CONVERSION FOR

BIG CHICKEN

PROJECT SITE

176 NW CENTURION COURT, LAKE CITY, FLORIDA 32055

OWNER

(PANHANDLE RESTAURANT GROUP) PRG BRANDS
-
PANAMA CITY, FLORIDA 32401

ARCHITECT/ENGINEER

NATIONAL RESTAURANT DESIGNERS - NRD
7208 ACC BLVD. SECOND FLOOR RALEIGH, NORTH CAROLINA 27617
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SCOPE OF WORK

THIS PROJECT IS FOR A CHANGE OF OWNERSHIP AND RESTAURANT TYPE, AND REMODEL OF ORIGINAL BUILDING.

THE PROJECT WAS ORIGINAL PERMITTED UNDER THE NAME "RIB CRIB" DATED 08/12/2022.
IT HAD TWO REVISIONS DATED 03/23/2023 AND 06/14/2023.

THAT PROJECT WAS SUBSTANTIALLY BUILT BUT DISCONTINUED AND THE BUILDING SOLD TO A NEW OWNER AND RESTAURANT TYPE CHANGED TO "BIG CHICKEN". THIS SET OF DRAWINGS WAS STARTED FROM THE ORIGINAL "RIB CRIB" SET OF DRAWINGS. SHEET INCLUDED IN THIS SET ARE ONLY FOR CHANGES TO THE ORIGINAL SET. SHEETS DESIGNATED "NOT USED (REMOVED FROM THIS SET)" ARE SHEETS USED IN THE ORIGINAL PERMITTED SET AND CONSTRUCTED AND NOT CHANGING FOR THE NEW TENANT.

THERE WAS NEVER ANY CONSTRUCTION INSPECTIONS CONTRACTED UNDER ORIGINAL "RIB CRIB" CONTRACT. THERE WAS NEVER AN "AS-BUILT" INSPECTION CONTRACTED FOR THE NEW OWNER. BUILDING SHELL IS ASSUMED TO BE CONSTRUCTED PER ORIGINAL PERMITTED INCLUDING REVISION 1 AND REVISION 2. NEW CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IF ALL/ANY DISCREPANCIES FROM DRAWINGS DUE TO EXISTING FIELD CONDITIONS.

THESE DRAWINGS ARE FOR NEW SEATING, NEW EQUIPMENT, NEW INTERIOR FINISHES, NEW EXTERIOR PAINTING, RELOCATION OF A FEW INTERIOR NON-BEARING WALLS, NEW CEILING, NEW PLUMBING, ELECTRICAL, AND MECHANICAL TO ACCOMMODATE NEW EQUIPMENT AND CEILINGS.

EXISTING SHELL TO REMAIN UNLESS OTHERWISE NOTED. THIS SET OF DRAWINGS ASSUMES NO LIABILITY FOR ANY FIELD CHANGES TO ORIGINAL CONSTRUCTION AND NOT SHOWN ON ORIGINAL PERMITTED SET AND REVISION 1 AND REVISION 2.

SHEET	DESCRIPTION	REVISIONS 1	2	3	4	5
GENERAL						
CS	COVER SHEET	X	X	X		
G000	LIFE SAFETY / OCCUPANCY PLANS & CODE ANALYSIS			X		
G001	NOT USED (REMOVED FROM SET)					
G002	GENERAL PROJECT INFORMATION			X		
G003	REVISION LIST	X	X	X		
STRUCTURAL						
S001	NOT USED (REMOVED FROM SET)					
S002	NOT USED (REMOVED FROM SET)					
S101	NOT USED (REMOVED FROM SET)					
S102	NOT USED (REMOVED FROM SET)			X		
S201	NOT USED (REMOVED FROM SET)					
S501	NOT USED (REMOVED FROM SET)					
S521	NOT USED (REMOVED FROM SET)			X		
S522	NOT USED (REMOVED FROM SET)			X		
ARCHITECTURAL						
A100	NOT USED (REMOVED FROM SET)					
A101	NOT USED (REMOVED FROM SET)					
A102	NOT USED (REMOVED FROM SET)	X				
A104	NOT USED (REMOVED FROM SET)					
A105	NOT USED (REMOVED FROM SET)					
A106	NOT USED (REMOVED FROM SET)					
A107	NOT USED (REMOVED FROM SET)					
A111	FLOOR PLAN			X		
A121	REFLECTED CEILING PLAN			X		
A141	ROOF PLAN			X		
A201	EXTERIOR ELEVATIONS			X		
A202	NOT USED (REMOVED FROM SET)					
A301	NOT USED (REMOVED FROM SET)					
A302	NOT USED (REMOVED FROM SET)					
A303	NOT USED (REMOVED FROM SET)					
A304	NOT USED (REMOVED FROM SET)					
A401	ENLARGED RESTROOM PLAN AND ELEVATIONS			X		
A402	INTERIOR ELEVATIONS			X		
A403	INTERIOR ELEVATIONS			X		
A500	INTERIOR DETAILS			X		
A501	EXTERIOR DETAILS			X		
A502	EXTERIOR DETAILS			X		
A503	NOT USED (REMOVED FROM SET)					
A521	NOT USED (REMOVED FROM SET)					
A522	DOOR DETAILS – INTERIOR			X		
A524	NOT USED (REMOVED FROM SET)					
A530	NOT USED (REMOVED FROM SET)					
A535	NOT USED (REMOVED FROM SET)					
A541	NOT USED (REMOVED FROM SET)					
A542	NOT USED (REMOVED FROM SET)					
A570	ADA PLAN VIEWS			X		
A571	ADA ELEVATIONS			X		
A601	FINISH PLAN AND ROOM FINISH SCHEDULE			X		
A602	DOOR SCHEDULE FRAMES AND TYPES			X		
A821	NOT USED (REMOVED FROM SET)					
AS101	ARCHITECTURAL SITE PLAN			X		
AS501	SITE DETAILS			X		
ID001	INTERIOR DESIGN FINISH SCHEDULE			X		

SHEET	DESCRIPTION	REVISIONS 1	2	3	4	5
FOOD SERVICE EQUIPMENT						
QF100	EQUIPMENT PLAN SHOP DRAWING	X		X		
QF101	EQUIPMENT SCHEDULE SHOP DRAWING	X		X		
QF110	EQUIPMENT UTILITY SCHEDULE SHOP DRAWING	X		X		
QF111	EQUIPMENT UTILITY SCHEDULE SHOP DRAWING			X		
QF120	GENERAL NOTES SHOP DRAWING			X		
QF200	FLOOR PENETRATION SHOP DRAWING			X		
QF300	PLUMBING SPOTTING SHOP DRAWING			X		
QF301	PLUMBING SCHEDULE SHOP DRAWING			X		
QF310	PLUMBING ELEVATIONS SHOP DRAWING			X		
QF311	PLUMBING ELEVATIONS SHOP DRAWING			X		
QF400	ELECTRICAL SPOTTING SHOP DRAWING			X		
QF401	ELECTRICAL SCHEDULE SHOP DRAWING			X		
QF410	ELECTRICAL ELEVATIONS SHOP DRAWING			X		
QF411	ELECTRICAL ELEVATIONS SHOP DRAWING			X		
QF500	ELEVATIONS SHOP DRAWING			X		
QF501	ELEVATIONS SHOP DRAWING			X		
QF600	SPECIAL CONDITIONS SHOP DRAWING			X		
QF800	DETAIL SHEET SHOP DRAWING			X		
PLUMBING						
PD101	PLUMBING DEMOLITION PLANS			X		
P001	PLUMBING NOTES AND SCHEDULES			X		
P101	SANITARY PLAN			X		
P102	WATER AND GAS PLAN			X		
P103	PLUMBING RISERS			X		
P201	PLUMBING ROOF PLAN			X		
P501	PLUMBING DETAILS			X		
MECHANICAL						
M001	NOT USED (REMOVED FROM SET)					
MD101	MECHANICAL DEMO PLAN			X		
M101	MECHANICAL NEW PLAN			X		
M201	MECHANICAL ROOF PLAN			X		
M501	NOT USED (REMOVED FROM SET)					
M601	MECHANICAL SCHEDULES			X		
M701	HOOD DRAWINGS (FOR REFERENCE ONLY)			X		
M702	HOOD DRAWINGS (FOR REFERENCE ONLY)			X		
M703	HOOD DRAWINGS (FOR REFERENCE ONLY)			X		
M704	NOT USED (REMOVED FROM SET)					
M705	NOT USED (REMOVED FROM SET)					
M706	NOT USED (REMOVED FROM SET)					
M707	NOT USED (REMOVED FROM SET)					
M708	NOT USED (REMOVED FROM SET)					
ELECTRICAL						
E001	ELECTRICAL NOTES (REMOVED FROM SET)					
E101	LIGHTING PLAN			X		
E102	ELECTRICAL ROUGH-IN ELEVATIONS – PIT BOSS AREA (REMOVED FROM SET)	X				
E201	POWER PLAN			X		
E301	ROOF POWER PLAN			X		
E501	ELECTRICAL DETAILS AND SCHEDULES			X		
E601	PANELS SCHEDULE AND LINE DIAGRAM			X		
ES111	ELECTRICAL SITE PLAN (REMOVED FROM SET)					
ES112	SITE PHOTOMETRIC (REMOVED FROM SET)					
SPECIFICATIONS						
SP101	SPECIFICATIONS			X		
SP102	SPECIFICATIONS			X		
SP103	SPECIFICATIONS			X		
SP104	SPECIFICATIONS			X		
SP105	SPECIFICATIONS			X		
SP106	SPECIFICATIONS			X		
SP107	SPECIFICATIONS			X		

LMHT Project No. 23104.00

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STATE OF FLORIDA
GLEN LEHMAN
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REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: TITLE SHEET

Revisions

CONCEPT APPROVAL
10.06.2023

1 CLARIFICATION 03.23.2023

2 STRUCT. COORD. 06.14.2023

3 TENANT CHANGE. 11.03.2023

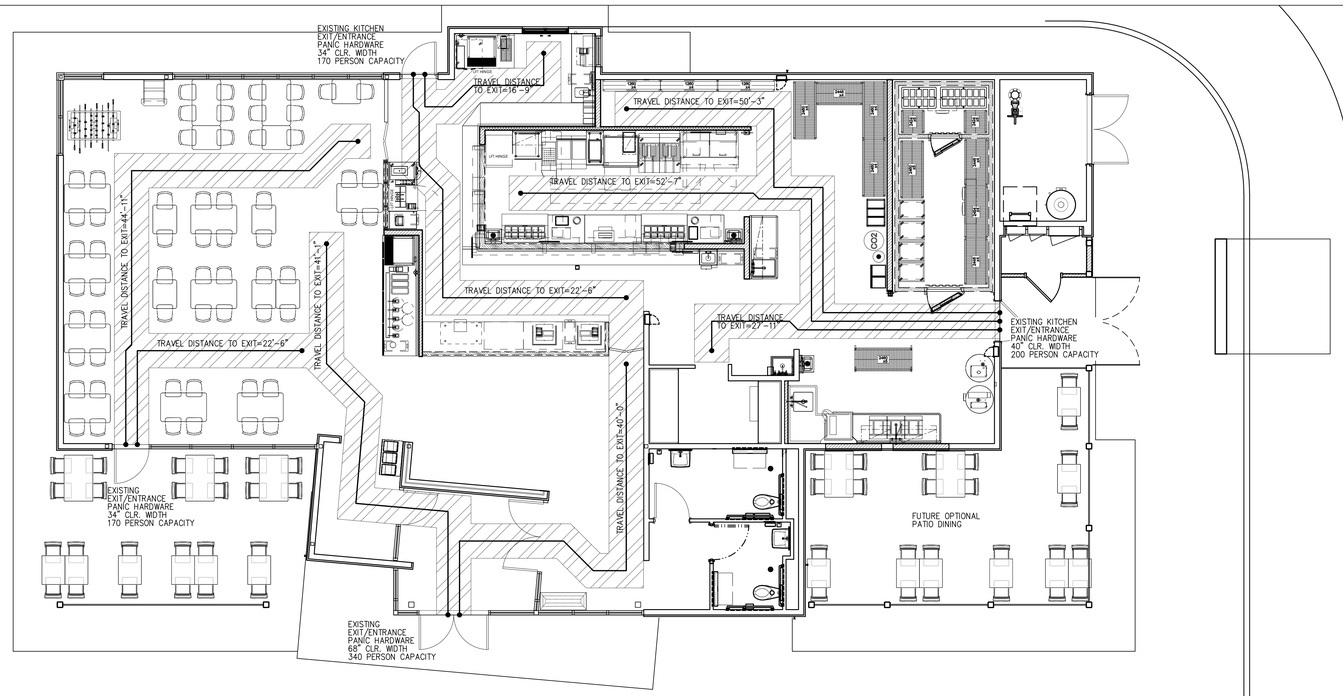
PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

Sheet No.
CS

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_15564\CS-3.dwg
Plotted by: chudson
Plotted Date: Nov 13, 2023 - 4:05pm

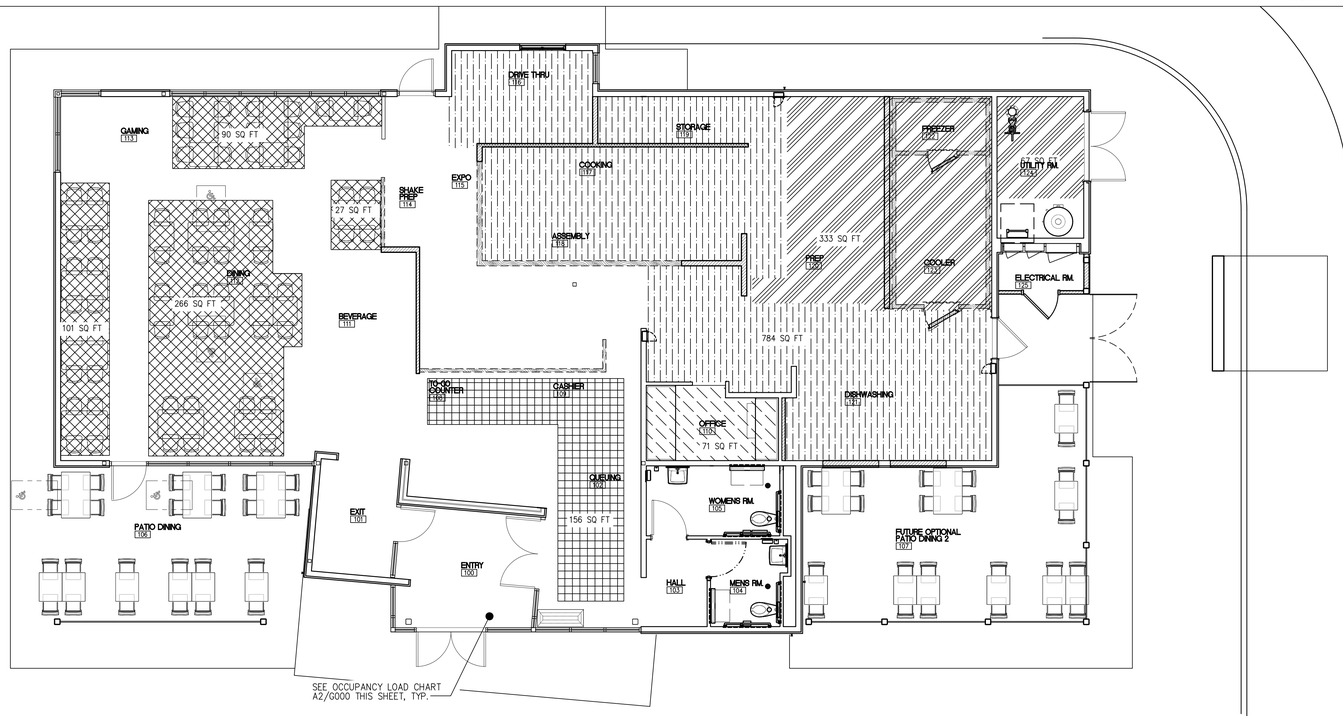


C1

3/16" = 1'-0"

LIFE SAFETY PLAN

NORTH



C2

3/16" = 1'-0"

OCCUPANCY PLAN

NORTH

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5830\G000v3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:05pm

PROJECT SUMMARY

- EXISTING FREE STANDING SINGLE STORY 2,501 SQUARE FOOT WOOD FRAME BUILDING WITH FULL SITE DEVELOPMENT AND UTILITIES.
- NEW SEATING, NEW EQUIPMENT AND NEW FINISHES
- ALL EXTERIOR SIGNAGE TO BE SUBMITTED UNDER A SEPARATE PERMIT BY THE SIGNAGE CONTRACTOR.
- EXHAUST HOODS, REFRIGERATION, GAS, AND HOOD SUPPRESSION SYSTEMS TO BE PERMITTED UNDER SEPARATED PERMIT BY A LICENSED CONTRACTOR

APPLICABLE CODES

EXISTING:	2020 FLORIDA EXISTING BUILDING CODE
BUILDING:	2020 FLORIDA BUILDING CODE (7th Edition)
ACCESSIBILITY:	FLORIDA ACCESSIBILITY CODE
ENERGY:	2020 FLORIDA ENERGY CONSERVATION CODE
FIRE:	2020 FLORIDA FIRE CODE
ELECTRICAL:	2017 NATIONAL ELECTRICAL CODE
MECHANICAL:	2020 FLORIDA MECHANICAL CODE
PLUMBING:	2020 FLORIDA PLUMBING CODE

BUILDING DATA

OCCUPANCY: MIXED OCCUPANCY? ___YES _✓_NO
A2– RESTAURANT

OCCUPANT LOAD: 102 OCCUPANTS – REFER TO DET. C2/G000

CONSTRUCTION TYPE: V–B

SPRINKLED? ___YES _✓_NO

FIRE DISTRICT? ___YES _✓_NO

BUILDING HEIGHT: 18'–6" – (40'–0" ALLOWABLE HEIGHT)

NUMBER OF STORIES: 1

MEZZANINE: ___YES _✓_NO

GROSS BUILDING AREA:

GROSS SHELL BUILDING:	3,409 S.F.
EXTERIOR COVERED AREAS (EXCLUDED):	(1,031 S.F.)
TOTAL BUILDING AREA:	3,409 S.F.

ALLOWABLE AREA: TABLE 506.2 – 6000 S.F.

AREA INCREASE? ___YES _✓_NO

LIFE SAFETY SYSTEM

EMERGENCY LIGHTING: _✓_YES ___NO

EXIT SIGNS: _✓_YES ___NO

FIRE ALARM SYSTEM: ___YES _✓_NO

SMOKE DETECTION SYSTEM: _✓_YES ___NO

PANIC HARDWARE: _✓_YES ___NO

EXIT REQUIREMENTS

REFER TO DRAWING C1/G000 FOR EXIT REQUIREMENTS AND LIFE SAFETY PLAN

TOILET FACILITIES

TOTAL = 126 PEOPLE (150 FUTURE)
MALE = 63 (75 FUTURE)
FEMALE = 63 (75 FUTURE)

PER PLUMBING TABLE 403.1

REQUIRED:	WC	URINALS	LAV
MEN'S	1	–	1
WOMEN'S	1	–	1
PROVIDED:	**WC**	**URINALS**	**LAV**
MEN'S	1	–	1
WOMEN'S	1	–	1

FIRE RESISTANCE RATINGS

30 FEET CLEAR ACCESS AROUND BUILDING

ASSEMBLY	REQUIRED	PROVIDED
PARTY / FIREWALL	N/A	N/A
EXTERIOR BEARING WALL		
FRONT	0 HR	0 HR
RIGHT SIDE	0 HR	0 HR
REAR	0 HR	0 HR
LEFT SIDE	0 HR	0 HR
EXTERIOR NON–BEARING WALLS		
FRONT	N/A	N/A
RIGHT SIDE	N/A	N/A
REAR	N/A	N/A
LEFT SIDE	N/A	N/A
INTERIOR WALLS		
BEARING	N/A	N/A
NON–BEARING	0 HR	0 HR
TENANT SEPARATION	N/A	N/A
CEILING/FLOOR ASSEMBLY	N/A	N/A
BEAMS	0 HR	0 HR
COLUMNS	0 HR	0 HR
CEILING/ROOF ASSEMBLY	0 HR	0 HR
VERTICAL SHAFTS	N/A	–
CHASES	N/A	–
MIXED OCCUPANCY SEPARATION	N/A	–
TENANT SEPARATION	N/A	–

STRUCTURAL DESIGN LOADS

SEE STRUCTURAL DRAWINGS

SPECIAL INSPECTIONS

NO SPECIAL INSPECTIONS REQUIRED

PARKING SPACES

SEE CIVIL DRAWINGS BY OTHERS

A5

CODE ANALYSIS

OCCUPANCY LOAD

BY SQUARE FOOTAGE TABLE 1004.1.1

MARK	SPACE	S.F.	OCCUPANCY
UNHATCHED	CIRCULATION / EXIT / TOILETS (NSF OCCUPIABLE)	–	0
	QUEING– 1 PER 5 S.F.	156 S.F.	32
	MOVABLE SEATING AREA– 1 PER 15 S.F.	484 S.F.	33
	OFFICE – 1 PER 100 S.F.	71 S.F.	1
	KITCHEN / FOOD PREP / SERVING – 1 PER 200 S.F.	784 S.F.	4
	STORAGE AREA – 1 PER 300 S.F.	890 S.F.	2
	TOTAL:		72

BY SEAT COUNT

TABLE SIZE	QUANTITY	SEAT
2 TOP TABLE–24x30	8	16
4 TOP TABLE	8	32
4 TOP ADA TABLE	3	12
TABLE TOTAL	19	60
EMPLOYEES		10
QUEING		32
TOTAL:		102

WORST CASE TOTAL = 102

HANDICAP REQUIRED – INTERIOR SEATING: 60 x 5% = 3 (3) PROVIDED
EXTERIOR SEATING: 24 x 5% = 1.2 (2) PROVIDED

OUTSIDE SEATING:	9 (19)	24 (48 FUTURE)
TOTAL PLUMBING LOAD::		126 (150 FUTURE)

A2

N.T.S.

LIFE SAFETY LEGEND

ROOM NAME, NUMBER AND SQUARE FOOTAGE

ROOM OCCUPANT LOAD

EXIT TRAVEL PATH

DOOR EGRESS: EXIT CAPACITY - EXIT WIDTH REQUIRED - EXIT WIDTH PROVIDED

EXIT SIGN

F.E. RECESSED FIRE EXTINGUISHER CABINET

F.E. SEMI-RECESSED FIRE EXTINGUISHER CABINET

F.E. SURFACE MOUNTED FIRE EXTINGUISHER CABINET

F.E. FIRE EXTINGUISHER

0.5 HALF HOUR FIRE RESISTANCE RATED WALL ASSEMBLY

1 ONE HOUR FIRE RESISTANCE RATED WALL ASSEMBLY

2 TWO HOUR FIRE RESISTANCE RATED WALL ASSEMBLY

3 THREE HOUR FIRE RESISTANCE RATED WALL ASSEMBLY

(SEE PARTITION TYPES SHEET A602 FOR WALL ASSEMBLY)

A1

N.T.S.

LIFE SAFETY LEGEND

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: LIFE SAFETY / OCCUPANCY PLANS and CODE ANALYSIS

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

Sheet No.
G000

ROOM 101 — ROOM NAME AND NUMBER

101 — DOOR NUMBER

X — GLAZING / FRAME TYPE

X — EQUIPMENT NUMBER

1 — DEMOLITION NOTE

1 — REVISION TAG AND CLOUD

A1-A101 — INTERIOR ELEVATION

A1 / A101 — BUILDING ELEVATION

W8-88 — PARTITION TYPE

A1 / A101 SIM — ENLARGED PLAN / DETAIL

GRID — GRIDLINE

A1 / A101 — SECTION

A1 / A101 — A1 / A101 — BUILDING SECTION

EL 100'-00" NAME — SPOT ELEVATION

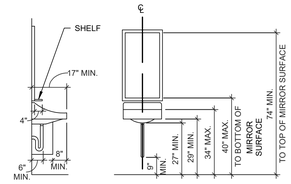
4 SYMBOLS LEGEND

1. PERFORM WORK IN COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY, FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
2. REFER TO SPECIFICATIONS FOR MATERIALS AND STANDARDS OF CONSTRUCTION.
3. COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION TO ENSURE PROPER SEQUENCING OF THE WORK.
4. VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING, FABRICATION AND CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
5. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES FOR CLARIFICATION.
6. DIMENSIONS UNLESS NOTED OTHERWISE: TO FACE OF CONCRETE OR MASONRY WORK; TO CENTERLINE OF COLUMNS OR OTHER GRID POINT; TO CENTERLINE OF PARTITIONS AND FRAMED WINDOW AND DOOR OPENINGS; TO FINISH FACES OF CLEAR WIDTHS
7. VERIFY SIZE, CHARACTERISTICS, AND REQUIRED CLEARANCES OF ALL EQUIPMENT TO BE FURNISHED WITH MANUFACTURERS OR SUPPLIERS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
8. PROVIDE BLOCKING AND GROUNDS AS SPECIFIED FOR BUILT-IN AND SURFACE MOUNTED ITEMS PRIOR TO APPLYING WALL SURFACING MATERIALS.
9. CONCEAL ALL PLUMBING, DUCTWORK, CONDUIT, WIRE, AND SIMILAR ITEMS UNLESS NOTED OTHERWISE.

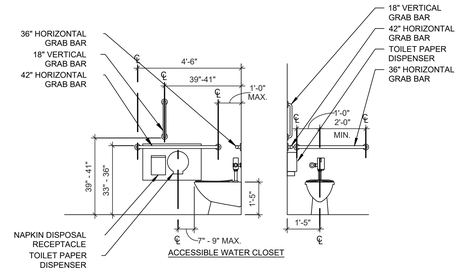
3 GENERAL PROJECT NOTES

A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALUM	ALUMINUM
ARCH	ARCHITECTURE
ADAAG	AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
APA	AMERICAN PLYWOOD ASSOCIATION
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS
AVE	AVENUE
BF	BARRIER FREE
BM	BENCH MARK
BOS	BOTTOM OF STRUCTURE
BTWN	BETWEEN
CCR	CREEDENCE CLEARWATER REVIVAL
CJ	CONTROL JOINT
CL	CLEAR
CO	CLEAN OUT
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CRS	COURSING
CS	COUNTER SUNK
DBL	DOUBLE
DS	DOWNSPOUT
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ENG	ENGINEER
EQ	EQUAL
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FIN/FF	FINISH FLOOR
FS	FLOOR SINK
FD	FLOOR DRAIN
FED	FEDERAL
FOW	FACE OF WALL
FRT	FIRE RESISTANT TREATED (RETARDANT?)
GA	GAUGE
GAL	GALLON
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
HD	HOOD
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
INT	INTERIOR
IPP	INCHES PER PERSON
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MIN	MINIMUM
MS	MOP SINK
MO	MASONRY OPENING
N	NORTH
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NUMBER
NSF	NET SQUARE FOOT
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER PROVIDED CONTRACTOR INSTALLED (OFCI?)
OFOI	OWNER PROVIDED OWNER INSTALLED (OFOI?)
OH	OPPOSITE HAND
OPP HAND	
OK	OKLAHOMA
OSB	ORIENTED STRAND BOARD
OTS	OPEN TO STRUCTURE
PAVT	PAVEMENT
PLAM	PLASTIC LAMINATE
PR	PAIR
R	RADIUS
R/A	RETURN AIR
RCP	REFLECTED CEILING PLAN
RE:	REFERENCE / REFER TO
RTU	ROOF TOP UNIT
S/A	SUPPLY AIR
SCHED	SCHEDULE
SF/SQFT	SQUARE FEET
SFPP	SQUARE FEET PER PERSON
SL	SLOPE
SPECS	SPECIFICATIONS
STD	STANDARD
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOF	TOP OF PAVEMENT
TOW	TOP OF WALL
TYF	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VIF/FV	VERIFY IN FIELD / FIELD VERIFY
WB	WALLBOARD
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WATER HEATER
WP	WATERPROOF
WR	WATER RESISTANT
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER

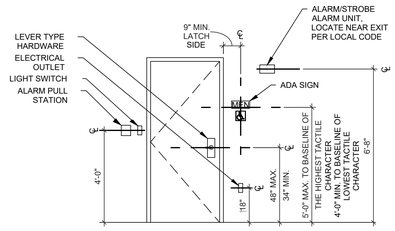
2 ABBREVIATIONS



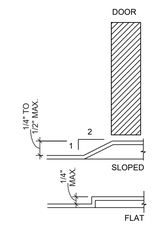
ACCESSIBLE LAVATORY



ACCESSIBLE WATER CLOSET



DOOR



THRESHOLD

1. ALL MANUALLY OPERATED FIXTURES TO BE LEVER TYPE CONTROL.
2. GRAB BAR AND SEAT SHALL WITHSTAND A LOAD OF NOT LESS THAN 250 POUNDS APPLIED AT ANY POINT.
3. PROVIDE 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL.
4. HOT WATER AND DRAIN PIPES UNDER LAVATORY SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
5. PROVIDE 30" WIDE FRONT-IN CLEARANCE FOR WHEELCHAIR ACCESS AT SINK AND URINAL.
6. ALL SIGNAGE SHALL COMPLY WITH ADA AND TAS.
7. ADJUST ALL DOOR CLOSERS TO A MAXIMUM OF 5 LBS OF FORCE.
8. ACCESSIBLE TOILET COMPARTMENTS TO HAVE A SELF CLOSING DOOR.

1 ACCESSIBILITY REQUIREMENTS

N.T.S.

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A DIVISION OF LMHT ASSOCIATES
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LMHT Project No. 23104.00

STATE OF FLORIDA — GLEN LEVINSON — AR97728 — REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN — CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: GENERAL PROJECT INFORMATION

Revisions

CONCEPT APPROVAL	10.06.2023
3 TENANT CHANGE.	11.03.2023

PROJECT DATE 11/10/2023

Drawn By CDK

Checked By NRD

Sheet No. G002

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\G002r3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:05pm

SHEETS AFFECTED	REVISION 1 CLARIFICATION — DATE: 03/23/2023
A102 E102, FS1.5 FS1.1, FS1.1S	1. PROVIDE DIMENSIONS TO LOCATE LOW WALLS AT PIT BOSS AREA. 2. PROVIDE INTERIOR ELEVATIONS AND J-BOX LOCATIONS IN PIT BOSS AREA. 3. INCLUDE REFERENCE EQUIPMENT DRAWINGS TO CONSTRUCTION DOCUMENTS.
	REVISION 2 STRUCTURAL COORDINATION — DATE: 06/14/2023
S102, S521, S522	1. UPDATED ROOF FRAMING PLANS AND DETAILS SHOWING CONVENTIONAL FRAMING TO REPLACE STRUCTURAL INSULATED PANELS.
	REVISION 3 TENANT CHANGE — DATE: 11/10/2023
	1. REVISE PLANS TO SHOW NEW TENANT FINISHES AND EQUIPMENT. 2. EXISTING SHELL TO REMAIN.

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: REVISION LIST

Revisions

CONCEPT APPROVAL 10.06.2023
1 CLARIFICATION 03.23.2023
2 STRUCT. COORD. 06.14.2023
3 TENANT CHANGE. 11.03.2023

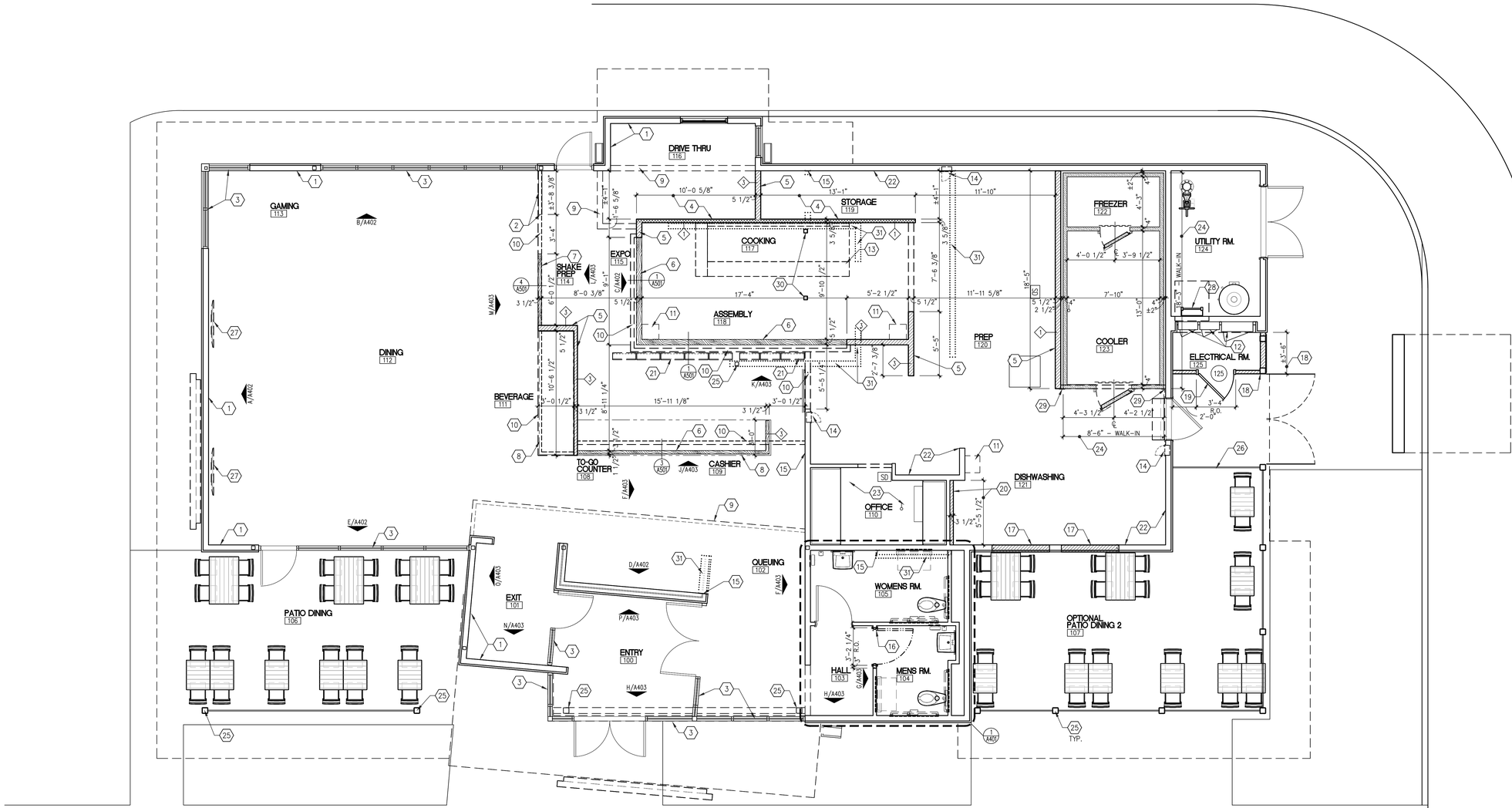
PROJECT DATE
11/10/2023

Drawn By

Checked By

Sheet No.
G003

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5800\G003-3.dwg
Plotted By: chudson
Plotted Date: Nov 10, 2023 - 4:05pm



1 A111 FLOOR PLAN

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

EXISTING SHELL TO REMAIN UNLESS OTHERWISE NOTED

CONSTRUCTION NOTES

1. EXISTING FULL HEIGHT WALL TO REMAIN – SEE INTERIOR ELEVATION SHEETS FOR NEW FINISHES
2. EXISTING PARTIAL HEIGHT WALL TO REMAIN – FINISH NEW END & SEE INTERIOR ELEVATION SHEETS FOR NEW FINISHES
3. EXISTING STOREFRONT GLAZING TO REMAIN
4. NEW NON-COMBUSTIBLE 3 5/8" MTL. STUD WALL w/1/2" CONC. BACKER BOARD BOTH SIDES – SEE ENLARGED DETAIL -/--
5. NEW FULL HEIGHT WALL – SEE INTERIOR ELEVATION SHEETS FOR FINISHES
6. NEW PARTIAL HEIGHT WALL – SEE INTERIOR ELEVATION SHEETS FOR FINISHES
7. NEW PARTIAL HEIGHT WALL w/DECORATIVE GLAZING ABOVE BY F.E.C. – SEE ENLARGED DETAIL 4/A501
8. NEW BEVERAGE/PICKUP/ORDER COUNTER – SEE Q111 EQUIPMENT PLAN AND SHOP DRAWINGS
9. EXISTING BAFFLE ABOVE TO REMAIN – SEE SHEET A121 & INTERIOR ELEVATION DWGS FOR FINISHES.
10. NEW BAFFLE ABOVE – SEE SHEET A121 & INTERIOR ELEVATION DRAWINGS FOR FINISHES.
11. NEW HAND SINK – SEE PLUMBING DRAWINGS
12. ELECTRICAL PANELS TO REMAIN – SEE ELECTRICAL DRAWINGS
13. NEW EXHAUST HOOD – SEE MECHANICAL DRAWINGS
14. FIRE EXTINGUISHER – VERIFY LOCATION W/LOCAL FIRE MARSHALL.
15. PATCH/REPAIR EXISTING WALL TO MATCH ADJACENT FINISHES.
16. RELOCATE DOOR & FRAME PER ENLARGED PLAN 1/A401 – MODIFY/PATCH/REPAIR WALL TO MATCH ADJACENT FINISHES.
17. INFILL EXISTING OPENING – PATCH/REPAIR WALL TO MATCH ADJACENT INTERIOR & EXTERIOR FINISHES.
18. ENCLOSE ELEC. PANELS – ALIGN WALL w/OUTSIDE FACE OF CORNER COLUMN – MATCH ADJACENT FINISHES.
19. INSTALL NEW 3'-0"x 7'-0" H.M. DOOR & FRAME – SEE SHEET A201 FOR FINISHES.
20. NEW 2x4 FURRED OUT WALL – MATCH ADJACENT FINISHES.
21. NEW MENU & FRAME ABOVE BY F.E.C.
22. EXISTING FULL HEIGHT WALL TO REMAIN.
23. NO WORK IN THIS AREA.
24. NEW WALK-IN COOLER/FREEZER – VERIFY SIZE W/F.E.C. PRIOR TO FABRICATION.
25. EXISTING STEEL COLUMN TO REMAIN – SEE INTERIOR ELEVATION SHEETS FOR NEW FINISHES.
26. NEW P.T. SCREEN WALL PROVIDED/INSTALLED BY G.C.
27. WALL MOUNTED TV MONITORS – SEE EQUIPMENT DRAWINGS.
28. EXISTING ROOF ACCESS LADDER TO REMAIN.
29. METAL CLOSURE ANGLE BY C/F MFR INSTALLED BY G.C.
30. EXISTING COLUMNS TO BE REMOVED – V.I.F. NON STRUCTURAL
31. REMOVE EXISTING FULL HEIGHT WALL – PATCH SURFACE TO MATCH EXISTING ADJACENT

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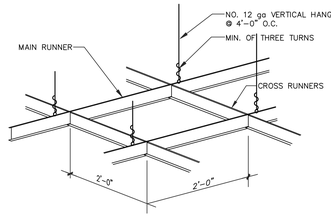
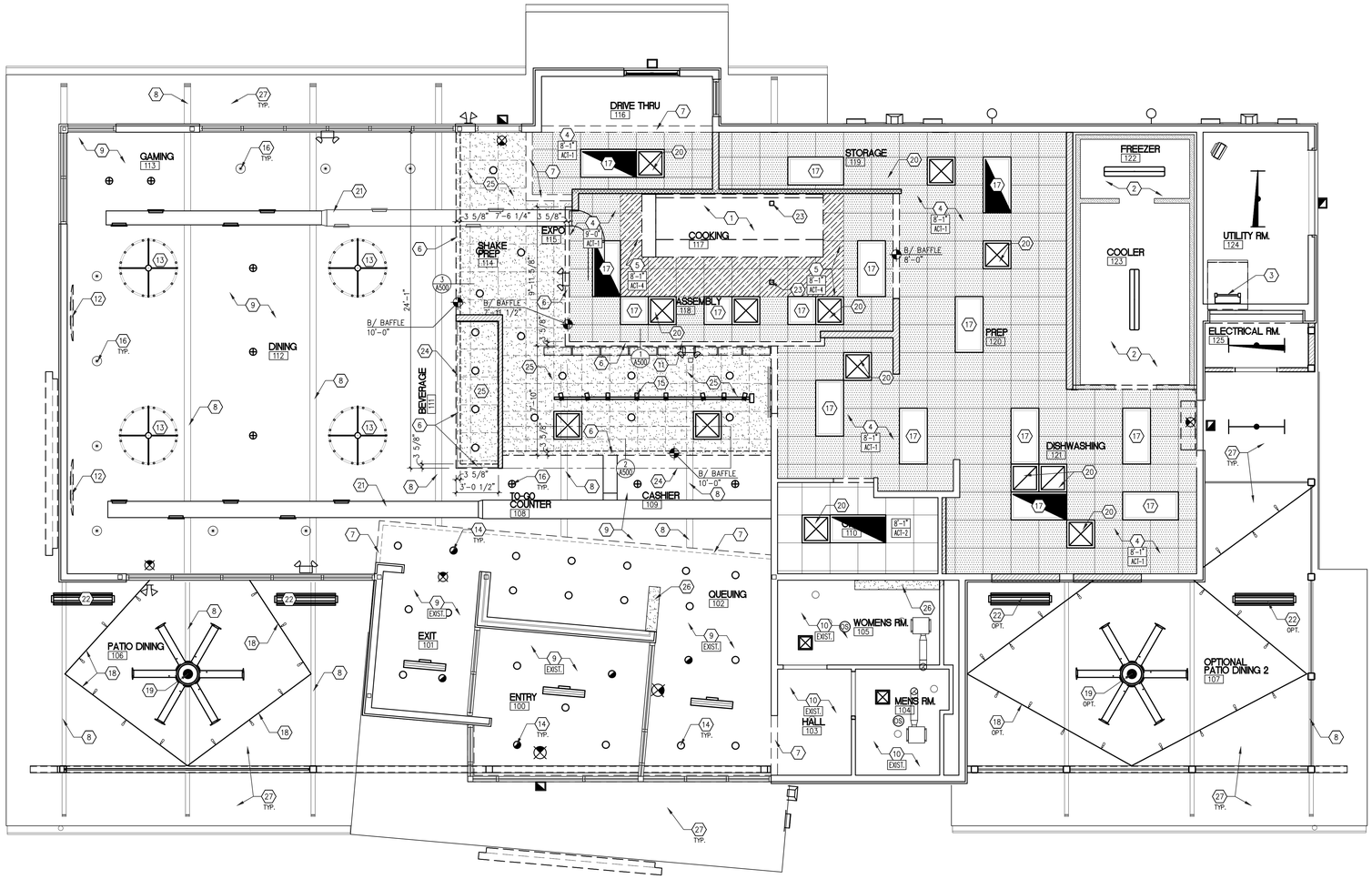


1. METAL SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C635-87 FOR INTERMEDIATE DUTY SYSTEMS. CEILING GRID SUSPENSION SYSTEM IN KITCHEN / FOOD PREP AREAS TO BE ALL ALUMINUM. NO CLAD.
2. INSTALLATION OF METAL CEILING SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANELS SHALL CONFORM TO THE REQUIREMENT OF ASTM C636-86.
3. MAIN RUNNERS @ 2'-0" O.C. CROSS RUNNERS @ 2'-0" O.C.
4. VERTICAL HANGERS TO BE MAX. 8" FROM WALLS
5. LIGHTING FIXTURES AND DIFFUSERS IN GRID CEILING MAY BE EITHER FASTENED TO CEILING GRID SYSTEM WITH CLIPS OR FIXTURES MAY BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURAL MEMBERS WITH NO. 12 WIRE AT EACH FIXTURE CORNER.

2 / A121 ACOUSTICAL LAY-IN CEILING DETAIL
SCALE: 1/4" = 1'-0"



1 / A121 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. SEE ELECTRICAL DRAWINGS FOR ALL LIGHT FIXTURE SPECIFICATIONS.
2. GENERAL CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING WITH ANY WORK.
3. SEE SHEET FINISH SCHEDULE FOR CEILING GRID AND TILE SPECIFICATIONS.
4. VERIFY LOCATIONS AND QUANTITY OF CEILING SPEAKERS WITH OWNER.

REFLECTED CEILING LEGEND

- EXIST. GYPSUM BOARD CEILING (SMOOTH FINISH).
- NEW GYPSUM BOARD CEILING (SMOOTH FINISH).
- 2' x 2' SUSPENDED CEILING GRID SYSTEM WITH 2' x 2' LAY-IN ACOUSTICAL CEILING TILES
- 2' x 2' SUSPENDED CEILING GRID SYSTEM WITH 2' x 2' VINYL COATED LAY-IN ACOUSTICAL CEILING TILES
- 2' x 2' SUSPENDED CEILING GRID SYSTEM WITH 2' x 2' METAL COATED LAY-IN ACOUSTICAL CEILING TILES

ELECTRICAL LEGEND

- 2' x 2' L.E.D. LIGHT- SEE ELECTRICAL DRAWINGS
- 2' x 2' L.E.D. EMERGENCY LIGHT FIXTURE- SEE ELECTRICAL DRAWINGS
- 2' x 4' L.E.D. LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- WALK IN COOLER LIGHT - SEE ELECTRICAL DRAWINGS
- UTILITY LIGHT - SEE ELECTRICAL DRAWINGS
- GX15 L.E.D. MINI PENDANT LIGHT 9'-6" A.F.F. - SEE ELECTRICAL DRAWINGS
- CAN LIGHT - SEE ELECTRICAL DRAWINGS
- GALILEO PENDANT LIGHT 9'-0" A.F.F. - SEE ELECTRICAL DRAWINGS
- CHANDELIER LIGHT 9'-0" A.F.F. - SEE ELECTRICAL DRAWINGS
- L.E.D. DECOSTRING SERIES/SUSPENDED STRING LIGHT SYSTEM
- L.E.D. TRACK LIGHTING - SEE ELECTRICAL DRAWINGS
- EMERGENCY LIGHT - SEE ELECTRICAL DRAWINGS
- EXTERIOR EMERGENCY LIGHT - SEE ELECTRICAL DRAWINGS
- EXIT EMERGENCY COMBO LIGHT - SEE ELECTRICAL DRAWINGS
- EXIT SIGN - SEE ELECTRICAL DRAWINGS

MECHANICAL LEGEND

- 8' CEILING FAN - SEE MECHANICAL DRAWINGS
- MECHANICAL SUPPLY DIFFUSER - SEE MECHANICAL DRAWINGS
- MECHANICAL SIDE WALL GRILLE - SEE MECHANICAL DRAWINGS
- MECHANICAL RETURN GRILLE - SEE MECHANICAL DRAWINGS
- EXHAUST FAN GRILLE - SEE MECHANICAL DRAWINGS
- RIGID SPIRAL DUCT - SEE MECHANICAL DRAWINGS
- LINEAR SLOT DIFFUSER - SEE MECHANICAL DRAWINGS
- OVERHEAD PATIO HEATER - SEE MECHANICAL DRAWINGS

CONSTRUCTION NOTES

1. NEW EXHAUST HOOD - SEE MECHANICAL DRAWINGS.
2. PANELIZED COOLER/FREEZER CEILING.
3. EXISTING ROOF ACCESS LADDER AND HATCH TO REMAIN.
4. 2x2 VINYL COATED LAY-IN CEILING TILES.
5. 2x2 METAL CEILING LAY-IN CEILING TILES - 18" MIN. FROM EXHAUST HOOD.
6. NEW BAFFLE - SEE CEILING DETAILS.
7. EXISTING BAFFLE TO REMAIN.
8. EXISTING SLOPED BEAMS TO REMAIN - PAINT BLACK.
9. EXISTING GYP. BD. CEILING TO REMAIN - PAINT BLACK.
10. EXISTING RESTROOM CEILING TO REMAIN - PAINT WHITE.
11. MENU BOARD SEE EQUIPMENT DRAWINGS.
12. WALL MOUNTED TV MONITORS - SEE EQUIPMENT DRAWINGS.
13. CHANDELIER LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
14. RECESSED CAN LIGHT FIXTURE, PATCH CEILING AS REQUIRED - SEE ELECTRICAL DRAWINGS.
15. TRACK LIGHTING - SEE ELECTRICAL DRAWINGS.
16. PENDANT LIGHTING - SEE ELECTRICAL DRAWINGS.
17. LAY-IN LIGHTING FIXTURE - SEE ELECTRICAL DRAWINGS
18. PATIO L.E.D. STRING LIGHTING - SEE ELECTRICAL DRAWINGS.
19. PATIO CEILING FAN - SEE MECHANICAL DRAWINGS.
20. HVAC DIFFUSER - SEE MECHANICAL DRAWINGS.
21. SPIRAL RIGID DUCT - SEE MECHANICAL DRAWINGS.
22. PATIO HEATER - SEE MECHANICAL DRAWINGS.
23. EXISTING COLUMNS TO BE REMOVED - V.I.F. NON STRUCTURAL
24. NEW COUNTER BELOW.
25. NEW GYP. BD. CEILING OVER USG DRYWALL SUSPENSION SYSTEM - PAINT WHITE.
26. PATCH/REPAIR GYP. BD. CEILING AT REMOVED WALL - SEE PLAN FOR PAINT COLOR.
27. EXISTING METAL SOFFIT TO REMAIN.

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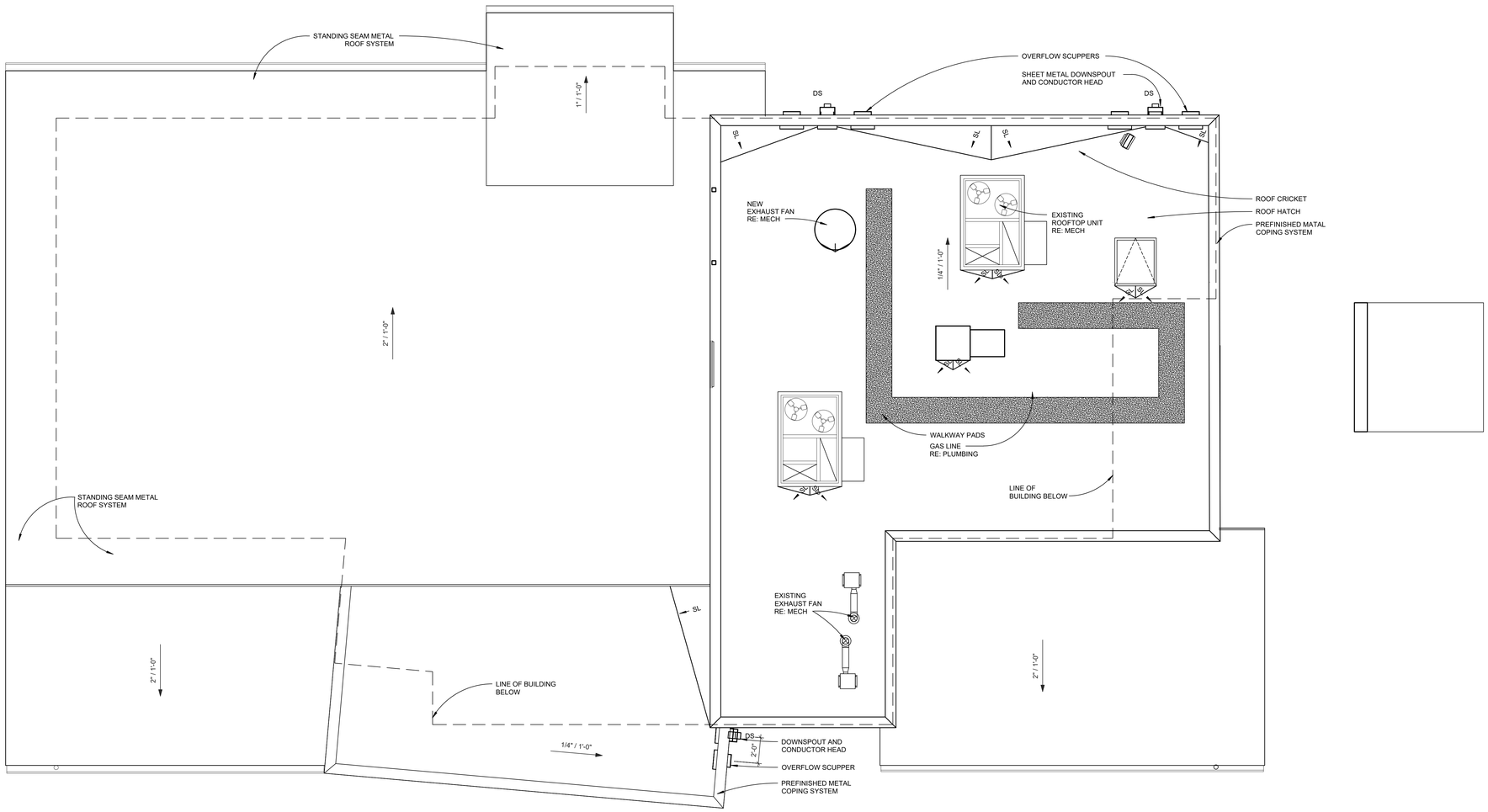

1 / A141 ROOF PLAN

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

ALL ITEMS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: ROOF PLAN

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By CDK

Checked By NRD

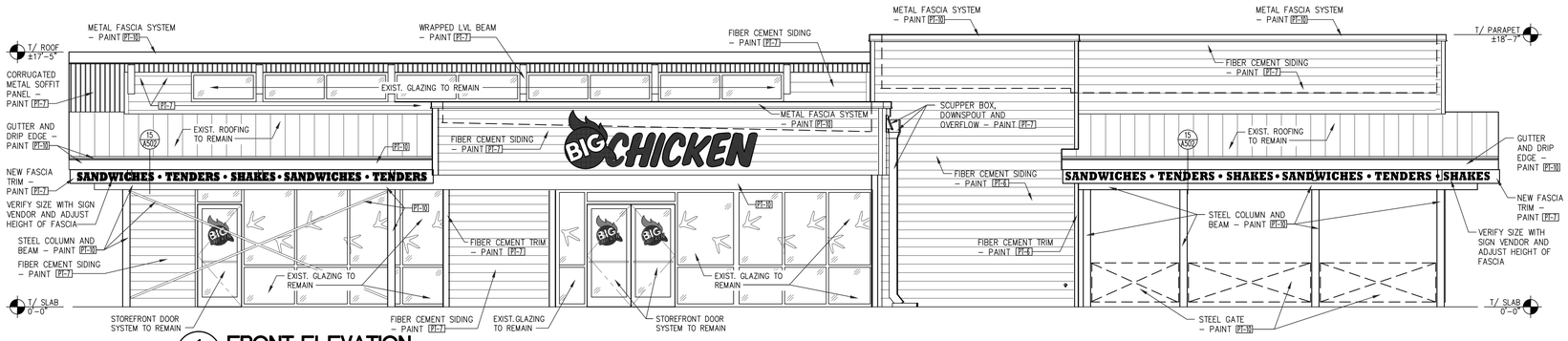
Sheet No. **A141**

3

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\A141-3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 3:47pm

EXTERIOR PAINT

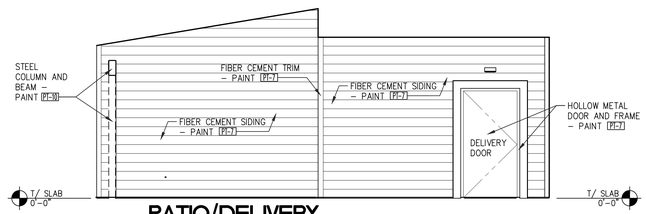
PT-6	BIG CHICKEN – LAP SIDING (BOX TOWER)	
	MFR:	SHERWIN WILLIAMS
	COLOR CODE:	SW 7661
	DESCRIPTION:	REFLECTION
	FINISH:	EGGSHELL
PT-7	BIG CHICKEN – LAP SIDING	
	MFR:	SHERWIN WILLIAMS
	COLOR CODE:	SW 7075
	DESCRIPTION:	WEB GRAY
	FINISH:	EGGSHELL
PT-10	BIG CHICKEN – LAP SIDING / METAL CAP	
	MFR:	SHERWIN WILLIAMS
	COLOR CODE:	SW6988
	DESCRIPTION:	BOHEMIAN BLACK PANTONE
	FINISH:	EGGSHELL



1 A201 FRONT ELEVATION

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

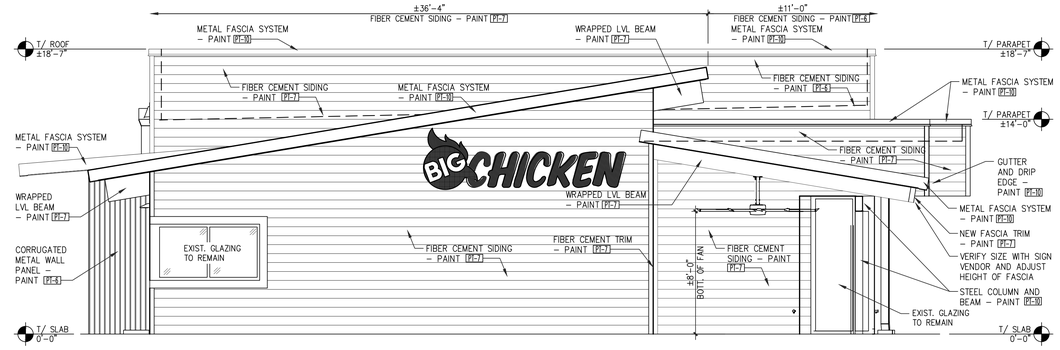
NOTE: 1. SIGNAGE TO BE UNDER SEPARATE PERMIT.
2. ALL MATERIALS WITH NEW PAINT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.



2 A201 PATIO/DELIVERY RIGHT ELEVATION

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

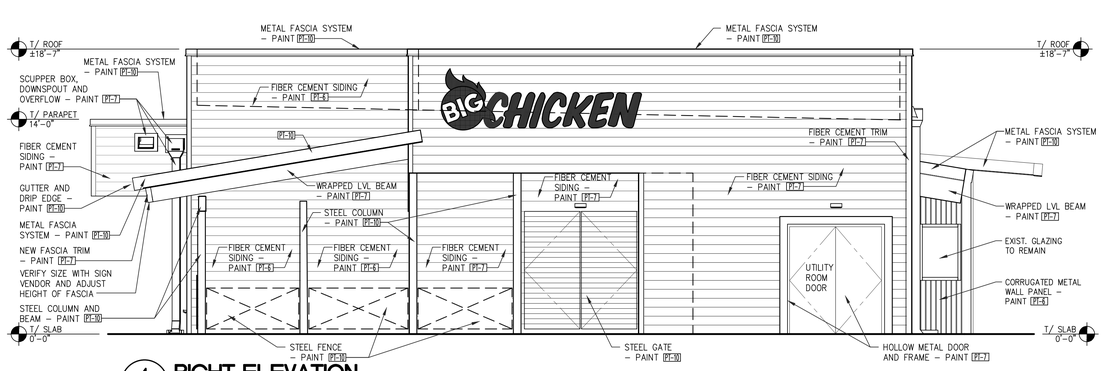
NOTE: 1. SIGNAGE TO BE UNDER SEPARATE PERMIT.
2. ALL MATERIALS WITH NEW PAINT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.



3 A201 LEFT ELEVATION

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

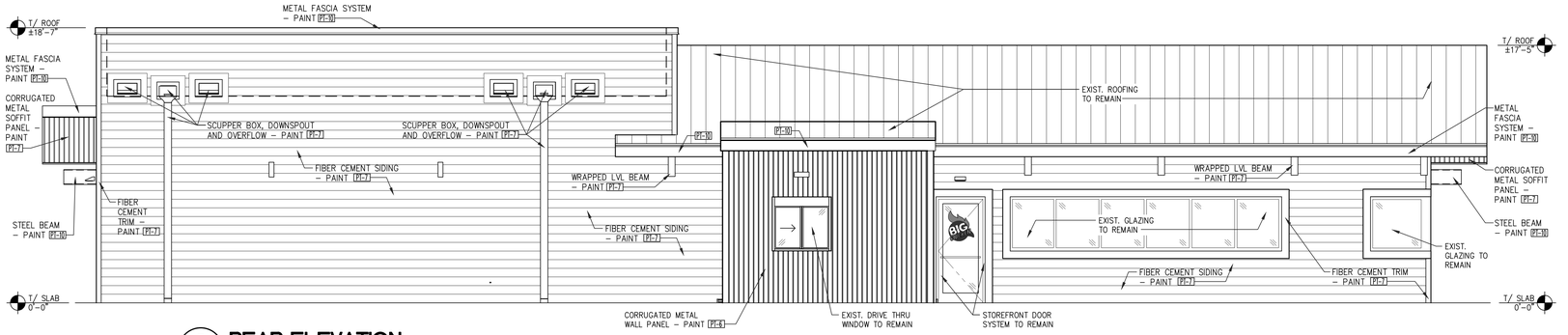
NOTE: 1. SIGNAGE TO BE UNDER SEPARATE PERMIT.
2. ALL MATERIALS WITH NEW PAINT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.



4 A201 RIGHT ELEVATION

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

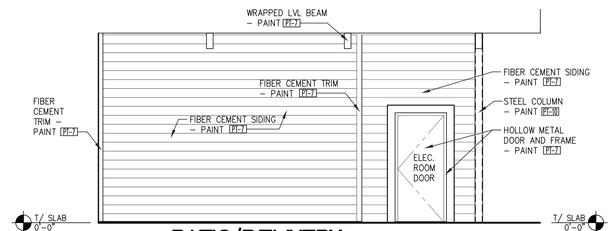
NOTE: 1. SIGNAGE TO BE UNDER SEPARATE PERMIT.
2. ALL MATERIALS WITH NEW PAINT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.



5 A201 REAR ELEVATION

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

NOTE: 1. SIGNAGE TO BE UNDER SEPARATE PERMIT.
2. ALL MATERIALS WITH NEW PAINT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.



6 A201 PATIO/DELIVERY FRONT ELEVATION

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

NOTE: 1. SIGNAGE TO BE UNDER SEPARATE PERMIT.
2. ALL MATERIALS WITH NEW PAINT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

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REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: EXTERIOR ELEVATIONS

BIG CHICKEN

3

Revisions

CONCEPT APPROVAL
10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

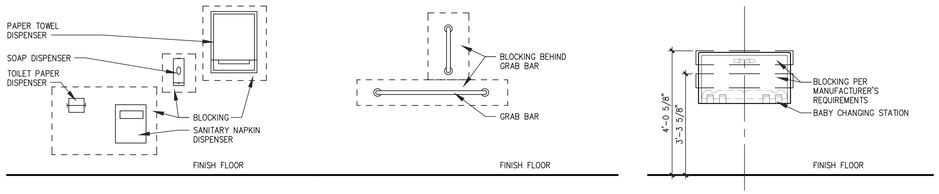
Sheet No.
A201

3

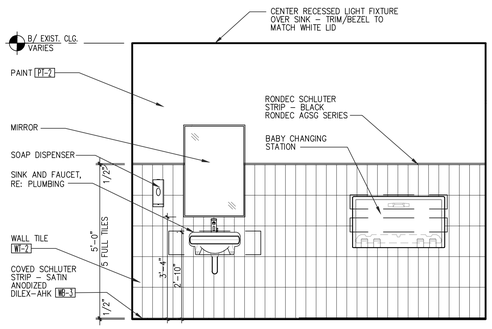
Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5800\A201r3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 – 3:47pm

RESTROOM EQUIPMENT SCHEDULE

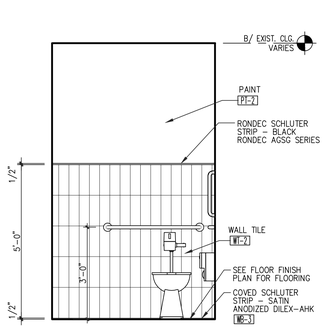
KEYNOTE	EQUIPMENT DESCRIPTION	PROVIDED BY	INSTALLED BY
01	GRAB BAR – HORIZONTAL (1 1/4" x 36)	CONTRACTOR	CONTRACTOR
02	GRAB BAR – HORIZONTAL (1 1/4" x 42")	CONTRACTOR	CONTRACTOR
03	GRAB BAR – VERTICAL (1 1/4" x 18")	CONTRACTOR	CONTRACTOR
04	WALL MOUNT LIQUID SOAP DISPENSER	CONTRACTOR	CONTRACTOR
05	TOILET TISSUE DISPENSER – SURFACE MOUNTED	CONTRACTOR	CONTRACTOR
06	WALL MOUNT CHANNEL FRAME MIRROR	CONTRACTOR	CONTRACTOR
07	PAPER TOWEL DISPENSER – SURFACE MOUNTED	CONTRACTOR	CONTRACTOR
09	SANITARY NAPKIN DISPOSAL – SURFACE MOUNTED	CONTRACTOR	CONTRACTOR
10	TOILET SEAT COVER DISPENSER – SURFACE MOUNTED	CONTRACTOR	CONTRACTOR
11	BABY CHANGING STATION – SURFACE MOUNTED	CONTRACTOR	CONTRACTOR
12	COAT HOOK – SURFACE MOUNTED @ 48" A.F.F.	CONTRACTOR	CONTRACTOR



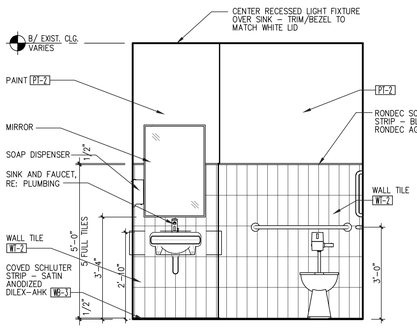
6 A401 BLOCKING DIAGRAM
SCALE: N.T.S.



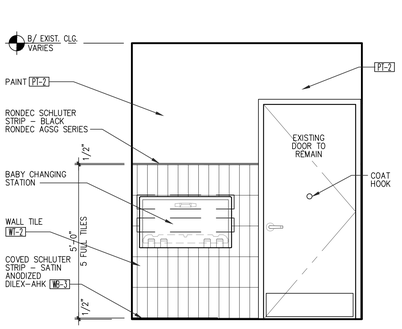
5 A401 WOMENS RESTROOM ELEVATION
SCALE: 1/2" = 1'-0"



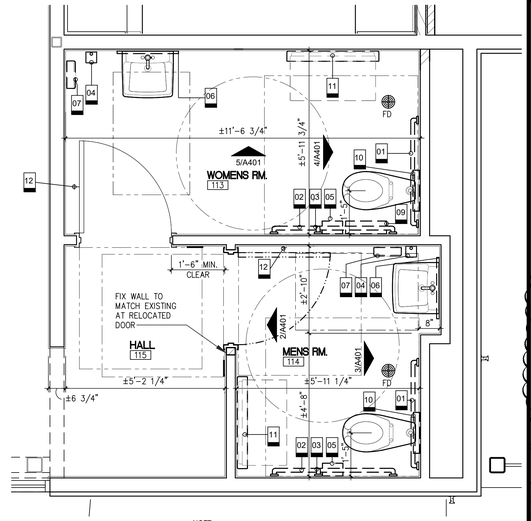
3 A401 WOMENS RESTROOM ELEVATION
SCALE: 1/2" = 1'-0"



3 A401 MENS RESTROOM ELEVATION
SCALE: 1/2" = 1'-0"



2 A401 MENS RESTROOM ELEVATION
SCALE: 1/2" = 1'-0"



NOTE:
DIMENSIONS ON THIS ENLARGED PLAN ARE TO FACE OF SHEATHING TO INDICATE CLEAR FLOOR AREAS IN RESTROOMS

1 A401 ENLARGED RESTROOM PLAN
SCALE: 1/2" = 1'-0"

NATIONAL RESTAURANT DESIGNERS
A DIVISION OF LMHT ASSOCIATES
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STATE OF FLORIDA
GLEN LEHMANN
AR97728
REGISTERED ARCHITECT

11/10/23

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LMHT Project No. 23104.00

BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: ENLARGED RESTROOM PLANS and ELEVATIONS

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

Sheet No.
A401

3

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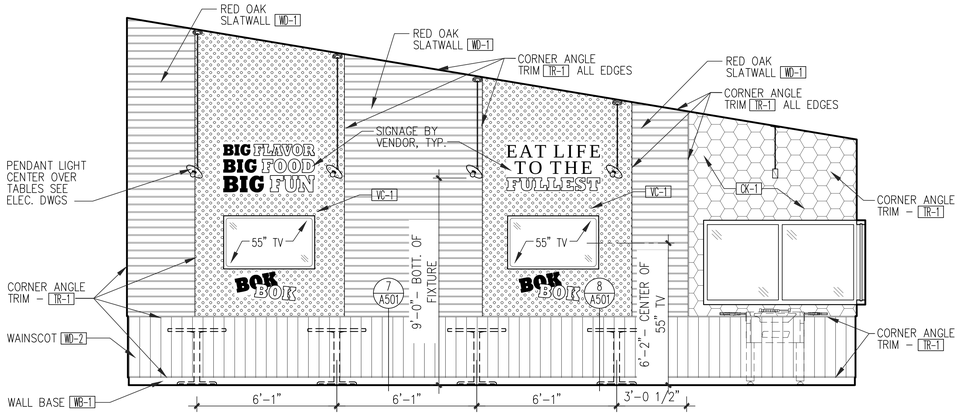
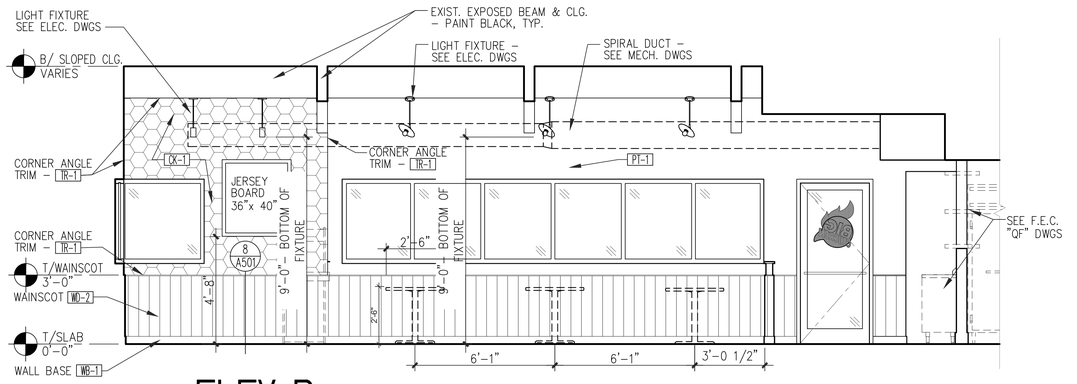
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 3:47pm



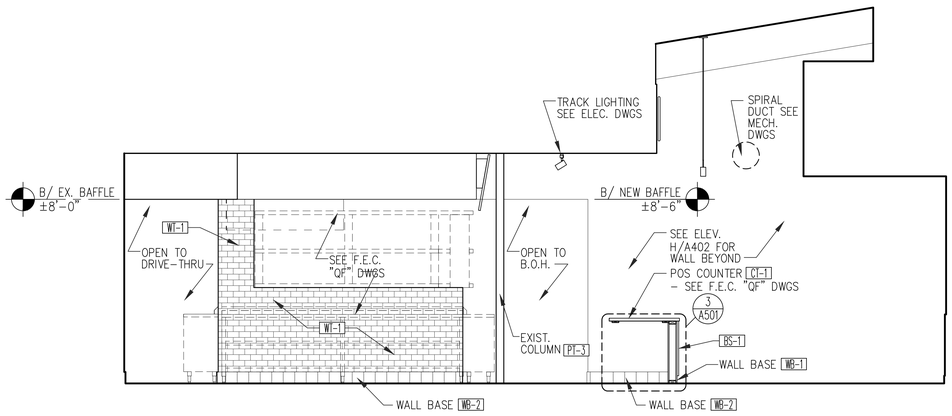
ELEV. A

SCALE: 3/8" = 1'-0"



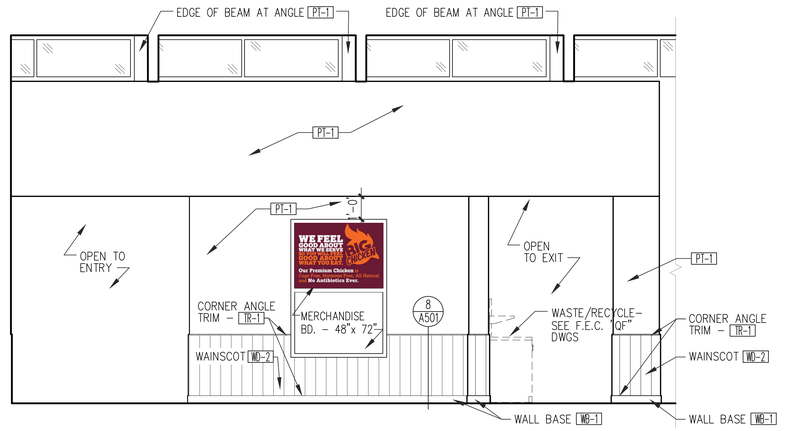
ELEV. B

SCALE: 3/8" = 1'-0"



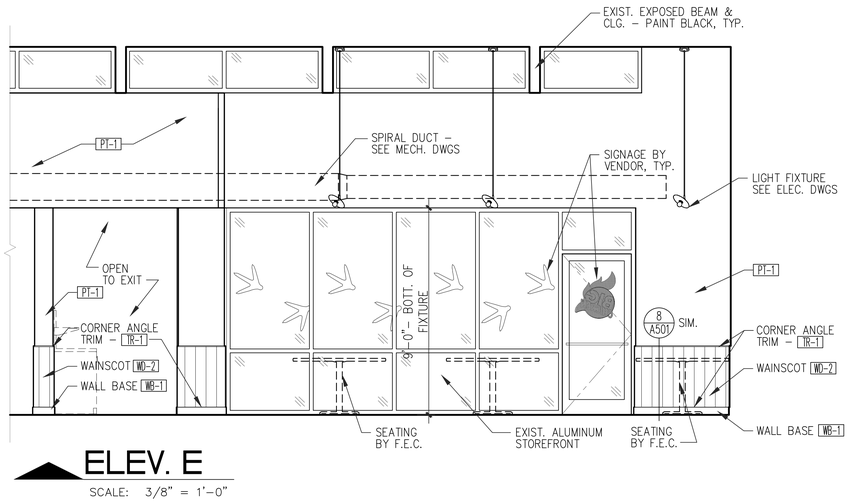
ELEV. C

SCALE: 3/8" = 1'-0"



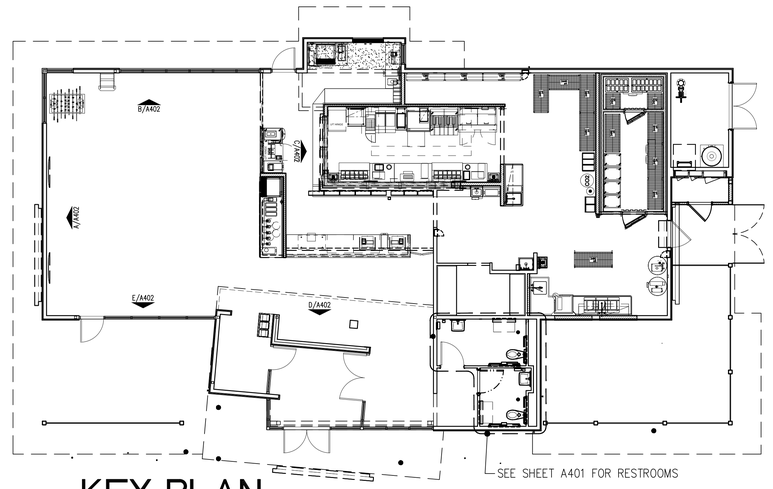
ELEV. D

SCALE: 3/8" = 1'-0"



ELEV. E

SCALE: 3/8" = 1'-0"



KEY PLAN

NOT TO SCALE

NOTE:
1. SEE ALSO SHEET A403 FOR INTERIOR ELEVATIONS.
2. SEE SHEET ID001 FOR FINISH SCHEDULE.
3. ALL RED OAK SLATWALL, WAINSCOT & CORK WILL BE TRIMMED IN TR-1 AND APPLIED TO LEVEL 5 PREPPED GYP. BD.– PAINT BLACK BEFORE APPLYING FINISHES.

LMHT Project No. 23104.00

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phone: 919.544.2087

STATE OF FLORIDA
GLEN LEHMANN
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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: INTERIOR ELEVATIONS

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By CDK

Checked By NRD

Sheet No. **A402**

3

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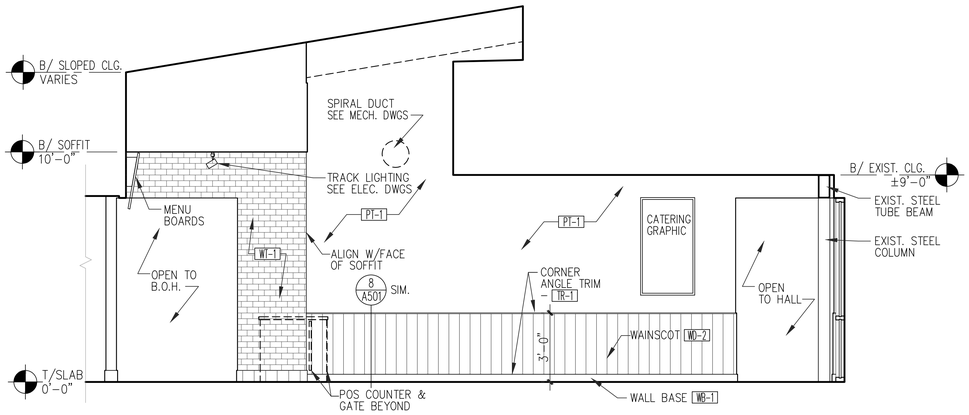
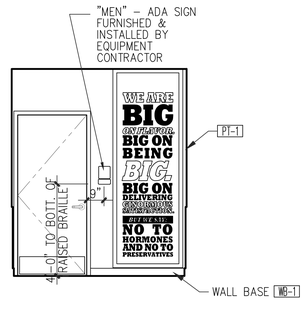


ELEV. F

SCALE: 3/8" = 1'-0"



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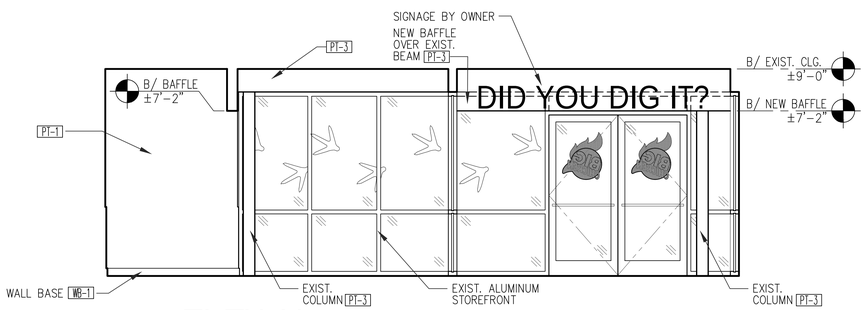

ELEV. H

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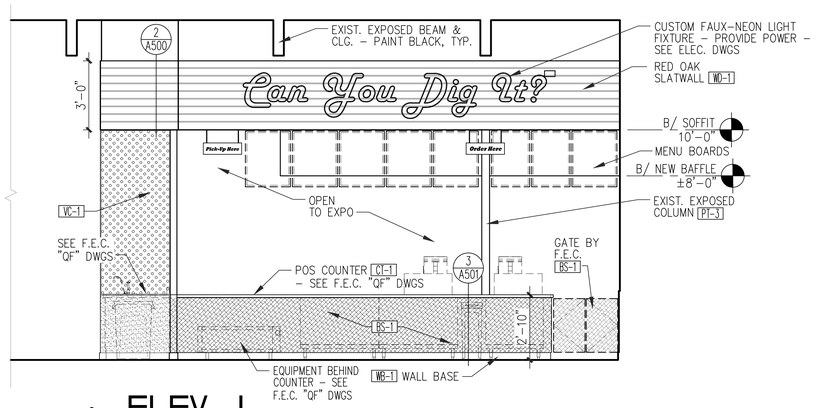

ELEV. J

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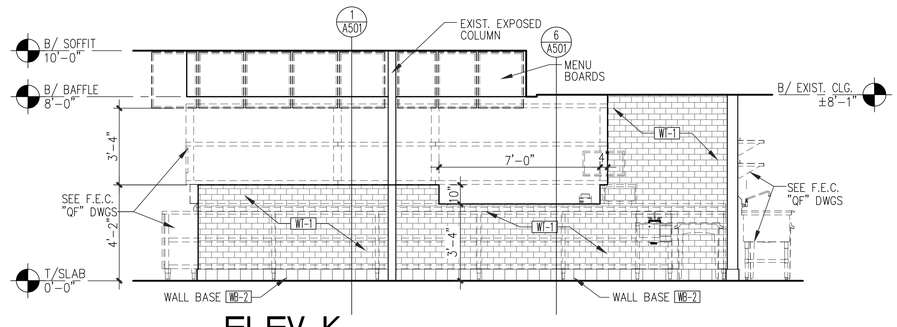

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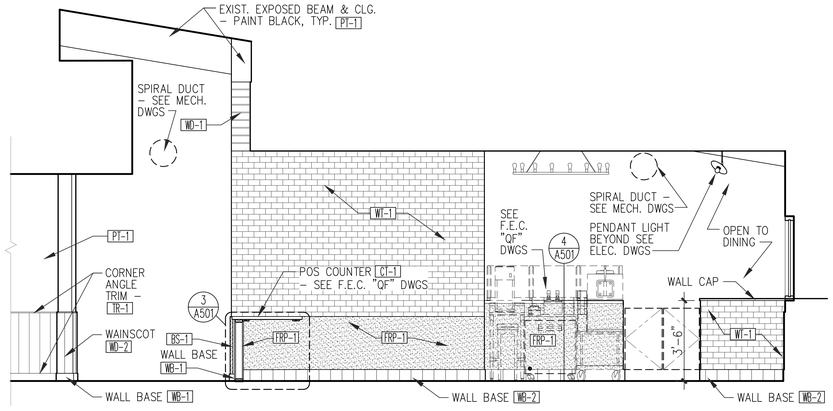
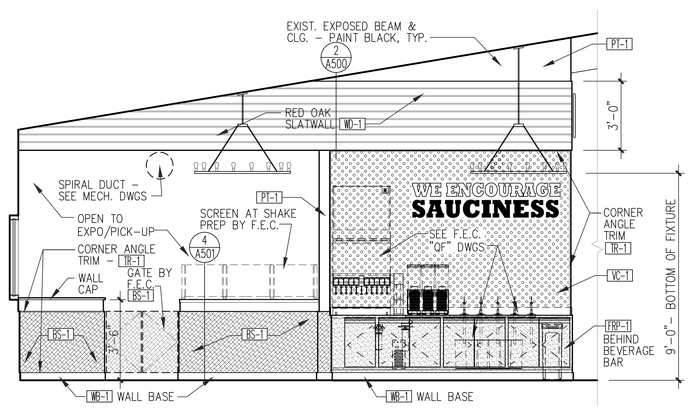
SCALE: 3/8" = 1'-0"



ELEV. L

SCALE: 3/8" = 1'-0"



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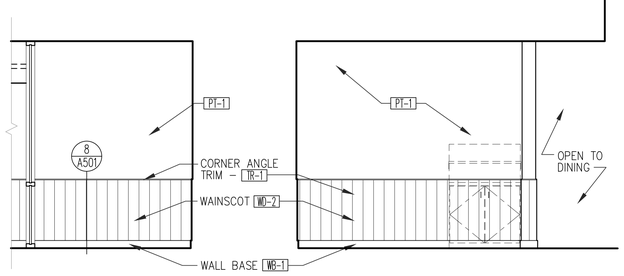
SCALE: 3/8" = 1'-0"

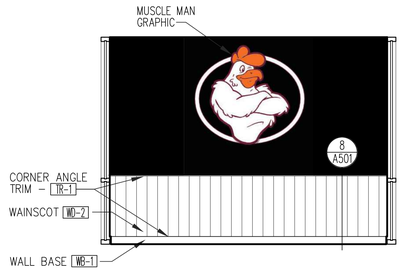


ELEV. N

SCALE: 3/8" = 1'-0"

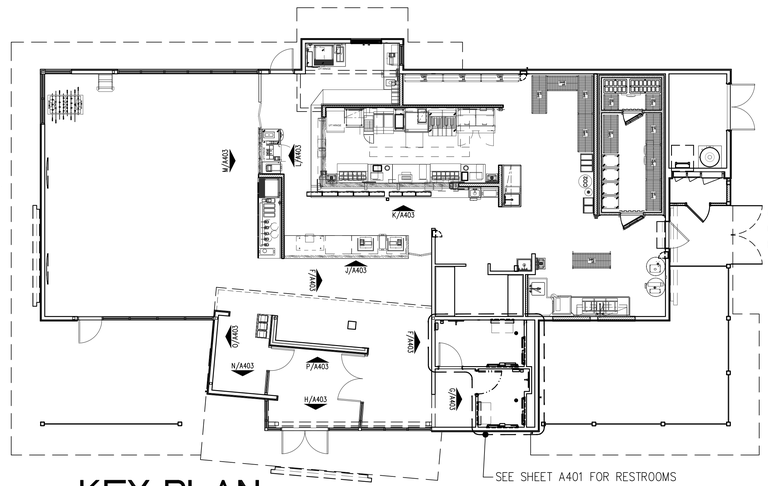
ELEV. O

SCALE: 3/8" = 1'-0"



ELEV. P

SCALE: 3/8" = 1'-0"



SEE SHEET A401 FOR RESTROOMS

KEY PLAN

NOT TO SCALE

NOTE:
1. SEE ALSO SHEET A403 FOR INTERIOR ELEVATIONS.
2. SEE SHEET I0001 FOR FINISH SCHEDULE.
3. ALL RED OAK SLATWALL, WAINSCOT & CORK WILL BE TRIMMED IN TR-1 AND APPLIED TO LEVEL 5 PREPPED GYP. BD.- PAINT BLACK BEFORE APPLYING FINISHES.

LMHT Project No. 23104.00

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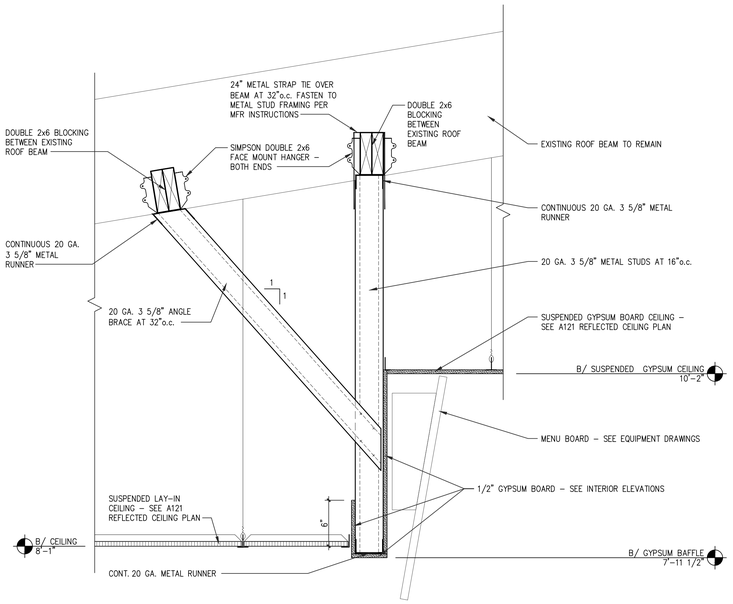
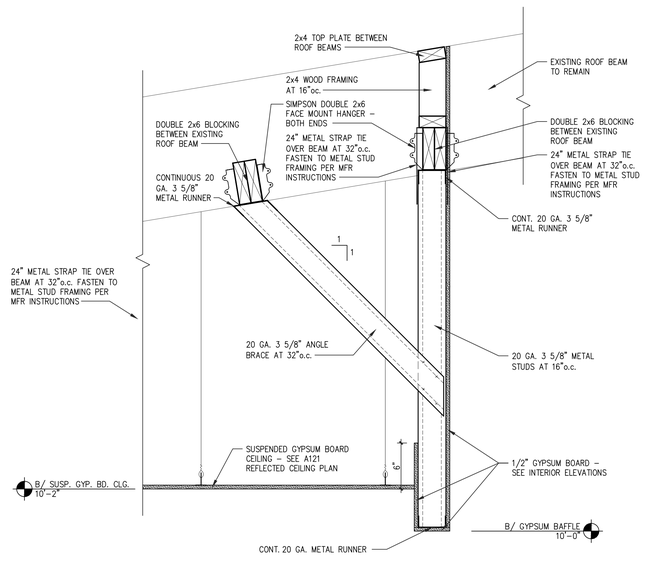


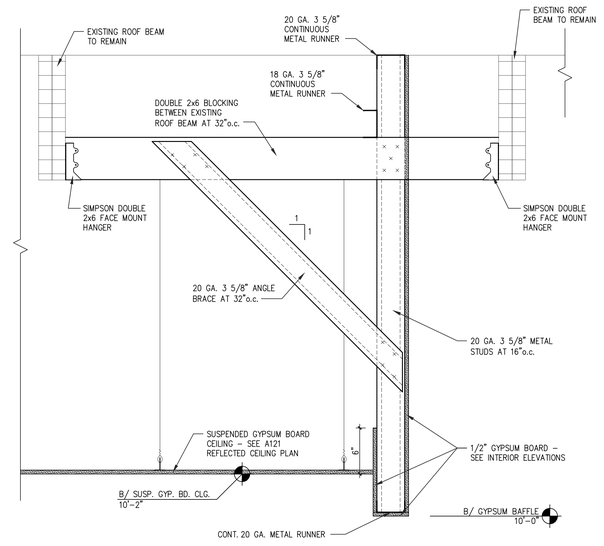
1/500 BAFFLE SECTION AT ASSEMEBLY LINE

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



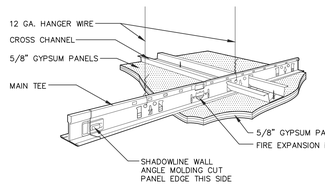
2/500 BAFFLE SECTION AT CASHIER STATION

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



3/500 BAFFLE SECTION AT SHAKE PREP

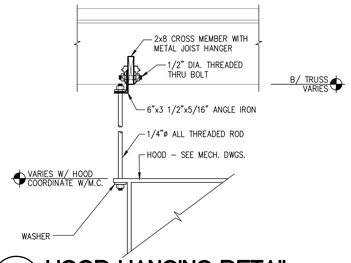
SCALE: 1 1/2" = 1'-0"



NOTE:
1. WHEN CONSTRUCTING GYPSUM BOARD CEILING ELEMENTS, THE FRAMING STUD/DRYWALL CONTRACTOR HAS THE OPTION OF UTILIZING ANY "USG" OR "INDUSTRY STANDARD" CEILING FRAMING METHODS. THE ARCHITECT IS INDICATING THE 'MINIMUM' DESIGN CRITERIA AS WELL AS PROVIDING 'CASE SPECIFIC CEILING DETAILS.
2. THE FRAMING STUD/DRYWALL CONTRACTOR SHALL SUBMIT CEILING CONSTRUCTION DETAILS OR SYSTEM LITERATURE PRIOR to CONSTRUCTION OF CEILING FOR REVIEW BY ARCHITECT.
3. ACCEPTABLE SYSTEMS MAY INCLUDE, BUT ARE NOT LIMITED To: THE DETAILS INDICATED ON THIS SHEET, METAL STUDS ONLY, COLD ROLLED CHANNELS WITH PERPENDICULAR HAT-CHANNELS, USG's SUSPENDED TEE CEILING FRAMING SYSTEM, OR ANY COMBINATION THERE OF.
4. ALL SYSTEM(S) SHALL BE PROPERLY SUPPORTED FROM STRUCTURE AS APPROPRIATE To THE SYSTEM. THE CEILING SYSTEM SHALL BE DESIGNED AND INSTALLED To MEET A MINIMUM DESIGN DEFLECTION CRITERIA OF L/240.

4/A500 USG GYP. BD. SUSPENDED CEILING

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



5/A500 HOOD HANGING DETAIL

SCALE: 3/4" = 1'-0"

LMHT Project No. 23104.00

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STATE OF FLORIDA
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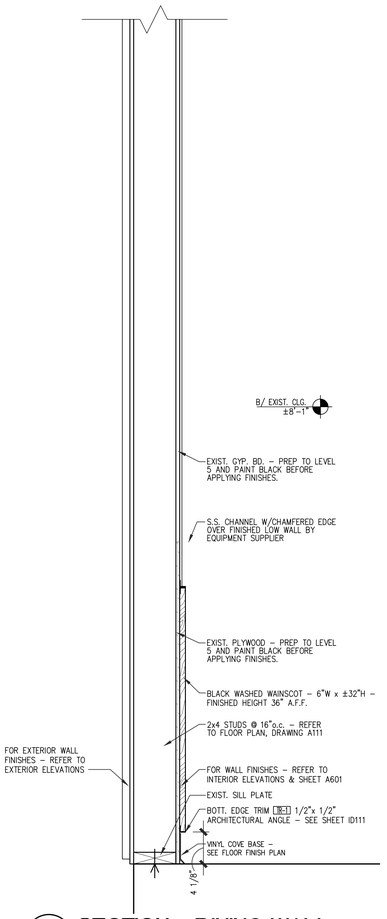
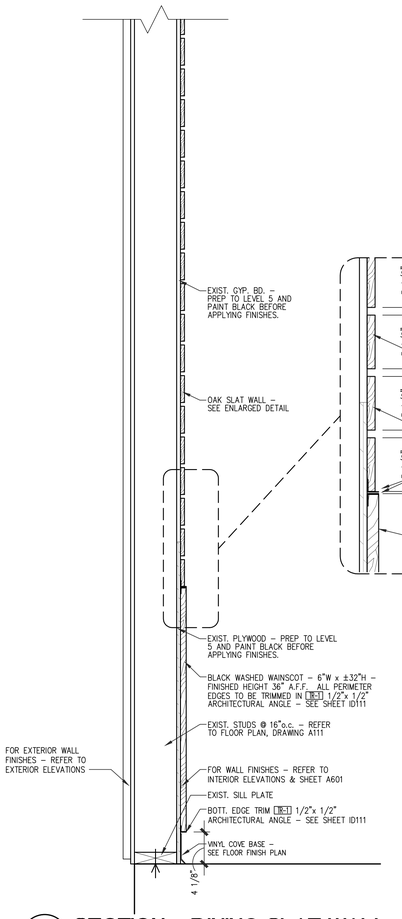


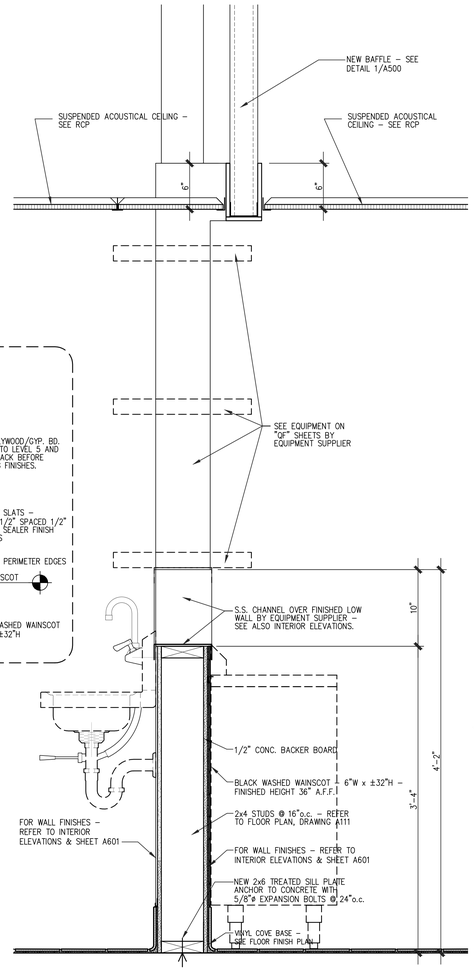
8 A501 SECTION • DINING WALL

SCALE: 1 1/2" = 1'–0"



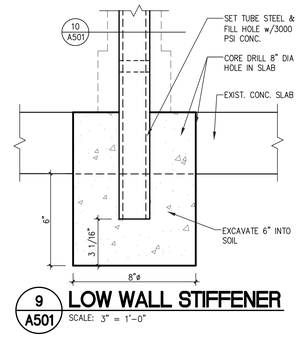
7 A501 SECTION • DINING SLAT WALL

SCALE: 1 1/2" = 1'–0"



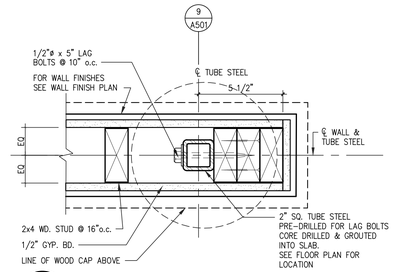
6 A501 SECTION • PASS-THRU

SCALE: 1 1/2" = 1'–0"



9 A501 LOW WALL STIFFENER

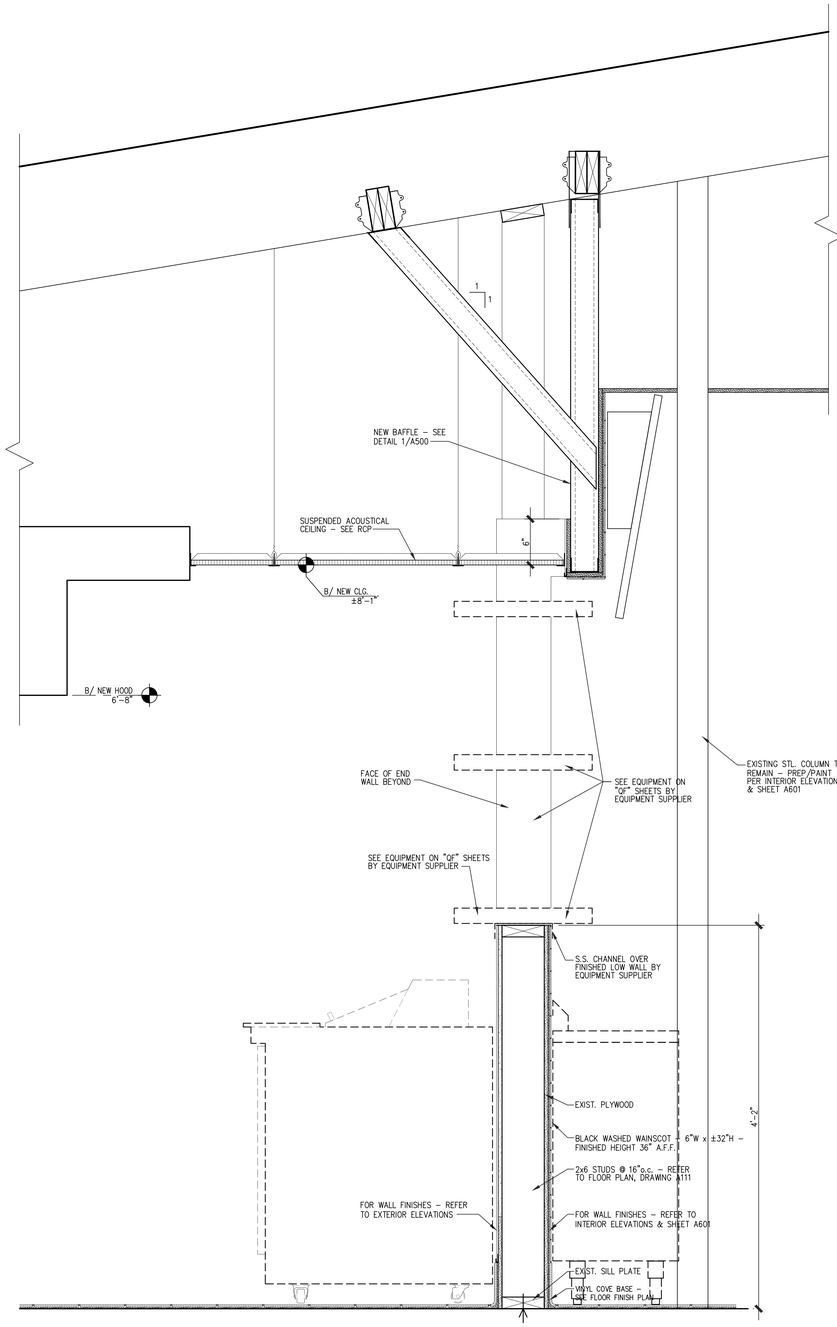
SCALE: 3" = 1'–0"



10 A501 LOW WALL STIFFENER

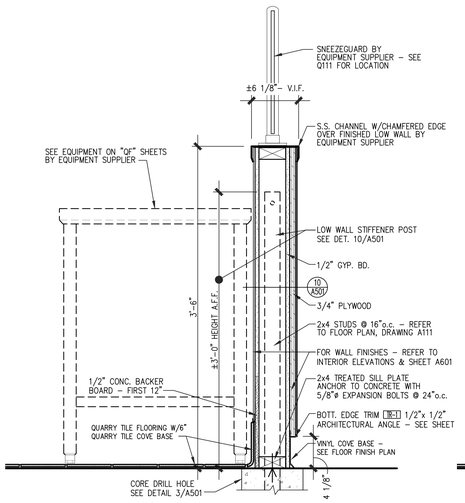
SCALE: 3" = 1'–0"

NOTE: END CONDITION SHOWN– INTERMEDIATE COND. SIM.– FIELD LOCATE



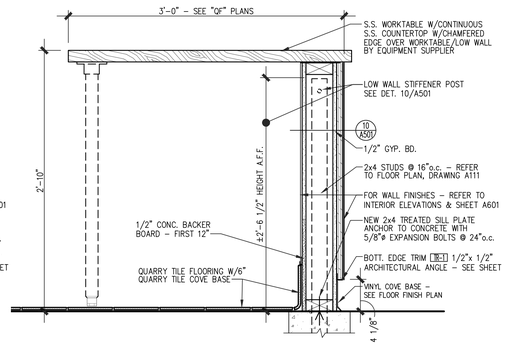
1 A501 POS/TO-GO COUNTER SECTION

SCALE: 1 1/2" = 1'–0"



4 A501 SHAKE PREP LOW WALL SECTION

SCALE: 1 1/2" = 1'–0"



3 A501 POS/TO-GO COUNTER SECTION

SCALE: 1 1/2" = 1'–0"

LMHT Project No. 23104.00

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tel: 919.544.9399
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STATE OF FLORIDA
GLEN LEHMAN
AR97728
REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: INTERIOR SECTIONS and DETAILS

BIG CHICKEN 3

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By CDK

Checked By NRD

Sheet No. **A501**

3

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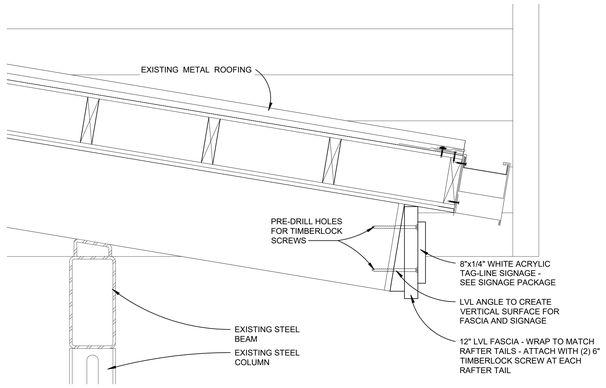
Plotted date: Nov 10, 2023 - 3:45pm



15 FASCIA TRIM WITH SIGNAGE
1" = 1'-0"

14 NOT USED
1" = 1'-0"

13 NOT USED
1" = 1'-0"

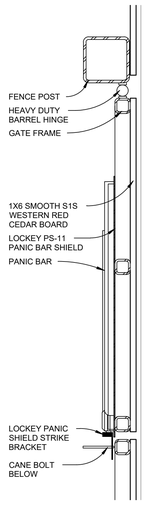
12 NOT USED
1" = 1'-0"

11 NOT USED
1 1/2" = 1'-0"

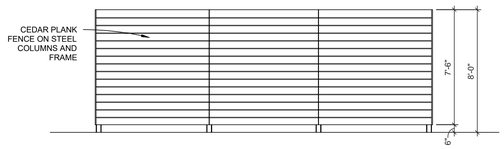
10 NOT USED
1 1/2" = 1'-0"

9 NOT USED
1 1/2" = 1'-0"

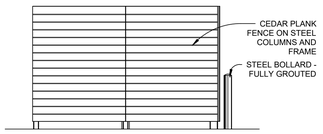
8 NOT USED
1 1/2" = 1'-0"



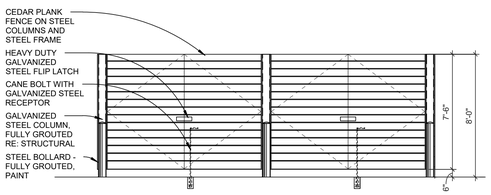
7 PANIC BAR AT GATE
1 1/2" = 1'-0"



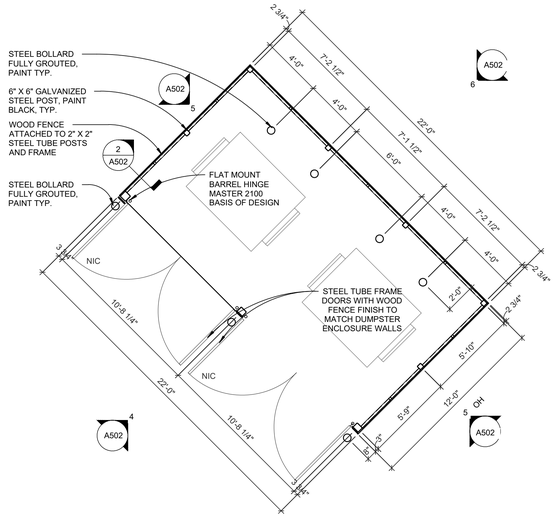
6 DUMPSTER ENCLOSURE REAR ELEVATION
1/4" = 1'-0"



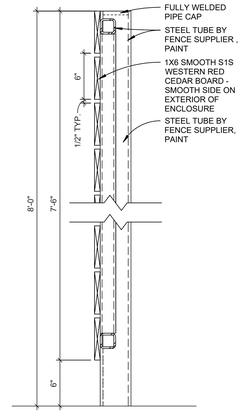
5 DUMPSTER ENCLOSURE SIDE ELEVATION
1/4" = 1'-0"



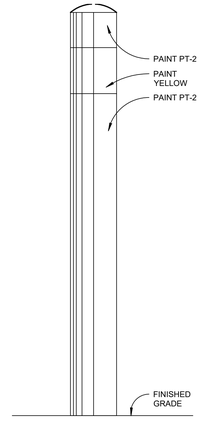
4 DUMPSTER ENCLOSURE FRONT ELEVATION
1/4" = 1'-0"



3 DUMPSTER ENCLOSURE PLAN
1/4" = 1'-0"



2 ENCLOSURE WALL SECTION
1 1/2" = 1'-0"



1 BOLLARD ELEVATION
1 1/2" = 1'-0"

LMHT Project No. 23104.00

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GLEN LEHMANN
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11/10/23

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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: EXTERIOR DETAILS

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

Sheet No.
A502

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\A502-Details.dwg
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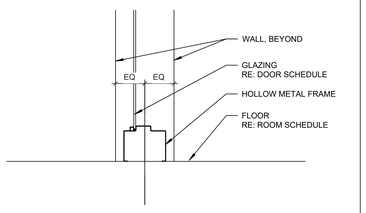
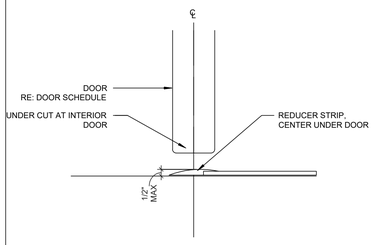
Plotted Date: Nov 10, 2023 - 3:47pm



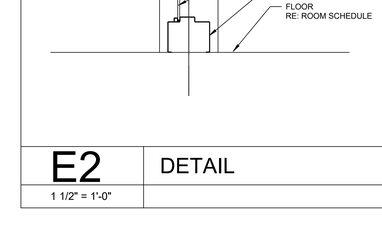
E2 DETAIL

1 1/2" = 1'-0"



C2 TRANSITION DETAIL

6" = 1'-0"

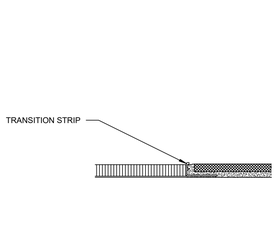


B2 TRANSITION DETAIL

6" = 1'-0"

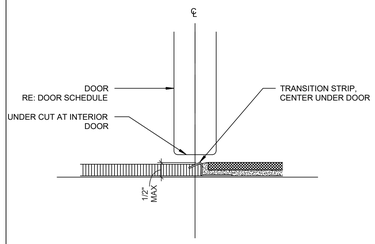
B3 TRANSITION DETAIL

6" = 1'-0"



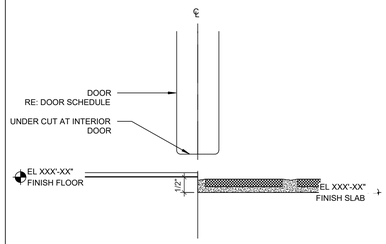
A2 TRANSITION DETAIL

6" = 1'-0"



A3 TRANSITION DETAIL

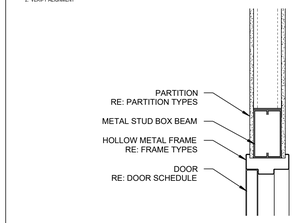
6" = 1'-0"



A4 TRANSITION DETAIL

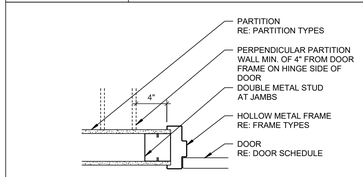
6" = 1'-0"

KEY DESIGN POINTS
1. VERIFY WALL CONSTRUCTION
2. VERIFY ALIGNMENT



C5 HEAD DETAIL

1 1/2" = 1'-0"



TYPICAL JAMB OFFSET
AT HINGE SIDE OF DOOR
UNLESS NOTED OTHERWISE

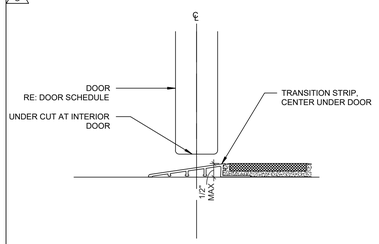
KEY DESIGN POINTS
1. VERIFY WALL CONSTRUCTION
2. VERIFY ALIGNMENT

B5 JAMB DETAIL

1 1/2" = 1'-0"

B6 NOT USED

1 1/2" = 1'-0"



A6 TRANSITION DETAIL

6" = 1'-0"

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STATE OF FLORIDA
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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: DOOR DETAILS - INTERIOR

Revisions

CONCEPT APPROVAL
10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

Sheet No.
A522

LMHT Project No. 23104.00

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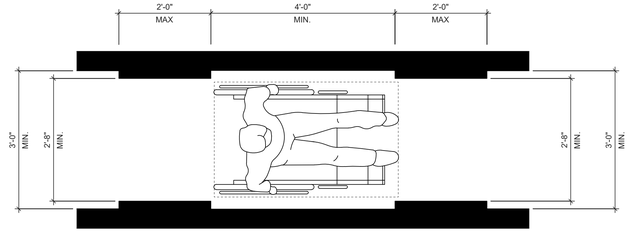
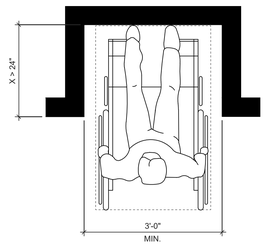
Plotted Date: Nov 10, 2023 - 3:45pm



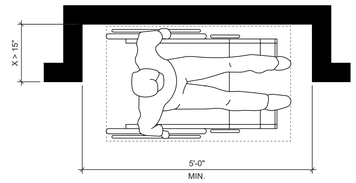
E3 CLEAR WIDTH OF ACCESSIBLE ROUTE

3/4" = 1'-0"



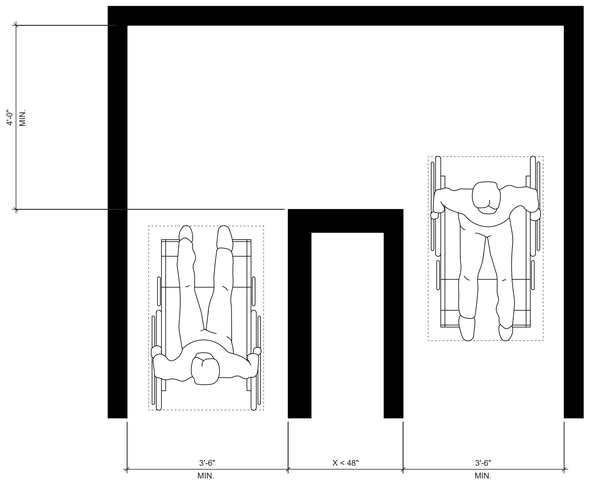
E5 MANEUVERING ALCOVE FORWARD

3/4" = 1'-0"

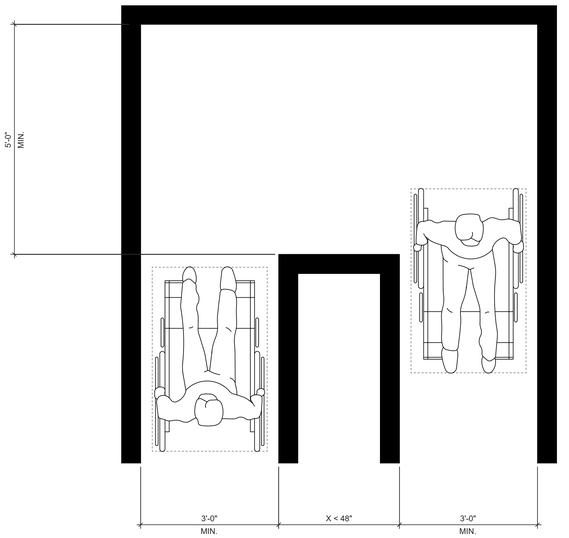


E6 MANEUVERING ALCOVE PARALLEL

3/4" = 1'-0"



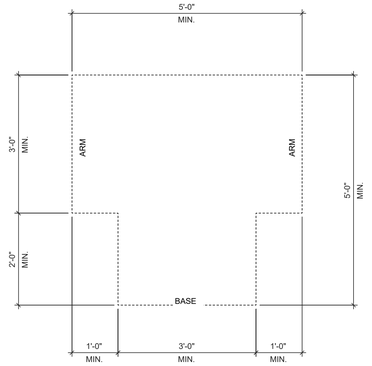
A
180 DEGREE TURN



B
180 DEGREE TURN
(EXCEPTION)

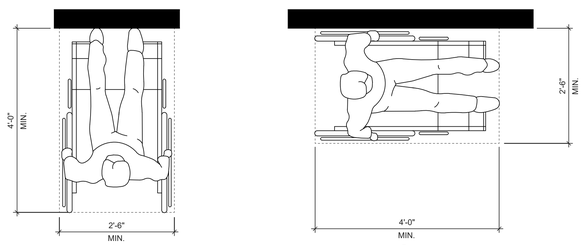
C3 CLEAR WIDTH AT TURN

3/4" = 1'-0"



B1 T-SHAPED TURNING SPACE

3/4" = 1'-0"



A1 WHEEL CHAIR POSITIONS

3/4" = 1'-0"

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: ADA PLAN VIEWS

Revisions

CONCEPT APPROVAL
10.06.2023

3 TENANT CHANGE. 11.03.2023

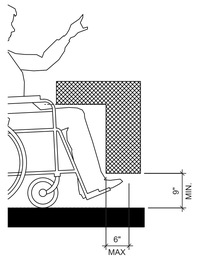
PROJECT DATE
11/10/2023

Drawn By
CDK

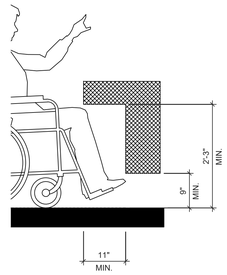
Checked By
NRD

Sheet No.
A570

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\A570v3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 3:48pm



A
TOE CLEARANCE



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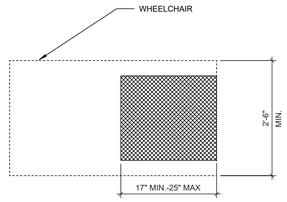
KNEE CLEARANCE



C
PLAN

D4 TOE CLEARANCE

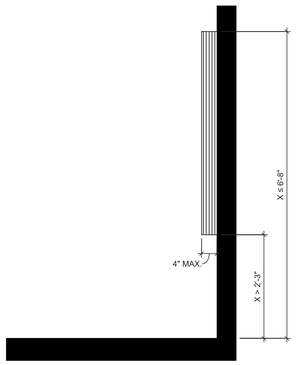
3/4" = 1'-0"

B4 SIDE HIGH REACH UNOBSTRUCTED

3/4" = 1'-0"

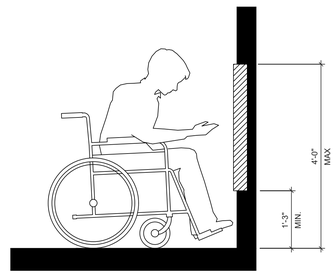
B5 SIDE HIGH REACH OBSTRUCTED

3/4" = 1'-0"



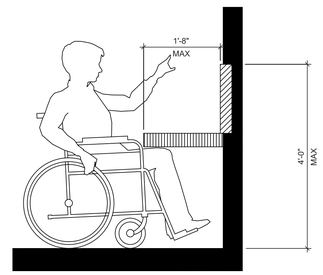
A3 PROTRUDING OBJECTS

3/4" = 1'-0"



A4 FORWARD HIGH REACH UNOBSTRUCTED

3/4" = 1'-0"



A B

A5 FORWARD HIGH REACH OBSTRUCTED

3/4" = 1'-0"

LMHT Project No. 23104.00

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REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: ADA ELEVATIONS

BIG CHICKEN

Revisions

CONCEPT APPROVAL
10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

Sheet No.
A571

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\A571.dwg
Plotted by: chasten
Plotted Date: Nov 10, 2023 - 3:48pm

FLOOR FINISHES

FT-1 TILE FLOORING
MFR: NEMO
SERIES: MAIN STREET
COLOR: BOUTIQUE BLACK
SIZE: 2" x 2" MOSAIC ON 12" x 12" SHEET
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.
NOTES: LATICRETE #45 RAVEN GROUT. MESH MOUNTED TILES

FT-2 TILE FLOORING
MFR: DALTILE
SERIES: QUARRY
COLOR: ARID GRAY 0042
SIZE: 6" x 6"
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.
FINISH: ABRASIVE
NOTES: EPOXY GROUT – GRAY. USE WITH WB-2 BASE.

FLOOR SEALER

CFS-1 CONCRETE FLOOR SEALER
MFR: ENDURABLE
SERIES: CONCRETE PENETRATING SEALER
COLOR: CLEAR
FINISH: MATTE
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

BASE

BS-1 VINYL BASE
MFR: VPI
SERIES: COVED BASE
HEIGHT: 4" HIGH
COLOR: BLACK
FINISH: MATTE
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

BS-2 TILE BASE
MFR: REFER TO FLOOR TILE SPECIFICATION, FT-2
SERIES: COVE
SIZE: 5" x 6"
COLOR: REFER TO FLOOR TILE SPECIFICATION, FT-2
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.
NOTES: EPOXY GROUT. MATCH FLOOR TILE SPECIFICATION, FT-2

BS-3 ALUMINUM BASE TRIM
MFR: SCHLUTER
SERIES: DILEX-AHK
COLOR: ANODIZED ALUMINUM
FINISH: SATIN
LOCATION: INSIDE CORNERS AT FLOOR/WALL CONNECTIONS. REFER TO FINISH PLAN FOR EXACT LOCATIONS.

WALL FINISHES

WC-1 BIG CHICKEN WOOD WALL CLADDING
MFR: CUSTOM
SPECIES: RED OAK
DIMENSIONS: 3 1/2" x 1/2" BOARDS
FINISH: NATURAL SEALER. SPEC TO BE PROVIDED BY BIG CHICKEN UPON REQUEST
LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
NOTES: 1/2" GAP BETWEEN SLATS. REFER TO INTERIOR ELEVATIONS SHEETS FOR ADDITIONAL INFORMATION. SAMPLE MUST BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURING.

WC-2 BIG CHICKEN WOOD WALL WAINSCOT
MFR: CUSTOM
SPECIES: CUSTOM
DIMENSIONS: 6"W x 28"H
COLOR: BLACK WASHED – WEATHER WASH WOOD STAIN – CHARRED
FINISH: SPEC TO BE PROVIDED BY BIG CHICKEN UPON REQUEST
LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
NOTES: SAMPLE MUST BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURING. SEE DETAIL SHEETS FOR INSTALLATION DETAILS.

WT-1 WALL TILE
MFR: FLOOR AND DECOR
SERIES: 3" x 6" CERAMIC
COLOR: FESTIVAL BRIGHT WHITE ICE
FINISH: SMOOTH
LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
NOTES: 1/2 OVERLAP HORIZONTAL INSTALLATION. LATICRETE #24 NATURAL GRAY.

WT-2 WALL TILE
MFR: DALTILE
SERIES: 4" x 12"
COLOR: ARCTIC WHITE
FINISH: GLOSSY
LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
NOTES: VERTICAL STACK INSTALLATION. LATICRETE #24 NATURAL GRAY.

BST BIG CHICKEN METAL WALL PANELS
MFR: CUSTOM
SERIES: 1/8" SHEET METAL
COLOR: MATTE BLACK – LOW GLOSS SMOOTH
FINISH: POWDER COAT – CARDINAL BK11
LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.

VCT BIG CHICKEN CORK WALL TILE
MFR: GLOBUS CORK INC.
SERIES: 8" HEXAGON
COLOR: NATURAL AND GOLDEN OAK
FINISH: TRADITIONAL
LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
NOTES: ADHESIVE SPECIFIED BY THE TILE MFR., FOLLOW MFRS INSTALLATION REQUIREMENTS. 60% NATURAL / 40% GOLDEN OAK COLOR – PATTERN TO BE RANDOM

VC-1 BIG CHICKEN VINYL WALL PATTERN
MFR: CUSTOM
SERIES: VINYL WALL COVERING
COLOR: BIG CHICKEN PATTERN – ORANGE BACKGROUND
FINISH: APPLY OVER LEVEL 5 PREPPED GYP BOARD
LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.

FRP-1 FIBER REINFORCED PLASTIC
MFR: MARLITE
SERIES: P100
COLOR: WHITE
FINISH: SMOOTH
LOCATION: BACK OF HOUSE. REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.

PAINT

PT-1 BIG CHICKEN BLACK
MFR: SHERWIN WILLIAMS
COLOR CODE: SW 6988
DESCRIPTION: BOHEMIAN BLACK
FINISH: EGGSHELL

PT-2 BIG CHICKEN ORANGE
MFR: SHERWIN WILLIAMS
COLOR CODE: SW 6887
DESCRIPTION: NAVEL ORANGE
FINISH: EGGSHELL

PT-3 BIG CHICKEN WHITE
MFR: SHERWIN WILLIAMS
COLOR CODE: SW 7757
DESCRIPTION: HIGH REFLECTIVE WHITE
FINISH: MATTE

PT-4 BIG CHICKEN BURGUNDY
MFR: SHERWIN WILLIAMS
COLOR CODE: SW 7421C
DESCRIPTION: CONFIRM WITH BIG CHICKEN FOR EXACT COLOR CODE
FINISH: EGGSHELL

PT-5 BIG CHICKEN GRAY
MFR: DUNN EDWARDS
COLOR CODE: DE6363
DESCRIPTION: POINTED ROCK
FINISH: EGGSHELL
LOCATION: FLOOR – REFER TO FINISH PLANS FOR EXACT LOCATIONS
USES: CHICKEN FOOTPRINT AND SHAQ FOOTPRINTS

CEILING

GYP-1 GYPSUM BOARD
MFR: SHEETROCK® BRAND GYPSUM PANELS
THICKNESS: 5/8"
SHEET SIZE: 4'-0" x 10'-0"
LOCATION: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
NOTES: LEVEL 5 FINISH

ACT-1 ACOUSTIC CEILING TILE (WHITE– CLEAN/WASHABLE)
MFR: ARMSTRONG
SERIES: CLEAN ROOM VL #868
SIZE: 2'-0" x 2'-0"
THICKNESS: 5/8" MIN.
EDGE: SQUARE LAY-IN 15/16" OR 1 1/2"
LOCATION: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS
NOTE: USE WHITE ARMSTRONG "CLEAN ROOM" EXPOSED TEE GRID SYSTEM

ACT-2 ACOUSTIC CEILING TILE (WHITE– GENERAL)
MFR: ARMSTRONG
SERIES: FINE FISSURE
SIZE: 2'-0" x 2'-0"
THICKNESS: 5/8" MIN.
EDGE: SQUARE LAY-IN 15/16" OR 1 1/2"
LOCATION: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS
NOTE: USE WHITE ARMSTRONG "CLEAN ROOM" EXPOSED TEE GRID SYSTEM

ACT-3 ACOUSTIC CEILING TILE (WHITE – NON-COMBUSTIBLE)
MFR: VARIES
SERIES: ALUMINUM 0.05" PANEL – PRE-FINISHED
SIZE: 2'-0" x 2'-0"
THICKNESS: 0.05" PANEL
EDGE: SQUARE LAY-IN 15/16"
LOCATION: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS
NOTE: TEE GRID SYSTEM – 7/8" WIDE, WHITE FINISH

COUNTERTOP

CT-1 WOOD COUNTER TOP
MFR: WOOD ARCHITECTURAL PRODUCTS – LAS VEGAS
SERIES: SOLID BLOCK BBB-CT (POS)
COLOR: BEECH BUTCHER
FINISH: CONVERSION FINISH
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

CT-2 STONE COUNTER TOP
MFR:
SERIES:
COLOR:
FINISH:
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

LAMINATE

LAM-1 PLASTIC LAMINATE
MFR: SPECIFIED BY MANUFACTURER
COLOR: BLACK
FINISH: MATTE BLACK
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS
NOTES: OUTSIDE FACE TO RECEIVE LAM-1, INSIDE FACE TO RECIEVE FRP-1. GENERAL CONTRACTOR TO COORDINATE.

ACCENT/FINISH TRIM

TM-1 METAL TRIM
MFR: SPECIFIED BY MANUFACTURER/GENERAL CONTRACTOR
SERIES: 1/2" x 1/2" ARCHITECTURAL ANGLE
COLOR: BLACK
FINISH: CARDINAL BK–11 POWDER COAT OR FLAT BLACK SPRAY PAINT
LOCATION: REFER TO FINISH PLAN, INTERIOR ELEVATIONS AND DETAILS FOR EXACT LOCATIONS.

TM-2 METAL TRIM
MFR:
SPECIFIED BY MANUFACTURER/GENERAL CONTRACTOR
SERIES: BENT PLATE CAP, 8" WEB WITH 1 1/2" FLANGES
FINISH: CARDINAL BK–11 POWDER COAT OR FLAT BLACK SPRAY PAINT
LOCATION: REFER TO FINISH PLAN, INTERIOR ELEVATIONS AND DETAILS FOR EXACT LOCATIONS.

TM-3 METAL TRIM
MFR: SPECIFIED BY MANUFACTURER/GENERAL CONTRACTOR
SERIES: 1/2" x 1" ARCHITECTURAL ANGLE
COLOR: BLACK
FINISH: CARDINAL BK–11 POWDER COAT OR FLAT BLACK SPRAY PAINT
LOCATION: REFER TO FINISH PLAN, INTERIOR ELEVATIONS AND DETAILS FOR EXACT LOCATIONS.

ROOM SCHEDULE

MARK	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING TYPE	NOTES
100	ENTRANCE	CFS-1(b)	WB-1	WD-2 VC-1	(a)	(a)	WD-2 PT-3 (a)	GYP-1(d) / PT-1	EXPOSED STEEL TO BE PAINTED PT-3
101	EXIT	CFS-1	WB-1	WD-2 PT-1	WD-2 PT-1 (a)	WD-2 PT-1	WD-2 PT-1	GYP-1(d) / PT-1	
102	QUEUING	CFS-1(b)	WB-1	BS-1 CT-1	WD-2 PT-1	(a)	WD-2 PT-1 (a)	GYP-1(d) / PT-1	EXPOSED STEEL TO BE PAINTED PT-3
103	HALL	CFS-1	WB-1	PT-1	PT-1	PT-1	PT-1	GYP-1(d) / PT-1	
104	MENS RESTROOM	FT-1	WB-3	WT-2 PT-2	WT-2 PT-2	WT-2 PT-2	WT-2 PT-2	GYP-1(d) / PT-3	
105	WOMENS RESTROOM	FT-1	WB-3	WT-2 PT-2	WT-2 PT-2	WT-2 PT-2	WT-2 PT-2	GYP-1(d) / PT-3	
106	PATIO DINING	CONC.	–	PT-7 (a) (d)	PT-7 (d)	PT-10	–	(e)	
107	OPTIONAL PATIO DINING 2	CONC.	–	PT-7 (d)	PT-10	PT-10	PT-7 (d)	(e)	
108	TO-GO COUNTER	CFS-1	WB-1	BS-1 CT-1 WD-1	–	–	–	PT-1 (d)	
109	CASHIER	CFS-1	WB-1	BS-1 CT-1 WD-1	WD-2 PT-1	–	–	PT-1 (d)	GATE BY F.E.C. – FINISHED BS-1 PUBLIC SIDE
110	OFFICE / NETWORK	FT-2	WB-2	PT-3 (d)	PT-3 (d)	PT-3 (d)	PT-3 (d)	ACT-2	
111	BEVERAGE	CFS-1(c)	WB-1	LAM-1 VC-1	LAM-1 VC-1 WD-1	–	–	GYP-1 PT-1	
112	DINING	CFS-1	WB-1	WD-2 PT-1 (a)	BS-1 WD-1	WD-2 PT-1	WD-2 VC-1 WD-1	PT-1 (d)	
113	GAMING	CFS-1	WB-1	CK-1 WD-2 (a)	–	–	CK-1 WD-2 (a)	PT-1 (d)	
114	SHAKE PREP	FT-2	WB-2	–	–	FRP-1 WT-1	FRP-1 WT-1	GYP-1 PT-3	GATE BY F.E.C. – FINISHED BS-1 PUBLIC SIDE
115	EXPO	FT-2	WB-2	WD-2 PT-1 WT-1	WT-1	WT-1	FRP-1 WT-1	GYP-1 PT-3	
116	DRIVE THRU	FT-2	WB-2	WT-1	WT-1	WT-1	WT-1	GYP-1 PT-3	
117	COOKING	FT-2	WB-2	WD-2 S.S. PANEL	–	–	FRP-1	ACT-1 WACT-4	SEE SHEEET A121 FOR LOCATION/EXTENT OF MTL. TILES
118	ASSEMBLY	FT-2	WB-2	–	FRP-1	FRP-1	FRP-1	ACT-1	
119	STORAGE	FT-2	WB-2	FRP-1 (d)	FRP-1	FRP-1	FRP-1	ACT-1	
120	PREP	FT-2	WB-2	FRP-1 (d)	FRP-1	FRP-1 (d)	FRP-1	ACT-1	
121	DISHWASHING	FT-2	WB-2	–	FRP-1 (d)	FRP-1	FRP-1	ACT-1	
122	WALK-IN FREEZER	ALUM.	ALUM.	ALUM.	ALUM.	ALUM.	ALUM.	ALUM.	ALUM. FINISH – FLOOR, WALL, CLG. & BASE BY VENDOR
123	WALK-IN COOLER	FT-2	WB-2	ALUM.	ALUM.	ALUM.	ALUM.	ALUM.	ALUM. FINISH – WALL & CLG. BY VENDOR
124	UTILITY ROOM	CONC.		PT-3	PT-3	PT-3	PT-3	(e)	
125	ELECTRICAL ROOM	CONC.		PT-3	PT-3	PT-3	PT-3	(e)	

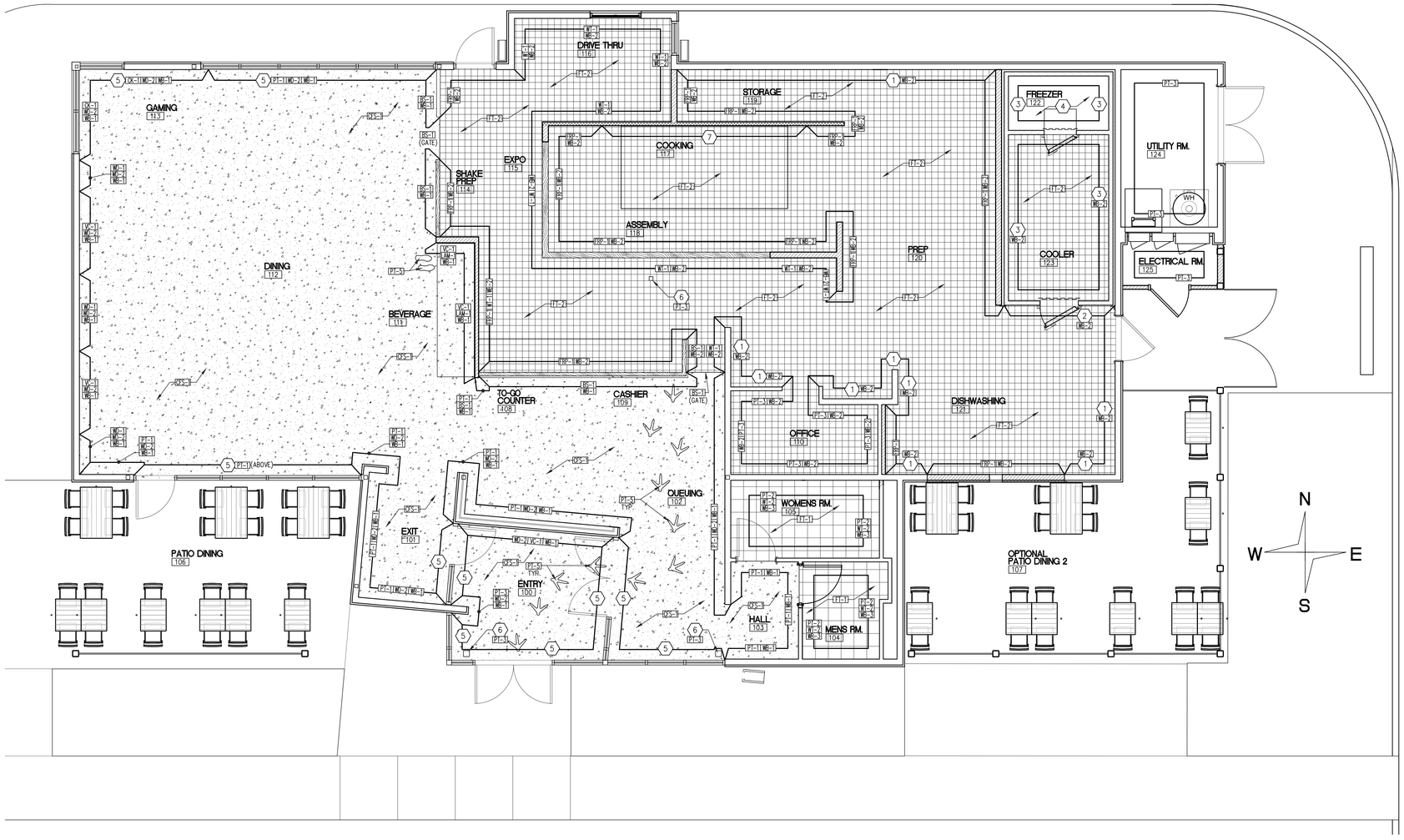
3 A601 ROOM FINISH SCHEDULE

SCALE: N.T.S.

(a) EXISTING STOREFRONT TO REMAIN
(b) CHICKEN FEET ON FLOOR – PAINT PT-5
(c) SHAQUILLE FEET ON FLOOR – PAINT PT-5
(d) EXISTING FINISH MATERIAL TO REMAIN
(e) EXPOSED TO EXISTING STRUCTURE

4 A601 FINISH PLAN SCHEDULE

SCALE: N.T.S.



2 A601 FLOOR FINISH PLAN

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

CFS-1 CONCRETE FLOOR SEALER
MFR: ENDURABLE
SERIES: CONCRETE PENETRATING SEALER
COLOR: CLEAR
FINISH: MATTE
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

FT-2 TILE FLOORING
MFR: DALTILE
SERIES: QUARRY
COLOR: ARID GRAY 0042
SIZE: 6" x 6"
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.
FINISH: ABRASIVE
NOTES: EPOXY GROUT – GRAY. USE WITH WB-2 BASE.

FT-1 TILE FLOORING
MFR: NEMO
SERIES: MAIN STREET
COLOR: BOUTIQUE BLACK
SIZE: 2" x 2" MOSAIC ON 12" x 12" SHEET
LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.
NOTES: LATICRETE #45 RAVEN GROUT. MESH MOUNTED TILES

1 A601 FINISH PLAN LEGEND

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

GENERAL NOTES

1. SEE SHEETS A401 THRU A403 FOR INTERIOR ELEVATIONS.
2. SEE SHEET ID001 FOR FINISH SCHEDULE.
3. ALL WALLS WILL BE SHEATHED IN GYP. BD. OR PLYWOOD WITH LEVEL 5 PREP FINISH – PAINT BLACK BEFORE APPLYING FINISHES.
4. ALL FINAL FINISHES – RED OAK SLATWALL, WAINSCOT VINYL & CORK WILL BE TRIMMED IN TM-1 AND APPLIED TO LEVEL 5 PREPPED SHEATHING.

CONSTRUCTION NOTES

1. EXISTING FULL HEIGHT w/FRP TO REMAIN
2. NEW EXPOSED COOLER WALL TO BE PRE-FINISHED WHITE.
3. NEW INTERIOR COOLER/FREEZER WALLS TO BE ALUMINUM BY MANUFACTURER.
4. NEW INTERIOR FREEZER FLOOR & RAMP BY MANUFACTURER.
5. EXISTING STOREFRONT GLAZING TO REMAIN
6. EXPOSED BEAM/COLUMN TO REMAIN – PAINT AS NOTED.
7. STAINLESS STEEL FINISH PANELS FROM T/BASE TO 18" PAST PERIMETER OF HOOD.

LMHT Project No. 23104.00

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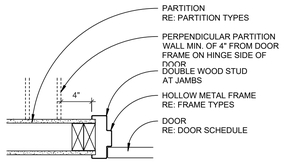
BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: FINISH PLAN and ROOM FINISH SCHEDULE

Revisions
CONCEPT APPROVAL 10.06.2023
1 TENANT CHANGE. 11.03.2023

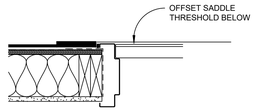
PROJECT DATE 11/10/2023
Drawn By CDK
Checked By NRD
Sheet No. A601

Drawing File: Z:\2023\23104-BIGCK Lake City FL – Conversion\CAD\A601-3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 – 3:48pm



17 TYPICAL HM JAMB

1 1/2" = 1'-0"



16 HM DOOR JAMB

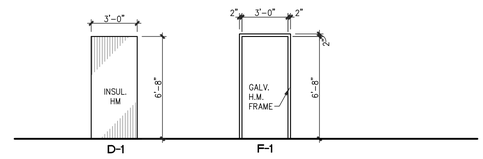
1 1/2" = 1'-0"

15 NOT USED

1 1/2" = 1'-0"

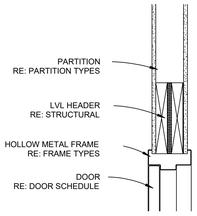
14 NOT USED

3/8" = 1'-0"



13 DOOR AND FRAME ELEVATIONS

3/8" = 1'-0"



12 DETAIL

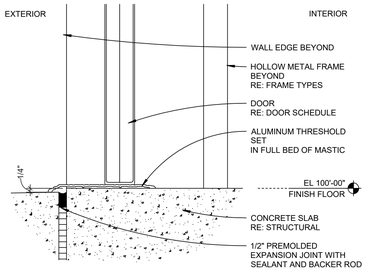
1 1/2" = 1'-0"

11 NOT USED

1 1/2" = 1'-0"

10 NOT USED

1 1/2" = 1'-0"

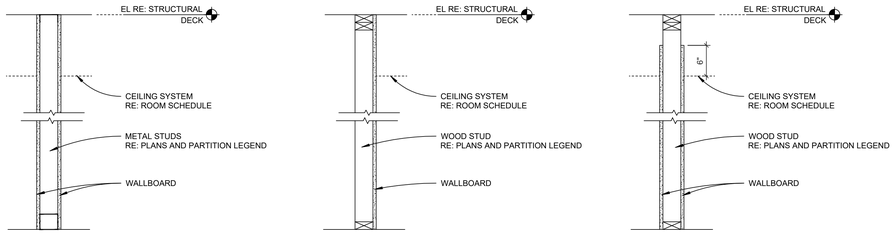


9 EXTERIOR THRESHOLD

3" = 1'-0"

8 NOT USED

1/4" = 1'-0"



PARTITION TAG LEGEND

CORE MATERIAL AND DEPTH

(W) WOOD FRAMING DEPTHS
W4 = 2x4 NOMINAL WOOD FRAMING
W6 = 2x6 NOMINAL WOOD FRAMING
W8 = 2x8 NOMINAL WOOD FRAMING

SOUND ATTENUATION

REFER TO FLOOR PLANS AND SECTIONS FOR EXTENT OF SOUND ATTENUATION BLANKET.

7 PARTITION LEGEND

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REGISTERED ARCHITECT

11/10/23

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LMHT Project No. 23104.00

BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: DOOR SCHEDULE/FRAME TYPES

Revisions

CONCEPT APPROVAL
10.06.2023

3 TENANT CHANGE. 11.03.2023

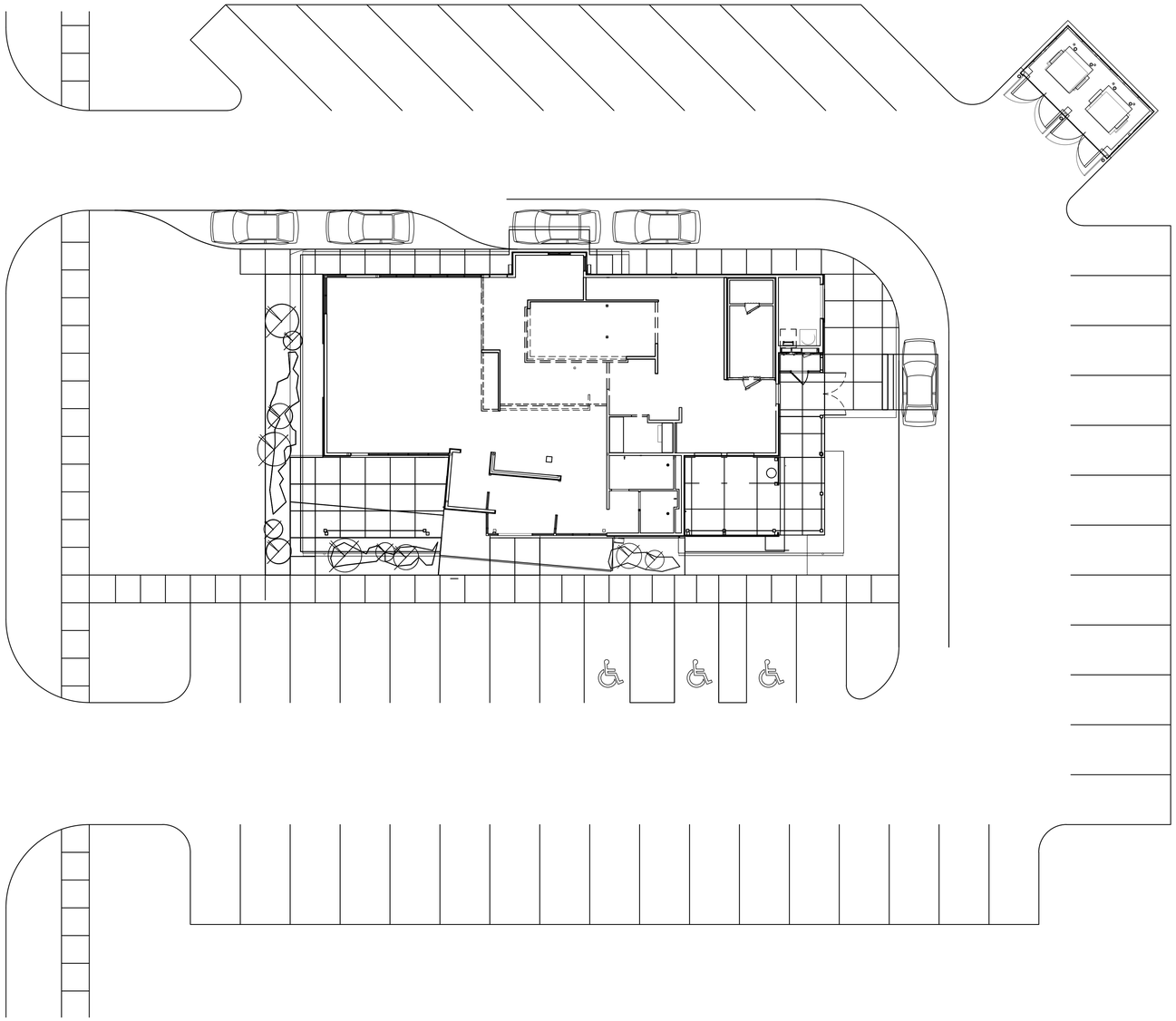
PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

Sheet No.
A602

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\A602r3.dwg
Plotted By: chudson
Plotted Date: Nov 10, 2023 - 3:45pm



LMHT Project No. 23104.00

NATIONAL RESTAURANT DESIGNERS
A DIVISION OF LMHT ASSOCIATES
7208 ACC BLVD, 2ND FLOOR.
RALEIGH, NC 27617
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STATE OF FLORIDA
GLEN LEHMANN
AR97728
REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN - CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: ARCHITECTURAL SITE PLAN

BIG CHICKEN

3

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By
CDK

Checked By
NRD

Sheet No.
AS101

A1
1/16" = 1'-0"

ARCHITECTURAL SITE PLAN

3

Drawing File: Z:\2023\23104-BIGCK Lake City Fl. - Conversion\CAD\AS101v3.dwg
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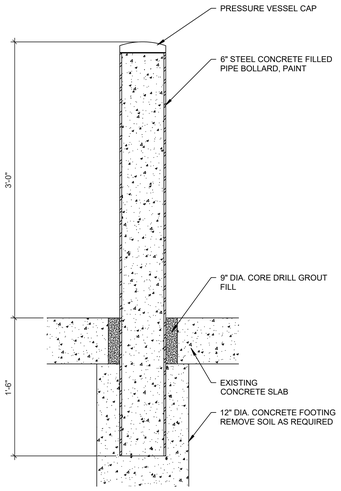
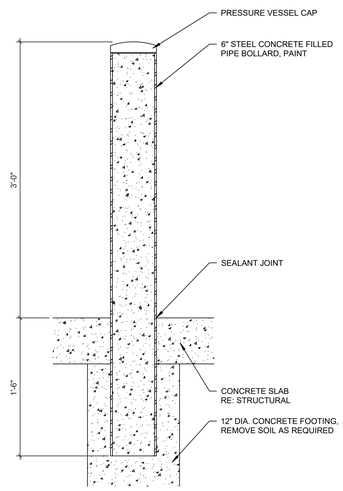
Plotted Date: Nov 10, 2023 - 3:45pm



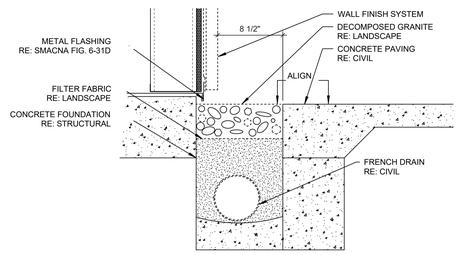
B4 — BOLLARD - CORE DRILL

1 1/2" = 1'-0"



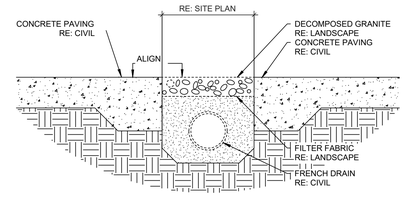
B5 — BOLLARD - CAST

1 1/2" = 1'-0"



A4 — TRENCH DRAIN PERIMETER

1 1/2" = 1'-0"



A5 — TRENCH DRAIN PARKING

1 1/2" = 1'-0"

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STATE OF FLORIDA — GLEN LEHMANN — AR97728 — REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: SITE DETAILS

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

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CDK

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Sheet No.
AS501

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Plotted by: chudson
Plotted Date: Nov 10, 2023 – 3:45pm

FLOOR FINISHES

FT-1 TILE FLOORING
- MFR: NEMO
- SERIES: MAIN STREET
- COLOR: BOUTIQUE BLACK
- SIZE: 2" x 2" MOSAIC ON 12" x 12" SHEET
- LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.
- NOTES: LATICRETE #45 RAVEN GROUT. MESH MOUNTED TILES

FT-2 TILE FLOORING
- MFR: DALTILE
- SERIES: QUARRY
- COLOR: ARID GRAY 0Q42
- SIZE: 6" x 6"
- LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.
- FINISH: ABRASIVE
- NOTES: EPOXY GROUT – GRAY. USE WITH WB-2 BASE.

FLOOR SEALER

CFS-1 CONCRETE FLOOR SEALER
- MFR: ENDURABLE
- SERIES: CONCRETE PENETRATING SEALER
- COLOR: CLEAR
- FINISH: MATTE
- LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

BASE

WB-1 VINYL BASE
- MFR: VPI
- SERIES: COVED BASE
- HEIGHT: 4" HIGH
- COLOR: BLACK
- FINISH: MATTE
- LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

WB-2 TILE BASE
- MFR: REFER TO FLOOR TILE SPECIFICATION, FT-2
- SERIES: COVE
- SIZE: 5" x 6"
- COLOR: REFER TO FLOOR TILE SPECIFICATION, FT-2
- LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.
- NOTES: EPOXY GROUT. MATCH FLOOR TILE SPECIFICATION, FT-2

WB-3 ALUMINUM BASE TRIM
- MFR: SCHLUTER
- SERIES: DILEX-AHK
- COLOR: ANODIZED ALUMINUM
- FINISH: SATIN
- LOCATION: INSIDE CORNERS AT FLOOR/WALL CONNECTIONS. REFER TO FINISH PLAN FOR EXACT LOCATIONS.

WALL FINISHES

WD-1 BIG CHICKEN WOOD WALL CLADDING
- MFR: CUSTOM
- SPECIES: RED OAK
- DIMENSIONS: 3 1/2" x 1/2" BOARDS
- FINISH: NATURAL SEALER, SPEC TO BE PROVIDED BY BIG CHICKEN UPON REQUEST
- LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
- NOTES: 1/2" GAP BETWEEN SLATS. REFER TO INTERIOR ELEVATIONS SHEETS FOR ADDITIONAL INFORMATION. SAMPLE MUST BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURING.

WD-2 BIG CHICKEN WOOD WALL WAINSCOT
- MFR: CUSTOM
- SPECIES: CUSTOM
- DIMENSIONS: 6"W x 28"H
- COLOR: BLACK WASHED – WEATHER WASH WOOD STAIN – CHARRED
- FINISH: SPEC TO BE PROVIDED BY BIG CHICKEN UPON REQUEST
- LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
- NOTES: SAMPLE MUST BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURING. SEE DETAIL SHEETS FOR INSTALLATION DETAILS.

WT-1 WALL TILE
- MFR: FLOOR AND DECOR
- SERIES: 3" x 6" CERAMIC
- COLOR: FESTIVAL BRIGHT WHITE ICE
- FINISH: SMOOTH
- LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
- NOTES: 1/2 OVERLAP HORIZONTAL INSTALLATION. LATICRETE #24 NATURAL GRAY.

WT-2 WALL TILE
- MFR: DALTILE
- SERIES: 4" x 12"
- COLOR: ARCTIC WHITE
- FINISH: GLOSSY
- LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
- NOTES: VERTICAL STACK INSTALLATION. LATICRETE #24 NATURAL GRAY.

BS-1 BIG CHICKEN METAL WALL PANELS
- MFR: CUSTOM
- SERIES: 1/8" SHEET METAL
- COLOR: MATTE BLACK – LOW GLOSS SMOOTH
- FINISH: POWDER COAT – CARDINAL BK11
- LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.

CK-1 BIG CHICKEN CORK WALL TILE
- MFR: GLOBUS CORK INC.
- SERIES: 8" HEXAGON
- COLOR: NATURAL AND GOLDEN OAK
- FINISH: TRADITIONAL
- LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.
- NOTES: ADHESIVE SPECIFIED BY THE TILE MFR., FOLLOW MFRS INSTALLATION REQUIREMENTS. 60% NATURAL / 40% GOLDEN OAK COLOR – PATTERN TO BE RANDOM

VC-1 BIG CHICKEN VINYL WALL PATTERN
- MFR: CUSTOM
- SERIES: VINYL WALL COVERING
- COLOR: BIG CHICKEN PATTERN – ORANGE BACKGROUND
- FINISH: APPLY OVER LEVEL 5 PREPPED GYP BOARD
- LOCATION: REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.

FRP-1 FIBER REINFORCED PLASTIC
- MFR: MARLITE
- SERIES: P100
- COLOR: WHITE
- FINISH: SMOOTH
- LOCATION: BACK OF HOUSE. REFER TO FINISH PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS.

PAINT

PT-1 BIG CHICKEN BLACK
- MFR: SHERWIN WILLIAMS
- COLOR CODE: SW 6988
- DESCRIPTION: BOHEMIAN BLACK
- FINISH: EGGSHELL

PT-2 BIG CHICKEN ORANGE
- MFR: SHERWIN WILLIAMS
- COLOR CODE: SW 6887
- DESCRIPTION: NAVEL ORANGE
- FINISH: EGGSHELL

PT-3 BIG CHICKEN WHITE
- MFR: SHERWIN WILLIAMS
- COLOR CODE: SW 7757
- DESCRIPTION: HIGH REFLECTIVE WHITE
- FINISH: MATTE

PT-4 BIG CHICKEN BURGUNDY
- MFR: SHERWIN WILLIAMS
- COLOR CODE: SW 7421C
- DESCRIPTION: CONFIRM WITH BIG CHICKEN FOR EXACT COLOR CODE
- FINISH: EGGSHELL

PT-5 BIG CHICKEN GRAY
- MFR: DUNN EDWARDS
- COLOR CODE: DE6363
- DESCRIPTION: POINTED ROCK
- FINISH: EGGSHELL
- LOCATION: FLOOR – REFER TO FINISH PLANS FOR EXACT LOCATIONS
- USES: CHICKEN FOOTPRINT AND SHAQ FOOTPRINTS

CEILING

GYP-1 GYPSUM BOARD
- MFR: SHEETROCK® BRAND GYPSUM PANELS
- THICKNESS: 5/8"
- SHEET SIZE: 4'–0" x 10'–0"
- LOCATION: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- NOTES: LEVEL 5 FINISH

ACT-1 ACOUSTIC CEILING TILE (WHITE– CLEAN/WASHABLE)
- MFR: ARMSTRONG
- SERIES: CLEAN ROOM VL #868
- SIZE: 2'–0" x 2'–0"
- THICKNESS: 5/8" MIN.
- EDGE: SQUARE LAY-IN 15/16" OR 1 1/2"
- LOCATION: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS
- NOTE: USE WHITE ARMSTRONG "CLEAN ROOM" EXPOSED TEE GRID SYSTEM

ACT-2 ACOUSTIC CEILING TILE (WHITE– GENERAL)
- MFR: ARMSTRONG
- SERIES: FINE FISSURE
- SIZE: 2'–0" x 2'–0"
- THICKNESS: 5/8" MIN.
- EDGE: SQUARE LAY-IN 15/16" OR 1 1/2"
- LOCATION: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS
- NOTE: USE WHITE ARMSTRONG "CLEAN ROOM" EXPOSED TEE GRID SYSTEM

ACT-4 ACOUSTIC CEILING TILE (WHITE – NON-COMBUSTIBLE)
- MFR: VARIES
- SERIES: ALUMINUM 0.05" PANEL – PRE-FINISHED
- SIZE: 2'–0" x 2'–0"
- THICKNESS: 0.05" PANEL
- EDGE: SQUARE LAY-IN 15/16"
- LOCATION: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS
- NOTE: TEE GRID SYSTEM – 7/8" WIDE, WHITE FINISH

COUNTERTOP

CT-1 WOOD COUNTER TOP
- MFR: WOOD ARCHITECTURAL PRODUCTS – LAS VEGAS
- SERIES: SOLID BLOCK BBB–CT (POS)
- COLOR: BEECH BUTCHER
- FINISH: CONVERSION FINISH
- LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

CT-2 STONE COUNTER TOP
- MFR:
- SERIES:
- COLOR:
- FINISH:
- LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS.

LAMINATE

LAM-1 PLASTIC LAMINATE
- MFR: SPECIFIED BY MANUFACTURER
- COLOR: BLACK
- FINISH: MATTE BLACK
- LOCATION: REFER TO FINISH PLAN FOR EXACT LOCATIONS
- NOTES: OUTSIDE FACE TO RECEIVE LAM-1, INSIDE FACE TO RECIEVE FRP-1. GENERAL CONTRACTOR TO COORDINATE.

ACCENT/FINISH TRIM

TR-1 METAL TRIM
- MFR: SPECIFIED BY MANUFACTURER/GENERAL CONTRACTOR
- SERIES: 1/2" x 1/2" ARCHITECTURAL ANGLE
- COLOR: BLACK
- FINISH: CARDINAL BK-11 POWDER COAT OR FLAT BLACK SPRAY PAINT
- LOCATION: REFER TO FINISH PLAN, INTERIOR ELEVATIONS AND DETAILS FOR EXACT LOCATIONS.

TR-2 METAL TRIM
- MFR: SPECIFIED BY MANUFACTURER/GENERAL CONTRACTOR
- SERIES: BENT PLATE CAP, 8" WEB WITH 1 1/2" FLANGES
- FINISH: CARDINAL BK-11 POWDER COAT OR FLAT BLACK SPRAY PAINT
- LOCATION: REFER TO FINISH PLAN, INTERIOR ELEVATIONS AND DETAILS FOR EXACT LOCATIONS.

TR-3 METAL TRIM
- MFR: SPECIFIED BY MANUFACTURER/GENERAL CONTRACTOR
- SERIES: 1/2" x 1" ARCHITECTURAL ANGLE
- COLOR: BLACK
- FINISH: CARDINAL BK-11 POWDER COAT OR FLAT BLACK SPRAY PAINT
- LOCATION: REFER TO FINISH PLAN, INTERIOR ELEVATIONS AND DETAILS FOR EXACT LOCATIONS.

LMHT Project No. 23104.00

NATIONAL RESTAURANT DESIGNERS
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STATE OF FLORIDA · GLEN LEHMANN · AR97728 · REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: INTERIOR DESIGN FINISH SCHEDULE

Revisions

CONCEPT APPROVAL	10.06.2023
3 TENANT CHANGE.	11.03.2023

PROJECT DATE 11/10/2023

Drawn By: CDK

Checked By: NRD

Sheet No.: **ID001**

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Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:05pm

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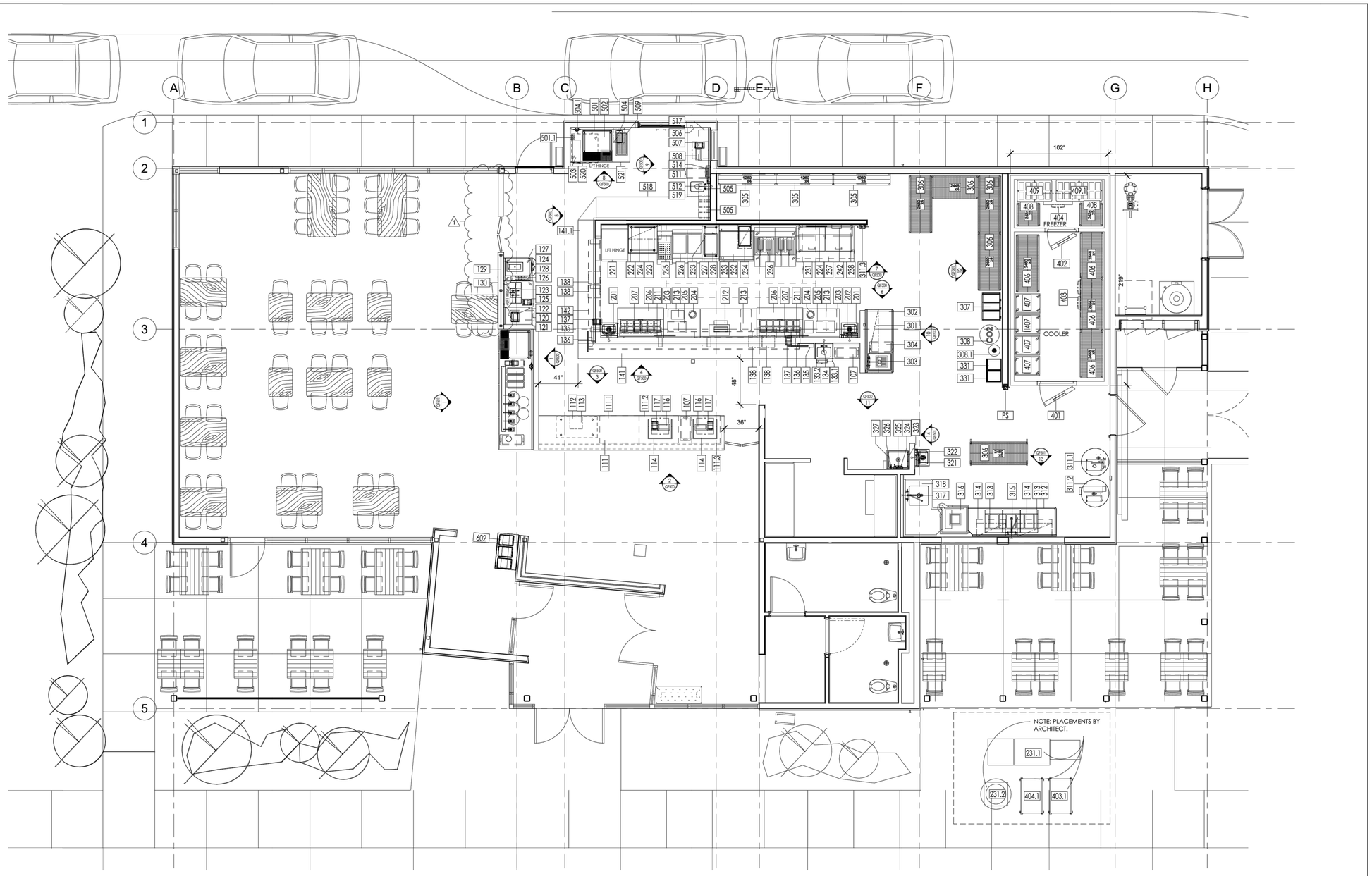

Equipment Plan
1/4" = 1'-0"

SMITH AND GREENE
FOOD SERVICE EQUIPMENT AND DESIGN
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425.656.8000 * FX 425.656.8075
WWW.SMITHANDGREENE.COM

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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

DESIGNER ELT 253.234.9993 cad@smithandgreene.com
PROJECT MGR. AL 808.347.3585 amelia@smithandgreene.com
ACCOUNT MGR. CM 253.376.2790 chrism@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

INDEX OF SHEETS

QF100	Equipment Plan
QF101	Equipment Schedule
QF110	Equipment Utility Schedule
QF111	Equipment Utility Schedule
QF120	General Notes
QF200	Floor Penetration
QF300	Plumbing Spotting
QF301	Plumbing Schedule
QF310	Plumbing Elevations
QF311	Plumbing Elevations
QF400	Electrical Spotting
QF401	Electrical Schedule
QF410	Electrical Elevations
QF411	Electrical Elevations
QF500	Elevations
QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date
1	Revision 1	11.01.23

Equipment Plan

QF100

LMHT Project No. 23104.00

SHOP DRAWINGS FOR REFERENCE ONLY

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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: EQUIPMENT PLAN
SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
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Equipment Schedule

Item Number	Qty	Description	Manufacturer	Model
101	1	Nugget Ice Maker	Manitowoc Ice	RNF1100A
101.1	1	Filter System	Manitowoc Ice	AR-20000-P
102	1	Soda Dispenser	By Vendor	By Vendor
103	1	Cup/Lid/Straw Organizer	By Smallwares	By Smallwares
104	1	Beverage Dispenser, Electric	Vollrath	VBBE3-37-S
105	1	Spare Number	- -	- -
106	5	Condiment Dispenser	Server Products	85783
107	3	Trash	By Smallwares	By Smallwares
108	1	Beverage Cabinet	JL Stainless	Per Shop Drawings
109	1	Carbonator	By Vendor	By Vendor
109.1	1	Filter System	By Ecolab	By Ecolab
110	1	Spare Number	- -	- -
111	1	POS Counter	John Boos	Per Shop Drawings
111.1	1	UC Stainless Steel Cabinet	JL Stainless	Per Shop Drawings
111.2	1	UC Stainless Steel Cabinet	JL Stainless	Per Shop Drawings
111.3	1	UC Stainless Steel Cabinet	JL Stainless	Per Shop Drawings
112	1	Bag Shelf	JL Stainless	Per Shop Drawings
113	1	Heated Holding Shelf	FWE	HHS-210-2248-BC
114	2	POS Wood Screen	John Boos	Per Shop Drawings
115	1	Spare Number	- -	- -
116	2	POS System	By Owner	By Owner
117	2	Printer	By Owner	By Owner
118-119	1	Spare Number	- -	- -
120	1	Trash	By Smallwares	By Smallwares
121	1	Work Table	By Owner	By Owner
122	1	Mixer, Drink/Bar	By Owner	By Owner
123	1	Shake Condiment Center	By Smallwares	By Smallwares
124	1	Refrigerator, Undercounter	By Owner	By Owner
125	1	Printer	By Owner	By Owner
126	1	Cup & Lid Organizer	By Smallwares	By Smallwares
127	1	Soft Serve Machine	Taylor	C708TAD
128	1	Equipment Stand w/ Casters	JL Stainless	Per Shop Drawings
129	1	Sneezeguard	PMG	FM1V-G
130	1	Wall Cap	JL Stainless	Per Shop Drawings
131-132	1	Spare Number	- -	- -
133.1	1	Soap Dispenser	By Smallwares	By Smallwares
133.2	1	Towel Dispenser	By Smallwares	By Smallwares
134	1	Deck Mount Faucet	T&S Brass	B-1141
135	2	Glove Dispenser	By Smallwares	By Smallwares
136	2	Monitor	By Owner	By Owner
137	2	Printer	By Owner	By Owner
138	4	Paper Tray	JL Stainless	Per Shop Drawings
139-140	1	Spare Number	- -	- -
141	1	Expo Counter	JL Stainless	Per Shop Drawings
141.1	1	Expo Counter	JL Stainless	Per Shop Drawings
142	1	Pass Shelf w/ Stainless Window Trim	JL Stainless	Per Shop Drawings
143-151	1	Spare Number	- -	- -
153-200	1	Spare Number	- -	- -
201	2	Hand Sink	John Boos	PBHS-W-1410-P-SSLR-X
202	1	Soap & Towel Dispensers	By Smallwares	By Smallwares
203	2	Work Table	By Owner	By Owner
204	2	Hot Food Well Unit, Drop-In, Electric	Hatco Corporation	HWB-4QT
205	2	Cheesemelter, Electric	Vollrath	CM2-12020
206	2	Sandwich/Salad Preparation Refrigerator	By Owner	By Owner
207	2	Storage Organizer	JL Stainless	Per Shop Drawings
208-210	1	Spare Number	- -	- -
211	2	Monitor	By Owner	By Owner
212	1	Toaster, Contact Grill, Conveyor Type	Antunes	VCT-1000-9210719
213	3	Trash	By Smallwares	By Smallwares
214	1	Spare Number	- -	- -
215	1	Work Table	JL Stainless	Per Shop Drawings
216-220	1	Spare Number	- -	- -
221	1	Reach-In Freezer	Hoshizaki America	F1A-FSL
222	1	Work Table	By Owner	By Owner
223	1	Wall Mounted Shelf	JL Stainless	Per Shop Drawings
224	2	Monitor	By Owner	By Owner
225	1	Fryer Dump Station	Pitco Frialator	PCF14
226	1	Fryer Battery, Gas	Pitco Frialator	SG14RS-2FD
227	1	Work Table	By Owner	By Owner
228	1	Food Pan Warmer, Countertop	Winco	FW-S600
229-230	1	Spare Number	- -	- -
231	1	Hood	By Owner	By Owner
231.1	1	MUA	Existing	Existing
231.2	1	Exhaust Fan	Existing	Existing
232	1	Griddle	By Owner	By Owner
233	1	Equipment Stand, Refrigerated Base	Hoshizaki America	CR36A
234	1	Wall Mounted Shelf	JL Stainless	Per Shop Drawings

Equipment Schedule

Item Number	Qty	Description	Manufacturer	Model
235	1	Spare Number	- -	- -
236	1	Multiple Fryer System, Gas	Ultrafryer Systems	B-P20-20-2-UCP
237	1	Mega Top Preparation Refrigerator	Hoshizaki	SR60B-24M
238	1	Wall Mounted Shelf	JL Stainless	Per Shop Drawings
239-241	1	Spare Number	- -	- -
242	1	Glove Dispenser	By Smallwares	By Smallwares
243-300	1	Spare Number	- -	- -
301	2	Wall Mounted Shelf	JL Stainless	Per Shop Drawings
302	1	One Comp Prep Sink	JL Stainless	Per Shop Drawings
303	1	Wall/Splash Mount Faucet	T&S Brass	B-0231
304	1	Trash	By Smallwares	By Smallwares
305	3	Wired Shelving	Olympic	Lot
306	5	Wired Shelving	By Owner	By Owner
307	1	Bag N Box Rack	By Vendor	By Vendor
308	1	CO2 Tank	By Vendor	By Vendor
308.1	1	CO2 Tank	By Vendor	By Vendor
309-311	1	Spare Number	- -	- -
311.1	1	Oil Management System	Oil Management System	By Vendor
311.2	1	Oil Management System	Oil Management System	By Vendor
311.3	1	Dipstick	Oil Management System	By Vendor
312	1	Clean Dishtable/3 Compartment Sink	JL Stainless	Per Shop Drawings
313	2	Wall Mounted Shelf	JL Stainless	Per Shop Drawings
314	2	Wire Wall Shelving	Olympic	Lot
315	1	Pre-Rinse Faucet Assembly, with Add on Faucet	T&S Brass	B-0133-ADF14-B
316	1	Dishwasher	By Vendor	By Vendor
317	1	Pre-Rinse Faucet Assembly, with Add on Faucet	T&S Brass	B-0133-ADF10-B
318	1	Soiled Dishtable	JL Stainless	Per Shop Drawings
319-320	1	Spare Number	- -	- -
321	1	Soap & Towel Dispensers	By Smallwares	By Smallwares
322	1	Hand Sink	John Boos	PBHS-W-1410-P-SSLR-X
323	1	Mop Holder	By Smallwares	By Smallwares
324	1	Chemical Distributor	Ecolab	By Vendor
325	1	Wall/Splash Mount Faucet	T&S Brass	B-2492
326	1	Hose Bib	By PC	By PC
327	1	Mop Sink	JL Stainless	Per Shop Drawings
328-330	1	Spare Number	- -	- -
331	2	Employee Lockers	By Owner	By Owner
332-400	1	Spare Number	- -	- -
401	1	Walk-In Cooler Door	Thermalrite	Per Shop Drawings
402	1	Walk-In Freezer Door	Thermalrite	Per Shop Drawings
403	1	Evaporator Coil (Refrigerator)	RDT	Per Shop Drawings
403.1	1	Cooler Condenser	RDT	Per Shop Drawings
404	1	Evaporator Coil (Freezer)	RDT	Per Shop Drawings
404.1	1	Freezer Condenser	RDT	Per Shop Drawings
405	1	Spare Number	- -	- -
406	4	Wire Shelving	By Owner	By Owner
407	4	Mobile Pan Rack	By Owner	By Owner
408	2	Wired Shelving	Olympic	Lot
409	1	Dunnage Rack	Intemetro	HP2236PD-DON/HP2248PD-DON
409.1	1	Dunnage Rack	Intemetro	HP2236PD-DON/HP2248PD-DON
410-501	1	Spare Number	- -	- -
501	1	Nugget Ice Maker	Manitowoc Ice	RNF1100A
501.1	1	Filter System	Manitowoc Ice	AR-20000-P
502	1	Soda Dispenser	By Vendor	By Vendor
503	1	Disposable Cup Dispenser	Vollrath	3V-CCC-A-A-A
504	1	Carbonator	By Vendor	By Vendor
504.1	1	Filter System	By Ecolab	By Ecolab
505	2	Condiment Organizer Bin Rack	Carlisle	381109LG
506	1	Drive-Thru Screen	By Owner	By Owner
507	1	Printer	By Owner	By Owner
508	1	POS	POS System	By Owner
509	1	Wall Mounted Shelf	JL Stainless	Per Shop Drawings
509-510	1	Spare Number	- -	- -
511	1	Trash	By Smallwares	By Smallwares
512	1	Deck Mount Faucet	T&S Brass	B-1141
514	1	Soap & Towel Dispensers	By Smallwares	By Smallwares
515	1	Cup/Lid/Straw Organizer, Wall Mounted	ServSense	By Smallwares
516	1	Spare Number	- -	- -
517	1	Shelving, Wall Mounted	JL Stainless	Per Shop Drawings
518	1	Work Table Cabinet Base	JL Stainless	Per Shop Drawings
519	1	POS Cabinet, Drive-Thru	JL Stainless	Per Shop Drawings
520	1	Undercounter Refrigerator	By Owner	By Owner
521	1	Beverage Counter, Drive-Thru	JL Stainless	Per Shop Drawings
521-600	1	Spare Number	- -	- -
601	1	Garbage/Recycle/Compost Receptacle	By Smallwares	By Smallwares
602	3	Trash Can	By Smallwares	By Smallwares
PS	1	Pull Station	By FSC	PS

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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

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DESIGNER ELT 253.234.9993 cad@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

INDEX OF SHEETS

QF100	Equipment Plan
QF101	Equipment Schedule
QF110	Equipment Utility Schedule
QF111	Equipment Utility Schedule
QF120	General Notes
QF200	Floor Penetration
QF300	Plumbing Spotting
QF301	Plumbing Schedule
QF310	Plumbing Elevations
QF311	Plumbing Elevations
QF400	Electrical Spotting
QF401	Electrical Schedule
QF410	Electrical Elevations
QF411	Electrical Elevations
QF500	Elevations
QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date
1	Revision 1	11.01.23

Equipment Schedule

QF101

LMHT Project No. 23104.00

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BIG CHICKEN - CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: EQUIPMENT SCHEDULE SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. QF101

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Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:56pm

QF101 10:54 AM

THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. DETAILED SHOP DRAWINGS SHOWING EQUIPMENT CONSTRUCTION, LOCATION, UTILITY LOCATIONS, DEMANDS and CONNECTIONS SHALL BE PROVIDED BY EQUIPMENT SUPPLIER AND USED IN CONSTRUCTION. GENERAL CONTRACTOR SHALL COORDINATE THOSE SITE SPECIFIC SHOP DRAWINGS WITH ALL OTHER CONSTRUCTION DOCUMENTS IN THIS COMPLETE SET INCLUDING SIZE AND LOCATION OF ALL UTILITIES. ALL CONSTRUCTION SHALL MEET APPLICABLE REQUIREMENTS OF STATE AND LOCAL CODES.

Equipment Utility Schedule From 101 to 242

Item Number	Qty	Description	Manufacturer	Model	FL Amps	Watts	HP	Volts	Phase	Conn Plug	Electrical RI	Electrical Remarks	Cold Water Size	Cold Water RI	Hot Water Size	Hot Water RI	Filtered Water Size	Indirect Waste Size	Direct Waste Size	Direct Waste RI	Gas Size	Gas Input Btu/h	Gas RI	Plumbing Remarks	Item Number
101	1	Nugget Ice Maker	Manitowoc Ice	RNF1100A	14.2 A		1 1/2	208230 V	1	Direct	84"						3/8"	1/2"						Air-Gap to FS, filtered water from 101.1	101
101.1	1	Filter System	Manitowoc Ice	AR-20000-P									3/8"	28"			3/8"							Filtered water to 101	101.1
102	1	Soda Dispenser	By Vendor	By Vendor				120 V	1	Direct	50"	By Vendor – Verify w/ Vendor						3/4"						Air-Gap to FS, By Vendor – Verify w/ Vendor	102
103	1	Cup/Lid/Straw Organizer	By Smallwares	By Smallwares																					103
104	1	Beverage Dispenser, Electric	Vollrath	VBBE3-37-S	8 A			115 V	1	5-15P	50"														104
105	1	Spare Number	- -	- -																					105
106	5	Condiment Dispenser	Server Products	85783																					106
107	3	Trash	By Smallwares	By Smallwares																					107
108	1	Beverage Cabinet	JL Stainless	Per Shop Drawings														1/2"						Air-Gap to FS	108
109	1	Carbonator	By Vendor	By Vendor	6.5 A	2400 W	1/3	120 V	1	5-15P	12"	By Vendor – Verify w/ Vendor					3/8"							By Vendor – Verify w/ Vendor, filtered water from 109.1	109
109.1	1	Filter System	By Ecolab	By Ecolab									3/8"	28"			3/8"							Filtered water to 109	109.1
110	1	Spare Number	- -	- -																					110
111	1	POS Counter	John Boos	Per Shop Drawings																					111
111.1	1	UC Stainless Steel Cabinet	JL Stainless	Per Shop Drawings																					111.1
111.2	1	UC Stainless Steel Cabinet	JL Stainless	Per Shop Drawings																					111.2
111.3	1	UC Stainless Steel Cabinet	JL Stainless	Per Shop Drawings																					111.3
112	1	Bag Shelf	JL Stainless	Per Shop Drawings																					112
113	1	Heated Holding Shelf	FWE	HHS-210-2248-BC				120 V	1	5-15P	12"														113
114	2	POS Wood Screen	John Boos	Per Shop Drawings																					114
115	1	Spare Number	- -	- -																					115
116	2	POS System	By Owner	By Owner				120 V	1	5-15P	24"	By Owner – Verify w/ Owner													116
117	2	Printer	By Owner	By Owner				120 V	1	5-15P	24"	By Owner – Verify w/ Owner													117
118-119	1	Spare Number	- -	- -																					118-119
120	1	Trash	By Smallwares	By Smallwares																					120
121	1	Work Table	By Owner	By Owner																					121
122	1	Mixer, Drink/Bar	By Owner	By Owner	2.6 A			120 V	1	5-15P	38" /1														122
123	1	Shake Condiment Center	By Smallwares	By Smallwares																					123
124	1	Refrigerator, Undercounter	By Owner	By Owner	2.5 A	288 W	1/6	115 V	1	5-15P	12"														124
125	1	Printer	By Owner	By Owner				120 V	1	5-15P	38"	By Owner – Verify w/ Owner													125
126	1	Cup & Lid Organizer	By Smallwares	By Smallwares																					126
127	1	Soft Serve Machine	Taylor	C708TAD	26 A		1 1/2	208230 V	1		38"														127
128	1	Equipment Stand w/ Casters	JL Stainless	Per Shop Drawings																					128
129	1	Sneezeguard	PMG	FM1V-G																					129
130	1	Wall Cap	JL Stainless	Per Shop Drawings	/1																				130
131-132	1	Spare Number	- -	- -																					131-132
133.1	1	Soap Dispenser	By Smallwares	By Smallwares																					133.1
133.2	1	Towel Dispenser	By Smallwares	By Smallwares																					133.2
134	1	Deck Mount Faucet	T&S Brass	B-1141									1/2"	12"	1/2"	12"									134
135	2	Glove Dispenser	By Smallwares	By Smallwares																					135
136	2	Monitor	By Owner	By Owner				120 V	1	5-15P	56"	By Owner – Verify w/ Owner													136
137	2	Printer	By Owner	By Owner				120 V	1	5-15P	44"	By Owner – Verify w/ Owner													137
138	4	Paper Tray	JL Stainless	Per Shop Drawings																					138
139-140	1	Spare Number	- -	- -																					139-140
141	1	Expo Counter	JL Stainless	Per Shop Drawings															1 1/2"	14"					141
141.1	1	Expo Counter	JL Stainless	Per Shop Drawings																					141.1
142	1	Pass Shelf w/ Stainless Window Trim	JL Stainless	Per Shop Drawings																					142
143-151	1	Spare Number	- -	- -																					143-151
153-200	1	Spare Number	- -	- -																					153-200
201	2	Hand Sink	John Boos	PBHS-W-1410-P-SSLR-X									1/2"	19"	1/2"	19"			1 1/2"	21"					201
202	1	Soap & Towel Dispensers	By Smallwares	By Smallwares																					202
203	2	Work Table	By Owner	By Owner																					203
204	2	Hot Food Well Unit, Drop-In, Electric	Hatco Corporation	HWB-4QT	4.2 A	500 W		120 V	1	Direct	24"														204
205	2	Cheesemelter, Electric	Vollrath	CM2-12020	10 A	1200 W		120 V	1	5-15P	24"														205
206	2	Sandwich/Salad Preparation Refrigerator	By Owner	By Owner	4.5 A		1/4	115 V	1	5-15P	12"	By Owner – Verify w/ Owner													206
207	2	Storage Organizer	JL Stainless	Per Shop Drawings																					207
208-210	1	Spare Number	- -	- -																					208-210
211	2	Monitor	By Owner	By Owner				120 V	1	5-15P	62"	By Owner – Verify w/ Owner													211
212	1	Toaster, Contact Grill, Conveyor Type	Antunes	VCT-1000-9210719	12.5 A	2600 W		208 V	1	6-20P	24"														212
213	3	Trash	By Smallwares	By Smallwares																					213
214	1	Spare Number	- -	- -																					214
215	1	Work Table	JL Stainless	Per Shop Drawings																					215
216-220	1	Spare Number	- -	- -																					216-220
221	1	Reach-In Freezer	Hoshizaki America	F1A-FSL	8.5 A		3/4	115 V	1	5-15P	84"														221
222	1	Work Table	By Owner	By Owner																					222
223	1	Wall Mounted Shelf	JL Stainless	Per Shop Drawings																					223
224	2	Monitor	By Owner	By Owner				120 V	1	5-15P	55"	By Owner – Verify w/ Owner													224
225	1	Fryer Dump Station	Pitco Frialator	PCF14	15.1 A	1820 W		120 V	1	5-20P	12"														225
226	1	Fryer Battery, Gas	Pitco Frialator	SG14RS-2FD	7 A		1/3	115 V	1	5-15P	12"										1"	244000	28"		226
227	1	Work Table	By Owner	By Owner																					227
228	1	Food Pan Warmer, Countertop	Winco	FW-S600	12.5 A	1500 W		120 V	1	5-15P	12"														228
229-230	1	Spare Number	- -	- -																					229-230
231	1	Hood	By Owner	By Owner						Direct	115"	By Owner – Verify w/ Owner, See shop drawings													231
231.1	1	MUA	Existing	Existing						Direct		See shop drawings, Verify existing utilites									3/4"		28"	By Owner - Verify	231.1
231.2	1	Exhaust Fan	Existing	Existing						Direct		By Owner - Verify													231.2
232	1	Griddle	By Owner	By Owner																	3/4"	50000	28"	By Owner – Verify w/ Owner	232
233	1	Equipment Stand, Refrigerated Base	Hoshizaki America	CR36A	2.2 A		1/5	115 V	1	5-15P	12"														233
234	1	Wall Mounted Shelf	JL Stainless	Per Shop Drawings																					234
235	1	Spare Number	- -	- -																					235
236	1	Multiple Fryer System, Gas	Ultrafryer Systems	B-P20-20-2-UCP	8.5 A			120 V	1	5-15P	12"										3/4"	150000	28"		236
237	1	Mega Top Preparation Refrigerator	Hoshizaki	SR60B-24M	6 A		1/3	115 V	1	5-15P	12"														237
238	1	Wall Mounted Shelf	JL Stainless	Per Shop Drawings																					238
239-241	1	Spare Number	- -	- -																					239-241
242	1	Glove Dispenser	By Smallwares	By Smallwares																					242

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BIG CHICKEN

Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

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SHEET SIZE
D size (36"x24")
SCALE: **1/4"=1'0" (UON)**

INDEX OF SHEETS

QF100	Equipment Plan
QF101	Equipment Schedule
QF110	Equipment Utility Schedule
QF111	Equipment Utility Schedule
QF120	General Notes
QF200	Floor Penetration
QF300	Plumbing Spotting
QF301	Plumbing Schedule
QF310	Plumbing Elevations
QF311	Plumbing Elevations
QF400	Electrical Spotting
QF401	Electrical Schedule
QF410	Electrical Elevations
QF411	Electrical Elevations
QF500	Elevations
QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date
1	Revision 1	11.01.23

Equipment Utility Schedule

QF110

11/1/2023 11:25:38 AM

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: EQUIPMENT UTILITY SCHEDULE
SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By

Checked By

Sheet No. QF110

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Plotted By: chudson
Plotted Date: Nov 10, 2023 - 4:05pm

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Equipment Utility Schedule From 243

Item Number	Qty	Description	Manufacturer	Model	FL Amps	Watts	HP	Volts	Phase	Conn Plug	Electrical RI	Electrical Remarks	Cold Water Size	Cold Water RI	Hot Water Size	Hot Water RI	Filtered Water Size	Indirect Waste Size	Direct Waste Size	Direct Waste RI	Gas Size	Gas Input Btu/h	Gas RI	Plumbing Remarks	Item Number
243-300	1	Spare Number	- -	- -																					243-300
301	2	Wall Mounted Shelf	JL Stainless	Per Shop Drawings																					301
302	1	One Comp Prep Sink	JL Stainless	Per Shop Drawings														2"						Air-Gap to FS	302
303	1	Wall/Splash Mount Faucet	T&S Brass	B-0231									1/2"	18"	1/2"	18"									303
304	1	Trash	By Smallwares	By Smallwares																					304
305	3	Wired Shelving	Olympic	Lot																					305
306	5	Wired Shelving	By Owner	By Owner																					306
307	1	Bag N Box Rack	By Vendor	By Vendor																					307
308	1	CO2 Tank	By Vendor	By Vendor																					308
308.1	1	CO2 Tank	By Vendor	By Vendor																					308.1
309-311	1	Spare Number	- -	- -																					309-311
311.1	1	Oil Management System	Oil Management System	By Vendor	20 A			120 V	1	5-15P	84"	By Vendor – Verify w/ Vendor													311.1
311.2	1	Oil Management System	Oil Management System	By Vendor	20 A			120 V	1	5-15P	84"	By Vendor – Verify w/ Vendor													311.2
311.3	1	Dipstick	Oil Management System	By Vendor	20 A			120 V	1	5-15P	24"	By Vendor – Verify w/ Vendor													311.3
312	1	Clean Dishtable/3 Compartment Sink	JL Stainless	Per Shop Drawings														2"						Air-Gap to FS, Waste per code	312
313	2	Wall Mounted Shelf	JL Stainless	Per Shop Drawings																					313
314	2	Wire Wall Shelving	Olympic	Lot																					314
315	1	Pre-Rinse Faucet Assembly, with Add on Faucet	T&S Brass	B-0133-ADF14-B									1/2"	14"	1/2"	14"									315
316	1	Dishwasher	By Vendor	By Vendor				208 V	3	Direct	24"	By Vendor – Verify w/ Vendor, Verify plug connection w/ Vendor	1/2"	66"	1/2"	12"		2"						Air-Gap to FS, By Vendor – Verify w/ Vendor	316
317	1	Pre-Rinse Faucet Assembly, with Add on Faucet	T&S Brass	B-0133-ADF10-B									1/2"	14"	1/2"	14"									317
318	1	Soiled Dishtable	JL Stainless	Per Shop Drawings														2"						Air-Gap to FS	318
319-320	1	Spare Number	- -	- -																					319-320
321	1	Soap & Towel Dispensers	By Smallwares	By Smallwares																					321
322	1	Hand Sink	John Boos	PBHS-W-1410-P-SSLR-X									1/2"	19"	1/2"	19"			1 1/2"	21"					322
323	1	Mop Holder	By Smallwares	By Smallwares																					323
324	1	Chemical Distributor	Ecolab	By Vendor																					324
325	1	Wall/Splash Mount Faucet	T&S Brass	B-2492									1/2"	36"	1/2"	36"									325
326	1	Hose Bib	By PC	By PC									1/2"	36"											326
327	1	Mop Sink	JL Stainless	Per Shop Drawings															3"						327
328-330	1	Spare Number	- -	- -																					328-330
331	2	Employee Lockers	By Owner	By Owner																					331
332-400	1	Spare Number	- -	- -																					332-400
401	1	Walk-In Cooler Door	Thermalrite	Per Shop Drawings						Direct	102"	See shop drawings													401
402	1	Walk-In Freezer Door	Thermalrite	Per Shop Drawings						Direct	102"	See shop drawings													402
403	1	Evaporator Coil (Refrigerator)	RDT	Per Shop Drawings						Direct	80"	See shop drawings						2"						Air-Gap to FS, See shop drawings	403
403.1	1	Cooler Condenser	RDT	Per Shop Drawings						Direct		See shop drawings													403.1
404	1	Evaporator Coil (Freezer)	RDT	Per Shop Drawings						Direct	80"	See shop drawings						2"						Air-Gap to FS, See shop drawings	404
404.1	1	Freezer Condenser	RDT	Per Shop Drawings						Direct		See shop drawings													404.1
405	1	Spare Number	- -	- -																					405
406	4	Wire Shelving	By Owner	By Owner																					406
407	4	Mobile Pan Rack	By Owner	By Owner																					407
408	2	Wired Shelving	Olympic	Lot																					408
409	1	Dunnage Rack	Intemetro	HP2236PD-DON/HP2248PD-DON																					409
409.1	1	Dunnage Rack	Intemetro	HP2236PD-DON/HP2248PD-DON																					409.1
410-501	1	Spare Number	- -	- -																					410-501
501	1	Nugget Ice Maker	Manitowoc Ice	RNF1100A	14.2 A		1 1/2	208230 V	1	Direct	84"						3/8"	1/2"						Air-Gap to FS, filtered water from 501.1	501
501.1	1	Filter System	Manitowoc Ice	AR-20000-P									3/8"	90"			3/8"							Filtered water to 501	501.1
502	1	Soda Dispenser	By Vendor	By Vendor				120 V	1	Direct	50"	By Vendor – Verify w/ Vendor						3/4"						Air-Gap to FS, By Vendor – Verify w/ Vendor	502
503	1	Disposable Cup Dispenser	Vollrath	3V-CCC-A-A-A																					503
504	1	Carbonator	By Vendor	By Vendor	6.5 A	2400 W	1/3	120 V	1	5-15P	84"						3/8"							By Vendor – Verify w/ Vendor, filtered water from 504.1	504
504.1	1	Filter System	By Ecolab	By Ecolab									3/8"	90"			3/8"							Filtered water to 504	504.1
505	2	Condiment Organizer Bin Rack	Carlisle	381109LG																					505
506	1	Drive-Thru Screen	By Owner	By Owner	5 A			120 V	1	5-15P	60"	By Owner – Verify w/ Owner													506
507	1	Printer	By Owner	By Owner				120 V	1	5-15P	44"	By Owner – Verify w/ Owner													507
508	1	POS	POS System	By Owner				120 V	1	5-15P	44"	By Owner – Verify w/ Owner													508
509	1	Wall Mounted Shelf	JL Stainless	Per Shop Drawings																					509
509-510	1	Spare Number	- -	- -																					509-510
511	1	Trash	By Smallwares	By Smallwares																					511
512	1	Deck Mount Faucet	T&S Brass	B-1141									1/2"	19"	1/2"	19"									512
514	1	Soap & Towel Dispensers	By Smallwares	By Smallwares																					514
515	1	Cup/Lid/Straw Organizer, Wall Mounted	ServSense	By Smallwares																					515
516	1	Spare Number	- -	- -																					516
517	1	Shelving, Wall Mounted	JL Stainless	Per Shop Drawings																					517
518	1	Work Table Cabinet Base	JL Stainless	Per Shop Drawings																					518
519	1	POS Cabinet, Drive-Thru	JL Stainless	Per Shop Drawings															1 1/2"	21"				Air-Gap to FS	519
520	1	Undercounter Refrigerator	By Owner	By Owner	6.3 A		1/5	115 V	1	5-15P	12"	By Owner – Verify w/ Owner													520
521	1	Beverage Counter, Drive-Thru	JL Stainless	Per Shop Drawings														1/2"						Air-Gap to FS	521
521-600	1	Spare Number	- -	- -																					521-600
601	1	Garbage/Recycle/Compost Receptacle	By Smallwares	By Smallwares																					601
602	3	Trash Can	By Smallwares	By Smallwares																					602
C50	3	Duplex Convenience Outlet	By EC	--	16 A	2000 W		120 V	1	5-20R	50"														C50
C55	2	Duplex Convenience Outlet	By EC	--	16 A	2000 W		120 V	1	5-20R	55"														C55
C60	1	Duplex Convenience Outlet	By EC	--	16 A	2000 W		120 V	1	5-20R	60"														C60
PS	1	Pull Station	By FSC	PS				120 V	1	Direct	48"	Final connection by fire safety contractor													PS
QCO	1	Quadplex Convenience Outlet	By EC	--	16 A	2000 W		120 V	1	5-20R	84"														QCO

SMITH AND GREENE
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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

DESIGNER: ELT — 253.234.9993 — cad@smithandgreene.com
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SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

INDEX OF SHEETS

QF100	Equipment Plan
QF101	Equipment Schedule
QF110	Equipment Utility Schedule
QF111	Equipment Utility Schedule
QF120	General Notes
QF200	Floor Penetration
QF300	Plumbing Spotting
QF301	Plumbing Schedule
QF310	Plumbing Elevations
QF311	Plumbing Elevations
QF400	Electrical Spotting
QF401	Electrical Schedule
QF410	Electrical Elevations
QF411	Electrical Elevations
QF500	Elevations
QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date

Equipment Utility Schedule

QF111

LMHT Project No. 23104.00

SHOP DRAWINGS FOR REFERENCE ONLY

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BIG CHICKEN - CONVERSION

Location: 176 NW CENTURION CT, LAKE CITY, FLORIDA 32055

Drawing: EQUIPMENT UTILITY SCHEDULE
SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By

Checked By

Sheet No. QF111

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5800\QF111v3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:06pm

QF111 11:26:02 AM

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GENERAL CONTRACTOR NOTES:

1. General Contractor to cut and provide holes through ceiling, roofs, walls, and floors for ducts, refrig. lines, etc. in accordance with local fire and building codes and in accordance with duct sizes specified.General Contractor to provide the resealing of all holes (including the "mopping-in" of fan curbs and roof jacks.) General Contractor to provide all duct fire separation enclosures, wrappings, etc. as may be required by local building and fire codes.(See Notes Below)
2. General Contractor to provide all duct chases/shafts from hood to Fan, sized and constructed, conforming to jurisdictional codes.
3. Where noise or vibration producing equipment (dish machine, disposer, etc.) is located adjacent to dining areas and/or any public areas, provisions should be made by the General Contractor to sound proof common walls.
4. All roof curb and roof jacks to be provided, located and installed by GC including resealing of roof and roof penetrations.
5. "QF-XXX" drawings are provided for the sole purprcose of locating equipment requirements only and do not relieve the General Contractor or Subcontractor of the responsibility of complying with all applicable codes.Please see Architect's drawings for all other requirements and codes.
6. It is the responsibility of the Owner, Architect and/or General Contractor to inform the KEC in writing of any and all changes and all addendums to plans which are made prior to and during construction. KEC assumes no responsibility for equipment deviations of size and/or utilities from lack of this information.The Owner will be responsible for all cost incurred by failure to give KEC notice of changes.
7. Last dated revisions void all previous plans.
8. Sleeves and conduits to be provided by GC in walls, floors, and ceiling for lines (drains,refrigeration,beverage, fire suppression, etc.) to pass through and G.C. to reseal after lines are run. All conduit to meet local codes - see detail on sheet QF800.
9. General Contractor to provide access to hoods at area above hoods for mounting of hood supports. If access is not provided, General Contractor to provide hood supports. All roof curb and jacks to be provided, located and installed by GC, including resealing of roof and roof penetrations. General Contractor to provide structurally engineered support for all equipment hanging from ceiling.
10. General Contractor to provide sprinkler heads in walk-in boxes if required and to adequately protect against freezing.
11. Provide door wall openings and or passages to assure access for all kitchen equipment and front end items. Coordinate sizes with KEC Removal of window glass, window frames, doors and door frames and center post for entry of equipment shall be the responsibility of the General Contractor and at no expense to KEC if necessary.
12. General Contractor to provide and install all wall backing per location by KEC.
13. All dimensions shown are measured from guidelines, finished walls, floors, ceilings, and/or column to center lines of studs or outlets. Allowance shall be made for miscellaneous obstructions, structures, venting, electrical, plumbing, and thickness of finishes when framing and/or roughing-in as required.
14. When equipment is noted as existing it is the responsiblity of respective trade to confirm existing utility requirements.
15. When equipment is noted by vendor, utility requirements should be verified by respective trades to confirm utility requirements.
16. General Contractor shall keep the working area free from debris of all kinds, and shall remove all rubbish resulting from the work being done by them. When the work is completed, contractor shall leave the premises in a clean and finished condition. General Contractor to provide waste container at job site for KEC.
17. Provide walk-in refrigerator/freezer depressions, if required. Refer to shop drawings.
18. General Contractor to provide enclosures from top of walk-in to ceiling, if required.
19. Provide coved base-molding or coved integral floor material at all vertical surfaces for kitchen and food prep floors, per jusridictional code.
20. All metal curbs included with equipment shall be sealed and water proofed to floor, tiled and /or sealed to equipment by GC. Cove base and interior cove in walk-in boxes to be provided by GC unless otherwise specified by KEC.
21. Provide minimum 20 foot candles of light in all food preparation and storage areas.
22. Walls and ceilings of food preparation and storage shall be smooth, washable, light in color.

PLUMBING CONTRACTOR NOTES:

1. All rough-ins related to foodservice equipment only. Please see architectural/engineering plans for additional plumbing requirements and codes.
2. Final connections to all equipment to be by Plumbing Contractor. all required tubing, misc. fittings, traps, etc., shall be supplied by the plumbing contractor unless otherwise specified.
3. Water quality requirement. The recommended minimum water quality standards whether untreated or pretreated, based upon 10 hours of use per day, and a daily blow-down, are as follows:
   a. Total dissolved solids – less than 300 parts per million
   b. Total alkalinity – less than 85 parts per million
   c. Silica – less than 13 parts per million
   d. pH Factor – Greater than 7.5
4. Plumbing Contractor to verify all plumbing rough-ins and location with owner, vendor, or GC on existing equipment or other equipment not provided by KEC.
5. Plumbing Contractor to furnish and install the following as per jurisdictional code:
   a. All water, waste, gas, and steam service to point of rough-in as shown on plan. Rough-in outlets to stub 4" out of walls at height indicated from finished floor to center line of outlet.
   b. Pressure reducing and/or regulating valves for dishwashers, booster heaters, and as otherwise noted, in kitchen areas.
   c. All floor sinks, complete with top grates, and removable sediment bucket set flush with finished floor, unless noted or as per local code.
   d. All waste lines, direct and indirect, except as noted, shall be pitched downward. All waste lines shall have adequate clean-out provisions.
   e. Indirect waste lines for walk-in refrigerated/freezers, pitched 1/4" per 12" (minimum) and with a "P" trap at end over floor sink as required by jurisdictional code.
   f. Heater tape, with 35 watts per lineal foot of drain line, and insulation of all drain lines inside freezer compartments.
   g. Install in an accessible location the fire control gas shut-off valve as supplied by Fire Protection System Supplier if gas cooking equipment is used.
   h. Vacuum breakers as required.
   i. Installation of all steam, hot water and condensate lines in kitchen.
   j. Clean-out valves for steam condensate and air lines.
   k. All piping condensate and drain lines, to and from equipment, must be kept a minimum of (6") above finished floor to allow for cleaning or prevailing jurisdicitonal code.
   l. In-line water filters are recommended for the following equipment (water filter by PC unless otherwise noted):

      -Soda Systems
      -Ice Machines
      -Steam Equipment
6. Plumbing Contractor to interconnect dish machine with booster heater and water-type ventilators with control panels as per manufacturer's instruction, when applicable and noted.
7. All lines routed through equipment shall not interfere with intended use.
8. All line routes shall not Interfere with sevicing of equipment.
9. All vent pipes are to be concealed in walls and column chases.
10. Plumbing Contractor is responsible for interconnection between steam equipment and steam generator.
11. Grease trap to be specified and located by Mechanical Engineer and provided and installed by Mechanical or Plumbing Contractor, if required.
12. All plumbing locations are shown at optimum spots. Utilize all existing services where applicable.
13. All plumbing to be concealed within walls where possible.
14. Hot water heater to provide a minimum of 140 degree water to all kitchen equipment.
15. All dimensions shown are measured from grid lines, finished calls, floors ceilings and/or column to center lines of stubs or outlets.The plumbing contractor shall make allowanced for miscellaneous obstructions such as piping mains, electrical components, structures, venting and thickness of finishes when roughing-in as required.
16. All faucets and/or disposers located on foodservice plan shall be provided loose by KEC and installed by Plumbing Contractor, unless otherwise agreed upon.
17. Hand sinks are to be mounted by KEC/GC (unless otherwise noted) and connected by Plumbing Contractor.
18. These drawings are not to be considered architectural drawings. The data shown on these drawings are reasonably accurate. Exact locations, distances, heights, and levels will be governed by the building and/or field conditions.
19. All work shall comply with the latest jurisdictional codes and all applicable amendments.
20. Where stubbing up out of a floor, piping shall extend a minimum 6" above the finished floor or curb.
21. Hose reel control box to connect in or through valve compartment, Contractor shall stub-up into valve compartment at height indicated on rough-in plan, cap their work and make final connections after equipment is in place.

ELECTRICAL CONTRACTOR NOTES:

1. The electrical specifications and connections shown on these plans are for foodservice equipment requirements only. It is the responsibility of the Electrical Contractor to consult the Architect's, Mechanical Engineer's, and/or General Contractor's plans and Owner for further building electrical requirements.
2. Access areas and cut-ins on custom and buy-out equipment and fixtures shall be provided by the KEC as required for proper installation of electrical outlets, junction boxes, home runs, etc. The Electrical Contractor shall provide and install shields and extension boxes as required.
3. The Electrical Contractor shall connect all compressors and provide fused disconnects, magnetic starters, and thermos overload protection as required.
4. Vapor proof light fixtures for exhaust hoods shall be furnished by the hood supplier. The Electrical Contractor shall supply and install pull boxes, conduit, wire, bulbs, etc. Provide and connect to a wall mounted switch located per plans, if required.
5. It shall be the responsibility of the Electrical Contractor to interconnect and install light fixtures (provided loose by KEC) as required. Electrical Contractor to supply, install, and connect all drain lines heater tape.
6. Electrical Contractor to interconnect the remote refrigeration compressor, evaporator, T-stat, solenoid, and defrost timer (all controls) where required.
7. All electrical materials including wiring, fuses, conduit, switches, disconnects, magnetic starters, thermos-overload protectors, transformers, electrical panels, cords, plugs, GFCI receptacles,bulbs, etc. shall be supplied by the Electrical Contractor unless specified in these plans or in writing by the KEC.
8. It shall be the responsibility of the Electrical Contractor to provide waterproof power outlet(s) on the roof for exhaust system fan(s) make-up air fan(s) and refrigeration system(s) as required. Low voltage (or common voltage) wiring shall also be supplied and installed by the Electrical Contractor when necessary to control and interconnect the above systems.
9. The Electrical Contractor shall furnish and install any and all electrical connections as required by applicable codes and ordinances.
10. All dimensions shown on these plans are measured from finished walls, floors, ceilings, and/or column center lines or grid lines to enter lines of outlets and pull boxes. The Electrical Contractor shall make allowances for finishes when roughing-in as required.
11. The Electrical Contractor shall provide and install element contact or relay shut-offs (shunt trip) and/or solenoid shut-off valve and interconnect with the fire suppression system for the cooking equipment, to shut off all equipment automatically in case of fire. Verify with local codes for shut-down of exhaust fan(s) and/or make-up air fan(s) requirements.
12. All 115/120 volt convenience outlets not designated with specific loads are to be rated 20.0 amps. Electrical Contractor is to confirm any additional outlets as requested by Architect, Owner and/or General Contractor. GFCI as required by code.
13. Electrical Contractor to provide caps and cords for all equipment where caps and cords are not standard from manufacturer.
14. Internal wiring and plumbing of fabricated fixtures shall be by the Electrical and/or Plumbing Contractors.
15. Electrical Contractor to provide temporary power to food service equipment contractors' installers, as required.
16. All receptacles and junction boxes to be flushed mounted in walls with stainless steel cover plates, unless noted otherwise. No exposed conduit. Contractors are to provide minimum wall furring if required. Outlets are dimensioned on-center.
17. Where applicable, Electrical Contractor to provide conduit, wiring, install electrical components, and interwire, between the following:
   a. Control panels to ventilators and exhaust/supply fans per manufacturer's instructions
   b. Kitchen exhaust hood/ventilators to fire control system and hood controls
   c. Kitchen printers, POS, and monitors as required
   d. Sneeze guard lighting
   e. Module counters and components or equipment mounted on counters
   f. Heat lamps are to be connected through remote controls, pilot lights, etc.
   g. Air curtain and micro switch(s)
18. Electrical Contractor to provide and install all light bulbs for fixtures, where applicable.
19. All symbols for outlet on walls are indicated at the specific height. Height of outlet is given from finished floor to center-line of outlet.
20. These drawings are not to be considered architectural drawings, the data shown on these drawings are reasonably accurate. Exact locations, distances, heights, and levels will be governed by the building and/or field conditions.
21. All work shall comply with the latest jurisdictional codes and all applicable amendments.
22. Where stubbing up out of the floor, conduit shall extend a minimum of 8" above the finished floor or curb.
23. Electrical Contractor shall pack and seal all exposed J-Box and conduit on walk-in coolers and freezers to prevent internal condensation.
24. Electrical Contractor shall furnish hexagon boxes for fire suppression system pull stations at 48"AFF as specified by Fire Safety Inspector.

VENTILATION NOTES:

1. Mechanical Contractor to provide fans, duct work, (all welding of hood and duct required) controls, duct collar, final connection(s), hanging of hoods, permits and make-up air equipment, unless otherwise noted. Any seismic engineering required will be supplied by Mechanical Contractor.In Conditions of high deck (exceeding 4ft) GC to provide structural scaffolding to hang hood below at correct height.
2. Mechanical Contractor to balance exhaust system.
3. All duct collars, cut-outs and penetrations in hoods to be located and provided by Mechanical Contractor in field.

REFRIGERATION CONTRACTOR NOTES:

1. Refrigeration lines to be installed and protected from damage.
2. Refrigeration Contractor to be responsible for locating and setting in place remote compressors, verify location with applicable parties.
3. Refrigeration Contractor to be responsible for all applicable permiting required by local juridiction.

FIRE PROTECTION SYSTEM NOTES:

1. Where indicated on drawings, dry or liquid chemical system shall be provided to protect all cooking exhaust hoods, ducts, and cooking appliance against fire and re-flash by a fire control system. The size and number of systems shall be in conformance with N.F.P.A. pamphlet 96, and local and state codes. The system shall be installed by authorized installers.
2. The system shall be automatic actuated or be manually operable at the nozzle release and a remote manual pull operator shall be located as shown on the electrical rough-in drawing. Actuation of the system shall provide automatic gas and/or electric fuel line cut-off.
3. Electrically controlled or manually controlled gas solenoid valve shall be installed by the Plumbing Contractor. The Electrical Contractor shall furnish and install line voltage wiring and conduit from cut-off relay to solenoid valve and connect cut-off relay and solenoid valve as required.
4. Electrical cooking equipment shall be shut-off at the electrical panel by means of shunt trips. Electrical Contractor shall furnish and install shunt trips, line voltage wiring and conduit from fire protecting micro-switch, or equivalent, to panels, to meet all local codes.
5. All hand held fire extinguishers to be provided by General Contractor.
6. All tie-ins to fire safety systems to be the responsibility of Electrical Contractor.

MASONRY CONTRACTOR NOTES:

1. All curb dimensions are finished dimensions. Verify face and top finish (where curb is exposed) with Architect, General Contractor and Owner.
2. All curb heights to be taken from finished floor to top of finished curb.
3. All curb dimensions are taken from finished wall to face of finished curb, or from finished face of curb to finished face of curb.
4. Provide a 3/4" radius cove where finished face of curb intersects the finished floor.
5. See plumbing plan(s) for exact location of floor sinks and floor drains. Verify with Plumbing Contractor.
6. Do not scale drawings - use written dimensions shown on "QF-XXX" plans.

FOODSERVICE NOTES:

1. All foodservice equipment and fixtures furnished and installed shall be as approved by the National Sanitation Foundation (NSF) or as approved by local environmental health authorities.
2. Conduits for refrigeration, beverage, and soda lines are not the responsibility of the foodservice equipment contractor, but are to be supplied and installed by other.
3. KEC contractor is responsible for sealing any fixtures to wall and closure panels.
4. All equipment is to be properly leveled and pinned to floor as required.

ABBREVIATIONS:

ABV	Above
AFF	Above Finished Floor
ARCH	Architect(ural)
AVG	Average
BEL	Below
BTU/H	British Thermal Units per Hour
CL	Center Line
CLR	Clear(ance)
CNTR	Counter
COL	Column
CONN	Connect(or) (ion)
CSWK	Casework
CNR	Center
CW	Cold Water
DBL	Double
DEMO	Demolition
DFA	Drop From Above
DIM	Dimension
DN	Down
DWG	Drawing
DWR	Drawer
E	East
EC	Electrical Contractor
ELEC	Elecctrical
ELEV	Elevation
ENTR	Entrance
EP	Electrical Panel
EQ	Equipment
EXG	Existing
EXH	Exhaust
EXT	Exterior
FAB	Fabrication / Fabricator
FD	Floor Drain
FE	Fire Extinguisher
FIN	Finish
FL	Full Load
FLR	Floor
FO	Face Of
FSC	Fire Safety Contractor
FT	Foot, Feet
GA	Gauge
GALV	Galvanized
GC	General Contractor
GFIC	Ground Fault Circuit Interrupter
GYP	Gypsum Board
HGT	Height
HORZ	Horizontal
HP	Horse Power
HTR	Heater
HW	Hot Water
IN	Inch
INT	Interior
JAN	Janitorial
JB	Junction Box
KEC	Kitchen Equipment Company
LAV	Lavatory
LDR	Leader
LT	Light
M	Meter
MISC	Miscellaneous
MM	Millimeter
MOD	Modular
MT	Mount
N	North
NIC	Not In Contract
NTS	Not To Scale
NUM	Number
OPP	Opposite
OVHD	Overhead
OZ	Ounce
PC	Plumbing Contractor
PERF	Perforate(d)
PERIM	Perimeter
PERP	Perpendicular
PLAM	Plastic Laminate
POS	Point of Sales
PTR	Printer
QTR	Quarter
QTY	Quantity
RCPT	Receptacle
REFR	Refrigerator
REINE	Reinforcing(ment)
REQD	Required
RM	Room
S	South
SAN	Sanitation
SCHD	Schedule
SECT	Section
SF	Square Foot
SHT	Sheet
SLV	Sleeve
SPEC	Specification(s)
SQ	Square
STD	Standard
STL	Steel
STOR	Storage
SUSP	Suspended
TEMP	Temperature
THRU	Through
TO	Top Of
TV	Television
TYP	Typical
UON	Unless Otherwise Noted
UTIL	Utility
VBFM	Verify By Field Measurement
VEN	Vendor
VENT	Ventilating
VERT	Vertical
VOL	Volume
W	West
W/	With
W/O	Without
WD	Wood
YD	Yard

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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

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AL — 808.347.3585 — amelial@smithandgreene.com
ELT — DESIGNER — 253.234.9993 — cad@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

INDEX OF SHEETS

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QF101	Equipment Schedule
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QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date

General Notes

QF120

1/1/2023 11:24:06 AM

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: GENERAL NOTES SHOP DRAWING

Revisions

CONCEPT APPROVAL	10.06.2023
3 TENANT CHANGE.	11.03.2023

PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. QF120

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_58920\QF120r3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:07pm

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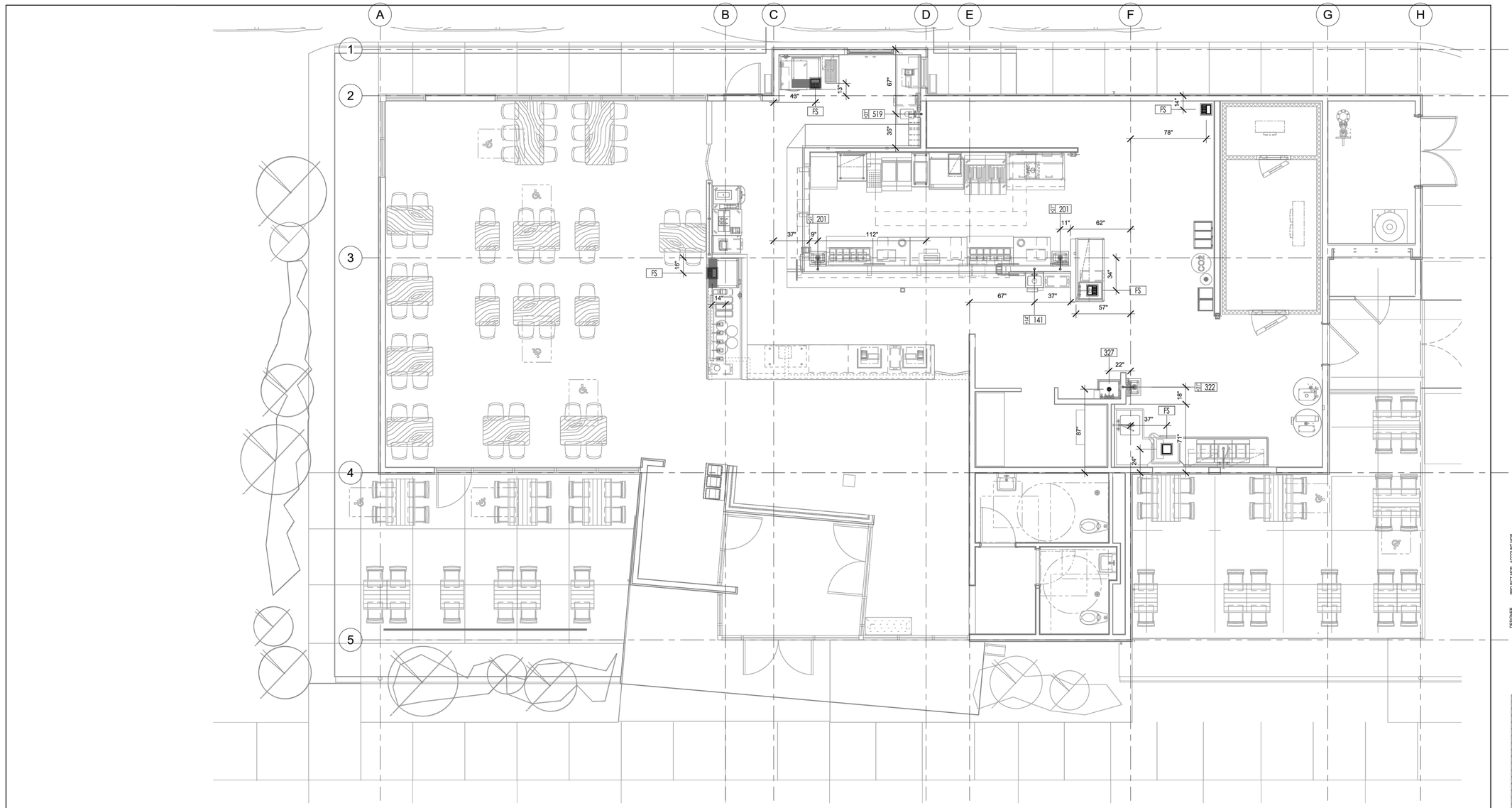

Penetration Spotting
1/4" = 1'-0"

Penetration Schedule

Item Number	Count	Equipment Description	Description	Penetration Size	Penetration Rl
141	1	Expo Counter	Direct Drain	1 1/2"	14"
201	1	Hand Sink	Direct Drain	1 1/2"	21"
201	1	Hand Sink	Direct Drain	1 1/2"	21"
322	1	Hand Sink	Direct Drain	1 1/2"	21"
327	1	Mop Sink	Penetration Drain	3"	0"
519	1	POS Cabinet, Drive-Thru	Direct Drain	1 1/2"	21"
FS	1	Floor Sink Half Grate	Floor Sink	3"	-7"
FS	1	Floor Sink Open Grate	Floor Sink	4"	-7"
FS	1	Floor Sink Half Grate	Floor Sink	3"	-7"
FS	1	Floor Sink Half Grate	Floor Sink	3"	-7"
FS	1	Floor Sink Half Grate	Floor Sink	3"	-7"

NOTE: FLOOR SINKS BY PC. PC TO VERIFY QTY, SIZE, AND LOCATIONS.

PENETRATION LEGEND

Plan	Elevation	Description
E	E	Electrical Stub-Up
G	G	Gas Line Stub-Up
W	W	Water Stub-Up
B	B	Beverage Stub-Up
		In Wall Direct Drain
		Fixture Drain
		Floor Drain Round & Square
		Funnel Floor Drain
		Floor Sink; 1/2 Grate, 3/4 Grate, Open Grate &

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BIG CHICKEN

Big Chicken - Lake City, FL
176 NW Centurion Ct
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Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List	
# Description	Date

Floor Penetration

QF200

11/1/2023 11:26:11 AM

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: FLOOR PENETRATION
SHOP DRAWING

BIG CHICKEN

Revisions

CONCEPT APPROVAL
10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By

Checked By

Sheet No.
QF200

3

Drawing File: C:\Users\chudson\appdata\local\Temp\AcPublish_5800\QF200-3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 – 4:07pm

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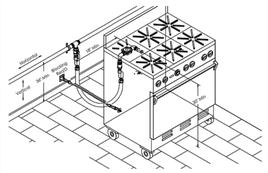
GAS CONNECTION DETAIL

THE INSTALLATION SHOWN ON THIS DRAWING IS FOR THE EZPRESS PURPOSE OF PROVIDING INSTALLATION GUIDLINES ONLY. THE FINAL INSTALLATION APPROVAL IS THE RESPONSIBILITY OF THE SYSTEM DESIGNER/INSTALLER

TYPICAL INSTALLATION FOR A CASTER MOUNTED RANGE (CAN BE USED TO SPECIFY CONNECTOR FOR A RANGE WITH ANY NUMBER OF BURNERS).

INSTALLER MUST VERIFY THE SIZE OF THE GAS CONNECTION TO MATCH EQUIPMENT SUPPLY INLET AND EQUIPMENT MANUFACTURER'S RECOMMENDED BTU'S FOR PEAK PERFORMANCE


6" MIN
36" MIN
6" MIN
6" MIN
6

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Plumbing Schedule

Item Number	Count	Equipment Description	Connection Description	Cold Water Size	Cold Water RI	Hot Water Size	Hot Water RI	Filtered Wate Size	Indirect Waste Size	Direct Waste Size	Direct Waste RI	Gas Size	Gas Input Btu/h	Gas RI	Plumbing Remarks	Item Number
101	1	Nugget Ice Maker	Filtered Water					3/8"							Filtered water from 101.1	101
101	1	Nugget Ice Maker	Fixture Drain Indirect						1/2"						Air-Gap to FS	101
101.1	1	Filter System	Cold Water Stub	3/8"	28"										Filtered water to 101	101.1
101.1	1	Filter System	Filtered Water					3/8"							Filtered water to 101	101.1
102	1	Soda Dispenser	Fixture Drain Indirect						3/4"						Air-Gap to FS, By Vendor – Verify w/ Vendor	102
108	1	Beverage Cabinet	Fixture Drain Indirect						1/2"						Air-Gap to FS	108
108	1	Beverage Cabinet	Fixture Drain Indirect						1/2"						Air-Gap to FS	108
109	1	Carbonator	Filtered Water					3/8"							By Vendor – Verify w/ Vendor, filtered water from 109.1	109
109.1	1	Filter System	Cold Water Stub	3/8"	28"										Filtered water to 109	109.1
109.1	1	Filter System	Filtered Water					3/8"							Filtered water to 109	109.1
134	1	Deck Mount Faucet	Hot & Cold 4"	1/2"	12"	1/2"	12"									134
141	1	Expo Counter	Direct Drain							1 1/2"	14"					141
201	1	Hand Sink	Hot & Cold 4"	1/2"	19"	1/2"	19"									201
201	1	Hand Sink	Direct Drain							1 1/2"	21"					201
201	1	Hand Sink	Hot & Cold 4"	1/2"	19"	1/2"	19"									201
201	1	Hand Sink	Direct Drain							1 1/2"	21"					201
226	1	Fryer Battery, Gas	Gas Supply									1"	244000	28"		226
231.1	1	MUA	Gas Connection Point									28"		28"	By Owner - Verify	231.1
232	1	Griddle	Gas Supply									3/4"	50000	28"	By Owner – Verify w/ Owner	232
236	1	Multiple Fryer System, Gas	Gas Supply									3/4"	150000	28"		236
302	1	One Comp Prep Sink	Fixture Drain Indirect						2"						Air-Gap to FS	302
303	1	Wall/Splash Mount Faucet	Hot & Cold 8"	1/2"	18"	1/2"	18"									303
312	1	Clean Dishtable/3 Compartment Sink	Fixture Drain Indirect						2"						Air-Gap to FS	312
312	1	Clean Dishtable/3 Compartment Sink	Fixture Drain Indirect						2"						Air-Gap to FS	312
312	1	Clean Dishtable/3 Compartment Sink	Fixture Drain Indirect						2"						Air-Gap to FS	312
315	1	Pre-Rinse Faucet Assembly, with Add on Faucet	Hot & Cold 8"	1/2"	14"	1/2"	14"									315
316	1	Dishwasher	Hot Water Stub			1/2"	12"								By Vendor – Verify w/ Vendor	316
316	1	Dishwasher	Fixture Drain Indirect						2"						Air-Gap to FS, By Vendor – Verify w/ Vendor	316
316	1	Dishwasher	Cold Water Stub	1/2"	66"										By Vendor – Verify w/ Vendor	316
317	1	Pre-Rinse Faucet Assembly, with Add on Faucet	Hot & Cold 8"	1/2"	14"	1/2"	14"									317
318	1	Soiled Dishtable	Fixture Drain Indirect						2"						Air-Gap to FS	318
322	1	Hand Sink	Hot & Cold 4"	1/2"	19"	1/2"	19"									322
322	1	Hand Sink	Direct Drain							1 1/2"	21"					322
325	1	Wall/Splash Mount Faucet	Hot & Cold 8"	1/2"	36"	1/2"	36"									325
326	1	Hose Bib	Cold Water Stub	1/2"	36"											326
327	1	Mop Sink	Penetration Drain							3"						327
403	1	Evaporator Coil (Refrigerator)	Fixture Drain						2"						Air-Gap to FS, See shop drawings	403
404	1	Evaporator Coil (Freezer)	Fixture Drain						2"						Air-Gap to FS, See shop drawings	404
501	1	Nugget Ice Maker	Filtered Water					3/8"							Filtered water from 501.1	501
501	1	Nugget Ice Maker	Fixture Drain Indirect						1/2"						Air-Gap to FS	501
501.1	1	Filter System	Cold Water Stub	3/8"	90"										Filtered water to 501	501.1
501.1	1	Filter System	Filtered Water					3/8"							Filtered water to 501	501.1
502	1	Soda Dispenser	Fixture Drain Indirect						3/4"						Air-Gap to FS, By Vendor – Verify w/ Vendor	502
504	1	Carbonator	Filtered Water					3/8"							By Vendor – Verify w/ Vendor, filtered water from 504.1	504
504.1	1	Filter System	Cold Water Stub	3/8"	90"										Filtered water to 504	504.1
504.1	1	Filter System	Filtered Water					3/8"							Filtered water to 504	504.1
512	1	Deck Mount Faucet	Hot & Cold 4"	1/2"	19"	1/2"	19"									512
519	1	POS Cabinet, Drive-Thru	Direct Drain							1 1/2"	21"					519
521	1	Beverage Counter, Drive-Thru	Fixture Drain Indirect						1/2"						Air-Gap to FS	521

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Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List	
# Description	Date

Plumbing Schedule

QF301

11/1/2023 11:26:19 AM

NATIONAL RESTAURANT DESIGNERS
A DIVISION OF LMHT ASSOCIATES
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RALEIGH, NC 27617
phone: 919.544.0087 fax: 919.544.9399

LMHT Project No. 23104.00

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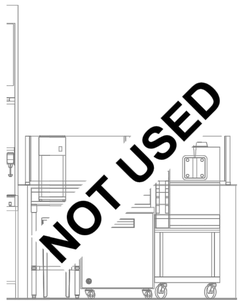
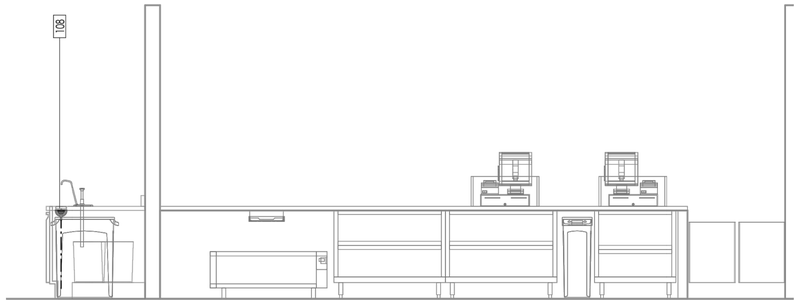


Elevation 1 - Plumbing
1/2" = 1'-0"



Elevation 2 - Plumbing
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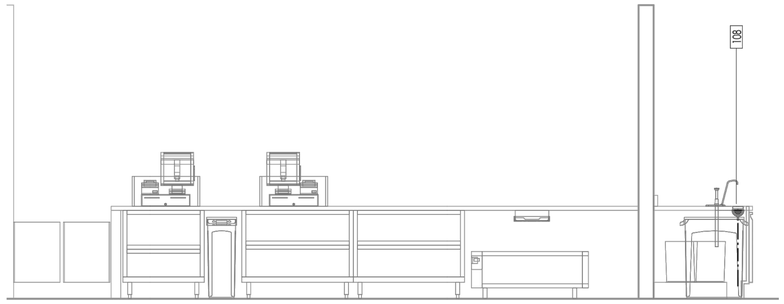
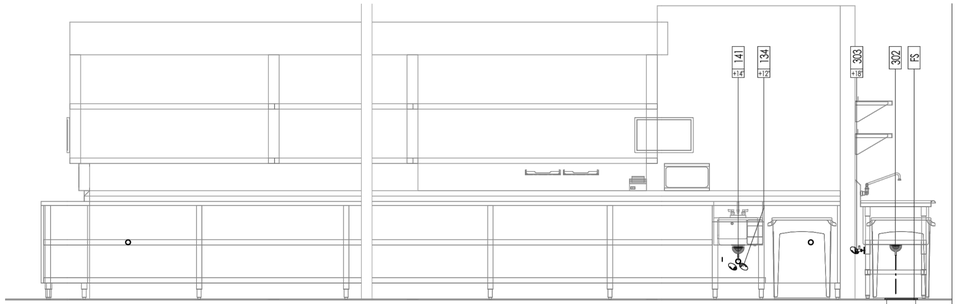
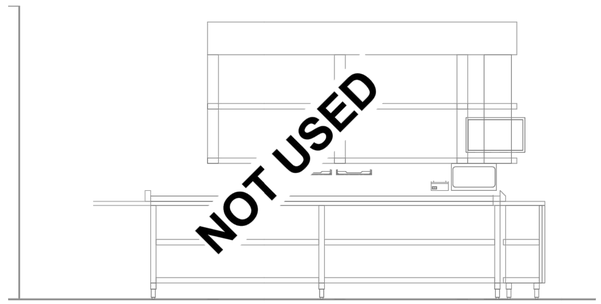


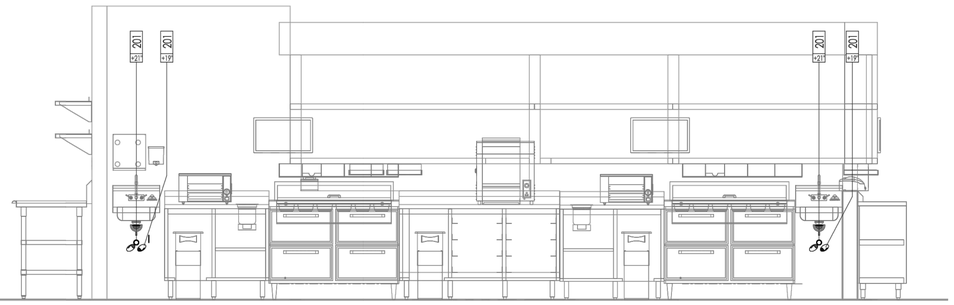
Elevation 3 - Plumbing
1/2" = 1'-0"



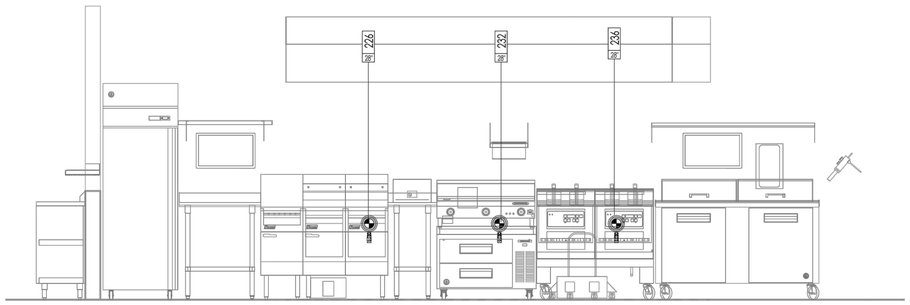
Elevation 4 - Plumbing
1/2" = 1'-0"



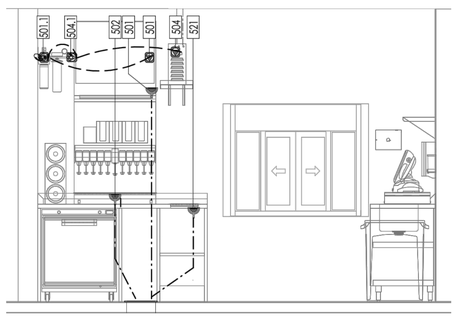
Elevation 5 - Plumbing
1/2" = 1'-0"



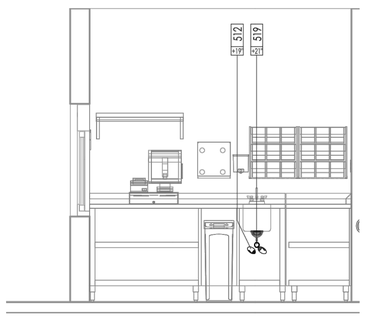
Elevation 6 - Plumbing
1/2" = 1'-0"



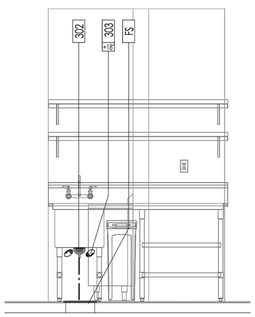
Elevation 7 - Plumbing
1/2" = 1'-0"



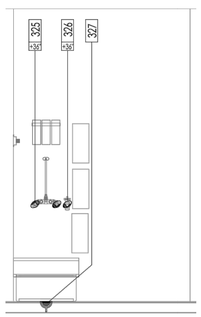
Elevation 8 - Plumbing
1/2" = 1'-0"



Elevation 9 - Plumbing
1/2" = 1'-0"



Elevation 10 - Plumbing
1/2" = 1'-0"



Elevation 11 - Plumbing
1/2" = 1'-0"

SMITH AND GREENE
A DIVISION OF
EDWARD DON & COMPANY
FOOD SERVICE EQUIPMENT AND DESIGN
821 8TH ST. SW SUITE D AUBURN, WA 98001
don.com | 800.232.8050
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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

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DESIGNER
ELT
253.234.9993 cadl@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

INDEX OF SHEETS

QF100	Equipment Plan
QF101	Equipment Schedule
QF110	Equipment Utility Schedule
QF111	Equipment Utility Schedule
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QF200	Floor Penetration
QF300	Plumbing Spotting
QF301	Plumbing Schedule
QF310	Plumbing Elevations
QF311	Plumbing Elevations
QF400	Electrical Spotting
QF401	Electrical Schedule
QF410	Electrical Elevations
QF411	Electrical Elevations
QF500	Elevations
QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List	
#	Description / Date

Plumbing Elevations

QF310

3 11/1/2023 11:26:25 AM

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: PLUMBING ELEVATIONS SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. QF310

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5800\QF310v3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:07pm

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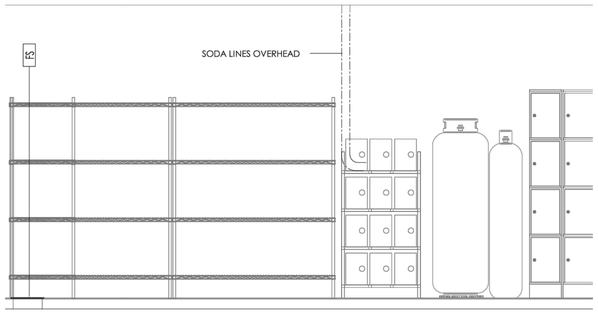
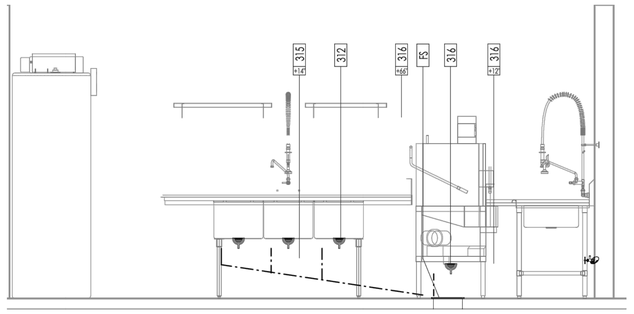
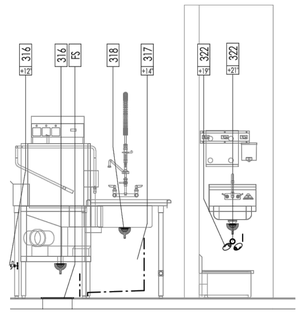


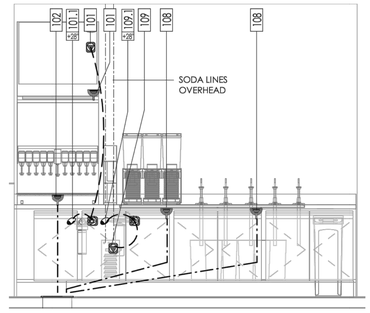
Elevation 12 - Plumbing
1/2" = 1'-0"



Elevation 13 - Plumbing
1/2" = 1'-0"



Elevation 14 - Plumbing
1/2" = 1'-0"



Elevation 15 - Plumbing
1/2" = 1'-0"

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DESIGNER ELT
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SHEET SIZE
D size (36"x24")
SCALE: **1/4"=1'0" (UON)**

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QF501	Elevations
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QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List	
#	Description	Date

Plumbing Elevations

QF311

3 11/10/2023 2:26:29 AM

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: PLUMBING ELEVATIONS
SHOP DRAWING

3

Revisions

CONCEPT APPROVAL
10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By

Checked By

Sheet No.
QF311

Drawing File: C:\Users\chudsen\appdata\local\temp\AcPublish_5800\QF311v3.dwg
Plotted by: chudsen
Plotted Date: Nov 10, 2023 – 4:08pm

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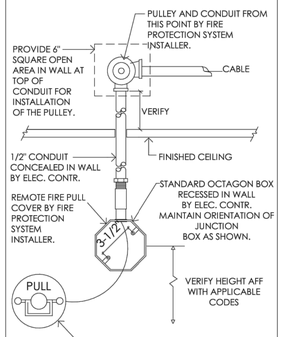
REMOTE FIRE PROTECTION PULL STATION DETAIL RFP-1

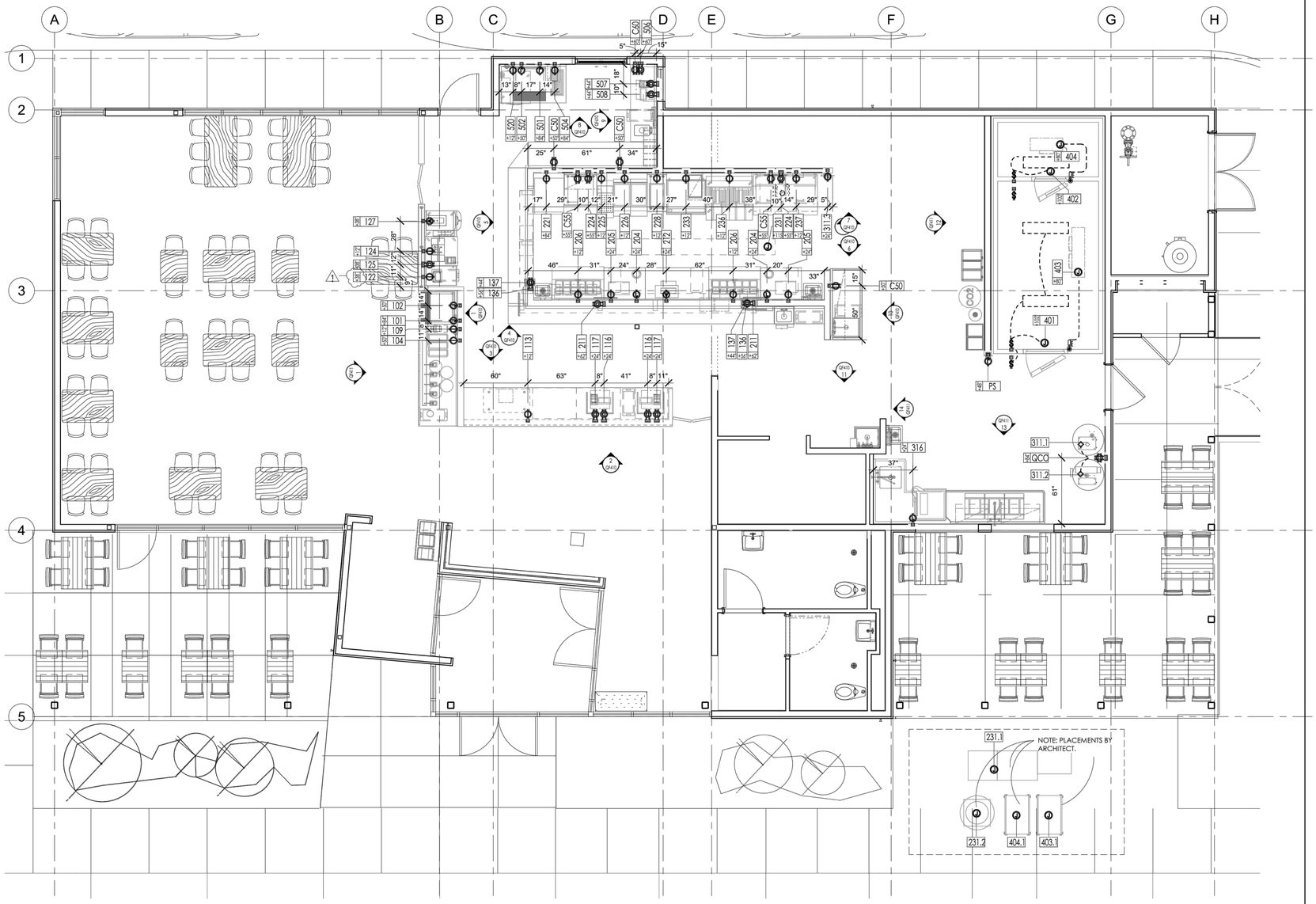


VERIFY LOCATION AND INSTALL WITH LOCAL CODE

INSTALLATION TO BE BY AUTHORIZED AGENCY

ELECTRICAL LEGEND

Plan	Elevation	Description
		120V Dedicated; Single, Duplex & Quadplex Outlet
		120V Duplex Drop Cord
		120V Duplex & Quadplex Floor Outlet
		High Voltage Outlet 208-480V
		J-Box Fixture Mounted & Wall Mounted
		Duplex Outlet w/ Data Point
		Electrical Stub-Up
		Electrical Connection Point
		Fire Pull — To Be Verified By Fire Inspector
		Light Switch
		Light Fixture
		Electrical Disconnect Point
		Thermostat
		Blower Fixture Mounted
		Alarm Connection Point
		Electrical Lines



Electrical Spotting
1/4" = 1'-0"

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PROJECT MGR. AL 808.347.3585 ameila@smithandgreene.com
DESIGNER: ELT 253.234.9993 cad@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

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Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List

#	Description	Date
1	Revision 1	11.01.23

Electrical Spotting

QF400

LMHT Project No. 23104.00

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BIG CHICKEN - CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: ELECTRICAL SPOTTING SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By

Checked By

Sheet No. QF400

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5820\QF400-3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:06pm

QF400 11/10/2023 12:6:31 AM

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Electrical Schedule

Item Number	Count	Equipment Description	Connection Description	FL Amp	Watts	HP	Volts	Phase	Conn Plug	Elec Rl Height	Electrical Remarks
101	1	Nugget Ice Maker	JBox WM	14.2 A		1 1/2	208230 V	1	Direct	84"	
102	1	Soda Dispenser	JBox WM				120 V	1	Direct	50"	By Vendor – Verify w/ Vendor
104	1	Beverage Dispenser, Electric	Dedicated Outlet	8 A			115 V	1	5-15P	50"	
109	1	Carbonator	Dedicated Outlet	6.5 A	2400 W	1/3	120 V	1	5-15P	12"	By Vendor – Verify w/ Vendor
113	1	Heated Holding Shelf	Dedicated Outlet				120 V	1	5-15P	12"	
116	1	POS System	Pwr & Data				120 V	1	5-15P	24"	By Owner – Verify w/ Owner
116	1	POS System	Pwr & Data				120 V	1	5-15P	24"	By Owner – Verify w/ Owner
117	1	Printer	Pwr & Data				120 V	1	5-15P	24"	By Owner – Verify w/ Owner
117	1	Printer	Pwr & Data				120 V	1	5-15P	24"	By Owner – Verify w/ Owner
122	1	Mixer, Drink/Bar	Dedicated Outlet	2.6 A			120 V	1	5-15P	38"	
124	1	Refrigerator, Undercounter	Dedicated Outlet	2.5 A	288 W	1/6	115 V	1	5-15P	12"	
125	1	Printer	Pwr & Data				120 V	1	5-15P	38"	By Owner – Verify w/ Owner
127	1	Soft Serve Machine	High Voltage Outlet	26 A		1 1/2	208230 V	1		38"	Verify plug connection w/ Vendor
136	1	Monitor	Pwr & Data				120 V	1	5-15P	56"	By Owner – Verify w/ Owner
136	1	Monitor	Pwr & Data				120 V	1	5-15P	56"	By Owner – Verify w/ Owner
137	1	Printer	Pwr & Data				120 V	1	5-15P	44"	By Owner – Verify w/ Owner
137	1	Printer	Pwr & Data				120 V	1	5-15P	44"	By Owner – Verify w/ Owner
204	1	Hot Food Well Unit, Drop-In, Electric	JBox WM	4.2 A	500 W		120 V	1	Direct	24"	
204	1	Hot Food Well Unit, Drop-In, Electric	JBox WM	4.2 A	500 W		120 V	1	Direct	24"	
205	1	Cheesemelter, Electric	Dedicated Outlet	10 A	1200 W		120 V	1	5-15P	24"	
205	1	Cheesemelter, Electric	Dedicated Outlet	10 A	1200 W		120 V	1	5-15P	24"	
206	1	Sandwich/Salad Preparation Refrigerator	Dedicated Outlet	4.5 A		1/4	115 V	1	5-15P	12"	By Owner – Verify w/ Owner
206	1	Sandwich/Salad Preparation Refrigerator	Dedicated Outlet	4.5 A		1/4	115 V	1	5-15P	12"	By Owner – Verify w/ Owner
211	1	Monitor	Pwr & Data				120 V	1	5-15P	62"	By Owner – Verify w/ Owner
211	1	Monitor	Pwr & Data				120 V	1	5-15P	62"	By Owner – Verify w/ Owner
212	1	Toaster, Contact Grill, Conveyor Type	High Voltage Outlet	12.5 A	2600 W		208 V	1	6-20P	24"	
221	1	Reach-In Freezer	Dedicated Outlet	8.5 A		3/4	115 V	1	5-15P	84"	
224	1	Monitor	Pwr & Data				120 V	1	5-15P	55"	By Owner – Verify w/ Owner
224	1	Monitor	Pwr & Data				120 V	1	5-15P	55"	By Owner – Verify w/ Owner
225	1	Fryer Dump Station	Dedicated Outlet	15.1 A	1820 W		120 V	1	5-20P	12"	
226	1	Fryer Battery, Gas	Dedicated Outlet	7 A		1/3	115 V	1	5-15P	12"	
228	1	Food Pan Warmer, Countertop	Dedicated Outlet	12.5 A	1500 W		120 V	1	5-15P	12"	
231	1	Hood	JBox						Direct	115"	By Owner – Verify w/ Owner, See shop drawings
231.1	1	MUA	JBox						Direct		By Owner - Verify
231.2	1	Exhaust Fan	JBox						Direct		By Owner - Verify
233	1	Equipment Stand, Refrigerated Base	Dedicated Outlet	2.2 A		1/5	115 V	1	5-15P	12"	
236	1	Multiple Fryer System, Gas	Dedicated Outlet	8.5 A			120 V	1	5-15P	12"	
237	1	Mega Top Preparation Refrigerator	Dedicated Outlet	6 A		1/3	115 V	1	5-15P	12"	
311.1	1	Oil Management System	Dedicated Outlet	20 A			120 V	1	5-15P	84"	By Vendor – Verify w/ Vendor
311.2	1	Oil Management System	Dedicated Outlet	20 A			120 V	1	5-15P	84"	By Vendor – Verify w/ Vendor
311.3	1	Dipstick	Dedicated Outlet	20 A			120 V	1	5-15P	24"	By Vendor – Verify w/ Vendor
316	1	Dishwasher	JBox WM				208 V	3	Direct	24"	By Vendor – Verify w/ Vendor, Verify plug connection w/ Vendor
401	1	Walk-In Cooler Door	JBox						Direct	102"	See shop drawings, Verify existing utilities
402	1	Walk-In Freezer Door	JBox						Direct	102"	See shop drawings
403	1	Evaporator Coil (Refrigerator)	JBox						Direct	80"	See shop drawings
403.1	1	Cooler Condenser	JBox						Direct		See shop drawings
404	1	Evaporator Coil (Freezer)	JBox						Direct	80"	See shop drawings
404.1	1	Cooler Condenser	JBox						Direct		See shop drawings
501	1	Nugget Ice Maker	JBox WM	14.2 A		1 1/2	208230 V	1	Direct	84"	
502	1	Soda Dispenser	JBox WM				120 V	1	Direct	50"	By Vendor – Verify w/ Vendor
504	1	Carbonator	Dedicated Outlet	6.5 A	2400 W	1/3	120 V	1	5-15P	84"	By Vendor – Verify w/ Vendor
506	1	Drive-Thru Screen	Pwr & Data	5 A			120 V	1	5-15P	60"	By Owner – Verify w/ Owner
507	1	Printer	Pwr & Data				120 V	1	5-15P	44"	By Owner – Verify w/ Owner
508	1	POS	Pwr & Data				120 V	1	5-15P	44"	By Owner – Verify w/ Owner
520	1	Undercounter Refrigerator	Dedicated Outlet	6.3 A		1/5	115 V	1	5-15P	12"	By Owner – Verify w/ Owner
C50	1	Duplex Convenience Outlet	Duplex Outlet	16 A	2000 W		120 V	1	5-20R	50"	By EC
C50	1	Duplex Convenience Outlet	Duplex Outlet	16 A	2000 W		120 V	1	5-20R	50"	By EC
C50	1	Duplex Convenience Outlet	Duplex Outlet	16 A	2000 W		120 V	1	5-20R	50"	By EC
C55	1	Duplex Convenience Outlet	Duplex Outlet	16 A	2000 W		120 V	1	5-20R	55"	By EC
C55	1	Duplex Convenience Outlet	Duplex Outlet	16 A	2000 W		120 V	1	5-20R	55"	By EC
C60	1	Duplex Convenience Outlet	Duplex Outlet	16 A	2000 W		120 V	1	5-20R	60"	By EC
PS	1	Pull Station	JBox WM				120 V	1	Direct	48"	Final connection by fire safety contractor
QCO	1	Quad Convenience Outlet	Quadplex Outlet	16 A	2000 W		120 V	1	5-20R	84"	By EC

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QF301	Plumbing Schedule
QF310	Plumbing Elevations
QF311	Plumbing Elevations
QF400	Electrical Spotting
QF401	Electrical Schedule
QF410	Electrical Elevations
QF411	Electrical Elevations
QF500	Elevations
QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List

#	Description	Date
1	Revision 1	11.01.23

Electrical Schedule

QF401

3 11/1/2023 2:34 AM

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: ELECTRICAL SCHEDULE
SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. QF401

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\QF401-3.dwg
Plotted by: chusten
Plotted Date: Nov 10, 2023 - 4:09pm

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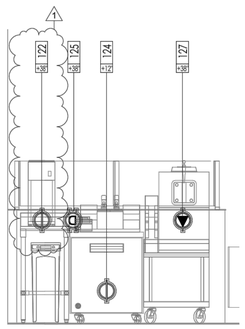
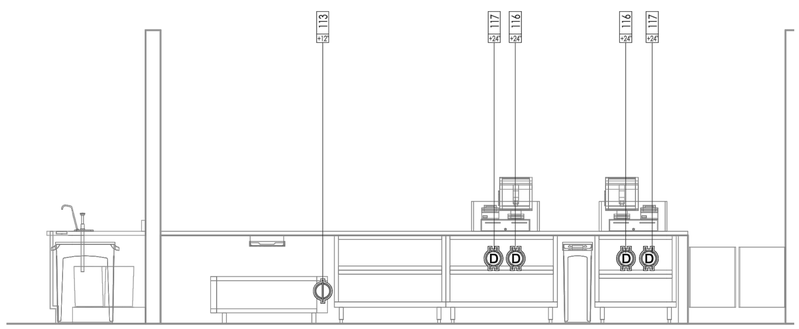


Elevation 1 - Electrical
1/2" = 1'-0"



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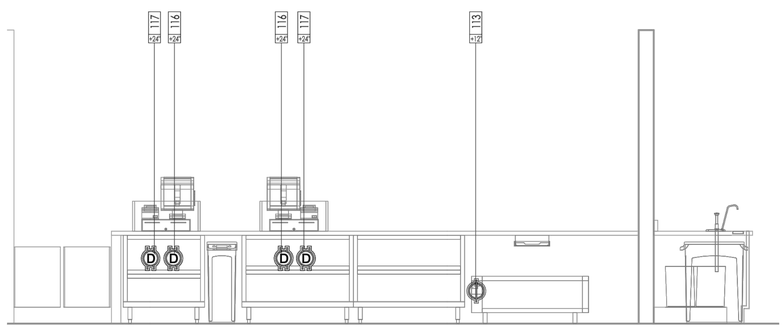

Elevation 3 - Electrical
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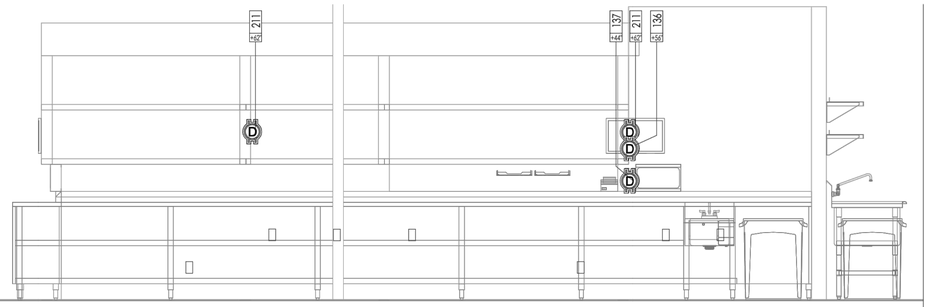

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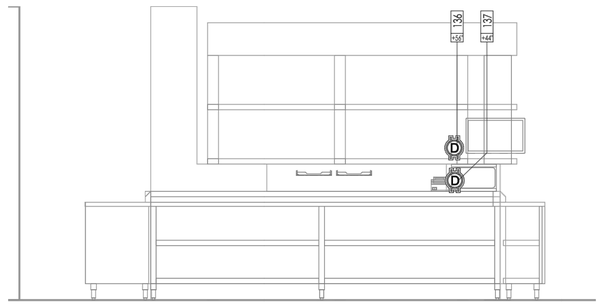

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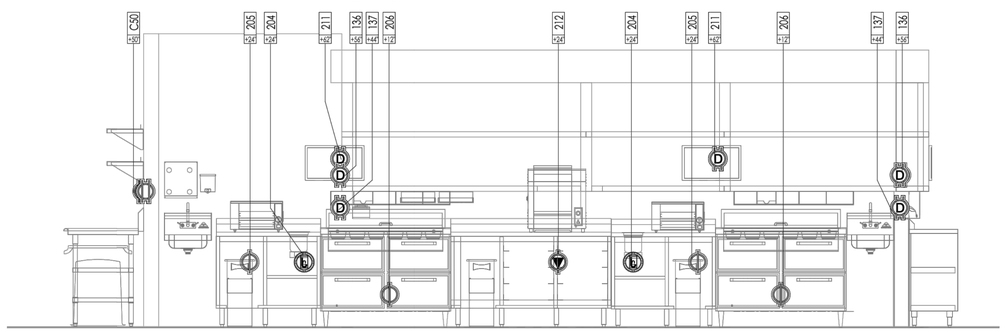

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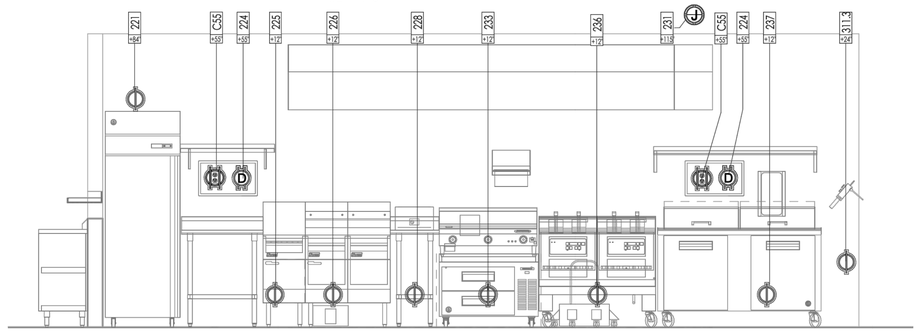
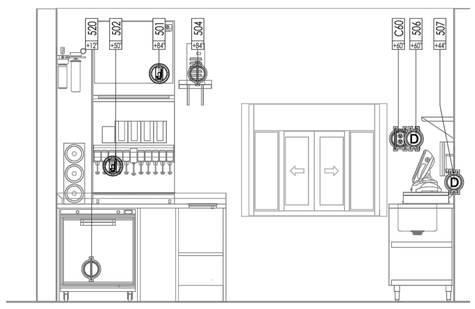
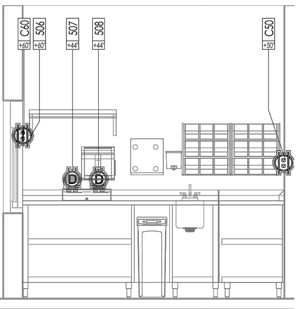
1/2" = 1'-0"



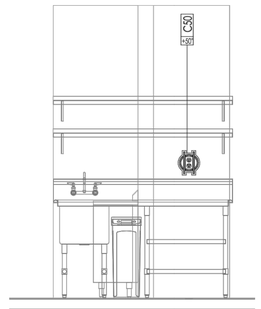
Elevation 7 - Electrical
1/2" = 1'-0"



Elevation 8 - Electrical
1/2" = 1'-0"



Elevation 9 - Electrical
1/2" = 1'-0"



Elevation 10 - Electrical
1/2" = 1'-0"

NOT USED

Elevation 11 - Electrical
1/2" = 1'-0"

SMITH AND GREENE
FOOD SERVICE EQUIPMENT AND DESIGN
19015 66TH AVE S., KENT WA 98032
425.656.8000 * FX 425.656.8075
WWW.SMITHANDGREENE.COM

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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

DESIGNER ELT 253.234.9993 cad@smithandgreene.com
PROJECT MGR. AL 808.347.3585 ameliat@smithandgreene.com
ACCOUNT MGR. CM 253.376.2790 chrism@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

INDEX OF SHEETS

QF100	Equipment Plan
QF101	Equipment Schedule
QF110	Equipment Utility Schedule
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QF200	Floor Penetration
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QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date
1	Revision 1	11.01.23

Electrical Elevations

QF410

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: ELECTRICAL ELEVATIONS
SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023

1 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. QF410

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5800\QF410v3.dwg
Printed by: chudson
Plotted Date: Nov 10, 2023 - 4:05pm

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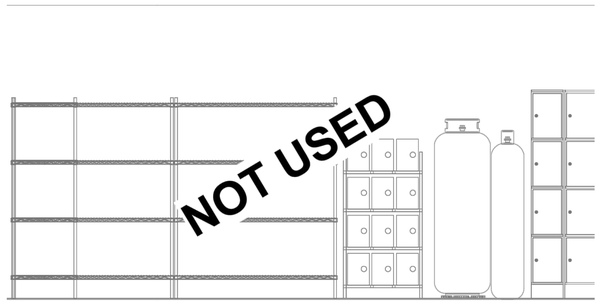

Elevation 12 - Electrical
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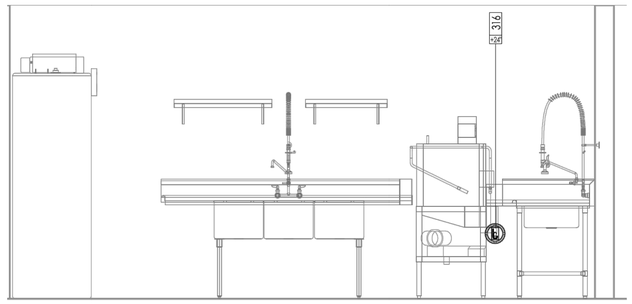

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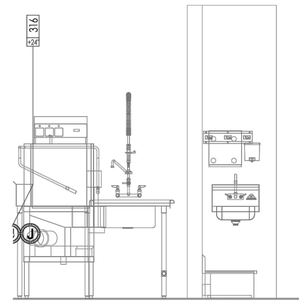
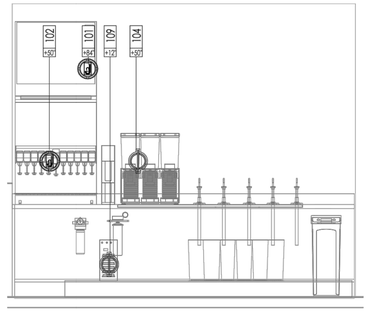


Elevation 14 - Electrical
1/2" = 1'-0"



Elevation 15 - Electrical
1/2" = 1'-0"

SMITH AND GREENE
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425.656.8000 * FX 425.656.8075
WWW.SMITHANDGREENE.COM

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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

DESIGNER: ELT 253.234.9993 cad@smithandgreene.com
PROJECT MGR.: AL 808.347.3585 amelial@smithandgreene.com
ACCOUNT MGR.: CM 253.376.2790 chrism@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

INDEX OF SHEETS

QF100	Equipment Plan
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QF300	Plumbing Spotting
QF301	Plumbing Schedule
QF310	Plumbing Elevations
QF311	Plumbing Elevations
QF400	Electrical Spotting
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QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date

Electrical Elevations

QF411

LMHT Project No. 23104.00

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BIG CHICKEN - CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: ELECTRICAL ELEVATIONS
SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. QF411

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_58900\QF411r3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:07pm

11/10/2023 12:43 AM

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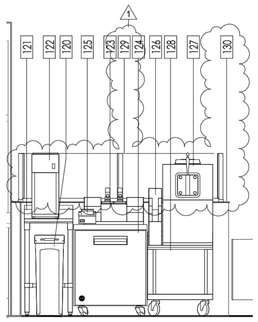
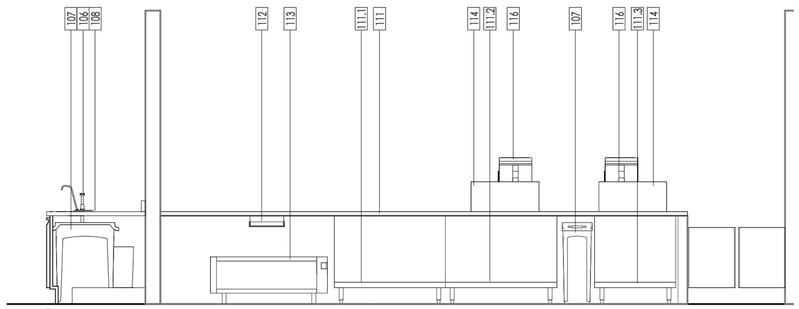


Elevation 1
1/2" = 1'-0"



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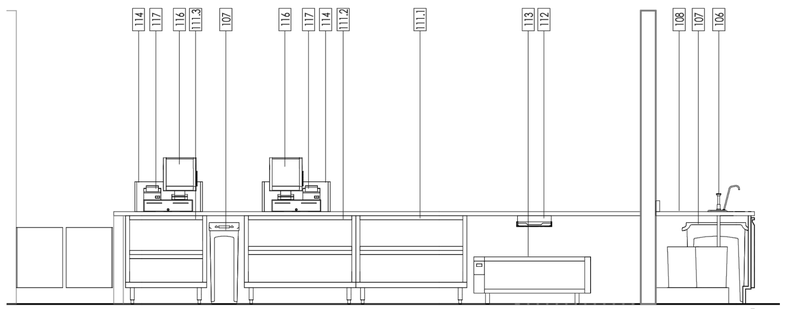

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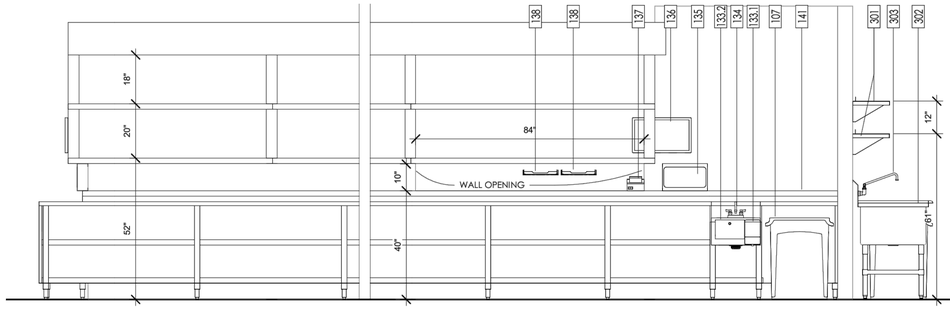

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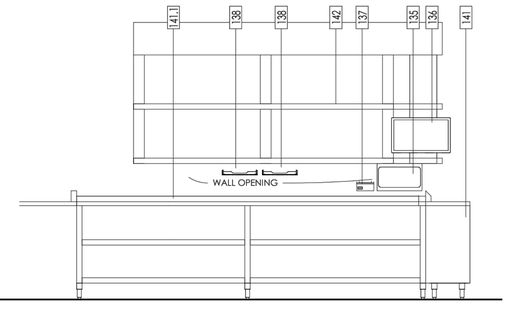

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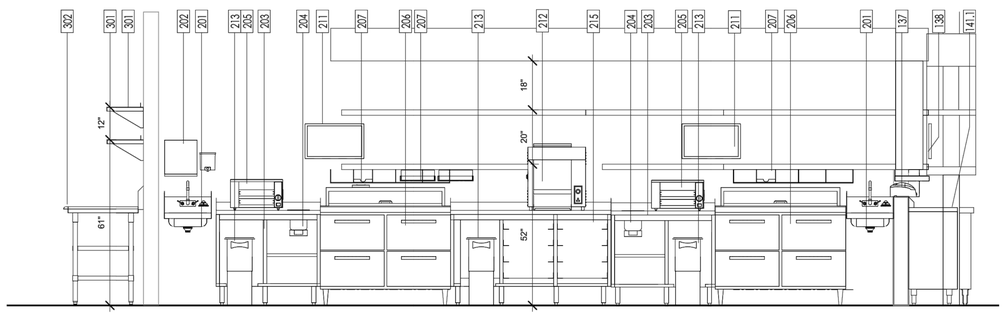

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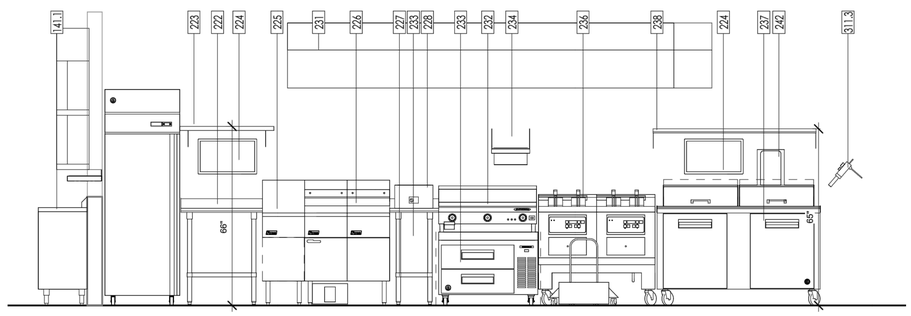

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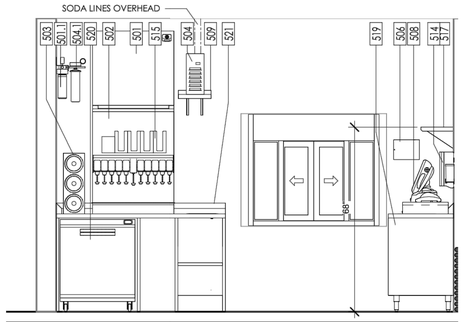

Elevation 8
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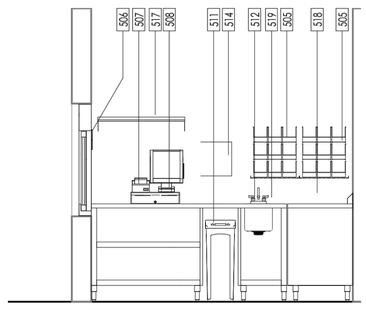
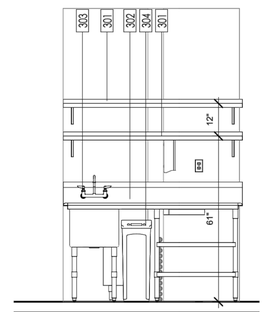


Elevation 9
1/2" = 1'-0"



Elevation 10
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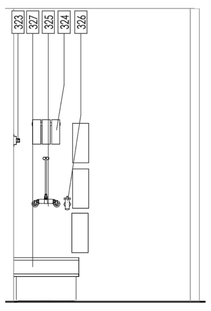

Elevation 11
1/2" = 1'-0"

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A DIVISION OF
EDWARD DON & COMPANY
FOOD SERVICE EQUIPMENT AND DESIGN
821 8TH ST. SW SUITE D AUBURN, WA 98001
don.com | 800.232.8050
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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

PROJECT MGR. ACCOUNT MGR. CM 253.376.2790 chrism@smithandgreene.com
PROJECT MGR. AL 808.347.3585 ameilal@smithandgreene.com
DESIGNER ELT 253.234.9993 cad@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

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QF311	Plumbing Elevations
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QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date
1	Revision 1	11.01.23

Elevations

QF500

11/1/2023 11:26:49 AM

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: ELEVATIONS SHOP DRAWING

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By

Checked By

Sheet No. QF500

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_58900\QF500r3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:58pm

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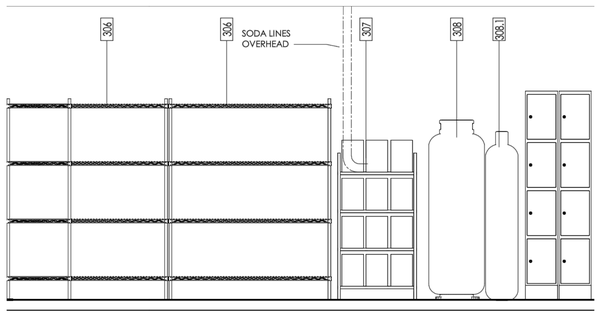
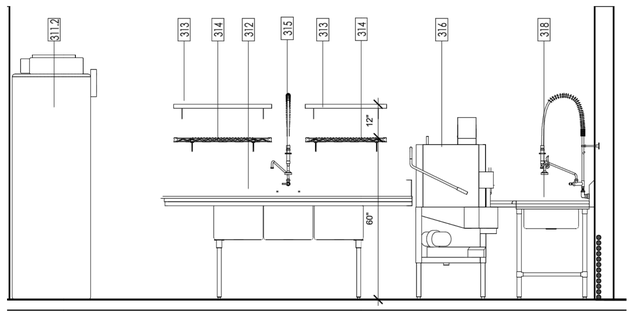


Elevation 12
1/2" = 1'-0"



Elevation 13
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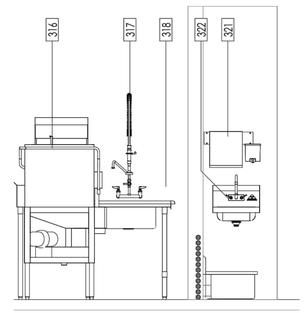

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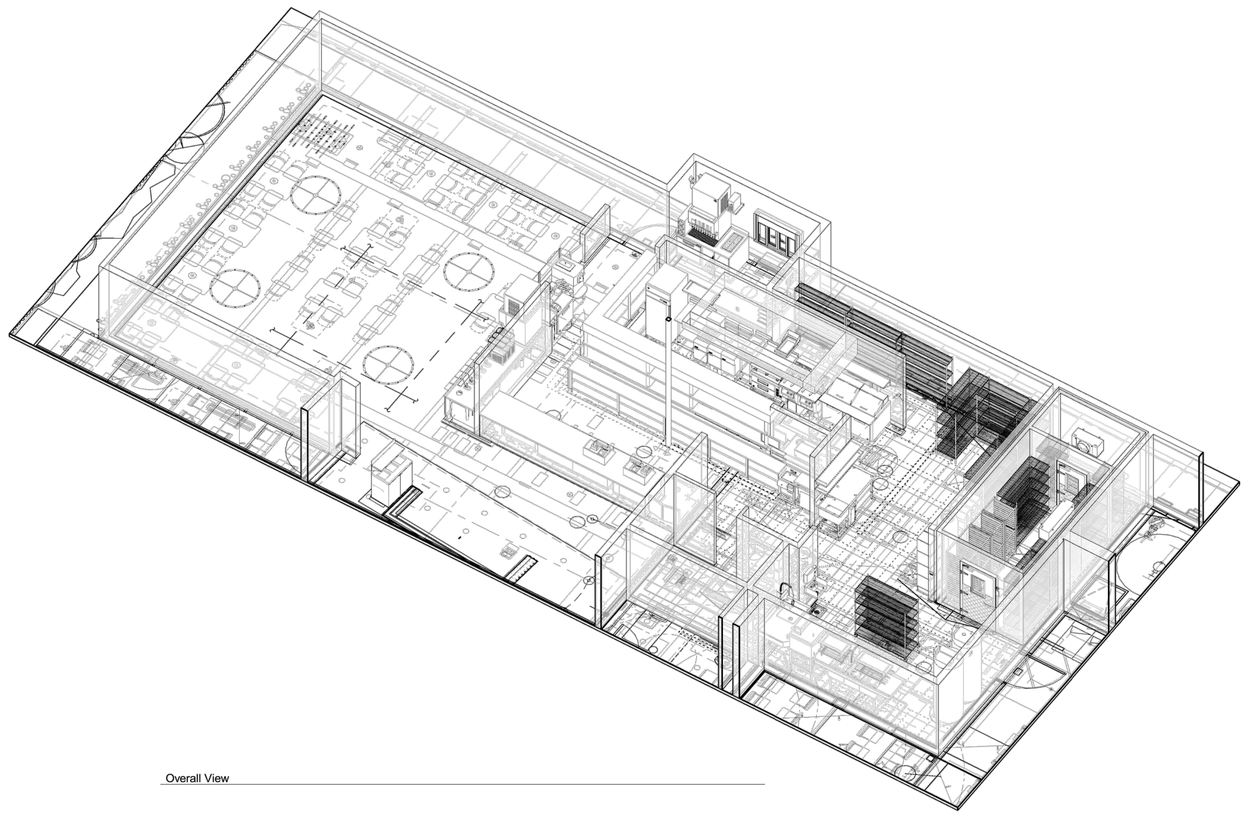
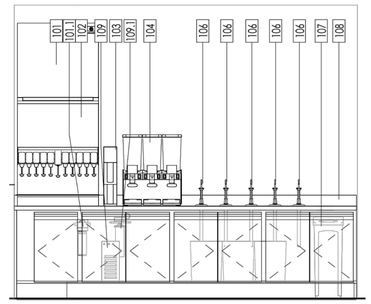


Overall View



Elevation 15
1/2" = 1'-0"

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Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

PROJECT MGR, ACCOUNT MGR.
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253.376.2790 chrism@smithandgreene.com

AL
808.347.3585 amelial@smithandgreene.com

DESIGNER
ELT
253.234.9993 cad@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: **1/4"=1'0" (UON)**

INDEX OF SHEETS

QF100	Equipment Plan
QF101	Equipment Schedule
QF110	Equipment Utility Schedule
QF111	Equipment Utility Schedule
QF120	General Notes
QF200	Floor Penetration
QF300	Plumbing Spotting
QF301	Plumbing Schedule
QF310	Plumbing Elevations
QF311	Plumbing Elevations
QF400	Electrical Spotting
QF401	Electrical Schedule
QF410	Electrical Elevations
QF411	Electrical Elevations
QF500	Elevations
QF501	Elevations
QF600	Special Conditions
QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List	
#	Description / Date

Elevations

QF501

11/1/2023 11:27:20 AM

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: ELEVATIONS
SHOP DRAWING

Revisions

CONCEPT APPROVAL
10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By

Checked By

Sheet No.
QF501

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5800\QF501r3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 – 4:08pm

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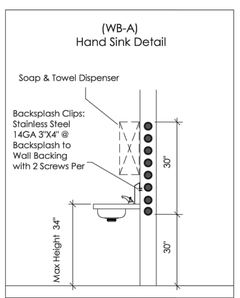
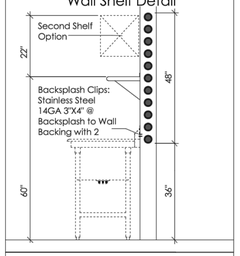
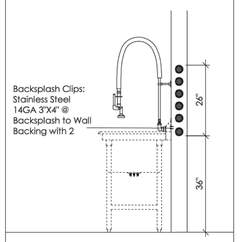
(WB-A)
Hand Sink Detail



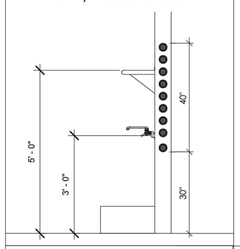
(WB-B)
Wall Shelf Detail

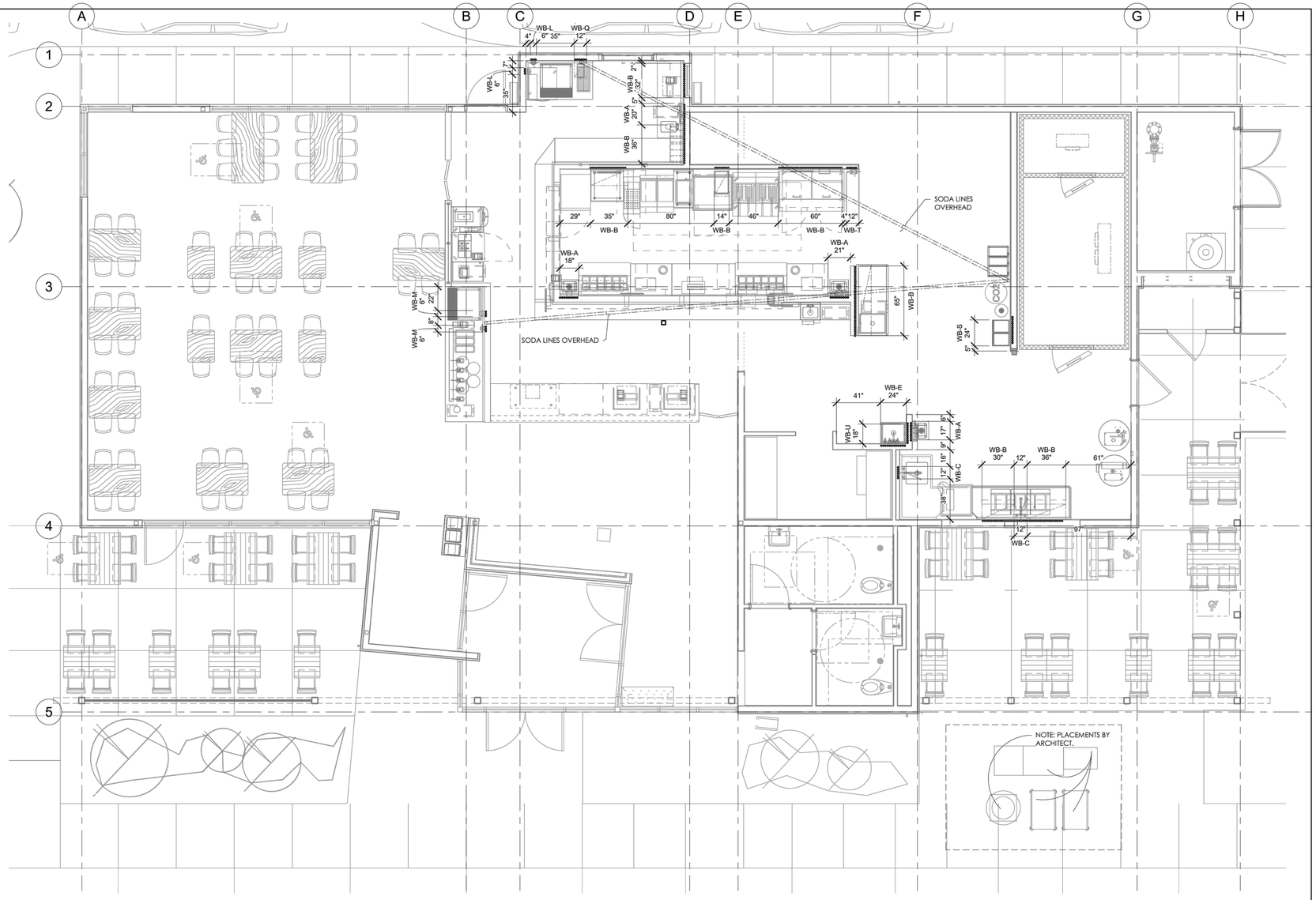


(WB-C)
Pre-Rinse Detail



(WB-E)
Utility Faucet Detail

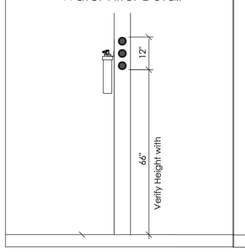




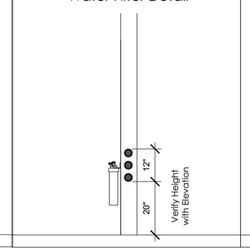
Special Conditions
1/4" = 1'-0"

NOTE: SODA LINE ROUTING TO BE VERIFIED BY GC AND VENDOR PRIOR TO CONSTRUCTION AND INSTALLATION.

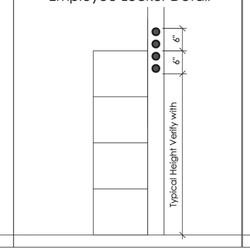
(WB-L)
Water Filter Detail



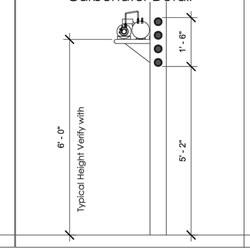
(WB-M)
Water Filter Detail



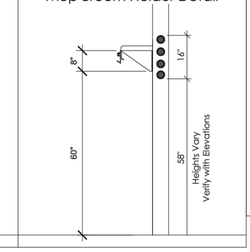
(WB-S)
Employee Locker Detail



(WB-Q)
Carbonator Detail



(WB-U)
Mop Broom Holder Detail



SPECIAL CONDITIONS LEGEND

Plan	Description
	Wall Backing Support
	Stainless Steel Wall Flashing
	Hood Hanger Support
	Floor Depression
	Above Floor Lines
	Below Floor Lines
	Hood Ducts

ALL DETAILS ARE TYPICAL AND SHOULD BE VERIFIED WITH ARCHITECTURAL DRAWINGS

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BIG CHICKEN

Big Chicken - Lake City, FL
176 NW Centurion Ct
Lake City, FL 32055

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AL
808.347.3585 ameliall@smithandgreene.com
DESIGNER
ELT
253.234.9993 cad@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

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QF311	Plumbing Elevations
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QF600	Special Conditions
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Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List	
# Description	Date

Special Conditions

QF600

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: SPECIAL CONDITIONS SHOP DRAWING

BIG CHICKEN

Revisions
CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. QF600

3

Drawing File: C:\Users\chudsen\appdata\local\temp\AcPublish_5800\QF600-3.dwg
Plotted by: chudsen
Plotted Date: Nov 10, 2023 - 4:09pm
11/1/2023 11:27:52 AM

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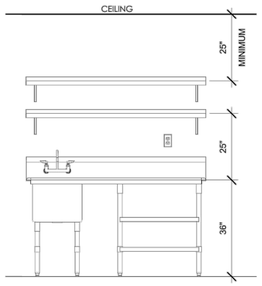
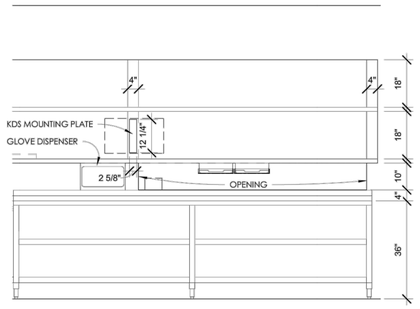
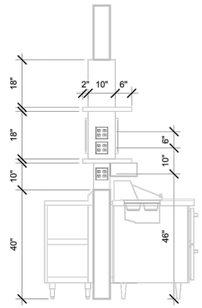


Prep Sink Elevation
1/2" = 1'-0"

Prep Sink View



Pass-Thru Elevation - Expo
1/2" = 1'-0"



Pass-Thru Shelf Section
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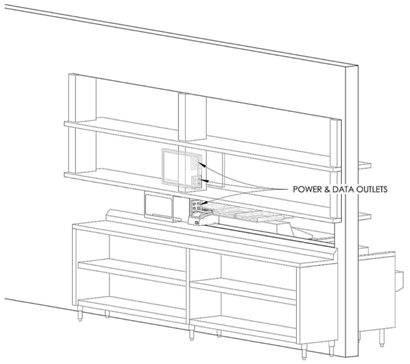
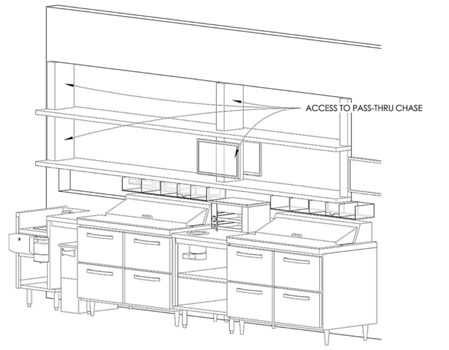
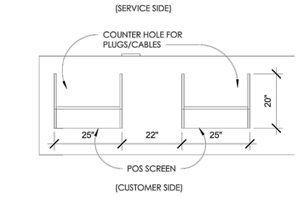


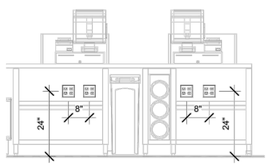
Pass-Thru View - Expo Side



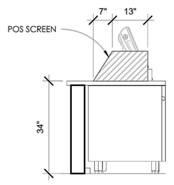
Pass-Thru View - Make Line Side



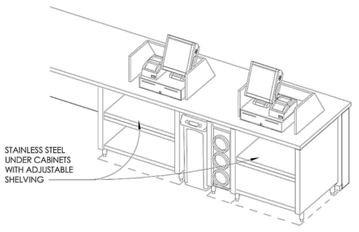
POS Counter Plan
1/2" = 1'-0"



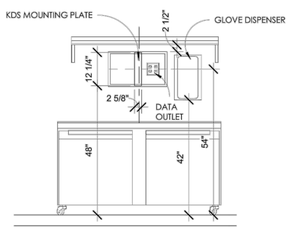
POS Counter Elevation - Electrical
1/2" = 1'-0"



POS Counter Section
1/2" = 1'-0"



POS Counter View



Fryer & Chicken Batter Station Elevation
1/2" = 1'-0"

Chicken Batter Station View

NOTE: DETAILS ARE TYPICAL BUT MAY VARY PER LOCATION. SEE PLAN LAYOUT AND ELEVATIONS FOR PLACEMENTS.

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176 NW Centurion Ct
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PROJECT MGR.
AL
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DESIGNER
ELT
253.234.9993 cad@smithandgreene.com

SHEET SIZE
D size (36"x24")
SCALE: 1/4"=1'0" (UON)

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QF800	Detail Sheet

Modification	Date
BACKGROUND	08.22.23
EQUIPMENT SET	08.22.23
ROUGH-IN SET	08.22.23
SUBMITTAL SET	10.02.23

Food Service Revision List		
#	Description	Date

Detail Sheet

QF800

1/1/2023 11:27:34 AM

LMHT Project No. 23104.00

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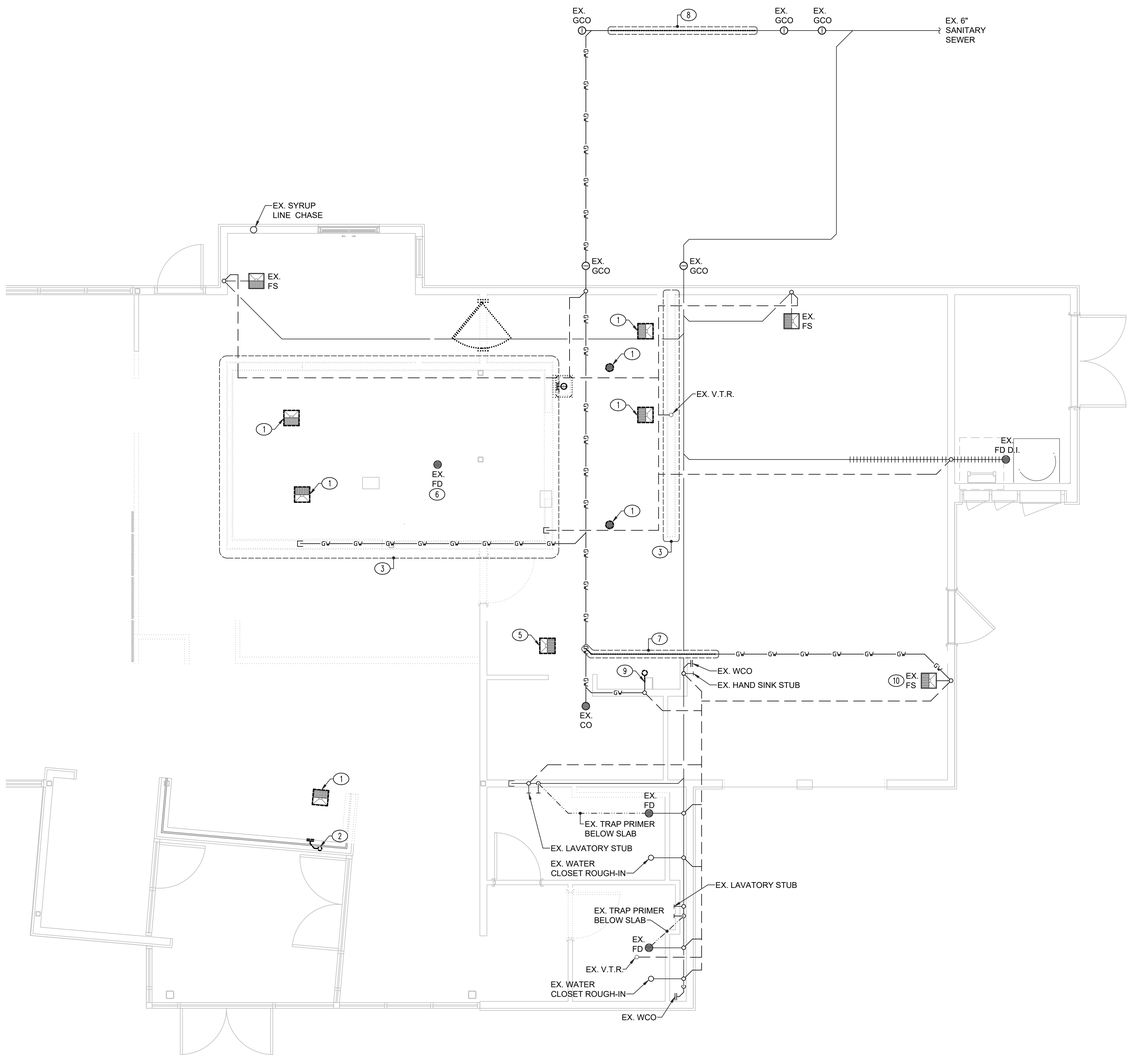
BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: DETAIL SHEET SHOP DRAWING

Revisions

CONCEPT APPROVAL	10.06.2023
3 TENANT CHANGE.	11.03.2023

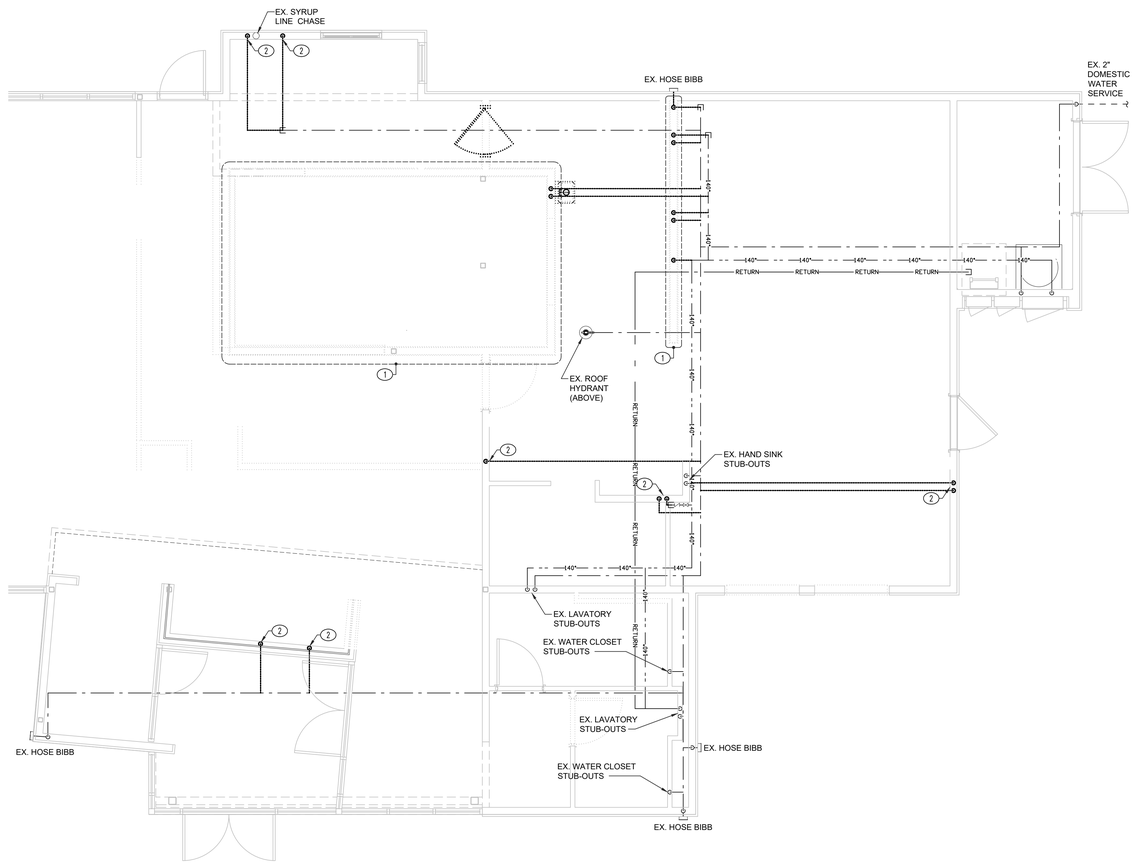
PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. QF800

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5800\QF800r3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:58pm



1 SANITARY DEMOLITION PLAN

1/4" = 1'-0"



2 WATER DEMOLITION PLAN

1/4" = 1'-0"

SANITARY DEMOLITION CONSTRUCTION NOTES:

1. REMOVE EXISTING FLOOR FIXTURE TO BELOW SLAB AND CAP. ANY ASSOCIATED VENT PIPING SHALL BE CAPPED ABOVE CEILING. GC SHALL REPAIR SURFACES TO MATCH ADJACENT CONDITIONS.
2. REMOVE EXISTING WALL CLEANOUT AND CAP PIPING INSIDE WALL. GC SHALL REPAIR SURFACES TO MATCH ADJACENT CONDITIONS.
3. REMOVE EXISTING PIPING IN DEMOLISHED WALL AND CAP TO BELOW SLAB/ABOVE CEILING.
4. REMOVE EXISTING FLOOR FIXTURE AND PREPARE WASTE PIPING FOR NEW FIXTURE IN SAME LOCATION.
5. REMOVE EXISTING FLOOR FIXTURE AND PREPARE FOR NEW WASTE PIPING CONNECTION TO EXISTNG GREASE WASTE MAIN. NEW FIXTURE WILL BE INSTALLED IN SAME LOCATION AS REMOVED FIXTURE.
6. REMOVE EXISTING FLOOR FIXTURE AND PREPARE FOR NEW WASTE PIPING CONNECTION TO EXISTNG GREASE WASTE MAIN. STORE EXISTING FIXTURE FOR INSTALLATION IN SAME LOCATION.
7. REMOVE SECTION OF WASTE PIPING AND PREPARE FOR LARGER WASTE PIPING IN SAME LOCATION.
8. REMOVE SECTION OF WASTE PIPING AND PREPARE FOR INSTALLATION OF GREASE INTERCEPTOR IN SAME LOCATION.
9. REMOVE EXISTING WASTE STUB-UP AND PREPARE WASTE PIPING FOR NEW MOP SINK. VENT PIPING IN WALL SHALL BE REUSED.
10. FIELD VERIFY GRATE ON EXISTING FLOOR SINK. IF NOT FULL, REMOVE GRATE AND PREPARE FOR INSTALLATION OF NEW FULL GRATE FOR EXISTING FLOOR SINK.

WATER DEMOLITION CONSTRUCTION NOTES:

1. REMOVE EXISTING PIPING IN DEMOLISHED WALL AND CAP TO BELOW SLAB/ABOVE CEILING.
2. REMOVE EXISTING WATER STUB-OUTS AND CAP TO INSIDE WALL. GC SHALL REPAIR SURFACES TO MATCH ADJACENT CONDITIONS.

DEMO GENERAL NOTES:

1. SEE SHEET P001 FOR ALL GENERAL NOTES.
2. ALL WASTE/VENT, WATER, AND GAS PIPING NOT IN USE SHALL BE REMOVED TO BELOW SLAB/ABOVE CEILING AND CAPPED. GC SHALL REPAIR SURFACES TO MATCH ADJACENT CONDITIONS.

LOCATION AND CONFIGURATION OF EXISTING WASTE/VENT, WATER, AND GAS PIPING ARE BASED ON PRIOR CONSTRUCTION DOCUMENT PLANS. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO STARTING WORK. MAKE ADJUSTMENTS AS REQUIRED BASED ON ACTUAL BUILDING EQUIPMENT CONFIGURATION.

ORIGINAL PROJECT (REV2 AND PREVIOUS) WAS FOR A RIB CRIB RESTAURANT. UPDATED PLANS (REV3) ARE FOR A CONVERSION TO A BIG CHICKEN RESTAURANT. SEE PREVIOUS RIB CRIB PERMIT DRAWINGS, ESPECIALLY FOR ANY UNREVISED DRAWINGS WHICH STILL APPLY TO THE BIG CHICKEN CONVERSION. REV3 PLANS ATTEMPT TO SHOW CURRENT STATUS OF CONSTRUCTION (NEW VS EXISTING). PC TO FIELD VERIFY AND CONFIRM EXISTING SYSTEMS AS CURRENTLY BUILT. CONTRACTOR IS RESPONSIBLE TO UPDATE FIELD INSTALLATION TO STATUS OF NEW WORK SHOWN IN THESE PLANS.

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE PLUMBING CONTRACTOR SHALL INSTALL THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT SITE TO EXAMINE SITE CONDITIONS. CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS AND REUSE AND RECONNECT TO EXISTING SERVICE WHERE POSSIBLE. ALL REUSED PIPING AND EQUIPMENT MUST COMPLY WITH STATE AND LOCAL PLUMBING CODE.

WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER AND COMPANY CANNOT GUARANTEE AGAINST ERROR OR UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR OR BUILDER MUST CHECK ALL DIMENSIONS, DETAILS AND REPORT ANY DISCREPANCIES.

LMHT Project No. 23104.00

NATIONAL RESTAURANT DESIGNERS
A DIVISION OF LMHT ASSOCIATES
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11/10/23

THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT ARE INSTRUMENTS OF SERVICE THROUGH WHICH THE WORK FOR THIS PROJECT IS DESCRIBED. THE ARCHITECT AUTHORIZES USE OF THESE DOCUMENTS FOR USE SOLELY WITH RESPECT TO THIS PROJECT, AND LIMIT REPRODUCTION RIGHTS TO THE OWNER AS DEFINED IN THE OWNER/ARCHITECT AGREEMENT. ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE RETAINED BY THE ARCHITECT. ALL RIGHTS IN THESE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT ARE RESERVED BY THE ARCHITECT AND ARE NOT TO BE USED BY THE OWNER OR ANY OTHER PERSON OR ENTITY WITHOUT THE ARCHITECT'S WRITTEN PERMISSION. SUBMITTED TO RETAIN COPIES, INCLUDING REPRODUCIBLE COPIES OF WHICH SHOULD BE RETURNED OR DESTROYED UPON REQUEST BY THE ARCHITECT AT THE COMPLETION OF THE PROJECT. LIMITS OF USE AND OCCUPANCY OF THE PROJECT. LIMITS OF WRITTEN DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT ARE NOT TO BE USED BY THE OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT, AND SPECIFIC WRITTEN VERIFICATION AND ASSUMPTION OF RISK BY THE ARCHITECT FOR ANY SUCH USE BY THE OWNER OR OTHERS WHEN USED BY THE OWNER OR OTHERS ON OTHER PROJECTS.

BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: PLUMBING DEMOLITION PLANS

BIG CHICKEN

Revisions

- CONCEPT APPROVAL 10.06.2023
- 3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By TJC

Checked By JCL

Sheet No. PD101

CALCULATIONS

DRAINAGE

ITEM	#	IND. F.U.	TOT. F.U.
GREASE DRAINAGE			
3-COMP SINK	1	5.0	5.0
DIRTY DISH SINK	1	5.0	5.0
DISHWASHER	1	5.0	5.0
1D COMP. PREP SINK	1	3.0	3.0
HAND SINK	3	2.0	6.0
CAN WASH	1	5.0	5.0
AREA FLOOR DRAIN	4	2.0	8.0
SUBTOTAL GREASE			37.0
SANITARY SEWER			
W/ BIR CLOSET, 1.6 GPF	2	4.0	8.0
LAVATORY	2	2.0	4.0
HANDSINK	2	2.0	4.0
AREA FLOOR DRAIN	2	2.0	4.0
INDIRECT RECEPTOR	4	5.0	20.0
SUBTOTAL S.S.			40.0
TOTALS			77.0

WATER SUPPLY

ITEM	#	IND. F.U.	TOT. F.U.
WATER CLOSET FLUSH VALVE	2	10.00	20.00
LAVATORY	2	2.00	4.00
HAND SINK	5	2.00	10.00
3-COMP SINK	1	4.00	4.00
DIRTY DISH SINK	1	4.00	4.00
PREP SINK	1	4.00	4.00
CAN WASH	1	3.00	3.00
ICE MACHINE	2	0.50	1.00
DRINK SYSTEM	2	0.50	1.00
INTERIOR HOSE BIBB	1	2.50	2.50
(E) EXTERIOR HOSE BIBB	4	2.50	10.00
(E) ROOF HYDRANT	1	2.50	2.50

TOTAL C.W. F.U.	66.0
SUBTOTAL DEMAND GPM	56.40
DISHWASHER DEMAND GPM	5.00
TOTAL DEMAND GPM	61.40
SIZE	2"
C.W. MAIN SIZE (VEL. 6-8 FPS)	2" FLUSH VALVE

GREASE INTERCEPTOR SIZING

GREASE INTERCEPTOR SIZING PROCEDURE FOR KITCHEN FIXTURES

FIXTURE TYPE	QUANTITY	PIPE DIAMETER	GPM/FIXTURE	FIXTURE RATING	GPM
Pot sink	1	2"	33	1.00	33
Meat & Vegetable prep sink	1	1 1/2"	15	0.10	1.5
Dirty Dish Sink	1	1 1/2"	15	0.75	11.25
Wok					0
Production Line Floor Sink					0
Dishwasher					5
Can wash / Mop sink					7
Total					**57.75**

Grease Interceptor Size = flow rate x 30 minutes =	**1732.5**

Please round up to the next available size to deteremine the required grease interceptor.

GI - 2,000 GALLON GRAVITY GREASE INTERCEPTOR. REFER TO DETAIL 1/P501.

WATER HAMMER ARRESTOR SCHEDULE

L.P.S.	F.U. RATING	SIOUX CHIEF	UNIT SIZE	REMARKS
3/4"	1 - 11	652-A	A	P.D.I. CERTIFIED
3/4"	12 - 32	653-B	B	P.D.I. CERTIFIED
1"	33 - 60	654-C	C	P.D.I. CERTIFIED
1"	61 - 113	655-D	D	P.D.I. CERTIFIED
1"	114 - 154	656-E	E	P.D.I. CERTIFIED
1"	155 - 330	657-F	F	P.D.I. CERTIFIED

NOTE: ALL WATER HAMMER ARRESTORS PROVIDED MUST MEET ASSE-1010 REQUIREMNETS.

BACKFLOW PREVENTION SCHEDULE

EQUIPMENT	APPLICABLE STANDARDS
DISHWASHER	ASSE 1004
ICE MACHINE	ASSE 1024
HOSE BIBB	INTEGRAL VACUUM BREAKER
DRINK SYSTEM (CARBONATOR)	ASSE 1022 (SEE NOTE 2)
CHEMICAL DISPENSER	ASSE 1055
MOP SINK	ASSE 1024
COLD WATER MAIN	RPZ

NOTES:

1. P.C. SHALL VERIFY BACKFLOW REQUIREMENT WITH LOCAL CODE OFFICIALS. USE MEDIUM HAZARD BACKFLOW DEVICES UNLESS LOCAL CODE OFFICIALS CLASSIFY AS HIGH HAZARD.
   a. WHERE HIGH HAZARD DEVICES ARE REQUIRED, P.C. SHALL INSTALL DEVICES PER MANUFACTURERS RECOMMENDATIONS, AND PIPE VENT TO DRAIN WHERE NEEDED INDIRECTLY WITH 2" (MIN.) AIR GAP.
2. P.C. SHALL USE PLASTIC TUBING DOWNSTREAM OF THE BACKFLOW PREVENTER FOR THE CARBONATOR.

WATER SIZING CRITERIA

1. ALL PIPE SIZES SHOWN ON RISER ARE BASED ON COPPER PIPE. PEX-A IS AN APPROVED SUBSTITUTION MATERIAL (SEE SPECIFICATION SHEET). HOWEVER, IF PEX-A IS INSTALLED, ALL PIPE SIZES (EXCEPT SINGLE FIXTURE BRANCHES) SHALL BE INCREASED (1) PIPE SIZE FROM SIZES SHOWN ON RISER.
2. COPPER PIPE SIZING BASED ON DESIGN MAXIMUMS OF 8FT/SEC VELOCITY AND 5PSI/100FT TO 8PSI/100FT OF PRESSURE LOSS.
3. PEX-A PIPE SIZING BASED ON MANUFACTURER DESIGN CRITERIA AND DESIGN MAXIMUMS OF 8FT/SEC VELOCITY AND 5PSI/100FT TO 8PSI/100FT OF PRESSURE LOSS.
4. IF PEX-A IS USED, DOMESTIC HOT WATER RETURN PIPING SHALL BE MINIMUM OF 1" DIAMETER TO MEET MANUFACTURER RECOMMENDED VELOCITY OF 2FT/SECOND @ DESIGNED RECIRC PUMP GPM RATE.
5. ALL PIPING 2" AND LARGER SHALL BE COPPER ONLY.

WATER HEATERS / STORAGE TANKS

MARK	AREA SERVED	MANUFACTURER	MODEL	TANK SIZE (GAL)	HEAT INPUT MBH	HEAT INPUT KW	ELECTRICAL V	ELECTRICAL PH	ELECTRICAL HZ	NOTES
WH	KITCHEN/RESTAURANT	A.O. SMITH	CYCLONE BTH-199	100	199		120	1	60	B, D, 1

EXPANSION TANKS

MARK	MANUFACTURER	MODEL	DESCRIPTION
ET	AMTROL	EX-30	4.4 GALLON

RECIRCULATION PUMP

MARK	MANUFACTURER	MODEL	PUMP POWER W	PUMP POWER HP	ELECTRICAL V	ELECTRICAL PH	ELECTRICAL HZ	GPM	HEAD (FT)	DESCRIPTION
RP	BELL & GOSSETT GRUNDFOS ARMSTRONG ARMFLO	PL-30 UP26-96BF E7.2B	0	0.083	120	1	60	5	20	LEAD FREE BRONZE WET ROTOR INLINE CIRCULATOR PUMP WITH 1" FLANGED CONNECTIONS

GENERAL INFORMATION (WATER HEATER):
1. PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE FOR WATER HEATER.
2. PROVIDE VACUUM RELIEF VALVES FOR ALL WATER HEATER.
3. PROVIDE ALL OTHER ACCESSORIES FOR FULLY FUNCTIONAL SYSTEM.

NOTES:
A. PROVIDE 4" THICK CONCRETE HOUSEKEEPING PAD.
B. PROVIDE EXPANSION TANK (ET).
C. RECOVERY RATE: 261 GPH AT 90°F RISE.
D. CONTRACTOR PROVIDED DRAIN PAN.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	BRANCH SIZES (MIN) CW	HW	WASTE	VENT	MANUFACTURER	MODEL	DESCRIPTION, TRIM AND ACCESSORIES	NOTES
FS	FLOOR SINK			3"	2"	Zurn Industries, LLC.	FD2375-NH3-H	3" FLOOR SINK, ZURN Z19001 1/2 GRATE.	
FS C.I.	FLOOR SINK			3"	2"	SIOUX CHIEF	861-23XI2	3" FLOOR SINK W/ 1/2 GRATE AND 3" DOME STRAINER	CAST IRON
LAV	WALL HUNG LAVATORY	1/2"	1/2"	2"	1 1/2"	Zurn Industries, LLC.	Z5344	ZURN Z86500-XL-G-PT METERING CENTERSET FAUCET. ZURN Z1231 LAV CARRIER,	
HB	HB	1/2"				WOODFORD MFG., LLC.	24	ANTI-SIPHON WALL FACUET	ASSE 1011 STANDARD APPROVED.
WC	WATER CLOSET	1"		3"	2"	Zurn Industries, LLC.	Z5955SS-EL OPEN FRONT SEAT	FLUSH VALVE - ZURN Z6000AV-WS1-DF DUAL FLOW MANUAL FLUSH VALVE, HERCULES 90241 JUMBO WAX RING, JONES CO2-993 ANCHOR BOLT PACKAGE,	MOUNT FLUSH CONTROL ON WIDE SIDE OF STALL FOR ACCESSIBILITY.

GENERAL INFORMATION (ALL FIXTURES):
-P-TRAP WITH CLEANOUT PLUG AND SINK CONTINUOUS WASTES: POLISHED CHROME-PLATED TUBULAR BRASS, 17 GAUGE WITH BRASS NUTS AND SLIP INSERTS.
-SS BRAIDED WATER SUPPLY: FLEXIBLE BRAIDED STAINLESS STEEL (SS) OUTER SHEATHING WITH REINFORCED PVC INNER TUBING.
-STOP VALVES: CHROME PLATED BRASS, QUARTER TURN ANGLE STOP VALVES.

FLOOR DRAIN SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION
FD	SIOUX CHIEF JOSAM OATEY	842 VEF 400J 72000	LIGHT DUTY ADJUSTABLE PVC WITH THREADED ADAPTER AND 6" SQUARE NICKEL BRONZE RING AND FASTENED GRATE

GENERAL INFORMATION (AS APPLICABLE):
1. REFER TO PLANS FOR DRAIN OUTLET SIZE.
2. LOAD CLASSIFICATIONS: LIGHT DUTY <2000 LBS, MEDIUM DUTY 2000 TO 4999 LBS, HEAVY DUTY 5000 TO 7499 LBS, EXTRA HEAVY DUTY 7500 TO 9999 LBS.

CLEANOUT SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION
WCO	ZURN SIOUX CHIEF MIFAB JAY R. SMITH JOSAM WATTS WADE	Z1470 (Z1469) 873 C1430 4472T 58540 (58600) CO-590-RD 8590 (8480R)	THREADED, COUNTERSUNK BRONZE OR POLYPROPYLENE CLEANOUT PLUG. (PROVIDE DRILLED TAP FOR CENTER SCREW AND STAINLESS STEEL COVER FOR FINISHED AREAS.)

SPECIALTY PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER	MODEL	FIXTURE DESCRIPTION
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER	WATTS BEECO FEBCO WILKINS	LF009QT OR LF909 FRP-LF LF860 375XL OR 975XL	LEAD FREE, PROVIDE STRAINER, SHUT-OFF VALVES AND TEST COCKS: INSTALL DRAIN LINE WITH AIR GAP ASSEMBLY TO RECEPTOR APPROVED BY AUTHORITY HAVING JURISDICTION. MINIMUM 175 PSI WORKING PRESSURE.
TP	TRAP PRIMER	ZURN	Z1021WL-PC	WATER SAVER TRAP PRIMER
MV	MIXING VALVE	WATTS	LFMMV	SET TO 110 DEGREES MAX.

PIPE AND FITTINGS

EXTERIOR CLEAN-OUT
FLOOR CLEAN-OUT
WALL CLEANOUT
FLOOR DRAIN
FLOOR SINK
VENT THRU ROOF
HOSE BIBB
GATE VALVE
CHECK VALVE
GAS COCK AND UNION
MECHANICAL GAS VALVE
GAS REGULATOR
GAS METER
WATER HEATER CONCENTRIC FLUE
NEW TO EXISTING

ABBREVIATIONS

A	
AIR	AIR
AAV	AIR ADMITTANCE VALVE
ABV	ABOVE
ACCU	AIR COOLED CONDENSING UNIT
ACL	ACETYLENE GAS
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	AIR FILTER
AFF	ABOVE FINISHED FLOOR
AFH	AIR FILTER, HIGH EFFICIENCY
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
AR	ACID RESISTANT
ASSY	ASSEMBLY
AUX	AUXILIARY
AV	AUTOMATIC AIR VENT
B	
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSE POWER
BP	BACKFLOW PREVENTER
BS	BIRD SCREEN
C	
C	CONDENSATE
CL	CENTER LINE
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHDR	CHEMICAL DRAIN
CHP	CHILLED WATER PUMP
CLG	CEILING
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUED/CONTINUATION/CONTINUOUS
COTG	CLEAN OUT TO GRADE
CU	CONDENSING UNIT/COPPER
CV	CONSTANT VOLUME
CW	COLD WATER
D	
DDC	DIRECT DIGITAL CONTROL
DG	DOOR GRILLE
DIA	DIAMETER
DIM	DIMENSION
DMPR	DAMPER
DN	DOWN
DPS	DIFFERENTIAL PRESSURE SWITCH
DR	DRAIN
DSD	DUCT SMOKE DETECTOR
DSW	DISTILLED WATER
DWG	DRAWING
E	
EAT	ENTERING AIR TEMPERATURE
ED	EQUIPMENT DRAIN
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
EL	ELEVATION
ELEC	ELECTRICAL
ENT	ENTERING
ER	EXHAUST REGISTER
EWB	ENTERING WET BULB
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EWS	EYE WASH/SHOWER STATION
F	
FCO	FLOOR CLEANOUT
FD	FIRE DAMPER/FLOOR DRAIN
FH	FUME HOOD
FL	FLOOR
FLEX	FLEXIBLE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FP	FIRE PUMP
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FT	FEET
FV	FACE VELOCITY
G	
GA	GAUGE
GIV	GRAVITY INTAKE VENTILATOR
GND	GROUND
GPM	GALLONS PER MINUTE
GRV	GRAVITY RELIEF VENTILATOR
H	
HB	HOSE BIBB
HORIZ	HORIZONTAL
HP	HORSE POWER/HEAT PUMP
HTG	HEATING
HUMID	HUMIDISTAT
HWS	HOT WATER SUPPLY
HWB	HOT WATER BOILER
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
I	
ID	INSIDE DIAMETER
IN	INCHES
INV EL	INVERT ELEVATION
K	
KW	KILOWATT
L	
LAB	LABORATORY
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LB	POUND
LD	LINEAR DIFFUSER
LDB	LEAVING DRY BULB
LF	LINEAR FEET
LFD	LAMINAR FLOW DIFFUSER
LP	LIQUID PROPANE
L/S	LITERS PER SECOND
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
M	
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MB	MIXING BOX/MOP BASIN
MBH	THOUSAND BTU/HR
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MIN	MINUTE/MINIMUM
MM	MILLIMETERS
MS	MOTOR STARTER
N	
N	NITROGEN
NC	NORMALLY CLOSED
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NUMBER
NOX	NITROGEN OXIDE
NTS	NOT TO SCALE
O	
O	OXYGEN
OA	OUTSIDE AIR
OAL	OUTSIDE AIR LOUVER
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OS	OVERFLOW SCUPPER
OS&Y	OUTSIDE SCREW & YOKE
P	
PD	PRESSURE DROP
POC	POINT OF CONNECTION
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	
RA	RETURN AIR
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RC	RAIN CONDUCTOR
RD	ROOF DRAIN
REF	REFERENCE
RF	RETURN FAN
RL	RAIN LEADER
RM	ROOM
RTN	RETURN
S	
SA	SUPPLY AIR
SAG	SUPPLY AIR GRILLE
SAN	SANITARY
SAR	SUPPLY AIR REGISTER
SD	SMOKE DAMPER
SD/FD	COMB. SMOKE DAMPER\FIRE DAMP.
SF	EXHAUST
SH	SHEET
SP	STATIC PRESSURE
SQ.FT	SQUARE FEET
SST	STAINLESS STEEL
T	
TCU	TERMINAL CONTROL UNIT
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TP	TRAP PRIMER
TYP	TYPICAL
U	
UC	UNDERCUT
V	
V	VENT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
VTR	VENT THRU ROOF
W	
W/	WITH
W/O	WITHOUT
WCO	WALL CLEANOUT
WC	WATER COLUMN
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTORS
WR	WATER RISER
WTR	WATER

NOTE:
THIS IS A STANDARD SYMBOLS & ABBREVIATIONS SHEET. THEREFORE, SOME SYMBOLS & ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT ON THE PLANS.

LINETYPES

EX. SANITARY SEWER
SANITARY SEWER
EX. GREASE WASTE
GREASE WASTE
EX. CAST IRON PIPING
CAST IRON PIPING
EX. VENT PIPING
VENT PIPING
CONDENSATE PIPING
NON-POTABLE COLD WATER
EX. POTABLE COLD WATER
POTABLE COLD WATER
POTABLE FILTERED COLD WATER
EX. POTABLE HOT WATER
POTABLE HOT WATER
EX. POTABLE HOT WATER RETURN
POTABLE HOT WATER RETURN
EX. GAS PIPING
GAS PIPING

PIPE TAGS

CW	POTABLE COLD WATER
HW	POTABLE HOT WATER
HWR	POTABLE HOT WATER RETURN
V	VENT
SS	SANITARY SEWER
GW	GREASE WASTE
G	NATURAL GAS
VTR	VENT THROUGH ROOF

SANITARY SEWER GENERAL NOTES

SANITARY SEWER GENERAL NOTES

1. PROVIDE CLEANOUTS AT LOCATIONS AND WITH CLEARANCES AS REQUIRED BY THE CODE NOT EXCEEDING 100 FEET IN HORIZONTAL RUNS AT EACH CHANGE OF DIRECTION, VERTICAL OR HORIZONTAL, GREATER THAN 45°. AT THE BASE OF EACH WASTE OR VENT STACK 5 FEET AFF. PROVIDE WALL CLEANOUTS IN LIEU OF FLOOR CLEANOUTS WHEREVER POSSIBLE. ALL INTERIOR CLEANOUTS SHALL BE ACCESSIBLE FROM WALLS OR FLOORS.
2. SEWER PIPE OUTSIDE OF BUILDING SHALL BE INSTALLED NO LESS THAN 6" BELOW THE FROST LINE.
3. MAINTAIN MINIMUM OF 10 FEET CLEARANCE BETWEEN ANY VTR AND OUTSIDE AIR INTAKES. WHERE HORIZONTAL CLEARANCE CANNOT BE PROVIDED, EXTEND VENTS A MIN OF 24" ABOVE EACH OUTSIDE AIR INTAKE.
4. VTR'S ROOF PENETRATIONS, WATER PROOFING AND FLASHINGS SHALL BE PROVIDED BY ROOF CONTRACTOR.
5. ALL TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR. TEST ALL SEWER AND VENT SYSTEMS IN PRESENCE OF OWNER'S REPRESENTATIVE.
6. INVERT ELEVATION SHOWN BASED ON 100.0 FT. FF ELEVATION, REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATIONS.

DOMESTIC WATER GENERAL NOTES

DOMESTIC WATER GENERAL NOTES

1. CUTOFF VALVES AND STOPS SHALL BE PROVIDED WHERE SHOWN ON DRAWINGS AND AT FIXTURE CONNECTIONS.
2. TEST ALL WATER SYSTEM IN PRESENCE OF OWNER'S REPRESENTATIVE AT MIN. 100 PSIG FOR 8 HOURS. SANITARY, WASTES, AND VENTS SHALL BE TESTED WITH 10' HEAD OF WATER FOR 8 HOURS WITH LEVEL OF WATER REMAIN UNCHANGED.
3. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
4. INSTALL ALL WATER PIPING SYSTEMS SO THAT THEY WILL NOT BE SUBJECT TO ANY UNDUE STRAINS OR STRESSES. PROVISIONS SHALL BE MADE FOR EXPANSION, CONTRACTION AND STRUCTURAL SETTLEMENT.
5. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOOR CEILING ASSEMBLY SHALL BE INSTALLED AND SEALED TO MAINTAIN FIRE RATING WITH U.L. LISTED ASSEMBLIES, MATERIALS AND SEALANTS.
6. BELOW GROUND PIPE SHALL BE INSTALLED NO LESS THAN 6" BELOW FROST LINE. REFER TO STRUCTURAL DETAILS FOR FOUNDATION PENETRATION.
7. DRAWING IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO BE SCALED FOR DIMENSIONS.
8. COORDINATE LOCATION OF PLUMBING WORK WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES.
9. ALL TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR, WITHOUT EXTRA COST FOR THE OWNER.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A WATER FLOW AND PRESSURE TEST FOR EVALUATING INCOMING DOMESTIC SERVICE PRESSURES.
11. WHERE STREET WATER MAIN PRESSURES FLUCTUATE, THE BUILDING WATER DISTRIBUTION SYSTEM SHALL BE DESIGNED FOR MINIMUM PRESSURE AVAILABLE. WHEREVER WATER PRESSURE FROM THE STREET MAIN OR OTHER SOURCE OF SUPPLY IS LESS THAN 60 PSI, A WATER PRESSURE BOOSTER SYSTEM SHALL BE INSTALLED ON THE BUILDING WATER SUPPLY SYSTEM. WHERE WATER PRESSURE WITHIN A BUILDING EXCEEDS 80 PSI STATIC, AN APPROVED WATER-PRESSURE REDUCING VALVE WITH STRAINER CONFORMING TO ASSE 1003 SHALL BE INSTALLED TO REDUCE THE PRESSURES TO BELOW 80 PSI.

LOCATION AND CONFIGURATION OF EXISTING WASTE/VENT, WATER, AND GAS PIPING ARE BASED ON PRIOR CONSTRUCTION DOCUMENT PLANS. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO STARTING WORK. MAKE ADJUSTMENTS AS REQUIRED BASED ON ACTUAL BUILDING EQUIPMENT CONFIGURATION.

ORIGINAL PROJECT (REV2 AND PREVIOUS) WAS FOR A RIB CRIB RESTAURANT. UPDATED PLANS (REV3) ARE FOR A CONVERSION TO A BIG CHICKEN RESTAURANT. SEE PREVIOUS RIB CRIB PERMIT DRAWINGS, ESPECIALLY FOR ANY UNREVISED DRAWINGS WHICH STILL APPLY TO THE BIG CHICKEN CONVERSION. REV3 PLANS ATTEMPT TO SHOW CURRENT STATUS OF CONSTRUCTION (NEW VS EXISTING). PC TO FIELD VERIFY AND CONFIRM EXISTING SYSTEMS AS CURRENTLY BUILT. CONTRACTOR IS RESPONSIBLE TO UPDATE FIELD INSTALLATION TO STATUS OF NEW WORK SHOWN IN THESE PLANS.

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE PLUMBING CONTRACTOR SHALL INSTALL THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT SITE TO EXAMINE SITE CONDITIONS. CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS AND REUSE AND RECONNECT TO EXISTING SERVICE WHERE POSSIBLE. ALL REUSED PIPING AND EQUIPMENT MUST COMPLY WITH STATE AND LOCAL PLUMBING CODE.

WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER AND COMPANY CANNOT GUARANTEE AGAINST ERROR OR UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR OR BUILDER MUST CHECK ALL DIMENSIONS, DETAILS AND REPORT ANY DISCREPANCIES.

LMHT Project No. 23104.00

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ANTHONY THORNTON JR. LICENSED No. 50383 STATE OF FLORIDA PROFESSIONAL ENGINEER
11/10/23

THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PREPARED BY LMHT ASSOCIATES FOR THIS PROJECT ARE INSTRUMENTS OF LMHT'S SERVICE FOR USE SOLELY WITH RESPECT TO THIS PROJECT, AND LMHT SHALL BE DEEMED THE AUTHOR OF THE DOCUMENTS AND SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THEREIN. THE DOCUMENTS SHALL NOT BE COPIED, USED OR PUBLISHED BY ANY PERSON OR ENTITY FOR ANY PURPOSE WHATSOEVER, EXCEPT WITH THE EXPRESS WRITTEN PERMISSION OF LMHT. VISUAL CONTACT WITH THESE DOCUMENTS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. ANY UNAUTHORIZED USE AND KNOWING OR INTENTIONAL INFRINGEMENT OF COPYRIGHTS MAY RESULT IN IRREPARABLE HARM TO LMHT AND MAY ENTITLE LMHT TO SEEK INJUNCTIVE RELIEF AND MONETARY DAMAGES FROM ANY PERSON OR ENTITY DOING SO. ALL UNPUBLISHED RIGHTS RESERVED.
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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: PLUMBING NOTES AND SCHEDULES

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
Drawn By JCL
Checked By SDS
Sheet No. P001

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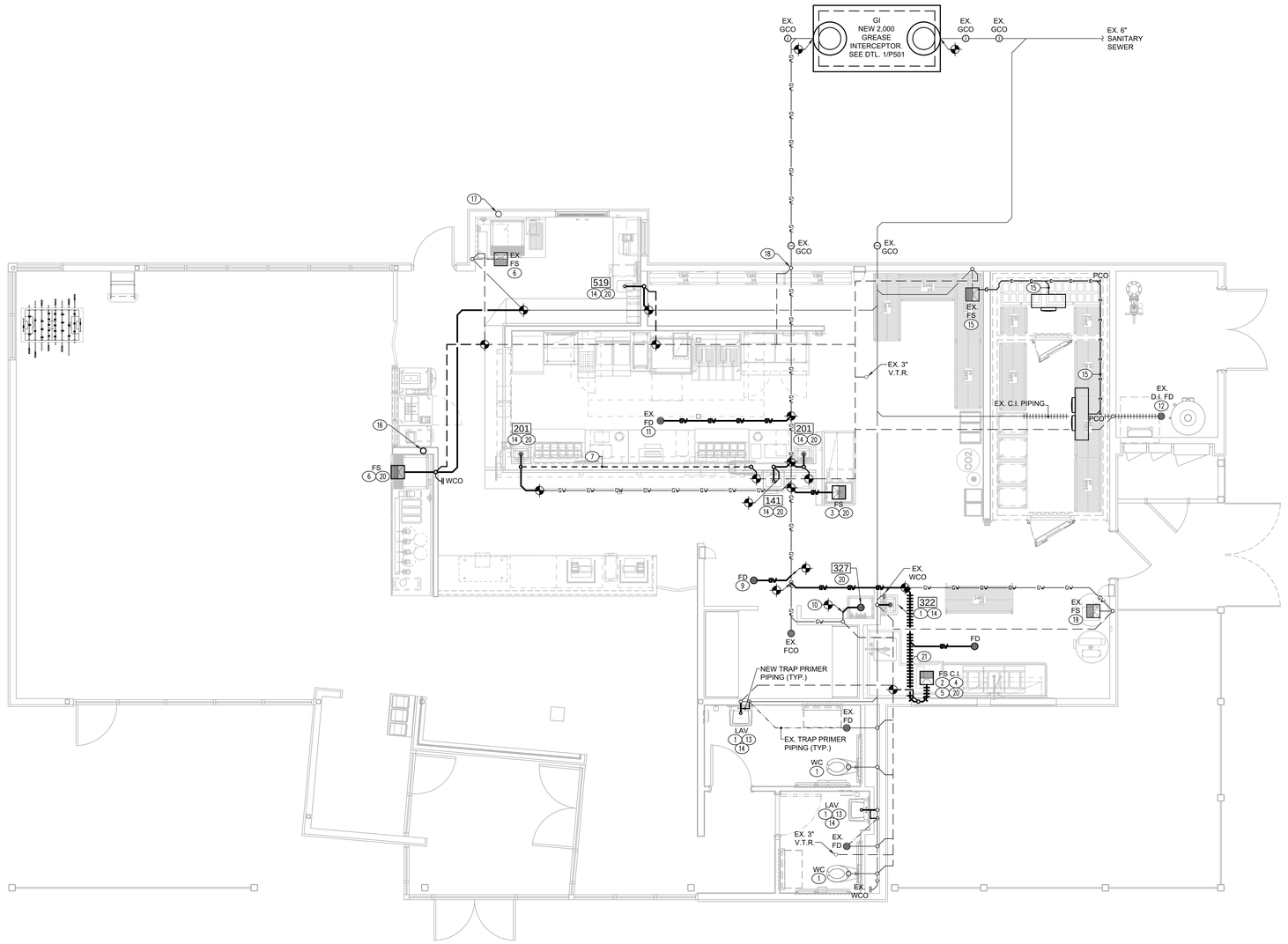

GENERAL NOTES:

1. SEE SHEET P001 FOR ALL GENERAL NOTES.
2. SEE RISER DIAGRAMS FOR ALL PIPE SIZES NOT SHOWN.
3. FIELD VERIFY ALL INVERTS BEFORE THE START OF ANY WORK.
4. SEE FOUNDATION PLANS FOR PIPES THROUGH WALLS AND FOOTING DETAILS.

CONSTRUCTION NOTES:

1. CONNECT NEW FIXTURE TO EXISTING WASTE/VENT SYSTEM AT LOCATION. VERIFY EXISTING CONDITIONS IN FIELD AND ADJUST PIPING AS REQUIRED TO MEET STATE AND LOCAL PLUMBING CODE.
2. ROUTE 2" SINK COMPARTMENT DRAINS INDIVIDUALLY TO FLOOR SINK. PROVIDE AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE.
3. ROUTE 1 1/2" SINK COMPARTMENT DRAIN TO FLOOR SINK. PROVIDE AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE.
4. PROVIDE DRAIN FROM DISHWASHER TO FLOOR SINK. TERMINATE WITH 2" AIR GAP (MIN.). VERIFY HOOD DRAIN SIZE WITH HOOD MANUFACTURER.
5. PROVIDE COPPER WASTE PIPING FROM DIRTY DISHTABLE TO WASTE RECEPTOR. PROVIDE AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE.
6. ROUTE EQUIPMENT DRAIN(S) DOWN TO FLOOR RECEPTOR. PROVIDE AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE.
7. ROUTE 1 1/2" VENT HORZ. INSIDE LOW WALL TO FULL HEIGHT WALL AND ABOVE CEILING. CONNECT TO BRANCH VENT PIPING.
8. INSTALL NEW FLOOR DRAIN IN SAME LOCATION FROM REMOVED FLOOR SINK AND RECONNECT TO REMOVED FLOOR SINK DRAINAGE. SEE DEMO PLAN, SHEET PD111. FIELD VERIFY DISTANCE FROM FIXTURE TO VENT WILL MEET STATE AND LOCAL CODE. IF NOT, RECONFIGURE VENTING AS REQUIRED TO MEET STATE AND LOCAL PLUMBING CODE.
9. INSTALL NEW FLOOR DRAIN IN SAME LOCATION FROM REMOVED FLOOR SINK AND ROUTE DRAINAGE TO GREASE WASTE AS SHOWN ON PLANS. SEE DEMO PLAN, SHEET PD101.
10. EXTEND EXISTING 3" WASTE PIPING AS REQUIRED FOR NEW MOP SINK.
11. ROUTE NEW 3" GREASE WASTE PIPING W/ P-TRAP FOR EXISTING FLOOR DRAIN. CONNECT TO EXISTING GREASE WASTE MAIN.
12. ROUTE WATER HEATER T&P RELIEF VALVE DRAINAGE INDIRECTLY TO FLOOR DRAIN AND TERMINATE WITH AIR GAP TWICE THE DIAMETER OF THE DRAIN PIPE.
13. EXISTING TRAP PRIMER PIPING BELOW SLAB TO EXISTING FLOOR DRAIN TO REMAIN. CONNECT NEW TRAP PRIMER TO NEW LAVATORY AND CONNECT TO EXISTING TRAP PRIMER PIPING.
14. PROVIDE LAVATORY/HAND SINK AND TRUEBRO (OR EQUAL) PIPING PROTECTION ON LAVATORY/HAND SINK EXPOSED HOT WATER, COLD WATER, AND DRAIN PIPING BELOW SINK.
15. 1" TRAPPED CONDENSATE PIPING FROM COOLER/FREEZER CONDENSING COILS. PROVIDE AND INSTALL HEAT TRACE TAPE (10 W/LIN. FT.) ON PIPING WITHIN FREEZER. SLEEVE AND SEAL THRU COOLER/FREEZER WALL AT 4" ABOVE FINISHED FLOOR. TERMINATE INDIRECTLY OVER FLOOR SINK WITH AIR GAP TWICE THE DIAMETER OF DRAIN PIPE.
16. ROUTE SYRUP LINES OVERHEAD, DOWN INSIDE WALL IN A PVC CHASE AND PENETRATE BELOW EQUIPMENT AND ROUTE TO SODA SYSTEM. COORDINATE WITH BEVERAGE VENDOR.
17. EXISTING SYRUP LINE PVC CHASE TO BE REUSED. ROUTE SYRUP LINES OVERHEAD, DOWN INSIDE EXISTING PVC CHASE TO BELOW EQUIPMENT AND ROUTE TO SODA SYSTEM. COORDINATE WITH BEVERAGE VENDOR. ADJUST EXISTING PVC CHASE PER COUNTER DIMENSIONS. COORDINATE WITH EQUIPMENT VENDOR AND GC.
18. PC SHALL ATTEMPT TO LOCATE VENT WITHIN 15' OF GREASE TRAP.
19. REPLACE EXISTING FLOOR SINK GRATE WITH FULL SIZED GRATE, AS REQUIRED. VERIFY IN FIELD.
20. REFER TO SHEET QF200 FOR PLUMBING ROUGH-IN DIMENSIONS.
21. PROVIDE CAST IRON P-TRAP AND 10' MINIMUM OF CAST IRON WASTE PIPING LEADER.

LOCATION AND CONFIGURATION OF EXISTING WASTE/VENT, WATER, AND GAS PIPING ARE BASED ON PRIOR CONSTRUCTION DOCUMENT PLANS. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO STARTING WORK. MAKE ADJUSTMENTS AS REQUIRED BASED ON ACTUAL BUILDING EQUIPMENT CONFIGURATION.

ORIGINAL PROJECT (REV2 AND PREVIOUS) WAS FOR A RIB CRIB RESTAURANT. UPDATED PLANS (REV3) ARE FOR A CONVERSION TO A BIG CHICKEN RESTAURANT. SEE PREVIOUS RIB CRIB PERMIT DRAWINGS, ESPECIALLY FOR ANY UNREVISED DRAWINGS WHICH STILL APPLY TO THE BIG CHICKEN CONVERSION. REV3 PLANS ATTEMPT TO SHOW CURRENT STATUS OF CONSTRUCTION (NEW VS EXISTING). PC TO FIELD VERIFY AND CONFIRM EXISTING SYSTEMS AS CURRENTLY BUILT. CONTRACTOR IS RESPONSIBLE TO UPDATE FIELD INSTALLATION TO STATUS OF NEW WORK SHOWN IN THESE PLANS.

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1
1/4" = 1'-0"
SANITARY PLAN

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: SANITARY PLAN

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By JCL

Checked By SDS

Sheet No. P101

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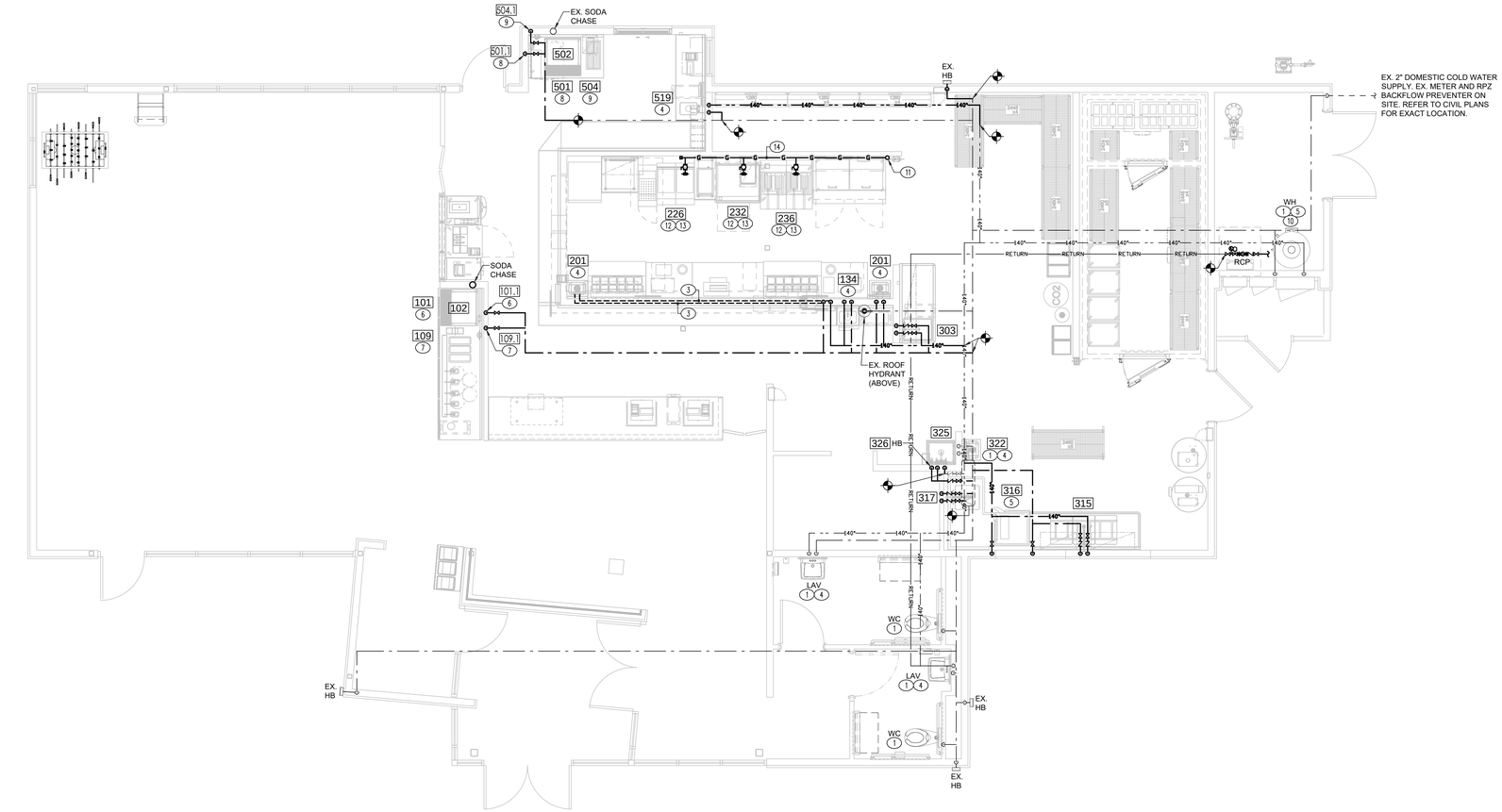

GENERAL NOTES:

1. SEE SHEET P001 FOR ALL GENERAL NOTES.
2. SEE RISER DIAGRAMS SHEET FOR ALL PIPE SIZES NOT SHOWN.
3. SEE FOUNDATION PLANS FOR PIPES THROUGH WALLS AND FOOTING DETAILS.
4. PROVIDE BUILDING PRESSURE RELIEF VALVE IF THE BUILDING PRESSURE IS 80 PSI OR ABOVE. SET PRV AT 75 PSI (MAX.)

CONSTRUCTION NOTES:

1. CONNECT NEW FIXTURE TO EXISTING WATER STUB-OUTS AT LOCATION. VERIFY EXISTING CONDITIONS IN FIELD AND ADJUST PIPING AS REQUIRED TO MEET STATE AND LOCAL PLUMBING CODE.
2. NOT USED.
3. ROUTE 1/2" CW/HW PIPING INSIDE LOW WALL TO FULL HEIGHT WALL AND ABOVE CEILING. CONNECT TO CW/HW BRANCH PIPING.
4. PROVIDE MIXING VALVE BELOW EACH HAND SINK/LAVATORY, SET TEMPERATURE TO MAINTAIN 110° (MAX.). SEE DETAIL 10/P501.
5. INSTALL CPVC PIPING AND CONNECTIONS TO WATER HEATER, DISHWASHER, AND ALL OTHER EQUIPMENT PER ALL LOCAL AND STATE PLUMBING CODE REQUIREMENTS AS CONCERNING CPVC PIPING.
6. ROUTE 1/2" CW TO ICE MACHINE FILTER #101.1. MOUNT FILTER INSIDE DRINK CABINET. COORDINATE EXACT LOCATION OF INSTALLATION WITH GC AND EQUIPMENT VENDOR. PROVIDE SHUT OFF VALVES ON INLET AND OUTLET OF FILTER. INSTALL BACKFLOW PREVENTER AND ROUTE 1/2" FILTERED WATER TO ICE MACHINE. REFER TO BACKFLOW PREVENTION SCHEDULE ON SHEET P001.
7. ROUTE 1/2" CW TO CARBONATOR FILTER #109.1. MOUNT FILTER INSIDE DRINK CABINET. COORDINATE EXACT LOCATION OF INSTALLATION WITH GC AND EQUIPMENT VENDOR. PROVIDE SHUT OFF VALVES ON INLET AND OUTLET OF FILTER. INSTALL BACKFLOW PREVENTER AND ROUTE 1/2" FILTERED WATER TO CARBONATOR. REFER TO BACKFLOW PREVENTION SCHEDULE ON SHEET P001.
8. ROUTE 1/2" CW TO ICE MACHINE FILTER #501.1. MOUNT FILTER AS HIGH AS POSSIBLE ON WALL. COORDINATE EXACT LOCATION OF INSTALLATION WITH GC AND EQUIPMENT VENDOR. PROVIDE SHUT OFF VALVES ON INLET AND OUTLET OF FILTER. INSTALL BACKFLOW PREVENTER AND ROUTE 1/2" FILTERED WATER TO ICE MACHINE. REFER TO BACKFLOW PREVENTION SCHEDULE ON SHEET P001.
9. ROUTE 1/2" CW TO CARBONATOR FILTER #504.1. MOUNT FILTER AS HIGH AS POSSIBLE ON WALL. COORDINATE EXACT LOCATION OF INSTALLATION WITH GC AND EQUIPMENT VENDOR. PROVIDE SHUT OFF VALVES ON INLET AND OUTLET OF FILTER. INSTALL BACKFLOW PREVENTER AND ROUTE 1/2" FILTERED WATER TO CARBONATOR. REFER TO BACKFLOW PREVENTION SCHEDULE ON SHEET P001. GC SHALL SECURE CARBONATOR ON A SHELF HIGH ON WALL.
10. GAS PIPING FROM ABOVE CEILING TO WATER HEATER. SEE DETAIL 12/P501 AND GAS RISER.
11. INSTALL ANSUL SUPPLIED ELECTRIC GAS VALVE, VALVE PROVIDED WITH HOOD ANSUL SYSTEM PACKAGE. FIELD COORDINATE. MOUNT BELOW CEILING. SECURE GAS TO ADJACENT WALLS AS REQUIRED.
12. PROVIDE AND INSTALL GAS CONNECTIONS TO EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS. PROVIDE 6" DIRT LEG, UNION, REGULATOR AND GAS COCK ON OR BEFORE ALL GAS FIRED EQUIPMENT.
13. INSTALL 18" GAS FLEX HOSE FLEXIBLE CONNECTION TO ALLOW EQUIPMENT TO BE MOVED FOR CLEANING WITH QUICK DISCONNECT (PROVIDED BY F.EC).
14. ROUTE GAS HEADER AT 12" A.F.F. TO COOKING EQUIPMENT AS SHOWN ON PLAN. SEE GAS RISER FOR BRANCH PIPE SIZES. SECURE GAS TO ADJACENT WALLS AS REQUIRED.

LOCATION AND CONFIGURATION OF EXISTING WASTE/VENT, WATER, AND GAS PIPING ARE BASED ON PRIOR CONSTRUCTION DOCUMENT PLANS. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO STARTING WORK. MAKE ADJUSTMENTS AS REQUIRED BASED ON ACTUAL BUILDING EQUIPMENT CONFIGURATION.

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1 WATER & GAS PLAN

1/4" = 1'-0"

LMHT Project No. 23104.00

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: WATER AND GAS PLAN

BIG CHICKEN 3

Revisions

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3 TENANT CHANGE. 11.03.2023

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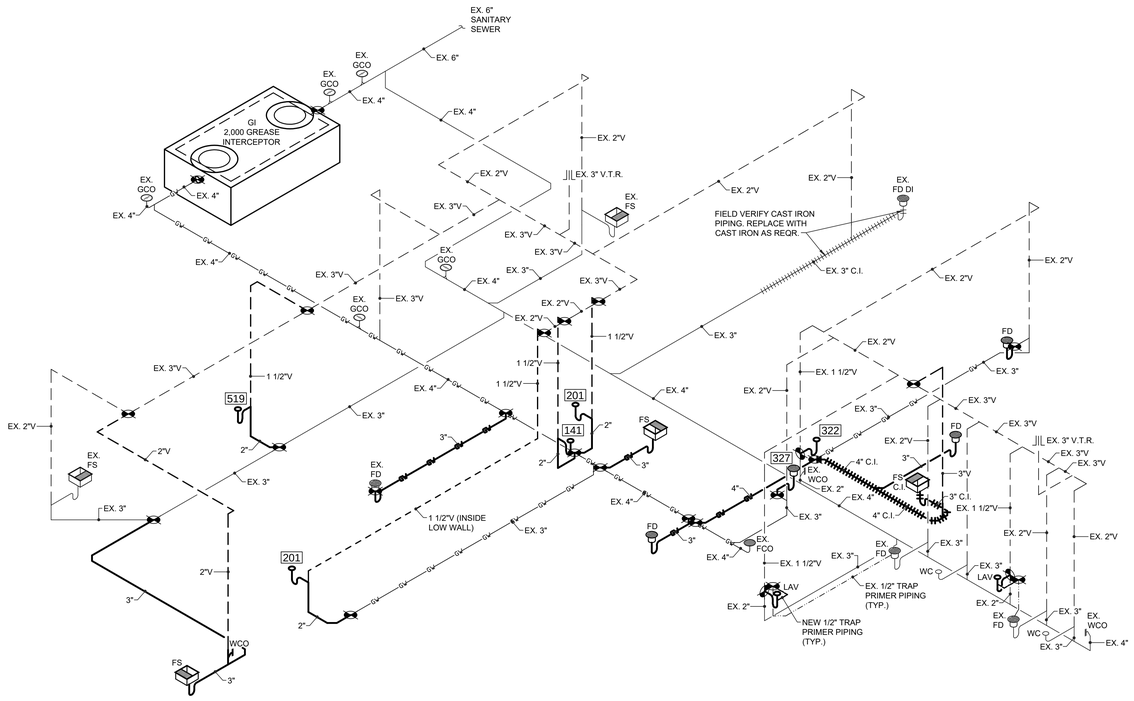
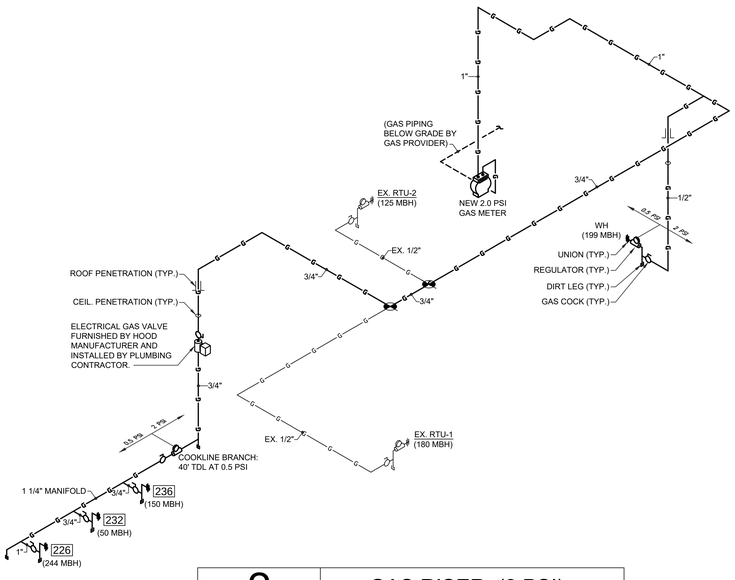


1	SANITARY RISER
NOT TO SCALE	



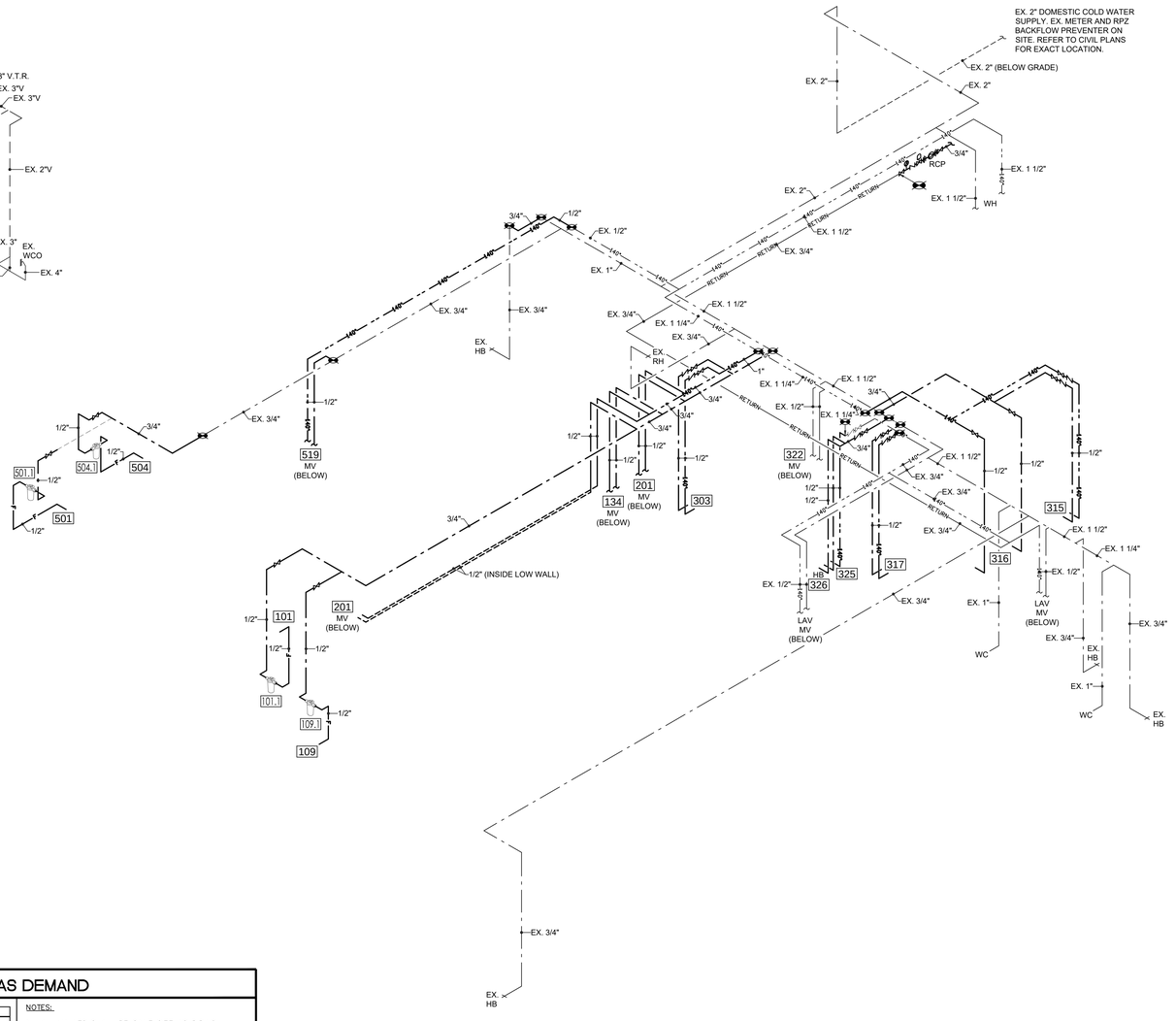
2	GAS RISER (2 PSI)
NOT TO SCALE	

GAS DEMAND

DEMAND (MBH)	
ITEM	IND. DEMAND
(#226) FRYERS	244.00
(#232) GRIDDLE	50.00
(#236) FRYERS	150.00
SUBTOTAL KITCHEN	444.00
EX. RTU-1	180.00
EX. RTU-2	125.00
SUBTOTAL HEATING	305.00
A.O. SMITH CYCLONE	199.00
SUBTOTAL WTR. HTR.	199.00
TOTAL DEMAND	948.00
MOST REMOTE FIXTURE DIST.(FT.)	125
BUILDING GAS MAIN SIZE	1"

NOTES:

1. ALL VALVES SHALL BE SAME SIZE AS PIPING SERVED (MIN.).
2. ALL GAS PIPE SIZES BASED ON NATURAL GAS: 2.0 PSI (MAX.), 1.0 PSI PRESSURE DROP 0.6 SPECIFIC GRAVITY. PC SHALL VERIFY THAT GAS SYSTEM PRESSURE DOES NOT EXCEED ALLOWABLE LIMITS OF GAS UTILIZATION EQUIPMENT. PC SHALL SELECT AND PROVIDE INDIVIDUAL PRESSURE REGULATORS FOR APPLIANCES TO REDUCE PRESSURE FROM 2 PSI TO THE REQUIRED UTILIZATION PRESSURE OF EQUIPMENT, UNLESS NOTED OTHERWISE. (SEE NAMEPLATE DATA). REGULATORS (MAXITROL SERIES 325) SHALL BE USED FOR ALL EQUIPMENT AND INSTALLED IN A HORIZONTAL POSITION. REGULATORS INSTALLED INSIDE BUILDING ARE TO BE PROVIDED WITH VENT LIMITING DEVICES (MAXITROL SERIES 12A39) OR APPROVED EQUAL.
3. PC SHALL INSTALL FLEXIBLE GAS HOSE WITH QUICK DISCONNECTS (PROVIDED BY FEC) BETWEEN GAS PIPING AND APPLIANCES. FLEXIBLE HOSE SHALL BE SAME SIZE AS BRANCH PIPE.
4. CONTRACTOR SHALL RUN FULL DIAMETER PIPE FROM GAS METER. ANY REDUCTION IN SIZE WILL NOT BE ACCEPTABLE.
5. COORDINATE WITH LOCAL UTILITY TO ENSURE 2.0 PSI IS AVAILABLE BEFORE THE START OF ANY WORK. IF NOT, THEN CONSULT ENGINEER FOR PROPER SIZING FOR AVAILABLE PRESSURE.



3	WATER RISER
NOT TO SCALE	

LMHT Project No. 23104.00

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: PLUMBING RISERS

BIG CHICKEN

Revisions

CONCEPT APPROVAL	10.06.2023
3	TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By: JCL

Checked By: SDS

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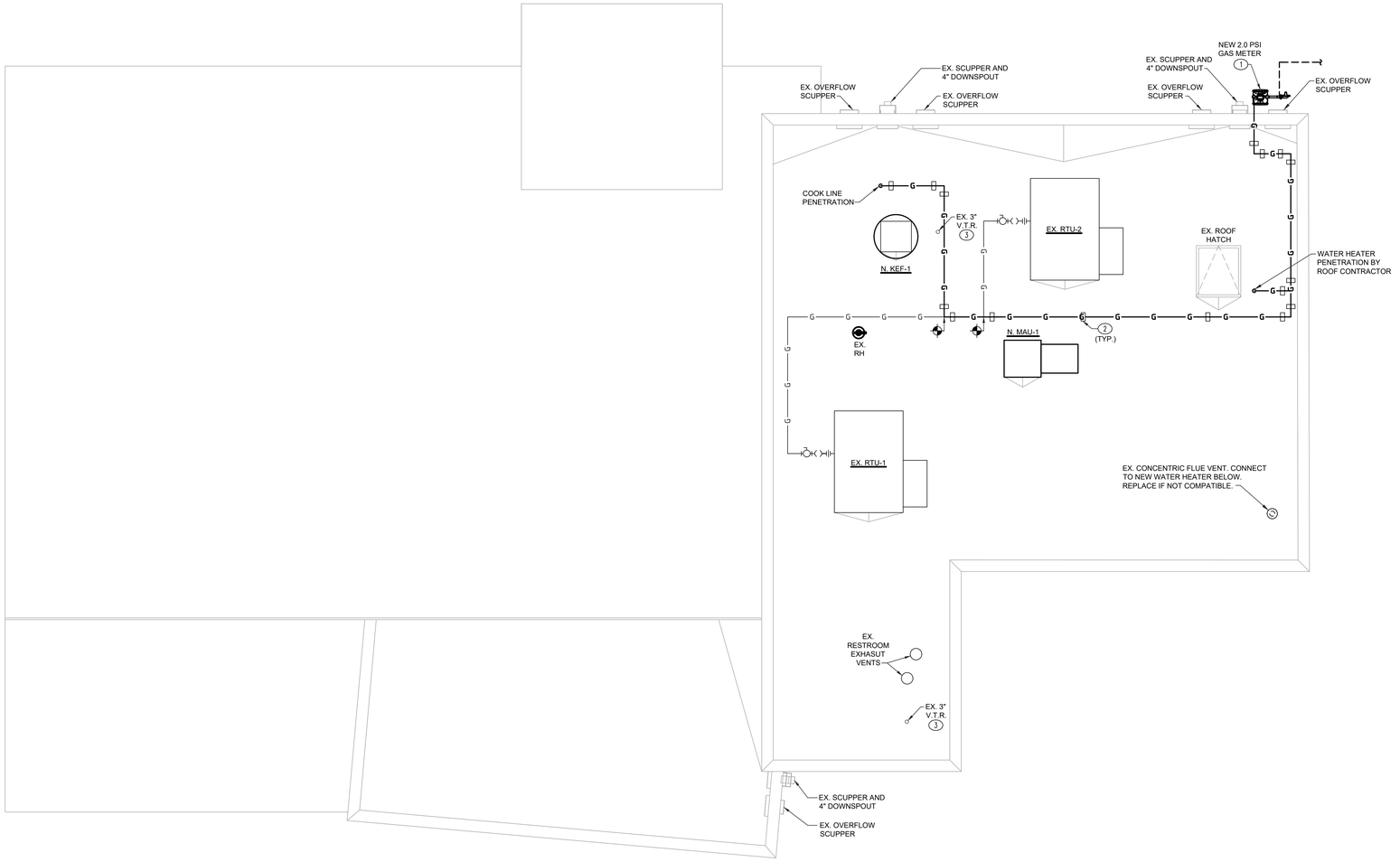

GENERAL NOTES:

A. SEE SHEET P001 FOR ALL GENERAL NOTES.

B. ALL PENETRATIONS THRU ROOF SHALL BE BY GENERAL CONTRACTOR AS PER ROOF MANUFACTURER'S STANDARD.

C. DO NOT SCALE DRAWING. ALL PLUMBING VENT OUTLETS THROUGH ROOF SHALL TERMINATE AT PARAPET HEIGHT (MIN.).

D. ALL PLUMBING ON ROOF MUST BE PERMANENTLY SECURED AND ABLE TO WITH STAND HIGH WIND LOADS.

CONSTRUCTION NOTES:

1. PC SHALL COORDINATE WITH LOCAL UTILITY FOR GAS METER PROVIDING 2.0 PSI NATURAL GAS SERVICE TO BUILDING.
2. PIPE SUPPORTS SPACED AT EVERY 10' AND AT ALL CHANGES IN DIRECTION (TYP.). SEE DETAIL 9/P501.
3. FIELD VERIFY LOCATION OF EXISTING VENT THROUGH ROOF. IF WITHIN 10'-0" OF FRESH AIR INTAKE, EXTEND VENT TO BE 2'-0" (MIN.) ABOVE FRESH AIR INTAKE.

LOCATION AND CONFIGURATION OF EXISTING WASTE/VENT, WATER, AND GAS PIPING ARE BASED ON PRIOR CONSTRUCTION DOCUMENT PLANS. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO STARTING WORK. MAKE ADJUSTMENTS AS REQUIRED BASED ON ACTUAL BUILDING EQUIPMENT CONFIGURATION.

ORIGINAL PROJECT (REV2 AND PREVIOUS) WAS FOR A RIB CRIB RESTAURANT. UPDATED PLANS (REV3) ARE FOR A CONVERSION TO A BIG CHICKEN RESTAURANT. SEE PREVIOUS RIB CRIB PERMIT DRAWINGS, ESPECIALLY FOR ANY UNREVISED DRAWINGS WHICH STILL APPLY TO THE BIG CHICKEN CONVERSION. REV3 PLANS ATTEMPT TO SHOW CURRENT STATUS OF CONSTRUCTION (NEW VS EXISTING). PC TO FIELD VERIFY AND CONFIRM EXISTING SYSTEMS AS CURRENTLY BUILT. CONTRACTOR IS RESPONSIBLE TO UPDATE FIELD INSTALLATION TO STATUS OF NEW WORK SHOWN IN THESE PLANS.

IF ANY DISCREPANCIES ARE FOUND ON THE PLANS, THE PLUMBING CONTRACTOR SHALL INSTALL THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT SITE TO EXAMINE SITE CONDITIONS. CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS AND REUSE AND RECONNECT TO EXISTING SERVICE WHERE POSSIBLE. ALL REUSED PIPING AND EQUIPMENT MUST COMPLY WITH STATE AND LOCAL PLUMBING CODE.

WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER AND COMPANY CANNOT GUARANTEE AGAINST ERROR OR UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR OR BUILDER MUST CHECK ALL DIMENSIONS, DETAILS AND REPORT ANY DISCREPANCIES.

1 PLUMBING ROOF PLAN

1/4" = 1'-0"

LMHT Project No. 23104.00

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: PLUMBING ROOF PLAN

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

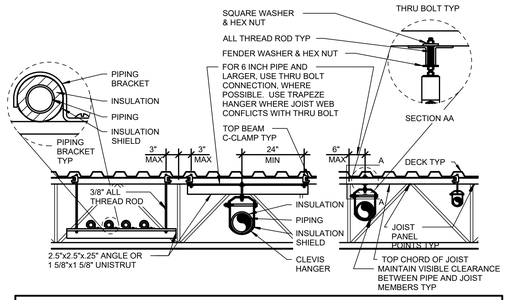
PROJECT DATE 11/10/2023

Drawn By JCL

Checked By SDS

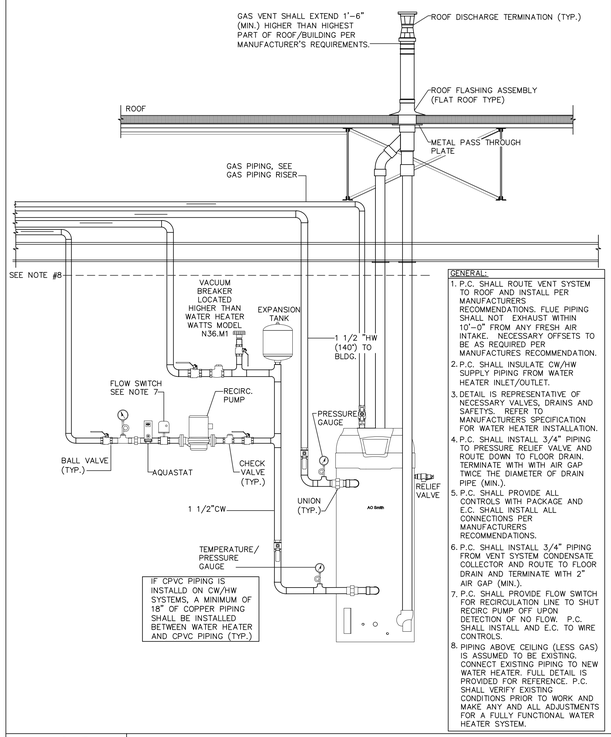
Sheet No. P201 3

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\P201v3.dwg
Plotted By: cnudsen
Plotted Date: Nov 10, 2023 - 4:05pm



NOTE:
1. UTILIZE FOR ALL PIPING EXCEPT SPRINKLER, ROOF DRAIN, AND REFRIGERATION PIPING.
2. SPACE HANGERS AND SUPPORTS IN ACCORDANCE WITH SPECIFICATIONS.
3. LOCATE HANGERS WITHIN 3 INCHES OF JOIST PANEL POINTS U.N.O.
4. DO NOT SUPPORT PIPING FROM BOTTOM CHORD OF BAR JOISTS.
5. INDIVIDUAL PIPES 3 INCH AND SMALLER NOT REQUIRED TO BE WITHIN 3 INCHES OF PANEL POINT.
6. FOR PIPE RUNNING PARALLEL TO JOISTS, ATTACH TRAPEZE BEAM CLAMPS TO JOISTS ON EACH SIDE OF PIPE TYP.
7. TRAPEZE HANGERS AND ALL THREAD RODS ARE SIZED TO CARRY (MAX) 6 - 3 INCH DIAMETER COPPER PIPES FULL OF WATER (37.62 LBS/FT) OR EQUIVALENT. IF LOAD EXCEEDS MAXIMUM, CONTACT THE EOR FOR PROPER SIZING.

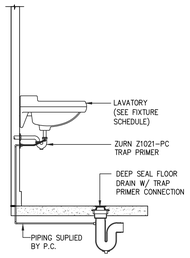
11 PIPING SUPPORT
NTS



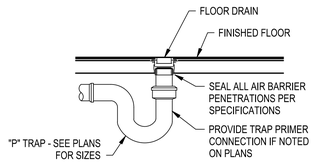
GENERAL:
1. P.C. SHALL ROUTE VENT SYSTEM TO ROOF AND INSTALL PER MANUFACTURERS RECOMMENDATIONS. FLUE PIPING SHALL NOT EXHAUST WITHIN 10'-0" FROM ANY FRESH AIR INTAKE. NECESSARY OFFSETS TO BE AS REQUIRED PER MANUFACTURES RECOMMENDATION.
2. P.C. SHALL INSULATE CW/HW SUPPLY PIPING FROM WATER HEATER INLET/OUTLET.
3. DETAIL IS REPRESENTATIVE OF NECESSARY VALVES, DRAINS AND SAFETYS. REFER TO MANUFACTURERS SPECIFICATION FOR WATER HEATER INSTALLATION.
4. P.C. SHALL INSTALL 3/4" PIPING TO PRESSURE RELIEF VALVE AND ROUTE DOWN TO FLOOR DRAIN. TERMINATE WITH WITH AIR GAP TWICE THE DIAMETER OF DRAIN PIPE (MIN.).
5. P.C. SHALL PROVIDE ALL CONTROLS WITH PACKAGE AND E.C. SHALL INSTALL ALL CONNECTIONS PER MANUFACTURERS RECOMMENDATIONS.
6. P.C. SHALL INSTALL 3/4" PIPING FROM VENT SYSTEM CONDENSATE COLLECTOR AND ROUTE TO FLOOR DRAIN AND TERMINATE WITH 2" AIR GAP (MIN.).
7. P.C. SHALL PROVIDE FLOW SWITCH FOR RECIRCULATION LINE TO SHUT RECIRC PUMP OFF UPON DETECTION OF NO FLOW. P.C. SHALL INSTALL AND E.C. TO WIRE CONTROLS.
8. PIPING ABOVE CEILING (LESS GAS) IS ASSUMED TO BE EXISTING. CONNECT EXISTING PIPING TO NEW WATER HEATER. FULL DETAIL IS PROVIDED FOR REFERENCE. P.C. SHALL VERIFY EXISTING CONDITIONS PRIOR TO WORK AND MAKE ANY AND ALL ADJUSTMENTS FOR A FULLY FUNCTIONAL WATER HEATER SYSTEM.

12 WATER HEATER DETAIL
NTS

13 NOT USED
NTS

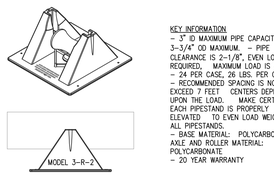


6 TRAP PRIMER (TP) CONNECTION
NTS



7 FLOOR DRAIN
NTS

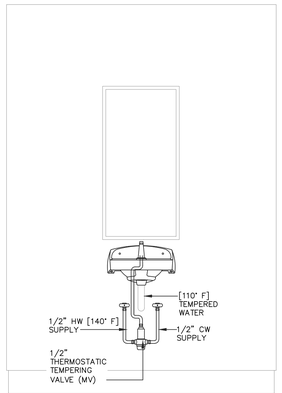
8 NOT USED
NTS



KEY INFORMATION
- 3" ID MAXIMUM PIPE CAPACITY 3-3/4" OD MAXIMUM. - PIPE CLEARANCE IS 2-1/8", EVEN LOAD REQUIRED. MAXIMUM LOAD IS 79 LBS. - 24 PER CASE, 26 LBS. PER CASE - RECOMMENDED SPACING IS NOT TO EXCEED 7 FEET CENTERS DEPENDING UPON THE LOAD. MAKE CERTAIN EACH PIPESTAND IS PROPERLY ELEVATED TO EVEN LOAD WEIGHT AT ALL PIPESTANDS.
- BASE MATERIAL: POLYCARBONATE - AXLE AND ROLLER MATERIAL: POLYCARBONATE
- 20 YEAR WARRANTY

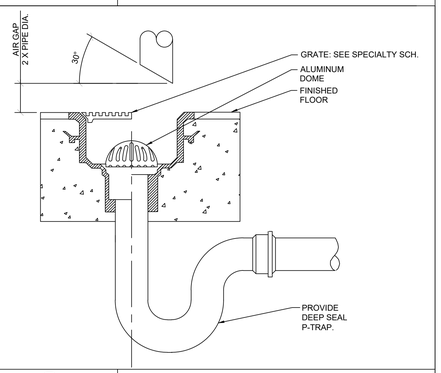
MIRO INDUSTRIES, INC. ROOFTOP SUPPORT PRODUCTS

9 GAS PIPE SUPPORTS
NTS

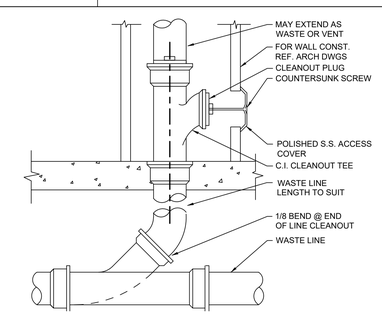


10 MIXING VALVE DETAIL
NTS

2 NOT USED
NTS

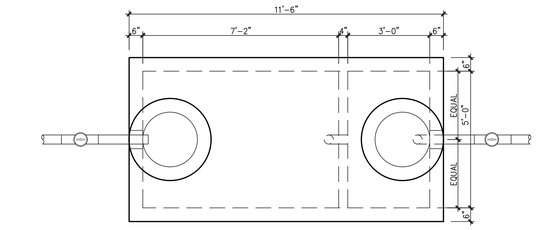


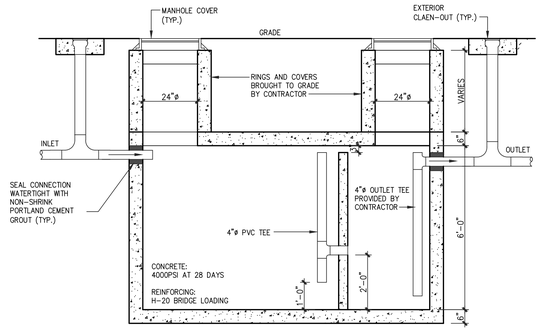
3 FLOOR SINK (FS)
NTS



4 WALL CLEAN-OUT (WCO)
NTS

5 NOT USED
NTS





NOTES:
1. GREASE TRAP SHALL BE DESIGNED BY MANUFACTURER TO RESIST ALL LOADS.
2. SHOP DRAWINGS SHALL SHOW EXACT DIMENSIONS, WALL THICKNESSES, CONC. STRENGTH, ETC.
3. GREASE TRAP INSIDE DIMENSIONS ARE APPROXIMATE & ANY CHANGES IN LENGTH x WIDTH x DEPTH SHALL BE ADJUSTED IN PROPORTIONS SHOWN.

1 2,000 GALLON GREASE INTERCEPTOR DETAIL
NOT TO SCALE

LMHT Project No. 23104.00

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11/10/23

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KEYED NOTES (1/MD101): ⬡

1. EXISTING DUCTWORK TO REMAIN UNLESS OTHERWISE NOTED. CAP AND SEAL ANY UNUSED DUCT OPENINGS AIRTIGHT.
2. REMOVE EXISTING DUCTWORK BACK TO POINT SHOWN.
3. EXISTING UNIT HEATER TO REMAIN.
4. EXISTING A/V DEVICES AND SMOKE DETECTORS TO REMAIN.
5. EXISTING THERMOSTATS AND SENSORS (TEMPERATURE AND HUMIDITY) TO REMAIN.
6. EXISTING RESTROOM EXHAUST FAN AND DUCT TO REMAIN.

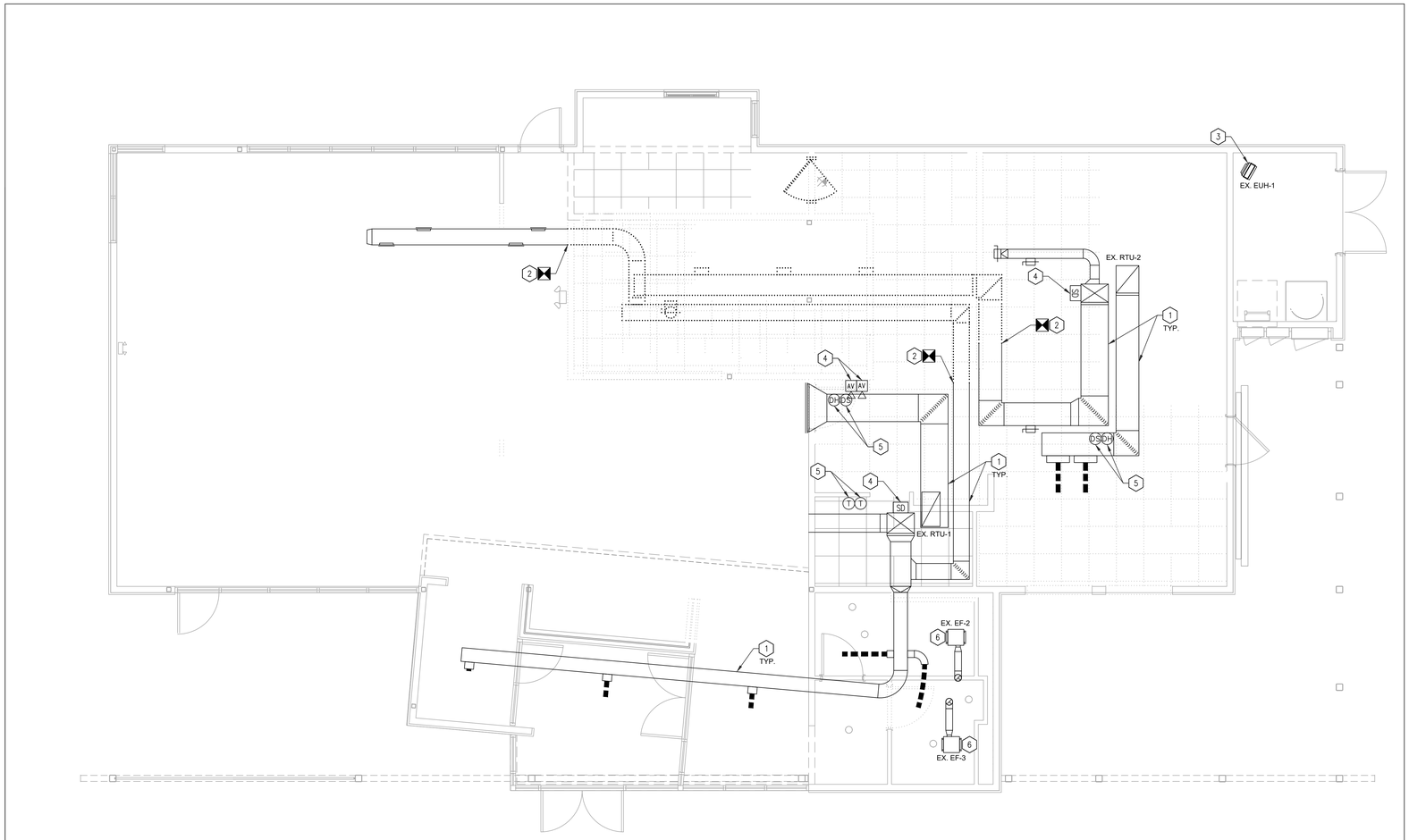
GENERAL NOTES:

A. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR, CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT AND COMPONENTS IN ACCORDANCE WITH MINIMUM REQUIREMENTS SHOWN IN THESE PLANS. ANY DEVIATIONS FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER'S REPRESENTATIVE OR THE DESIGN ENGINEER. ANY UNAPPROVED DEVIATION FROM DESIGN PLANS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THE DESIGN PLANS SHALL NOT BE ALLOWED WITHOUT APPROVAL BY THE OWNER'S REPRESENTATIVE OR THE DESIGN ENGINEER.

B. SEE SHEET M001 FOR GENERAL NOTES. SEE SHEET M101 FOR NEW WORK.

C. MC SHALL FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO STARTING WORK. PREVIOUS SITE WORK WAS DONE FOR A RIB CRIB PROJECT. CONSTRUCTION WAS NOT 100% COMPLETE, NOR COMPLETELY BUILT PER ORIGINAL DRAWINGS. THIS SITE SHALL BE CONVERTED TO A BIG CHICKEN RESTAURANT. DEMOLITION SCOPE SHOWN ON THIS SHEET SHALL BE FIELD VERIFIED AND MODIFIED ACCORDINGLY IN CONJUNCTION WITH THE NEW WORK SCOPE SHOWN ON SHEET M101 SO THAT THE NEW SCOPE MAY BE COMPLETED PER THE REV3 CONSTRUCTION SET OF DRAWINGS. CONTRACTOR SHALL REVIEW PREVIOUS SET OF RIB CRIB CONSTRUCTION DOCUMENTS (FULL SET REV2) FOR ANY UNREVISED SHEETS.

D. PROTECT EXISTING OPENINGS FROM DUST AND MOISTURE PRIOR TO NEW DUCT AND DIFFUSER CONNECTIONS. SEE SHEET M101.



1 FIRST FLOOR DEMO HVAC PLAN

1/4" = 1'-0"

LMHT Project No. 23104.00

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: MECHANICAL DEMO PLAN

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By RJB

Checked By MJM

Sheet No. MD101

Drawing File: Z:_2023\23104-BIGCK Lake City FL - Conversion\CAD\MD101r3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:05pm

KEYED NOTES (1/M101):

1. MECHANICAL CONTRACTOR (MC) SHALL INSTALL MANUAL FIRE PULL AT 48" AFF AT LOCATION SHOWN. ENSURE FIRE PULL LOCATED BETWEEN 10 AND 20 FEET FROM COOKING EQUIPMENT WHICH IT SERVES OR IS LOCATED AS DIRECTED BY LOCAL INSPECTOR. MC SHALL LABEL (FOR EASY IDENTIFICATION) THE FIRE PULL FOR CORRESPONDING HOODS NUMBER SHOWN ON PLAN.
2. EXISTING DUCT MOUNTED HUMIDITY SENSOR IN RETURN AIR DUCT. MASTER THERMOSTAT (EX.) IS LOCATED IN THE OFFICE.
3. MC SHALL INSTALL AIR CURTAIN, (2) TOTAL, ON CEILING AT THE DRIVE THRU AND BACK DOOR. COORDINATE WITH GENERAL AND ELECTRICAL CONTRACTORS AS REQUIRED. SEE SCHEDULES ON SHEET M601.
4. EXISTING DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY DUCTWORK OF EACH UNIT (CONTRACTOR TO CONFIRM). VERIFY REQUIREMENTS WITH LOCAL AUTHORITIES. ACCESS SHALL BE PROVIDED FOR INSPECTION AND MAINTENANCE. CONTRACTOR SHALL WIRE SMOKE DETECTORS TO THE REMOTE ALARM INDICATORS (IF REQUIRED), FOR AUDIBLE/VISUAL ALARM. SEE ELECTRICAL SHEETS. FIRE ALARM CONTRACTOR SHALL PROGRAM RTU TO SHUT DOWN UPON DETECTION BY DETECTOR. MC SHALL COORDINATE WITH FIRE ALARM CONTRACTOR FOR INTEGRATION INTO FIRE ALARM SYSTEM (IF REQUIRED).
5. EXISTING SUPPLY AND RETURN RISERS TO REMAIN. CONTRACTOR TO ENSURE THAT EXISTING RISERS ARE CONNECTED TO RTU OPENINGS. TRANSITION AND OFFSET DUCT RISERS AS REQUIRED.
6. MC SHALL INSTALL KITCHEN HOOD EXHAUST FAN IN LOCATION SHOWN. MC SHALL MEET ALL LOCAL AND STATE CODE REQUIREMENTS. GREASE DUCTWORK SHALL BE PROVIDED AND INSTALLED BY MC, TO MEET ALL LOCAL AND STATE CODE REQUIREMENTS. SEE GREASE DUCT SPECIFICATION THIS SHEET AND DETAIL 5/M501 AND HOOD SHEETS PROVIDED BY OTHERS. COORDINATE WITH GENERAL CONTRACTOR (GC).
7. MC SHALL PROVIDE AND INSTALL OPPOSED BLADE DAMPER TO REGISTER / DIFFUSER NECK WITH ADJUSTMENT FROM FACE.
8. COORDINATE WITH GC FOR PENETRATION THROUGH BAFFLE.
9. MC SHALL PROVIDE AND INSTALL MAKE-UP AIR RISER (TURN UP AND TRANSITION RISER SIZE TO FIT WITHIN CURB WITH VIBRATION DAMPER) FROM SUPPLY FAN. ROUTE MAKE-UP AIR DUCTWORK AS SHOWN AND PROVIDE BALANCING DAMPER AND ALL SQUARE TO ROUND TRANSITIONS TO HOOD SUPPLY PLENUMS AS REQUIRED. SEE HOOD SHEETS FOR PSP CONNECTION SIZES AND SUPPLY CFMS REQUIRED. MAINTAIN 18" CLEAR BETWEEN HOOD AND COMBUSTIBLE MATERIALS. PROVIDE RIGID COLLAR AND EXTENSION AS REQUIRED.
10. CONNECT NEW DUCT TO EXISTING.
11. TAP OFF BOTTOM OF MAIN WITH SIZE INDICATED AND BALANCING DAMPER (IF ACCESSIBLE). CONNECT TO DIFFUSER AS SHOWN.
12. EXISTING ELECTRIC UNIT HEATER INSTALLED AT 10'-0" A.F.F. WITH THERMOSTAT (SET TO OPERATE @ 45°) @ 48" AFF. SEE MECHANICAL SCHEDULES ON SHEET M601.
13. UTILITY CABINET INSTALLED IN HOOD #1 FOR MAIN HOOD CONTROLS AND FIRE SUPPRESSION SYSTEM, SEE HOOD SHEETS.
14. NEW DUCT SHALL BE ROUTED AS LOW AS POSSIBLE ABOVE CEILING.
15. EXISTING DUCT MOUNTED TEMPERATURE SENSOR IN RETURN AIR DUCT. MASTER THERMOSTAT (EX.) IS LOCATED IN THE OFFICE.
16. HOOD INSTALLER SHALL PROVIDE AND INSTALL HOOD AND LIGHT SWITCH FOR HOOD SYSTEM. COORDINATE WITH G.C.
17. EXISTING 6Ø EXHAUST RISER UP TO EXISTING ROOF VENT CAP.
18. EXISTING AUDIBLE/VISUAL ALARM DEVICES TO SIGNAL DUCT DETECTOR ACTIVATION. MC AND EC SHALL TEST AND VERIFY THE SMOKE DETECTION SYSTEM WORKS PROPERLY AND MEETS ALL LOCAL AND STATE CODE REQUIREMENTS.
19. CONNECT EXISTING BRANCH DUCT TO NEW DIFFUSERS AND GRILLES.
20. EXISTING MASTER THERMOSTATS (FOR EACH RTU).
21. EXISTING CABINET EXHAUST FANS.
22. M.C. SHALL MOUNT DOUBLE-WALL EXPOSED SPIRAL DUCT AS HIGH AS POSSIBLE BELOW STRUCTURE. M.C. SHALL COORDINATE DUCT ROUTING TO AVOID THE LIGHT FIXTURES. SPIRAL DUCTWORK TO BE PAINTED. SEE ARCHITECTURAL DRAWINGS AND DETAIL 12/M501.
23. MOUNT CEILING FAN PER MANUFACTURERS INSTRUCTIONS FROM STRUCTURE ABOVE. ENSURE MANUFACTURER'S CLEARANCES WHILE MOUNTING FAN AS HIGH AS POSSIBLE. M.C. SHALL PROVIDE AN ALTERNATE BID FOR UNIT CF-2.
24. M.C. SHALL PROVIDE AN ALTERNATE BID TO PROVIDE AND MOUNT RADIANT HEATERS PER MANUFACTURERS INSTRUCTIONS FROM STRUCTURE. ENSURE MANUFACTURER'S CLEARANCES WHILE MOUNTING HEATER AS HIGH AS POSSIBLE.
25. OFFSET DUCT DOWN AS REQUIRED FOR DUCT ROUTING SHOWN.
26. EXISTING RETURN GRILLE MOUNTED AS HIGH AS POSSIBLE WITH RETURN DUCT MOUNTED TIGHT TO STRUCTURE.

GENERAL NOTES:

A. MC SHALL PROVIDE AND INSTALL HVAC EQUIPMENT SHOWN UNLESS NOTED OTHERWISE. FIELD VERIFY EXISTING STRUCTURE PRIOR TO WORK AND VERIFY ANY DUCT OFFSETS REQUIRED FOR INSTALLATION.

B. ALL RIGID DUCTWORK SHALL BE RUN ABOVE THE FINISHED CEILING AND BETWEEN JOISTS, OR AS TIGHT TO THE JOISTS AS POSSIBLE UNLESS OTHERWISE NOTED.

C. MC SHALL COORDINATE DUCT OFFSETS AS REQUIRED FOR DUCT ROUTING SHOWN.

D. SEE SHEET M601 FOR SCHEDULES, SHEET M001 FOR GENERAL NOTES, AND SHEET MD101 FOR DEMO WORK.

E. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR, CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT AND COMPONENTS IN ACCORDANCE WITH MINIMUM REQUIREMENTS SHOWN IN THESE PLANS. ANY DEVIATIONS FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER'S REPRESENTATIVE OR THE DESIGN ENGINEER. ANY UNAPPROVED DEVIATION FROM DESIGN PLANS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THE DESIGN PLANS SHALL NOT BE ALLOWED WITHOUT APPROVAL BY THE OWNER'S REPRESENTATIVE OR THE DESIGN ENGINEER.

F. ORIGINAL PROJECT (REV2 AND PREVIOUS) WAS FOR A RIB CRIB RESTAURANT. UPDATED PLANS (REV3) ARE FOR A CONVERSION TO A BIG CHICKEN RESTAURANT. SEE PREVIOUS RIB CRIB PERMIT DRAWINGS, ESPECIALLY FOR ANY UNREVISED DRAWINGS WHICH STILL APPLY TO THE BIG CHICKEN CONVERSION. REV3 PLANS ATTEMPT TO SHOW CURRENT STATUS OF CONSTRUCTION (NEW VS EXISTING). MC TO FIELD VERIFY AND CONFIRM EXISTING SYSTEMS AS CURRENTLY BUILT. CONTRACTOR IS RESPONSIBLE TO UPDATE FIELD INSTALLATION TO STATUS OF NEW WORK SHOWN IN THESE PLANS. SEE SCOPE OF WORK ON COVER SHEET.

G. HOOD PACKAGE (HOOD, FANS, ASSOCIATED FIRE PROTECTION SYSTEMS, CONTROLS, WIRING, ETC.) SHOWN IS NEW. SEE REVISED HOOD SHEETS.

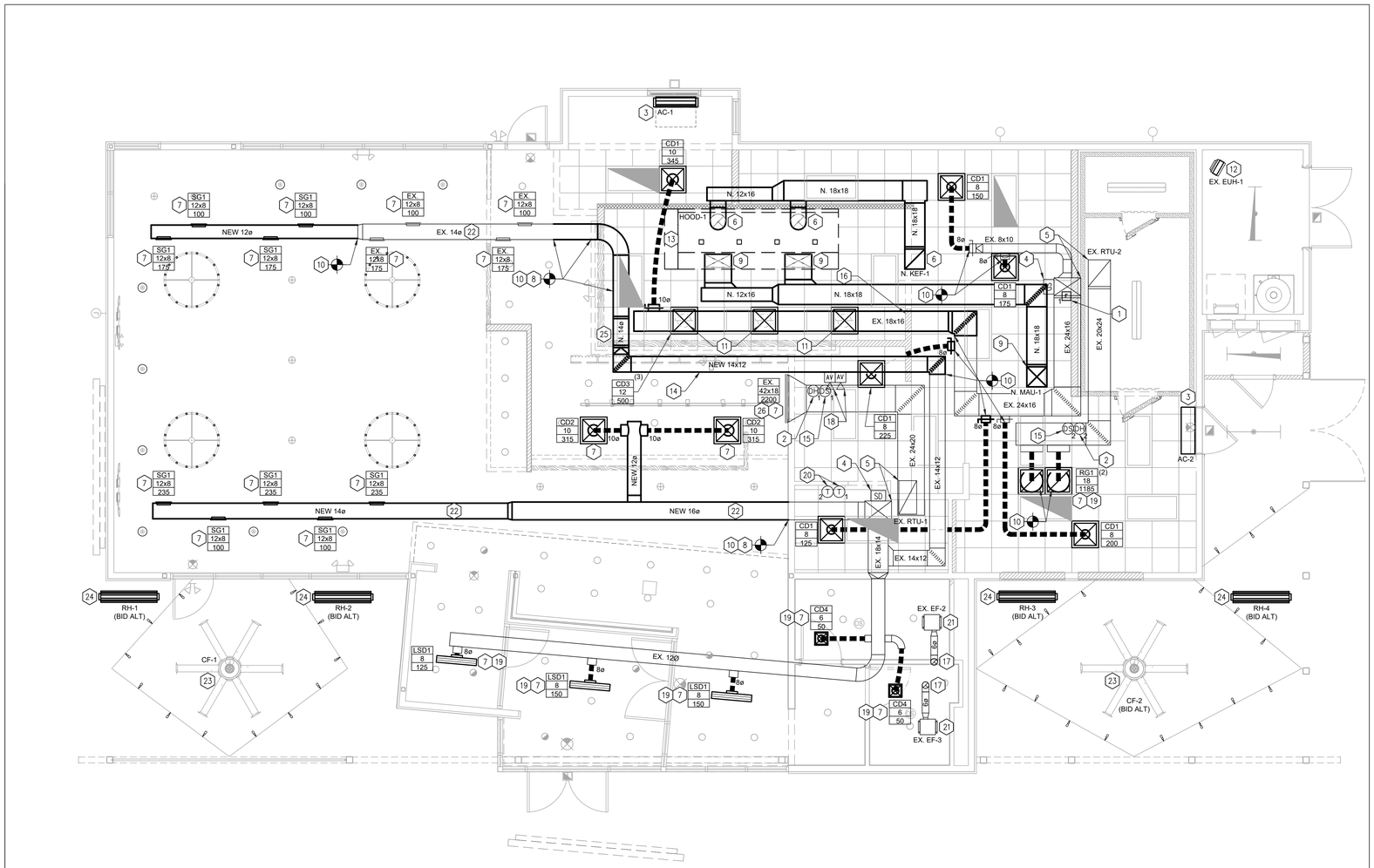
GREASE EXHAUST DUCTWORK SPECIFICATION:

A. THE GREASE EXHAUST SYSTEM SHALL BE CONSTRUCTED OF BLACK STEEL NOT LESS THAN 16 GA. UP TO 4 SQ. FT. AREA, 14 GA. ABOVE 4 SQ. FT. WITH CONTINUOUS GREASE-TIGHT AND WATER-TIGHT WELDS AT ALL JOINTS & SEAMS. THE SYSTEM SHALL BE SO CONSTRUCTED THAT NO GREASE WILL BECOME POCKETED IN ANY PORTION THEREOF & SHALL SLOPE AT NOT LESS THAN 1/4" PER FOOT OF HORIZONTAL LENGTH UNDER 75 FEET LONG OR 1" PER FOOT IF OVER 75 FEET, BACK TO THE HOOD OR AS REQUIRED BY THE LOCAL AUTHORITIES.

B. OPENINGS IN DUCT SHALL CONFORM TO CODE REQUIREMENTS AND SHALL BE PROVIDED FOR COMPLETE AND THOROUGH CLEANING OF DUCT SYSTEM.

C. GREASE EXHAUST DUCT SHALL BE WRAPPED WITH TWO LAYERS OF 1-1/2" 3M FIRE BARRIER DUCT WRAP 615+ (ASTM E 2336) OR EQUIVALENT GREASE DUCT WRAP. INSTALL WRAP PER MANUFACTURER'S INSTRUCTIONS.

D. PROVIDE THE "PENETRATOR" GREASE DUCT CLEAN-OUT ACCESS DOORS MANUFACTURED BY FLAME GARD, INC. (OR EQUIVALENT) AT EVERY CHANGE OF DIRECTION IN THE DUCT, AT EACH FLOOR, AND/OR EVERY 10 FEET WITH MINIMUM OF 3 FEET OF CLEARANCE IN FRONT OF CLEAN-OUT.



1
1/4" = 1'-0"

FIRST FLOOR HVAC PLAN

LMHT Project No. 23104.00

NATIONAL RESTAURANT DESIGNERS
A DIVISION OF LMHT ASSOCIATES
7208 ACE BLVD. 2ND FLOOR.
JACKSONVILLE, FL 32221
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NELSON RAY THORNTON JR. LICENSED No. 50383 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing(MECHANICAL (NEW PLAN)) 3

BIG CHICKEN

Revisions

CONCEPT APPROVAL	10.06.2023
3 TENANT CHANGE.	11.03.2023

PROJECT DATE 11/10/2023

Drawn By RJB

Checked By MJM

Sheet No. 3 M101

Drawing File: Z:_2023\23104-BKCK Lake City FL - Conversion\CAD\M101-3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:05pm

GENERAL NOTES:

A. M.C. SHALL PROVIDE AND INSTALL HVAC EQUIPMENT SHOWN UNLESS NOTED OTHERWISE. FIELD VERIFY EXISTING STRUCTURE PRIOR TO WORK AND VERIFY ANY DUCT OFFSETS REQUIRED FOR INSTALLATION.

B. SEE SHEET M601 FOR SCHEDULES AND SHEET M001 FOR GENERAL NOTES.

C. SEE ELECTRICAL SHEETS FOR POWER CONNECTIONS.

D. SEE PLUMBING SHEETS FOR GAS AND CONDENSATE CONNECTIONS.

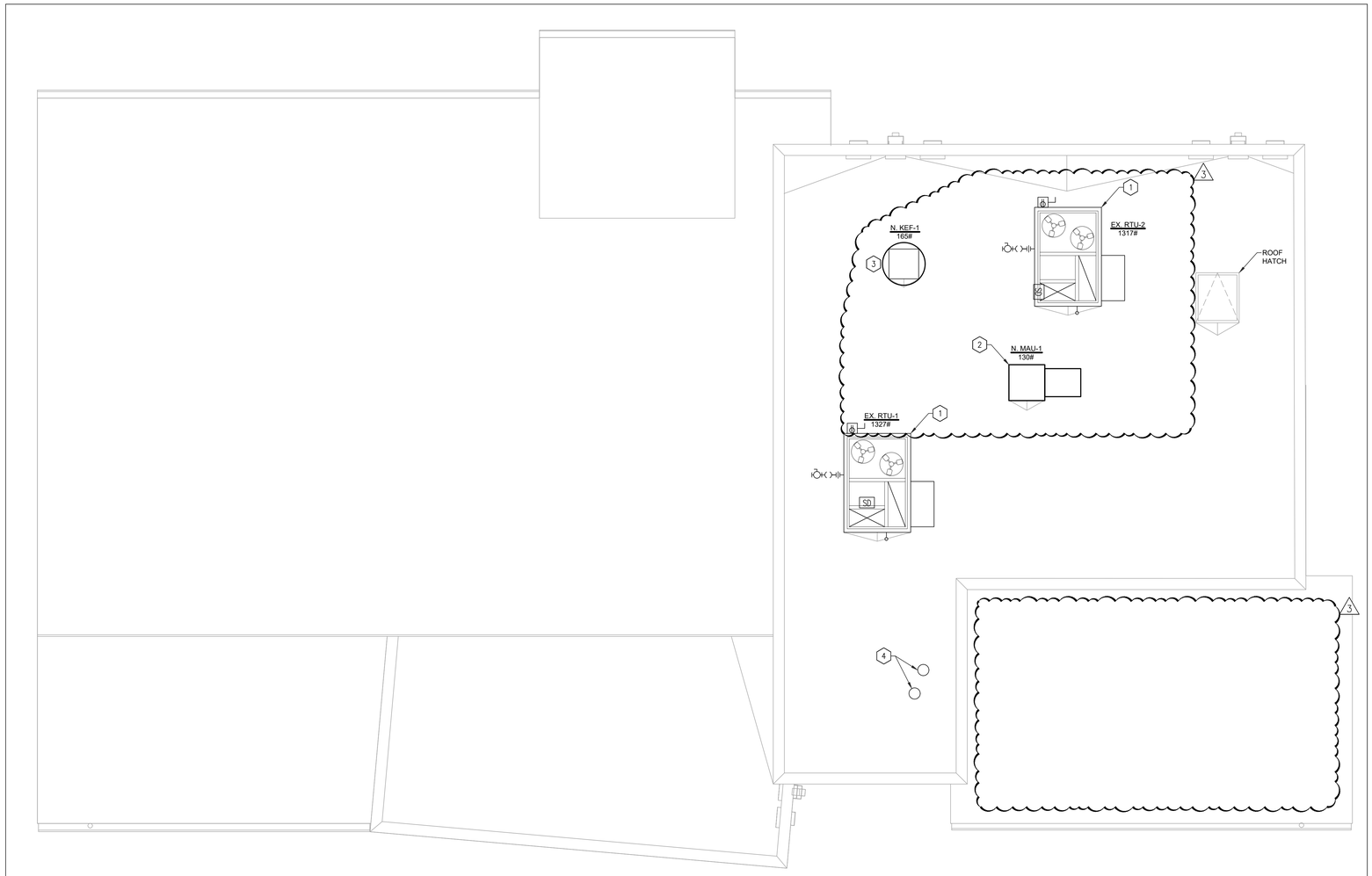
E. ALL RTU'S AND FANS SHALL BE INSTALLED LEVEL.

F. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR, CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT AND COMPONENTS IN ACCORDANCE WITH MINIMUM REQUIREMENTS SHOWN IN THESE PLANS. ANY DEVIATIONS FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER'S REPRESENTATIVE OR THE DESIGN ENGINEER. ANY UNAPPROVED DEVIATION FROM DESIGN PLANS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THE DESIGN PLANS SHALL NOT BE ALLOWED WITHOUT APPROVAL BY THE OWNER'S REPRESENTATIVE OR THE DESIGN ENGINEER.

G. ORIGINAL PROJECT (REV2 AND PREVIOUS) WAS FOR A RIB CRIB RESTAURANT. UPDATED PLANS (REV3) ARE FOR A CONVERSION TO A BIG CHICKEN RESTAURANT. SEE PREVIOUS RIB CRIB PERMIT DRAWINGS, ESPECIALLY FOR ANY UNREVISED DRAWINGS WHICH STILL APPLY TO THE BIG CHICKEN CONVERSION. REV3 PLANS ATTEMPT TO SHOW CURRENT STATUS OF CONSTRUCTION (NEW VS EXISTING). MC TO FIELD VERIFY AND CONFIRM EXISTING SYSTEMS AS CURRENTLY BUILT. CONTRACTOR IS RESPONSIBLE TO UPDATE FIELD INSTALLATION TO STATUS OF NEW WORK SHOWN IN THESE PLANS.

KEYED NOTES:

1. EXISTING RTU'S TO REMAIN. MC SHALL ENSURE RTU'S ARE LABELED WITH 3" HIGH BLACK LETTERS FOR EASY IDENTIFICATION.
2. MC SHALL INSTALL NEW ROOF MOUNTED MAKE-UP AIR FAN. COORDINATE WITH STRUCTURE PRIOR TO ROOF PENETRATION AND INSTALLATION OF ROOF CURB. MAINTAIN 10' CLEARANCE FROM EXHAUST SOURCES. MC SHALL CLEARLY LABEL MAU WITH 3" HIGH BLACK LETTERS FOR EASY IDENTIFICATION.
3. MC SHALL INSTALL NEW ROOF MOUNTED EXHAUST FAN (EF). COORDINATE WITH STRUCTURE PRIOR TO ROOF PENETRATION AND INSTALLATION OF ROOF CURB. MAINTAIN 10' CLEARANCE FROM FRESH AIR INTAKES. MC SHALL CLEARLY LABEL EF WITH 3" HIGH BLACK LETTERS FOR EASY IDENTIFICATION.
4. EXISTING ROOF OUTLET FOR RESTROOM EXHAUST. ENSURE EXHAUST IS A MINIMUM OF 10' FROM OUTSIDE AIR INTAKES.



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

LMHT Project No. 23104.00

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: MECHANICAL ROOF PLAN

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By RJB

Checked By MJM

Sheet No. **M201**

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\M201-3.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 4:25pm

2020 FLMC VENTILATION CALCULATIONS

DINING

* SECTION 403.3.1.1 - EQUATION 4-1 — Vbz=RpPz+RaAz

Rp= 7.5 CFM/PERSON (TABLE 403.3)
Pz= 60 PEOPLE (SEATS)
Ra= 0.18 CFM/FT² (TABLE 403.3)
Az= 893 FT²

Vbz= 611 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE

* SECTION 403.3.1.3 - EQUATION 4-2 — Voz=Vbz/Ez

Vbz= 611 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE
Ez= 0.80 ZONE AIR DISTRIBUTION EFFECTIVENESS (TABLE 403.3.1.2)

Voz= **763** CFM MIN. ZONE OUTDOOR AIRFLOW

SERVING

* SECTION 403.3.1.1 - EQUATION 4-1 — Vbz=RpPz+RaAz

Rp= 7.5 CFM/PERSON (TABLE 403.3)
Pz= 4 PEOPLE (15 OCCUPANTS PER 1000 SF)
Ra= 0.12 CFM/FT² (TABLE 403.3)
Az= 214 FT²

Vbz= 56 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE

* SECTION 403.3.1.3 - EQUATION 4-2 — Voz=Vbz/Ez

Vbz= 56 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE
Ez= 0.80 ZONE AIR DISTRIBUTION EFFECTIVENESS (TABLE 403.3.1.2)

Voz= **70** CFM MIN. ZONE OUTDOOR AIRFLOW

VESTIWAITING

* SECTION 403.3.1.1 - EQUATION 4-1 — Vbz=RpPz+RaAz

Rp= 5 CFM/PERSON (TABLE 403.3)
Pz= 8 PEOPLE (30 OCCUPANTS PER 1000 SF)
Ra= 0.06 CFM/FT² (TABLE 403.3)
Az= 238 FT²

Vbz= 54 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE

* SECTION 403.3.1.3 - EQUATION 4-2 — Voz=Vbz/Ez

Vbz= 54 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE
Ez= 0.80 ZONE AIR DISTRIBUTION EFFECTIVENESS (TABLE 403.3.1.2)

Voz= **68** CFM MIN. ZONE OUTDOOR AIRFLOW

CORRIDOR

* SECTION 403.3.1.1 - EQUATION 4-1 — Vbz=RpPz+RaAz

Rp= 0 CFM/PERSON (TABLE 403.3)
Pz= 0 PEOPLE (SEATS)
Ra= 0.06 CFM/FT² (TABLE 403.3)
Az= 372 FT²

Vbz= 22 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE

* SECTION 403.3.1.3 - EQUATION 4-2 — Voz=Vbz/Ez

Vbz= 22 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE
Ez= 0.80 ZONE AIR DISTRIBUTION EFFECTIVENESS (TABLE 403.3.1.2)

Voz= **28** CFM MIN. ZONE OUTDOOR AIRFLOW

OFFICE

* SECTION 403.3.1.1 - EQUATION 4-1 — Vbz=RpPz+RaAz

Rp= 5 CFM/PERSON (TABLE 403.3)
Pz= 1 PEOPLE (ONE OCCUPANT PER 200 SF)
Ra= 0.06 CFM/FT² (TABLE 403.3)
Az= 86 FT²

Vbz= 10 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE

* SECTION 403.3.1.3 - EQUATION 4-2 — Voz=Vbz/Ez

Vbz= 10 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE
Ez= 0.80 ZONE AIR DISTRIBUTION EFFECTIVENESS (TABLE 403.3.1.2)

Voz= **13** CFM MIN. ZONE OUTDOOR AIRFLOW

STORAGE

* SECTION 403.3.1.1 - EQUATION 4-1 — Vbz=RpPz+RaAz

Rp= 0 CFM/PERSON (TABLE 403.3)
Pz= 0 PEOPLE (SEATS)
Ra= 0.12 CFM/FT² (TABLE 403.3)
Az= 164 FT²

Vbz= 20 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE

* SECTION 403.3.1.3 - EQUATION 4-2 — Voz=Vbz/Ez

Vbz= 20 CFM MIN. OUTDOOR AIRFLOW AT THE BREATHING ZONE
Ez= 0.80 ZONE AIR DISTRIBUTION EFFECTIVENESS (TABLE 403.3.1.2)

Voz= **25** CFM MIN. ZONE OUTDOOR AIRFLOW

2020 FLMC EXHAUST CALCULATIONS

KITCHEN

0.7 CFM/FT² (TABLE 403.3)
850 FT²

EXHAUST RATE= **595** CFM MIN. REQUIRED EXHAUST RATE

RESTROOMS

70 CFM/UNIT (TABLE 403.3)
2 UNITS

EXHAUST RATE= **140** CFM MIN. REQUIRED EXHAUST RATE

ELECTRIC UNIT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	AREA SERVED	ELEC HEAT (KW)	AMPS	VOLTAGE	PHASE
EX. EUH-1	QMARK	MUH05-81	FIRE RISER ROOM	5.00	24	208 V	1

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATION AS INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
2. PROVIDE WITH INTEGRAL THERMOSTAT ON UNIT. SET TO MINIMUM 55 DEGREES FAHRENHEIT.
3. PROVIDE WITH WALL MOUNTING BRACKET

AIR CURTAIN SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	LOCATION	AIRFLOW (CFM)	VELOCITY	HORSEPOWER	FAN QUANTITY	VOLTAGE	PHASE	WEIGHT	NOTES
AC-1	MARS AIR	LPN236-1UA-OB	DRIVE THRU	900	1800 FPM	0.167 hp	1	115 V	1	32 lb	1 - 3
AC-2	BURNER	SHC07-1042A	BACK DOOR	1752	1716 FPM	0.75 hp	1	115 V	1	52 lb	1

NOTES:
1. INSTALL UNIT PER MANUFACTURER'S REQUIREMENTS.
2. PROVIDE WITH MANUFACTURER DOOR LIMIT SWITCH FOR INTERLOCKING OPERATION WITH DRIVE THRU WINDOW OPENING.
3. STANDARD COLOR IS OBSIDIAN BLACK. ARCHITECT TO CONFIRM COLOR PRIOR TO ORDERING.

VENTILATION SCHEDULE

SYSTEMS	AREA	VENT./EXHAUST REQ'D.	MIN. REQUIRED VENT. (CFM)	TOTAL MIN. REQUIRED VENT. (CFM)	PROVIDED VENT. (CFM)	MIN. REQUIRED EXHAUST (CFM)	PROVIDED EXHAUST (CFM)
EX. RTU-1	DINING	SEE 2020 FLMC CALCS	763	929	1,000	-	-
	SERVING	SEE 2020 FLMC CALCS	70			-	-
	VESTIWAITING	SEE 2020 FLMC CALCS	68			-	-
	CORRIDOR	SEE 2020 FLMC CALCS	28			-	-
	RESTROOMS	SEE 2020 FLMC CALCS	-			140	150
EX. RTU-2	KITCHEN	SEE 2020 FLMC CALCS	-	37	350	595	3,000
	OFFICE	SEE 2020 FLMC CALCS	13			-	-
	STORAGE	SEE 2020 FLMC CALCS	25			-	-
	TOTALS		966	929	1,000	735	3,150

NOTES:
1. VENTILATION RATES PER 2020 FLORIDA MECHANICAL CODE.
2. OUTSIDE AIR QUANTITIES ARE SHOWN IN AIR BALANCE SCHEDULE.

AIR BALANCE SCHEDULE

UNIT	AREA SERVED	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST AIR
EX. RTU-1	FRONT OF HOUSE	3200 CFM	1000 CFM	2200 CFM	-
EX. RTU-2	BACK OF HOUSE	2720 CFM	350 CFM	2370 CFM	-
N. MAU-1	FRYER/GRIDDLE		2400 CFM		
N. KEF-1	FRYER/GRIDDLE	-	-	-	3000 CFM
EX. EF-2	RESTROOMS	-	-	-	75 CFM
EX. EF-3	RESTROOMS	-	-	-	75 CFM
	TOTAL:	5920 CFM	3750 CFM	4570 CFM	3150 CFM
	BUILDING PRESSURE:			600 CFM	POSITIVE

HVAC SEQUENCE OF OPERATION

MC SHALL SET THERMOSTAT 'OCCUPIED' AND 'UNOCCUPIED' MODES TO OWNER'S OPERATION SCHEDULE. EVAPORATOR FANS SHALL RUN CONTINUOUSLY(ON) IN THE "OCCUPIED" MODE. VERIFY OPERATION SCHEDULE AND SET-POINTS WITH BRANCH MANAGER AND BIG CHICKEN.

NORMAL OPERATION (OCCUPIED):
N. KEF-1, EVAPORATOR FANS, AND ECONOMIZERS (IF INSTALLED) ON EX. RTU-1 AND EX. RTU-2 SHALL OPERATE CONTINUOUSLY UPON ACTIVATION OF KITCHEN HOOD SWITCH. INTERLOCK RELAY FIELD PROVIDED. NORMALLY OPEN CONTACTS FOR THIS ARE INCLUDED INTERNALLY IN THE HOOD ELECTRICAL CONTROL PANEL. SEE DETAILS THIS SHEET AND HOOD SHEETS.

UPON DEACTIVATION OF THE KITCHEN HOOD CONTROL PANEL, ALL ROOFTOP UNITS SHALL BE CONTROLLED VIA INDIVIDUAL SENSORS AND THERMOSTATS.

THE TEMPERATURE SCHEDULE SET POINTS SHALL BE SPECIFIC FOR EACH RTU AND SHALL BE FIELD ADJUSTABLE.
SPACE TEMPERATURE SET POINTS: EX. RTU-2: 78°F COOLING, 68°F HEATING
EX. RTU-1: 74°F COOLING, 70°F HEATING

SPACE HUMIDITY SET POINTS: EX. RTU-1, RTU-2: 50%RH

EX. RTU-1 AND EX. RTU-2 SHALL UTILIZE A MULTISTAGE EVAPORATOR FAN. EVAPORATOR FANS AND ECONOMIZERS (IF INSTALLED) SHALL OPERATE WHEN ENERGIZED BY THE THERMOSTAT DURING "OCCUPIED" PERIODS DETERMINED BY OWNER. THE RTU SHALL UTILIZE A LOW SPEED INITIALLY AND RAMP UP TO A HIGHER SPEED IF THE LOAD IS NOT MET. OUTSIDE AIR INTAKE ON ECONOMIZERS OR DAMPERS SHALL BE SET SO THAT AT LOW SPEED, MINIMUM OUTSIDE AIR FLOW IS SET TO VALUE SHOWN IN AIR BALANCE SCHEDULE ON SHEET M601 OR SHALL FOLLOW ECONOMIZER OPERATION DESCRIBED BELOW.

ALL RTU'S COOLING/HEATING SWITCH/OVER SHALL BE AUTOMATIC BASED ON THE SPACE DEMAND. EVAPORATOR FANS SHALL BE SET TO RUN CONTINUOUSLY(ON) DURING "OCCUPIED" PERIODS. OUTSIDE AIR INTAKE ON ECONOMIZERS OR DAMPERS SHALL BE IN MINIMUM OPEN POSITION TO DELIVER CFM'S INDICATED IN AIR BALANCE SCHEDULE ON SHEET M601 OR SHALL FOLLOW THE ECONOMIZER OPERATION DESCRIBED BELOW.

FRESH AIR TEMPERING (IF APPLICABLE)
SHALL PROGRAM FRESH AIR TEMPERING SETPOINT VIA T'STAT OR CONTROL BOARD INSIDE RTU. M.C. SHALL CHANGE OPTION 4 IN THE OPTIONS MENU TO 1=ENABLED. OR, REMOVE JUMPER FROM RTOM J3-1 AND J3-2 FOR PROGRAMMABLE T'STATS.

ECONOMIZER OPERATION (IF APPLICABLE)
THE RTU'S EQUIPPED WITH ECONOMIZERS (SEE UNITS SCHEDULE ON SHEET M601) SHALL UTILIZE "FREE COOLING" AS THE FIRST STAGE OF COOLING. WHEN OUTDOOR AIR TEMPERATURE IS LOWER THAN THE MIXED AIR TEMPERATURE, OUTSIDE AIR INTAKE DAMPERS SHALL MODULATE FROM MIN. TO MAX. OPEN POSITION AND SPACE RETURN AIR DAMPERS SHALL MODULATE FROM MAX. TO MIN. RELIEF DAMPERS SHALL BE CONTROLLED RESPECTIVELY VIA INTEGRAL RTU CONTROL. IF THE OUTSIDE AIR ALONE CANNOT SATISFY THE SPACE COOLING DEMAND, THE COMPRESSORS SHALL BE ENERGIZED IN STAGES. WHEN OUTDOOR AIR TEMPERATURE IS HIGHER THAN MIXED AIR TEMPERATURE, OR WHEN THE LOW LIMIT SENSOR LOCATED IN DISCHARGE AIR REACHES ITS SET POINT (55°F -ADJ.), THEN OUTDOOR AIR AND RETURN AIR DAMPERS SHALL BE SET TO DELIVER MINIMUM O.A. CFM'S INDICATED IN THE AIR BALANCE SCHEDULE.

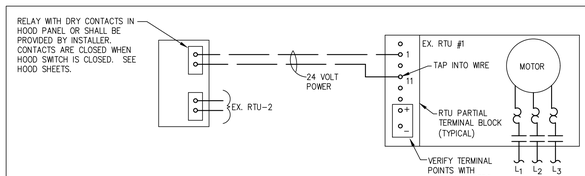
NIGHT SETBACK OPERATION (UNOCCUPIED)
SPACE TEMPERATURE SET POINTS: EX. RTU-1 AND EX. RTU-2: 85°F COOLING, 55°F HEATING.

ALL RTU EVAPORATOR FANS, COMPRESSORS AND HEATER SHALL RUN ON DEMAND ONLY.(AUTO) ANY MOTORIZED OUTSIDE AIR DAMPERS SHALL BE IN CLOSED POSITION. MC SHALL VERIFY REQUIREMENT FOR AUTOMATIC SETBACK CONTROL WITH LOCAL AUTHORITIES AND COORDINATE WITH EQUIPMENT SUPPLIER.

EMERGENCY OPERATION:
SHALL WIRE ANSUL SYSTEM ON TYPE 1 GREASE COOKING HOOD SO THAT UPON FIRE DETECTION OR MANUAL ACTIVATION, ALL POWER TO EQUIPMENT UNDER HOOD SHALL BE ISOLATED, WHILE THE EXHAUST FAN SHALL CONTINUE TO OPERATE. ELECTRICAL SHUNT TRIPPING SHALL ISOLATE ALL POWER TO EQUIPMENT UNDER HOOD. EVAPORATOR FAN ON EACH RTU SHALL BE SHUT DOWN BY INDIVIDUAL SMOKE DETECTOR UPON DETECTING SMOKE.

FIRE PROTECTION GLOBAL SHUTDOWN:
IF LOCAL CODE OFFICIAL REQUIRES GLOBAL SHUTDOWN OF ALL RTU's UPON SMOKE DETECTION IN ANY RTU DUCTWORK, MANUAL ACTIVATION OF SPRINKLER OR ANSUL SYSTEM, FIRE DETECTION UNDER ANY HOOD, OR WATER FLOW IN THE SPRINKLER SYSTEM, THE FIRE ALARM CONTRACTOR SHALL PROVIDE A RELAY IN EACH RTU TIED TO THE FIRE ALARM PANEL TO SHUT DOWN ALL RTU's SIMULTANEOUSLY.

HOODS:
HOODS HAVE (1) SWITCH FOR FAN OPERATION AND (1) SWITCH FOR LIGHTS ON THE TOUCH PAD. MANAGER SHOULD TURN BOTH SWITCHES ON UPON ARRIVAL. ENERGIZING THE FAN SWITCH ENABLES THE CONTROL PANEL TO AUTOMATICALLY TURN ON EXHAUST FAN IF HOOD TEMPERATURE REACHES 85 DEGREES (MEASURED BY DUCT STAT IN HOOD RISER AND COMPARED TO BASE ROOM SENSOR.). EXHAUST FAN WILL TURN OFF ONLY IF HOOD TEMPERATURE IS BELOW 85°. WHEN FINISHED FOR THE DAY, THE MANAGER SHOULD TURN THE HOOD LIGHT SWITCH OFF AND THE FAN SWITCH TO AUTO (WILL ACTIVATE AUTOMATICALLY IF RISER TEMPERATURE REACHES 85°). THERE IS NO FAN OVERRIDE SWITCH.



NOTES:
1. M.C. SHALL WIRE CONTACTOR TO RTU TERMINAL BLOCK #1 IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. DASHED LINE INDICATES WIRING PROVIDED/INSTALLED BY M.C. SOLID LINE WIRING IS PROVIDED BY E.C.
3. RTU MANUFACTURER RESERVES THE RIGHT TO CHANGE THE REQUIRED TERMINATION POINTS AND SETTINGS AS DESCRIBED ABOVE. CONTACT MANUFACTURER FOR LATEST REQUIREMENTS PRIOR TO STARTING ANY WORK.

1 — RTU INTERLOCK WIRING DETAIL
NOT TO SCALE

PACKAGE ROOFTOP UNIT SCHEDULE

MARK	MANUFACTURER & MODEL	NOMINAL CAPACITY (TONS)	S/A CFM	O/A CFM	GAS HEAT IN / OUT (MBH)	NET COOLING CAPACITY TOTAL / SEN (MBH)	ESP	EER	VOLTAGE	PHASE	MCA	MOCP	WEIGHT	REMARKS
EX. RTU-1	CARRIER 48TCDE12	10	3200	1000	180 / 148	112.6 / 75.8	0.7	11.0	208 V	3	50 A	60 A	1327 lb	1 - 11
EX. RTU-2	CARRIER 48TCDE09	8.5	2720	350	125 / 103	96.7 / 67.1	0.8	11.0	208 V	3	42 A	50 A	1317 lb	1 - 11

NOTES:
1. PROVIDE AND INSTALL HVAC SYSTEM IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
2. PROVIDE UNIT WITH MEDIUM STATIC BELT DRIVEN FAN. SYSTEM SHALL BE TESTED AND BALANCED TO ACHIEVE SPECIFIED AIRFLOWS.
3. PROVIDE SMOKE DETECTORS IN SUPPLY AIR DUCTS. UNIT SHALL BE EQUIPPED TO SHUT DOWN UPON SENSING SMOKE.
4. ALL COMPRESSORS SHALL BE FIELD SERVICEABLE AND FITTED WITH SERVICE VALVES.
5. PROVIDE COMMERCIAL GRADE 7-DAY PROGRAMMABLE THERMOSTAT AND REMOTE SENSOR WHERE NOTED.
6. PROVIDE FACTORY 14" CURBS AND COIL HAIL GUARDS.
7. PROVIDE WITH DUAL ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF AND FDD CONTROLS.
8. PROVIDE WITH CONDENSATE OVERFLOW SWITCH.
9. PROVIDE WITH FACTORY MOUNTED NON-FUSED DISCONNECT AND UNPOWERED CONVENIENCE OUTLET.
10. PROVIDE WITH ADAPTIVE DEHUMIDIFICATION SYSTEM (CARRIER HUMIDI-MIZER).
11. PROVIDE ALL RTU'S WITH 2 SPEED DRIVES.

FAN SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL	CFM	ESP (IN.)	MOUNTING FAN TYPE	VOLTS	PH	HP	CONTROL METHOD	NOTES
EX. EF-1	WOMENS' RESTROOM	GREENHECK	SP-A90	75	0.250	CEILING	115	1	0.125	SWITCH WITH LIGHTS	1, 3, 5
EX. EF-2	MENS' RESTROOM	GREENHECK	SP-A90	75	0.250	CEILING	115	1	0.125	SWITCH WITH LIGHTS	1, 3, 5
N. KEF-1	KITCHEN	HOODMART	36B	3000	0.5	ROOF	208	1	1.000	REFER HOOD SHEETS	2, 4, 5
N. MAU-1	KITCHEN	HOODMART	SF8	2400	0.25	ROOF	208	1	1.000	REFER HOOD SHEETS	2, 4, 5

GENERAL INFORMATION
A. FANS MUST AMCA CERTIFIED AS WELL AS UL OR ETL LISTED.
B. SCHEDULED FAN HORSEPOWERS ARE MAXIMUM AND MAY VARY BETWEEN MANUFACTURERS.

NOTES:
1. FURNISH WITH PREMANUFACTURED ROOF JACK.
2. FURNISH WITH FACTORY MOUNTED DISCONNECT.
3. FURNISH WITH GRAVITY BACKDRAFT DAMPER AND BIRDSCREEN.
4. ROOF CURB PROVIDED BY GENERAL CONTRACTOR.
5. FURNISH WITH FACTORY PRE-WIRED FAN SPEED CONTROLLER.

GRILLE AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	FACE SIZE	MOUNTING LOCATION	NUMBER OF SLOTS	SLOT INCHES	NOTES
CD1	TITUS	TMS	SUPPLY AIR	24"X24"	LAY-IN	--	--	1,3,4,5,7
CD2	TITUS	TMS	SUPPLY AIR	24"X24"	SURFACE	--	--	1,2,3,4,5,7
CD3	CAPTIVEAIRE	DI-PSP	SUPPLY AIR	24"X24"	LAY-IN	--	--	1,2,3,4,6,7
CD4	TITUS	TDC	SUPPLY AIR	12"X12"	SURFACE	--	--	1,2,3,4,5,7
LSD1	TITUS	ML-38	SUPPLY AIR	36"	SURFACE	3	3/4	1,3,4,7,8
SG1	TITUS	301-RL	SUPPLY AIR	SEE PLANS	SIDEWALL / DUCT	--	--	1,2,4,7
RG1	TITUS	50F	RETURN AIR	24"X24"	LAY-IN	--	--	1,3,4,7,9
RG2	TITUS	350-RL	RETURN AIR	SEE PLANS	SIDEWALL	--	--	1,2,4,7

NOTES:
1. REFER TO SPECIFICATIONS FOR APPROVED ALTERNATE MANUFACTURERS. PRE-BID APPROVAL IS REQUIRED.
2. PROVIDE WITH FACE OPERATED OPPOSED BLADE DAMPER FOR VOLUME BALANCING.
3. NECK SIZE OF DIFFUSER SHALL MATCH THE DUCT SIZE SERVING THE DIFFUSER.
4. AIR DEVICE COLOR SHALL BE COMPATIBLE WITH THE ARCHITECTURAL CEILING FOR THE ROOM IN WHICH THE AIR DEVICE IS LOCATED. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE.
5. ALL DIFFUSERS TO BE 4-WAY THROW UNLESS NOTED OTHERWISE.
6. PERFORATED DUMP DIFFUSER.
7. ALL AIR DEVICES SHALL BE TESTED IN ACCORDANCE WITH ASHRAE STANDARD 70-91.
8. PROVIDE BOWDEN CABLE PLENUM/SLOT DIFFUSER DAMPER CONTROL SYSTEM AS MANUFACTURED BY YOUNG REGULATOR COMPANY. PROVIDE CABLE CONTROLLED DAMPER, REQUIRED CABLE & WIRE, RACK AND PINION CONTROLLER WITH BRACKET ACCESSIBLE THROUGH FACE OF GRILLE.
9. PROVIDE TRANSITION FROM SQUARE TO ROUND AS REQUIRED.

RADIANT HEATER SCHEDULE (ALT BID)

MARK	AREA SERVED	MANUFACTURER	MODEL	HTG INPUT	STYLE	MCA	MOCP	VOLTAGE	PHASE	NOTES
RH-1	PATIO	NDUSTRIA	NEL-30	3.0 kW	ELECTRIC	10.8 A	20 A	208 V	1	ALL
RH-2	PATIO	NDUSTRIA	NEL-30	3.0 kW	ELECTRIC	10.8 A	20 A	208 V	1	ALL
RH-3	PATIO	NDUSTRIA	NEL-30	3.0 kW	ELECTRIC	10.8 A	20 A	208 V	1	ALL
RH-4	PATIO	NDUSTRIA	NEL-30	3.0 kW	ELECTRIC	10.8 A	20 A	208 V	1	ALL

NOTES:
1. INSTALL RADIANT HEATER PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN ALL CLEARANCES TO COMBUSTIBLES AS REQUIRED.
2. PROVIDE WITH REMOTE CONTROL.
3. PROVIDE WITH CEILING MOUNT BRACKETS.
4. STANDARD FINISH IS BLACK. CONFIRM FINISH WITH ARCHITECT PRIOR TO ORDERING.
5. CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR RADIANT HEATERS.

CEILING FAN SCHEDULE

MARK	UNIT TYPE	BIG ASS FANS MODEL	BLADE FINISH	MOTOR FINISH	FAN DIAMETER	FAN CONTROLS	WEIGHT
CF-1	CEILING FAN	ESSENCE	NOTE 4	NOTE 4	96"	REMOTE	75 lb
CF-2	CEILING FAN	ESSENCE	NOTE 4	NOTE 4	96"	REMOTE	75 lb

GENERAL INFORMATION (ALL UNITS):
1. FAN ELECTRICAL DATA: 120/1PH.
2. OUTDOOR DINING ZONING.
3. M.C. SHALL PROVIDE AN ALTERNATE BID FOR CF-2.
4. ORANGE FINISH - CONFIRM FINISH WITH OWNER.
5. PROVIDE AND INSTALL REMOTE WALL MOUNTED CONTROLS FOR CEILING FANS.

MECHANICAL SYSTEMS AND EQUIPMENT:

METHOD OF COMPLIANCE: PRESCRIPTIVE ✔ ENERGY COST BUDGET____

MECHANICAL SPACE CONDITIONING SYSTEM

	EX. RTU #1	EX. RTU #2
UNITARY: DESCRIPTION OF UNIT:	10.0 TON COOLING W/ GAS HEAT	8.5 TON COOLING W/ GAS HEAT
HEATING EFFICIENCY:	82%	82%
COOLING EFFICIENCY:	11.0 EER	11.0 EER
HEAT OUTPUT OF UNIT:	148 MBH	103 MBH
COOLING OUTPUT OF UNIT:	120 MBH	102 MBH

BOILER: NONE CHILLER: NONE

THERMAL ZONE : 2A

EXTERIOR DESIGN CONDITIONS
WINTER DRY BULB: 29.6°F
SUMMER DRY BULB: 94.0°F

INTERIOR DESIGN CONDITIONS: RTU #1 RTU #2
WINTER DRY BULB: 68°F 68°F
SUMMER DRY BULB: 78°F 78°F
RELATIVE HUMIDITY: N/A N/A

BUILDING HEATING LOAD: 81.0 MBH

BUILDING COOLING LOAD: 213.1 MBH

EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS): BY OTHERS

MOTOR HORSEPOWER: SEE SHEET M1.01
NUMBER OF PHASES: SEE SHEET M1.01
MINIMUM EFFICIENCY: SEE SHEET M1.01
MOTOR TYPE: SEE SHEET M1.01
OF POLES: SEE SHEET M1.01

LMHT Project No. 23104.00

NATIONAL RESTAURANT DESIGNERS
A DIVISION OF LMHT ASSOCIATES
7208 ACE BLVD. 2ND FLOOR
TAMPA, FLORIDA 33610
phone: 813.544.0087 fax: 813.544.9399

NELSON RAY THORNTON — LICENSE — No. 50363 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

11/10/23

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BIG CHICKEN — CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: MECHANICAL SCHEDULES

SUBSTATION

BIG CHICKEN — LAKE CITY, FLORIDA, USA

Revisions

CONCEPT APPROVAL 10.06.2023

1 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By RJB

Checked By MJM

Sheet No. 3 — M601

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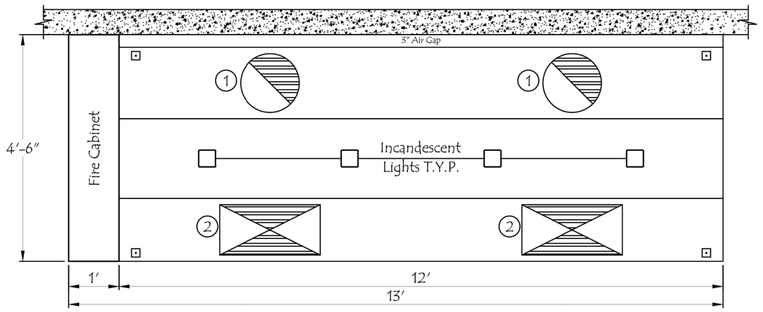
Plotted Date: Nov 10, 2023 - 4:14pm



PLAN VIEW
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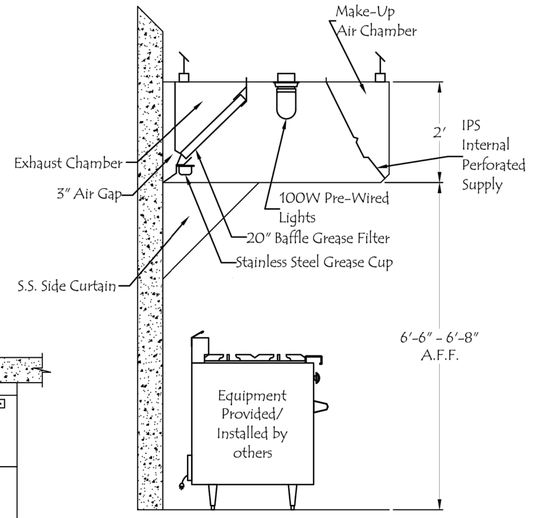

SECTION VIEW
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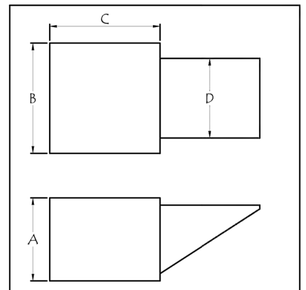

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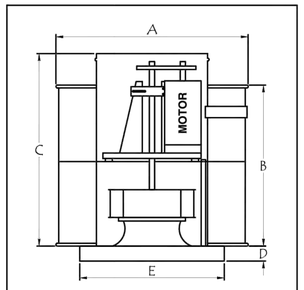
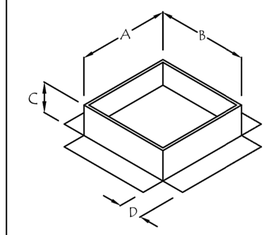


NOT TO SCALE

FAN MODEL	A	B	C	D	WT. LBS.
SF8	32"	32"	32"	25"	130 LBS.

FAN MODEL	A	B	C	D	E	WT. LBS.
36B	38"	22½"	25⅞"	2"	28" SQ.	165 LBS.



NOT TO SCALE

FAN MODEL	A	B	C	D
36B	26½"	26½"	18"	4"
SF8	31½"	31½"	10"	4"

*IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS

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HOODMART HOODS ARE BUILT IN COMPLIANCE WITH :
NFPA #96 & UL710
AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:
- NSF INTERNATIONAL -UL
-OPENINGS ARE RECOMMENDED SIZES, DUCT OPENINGS TO BE CUT AND DUCTS INSTALLED IN FIELD

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	① EXHAUST PLENUM TOTAL EXH. CFM	RISER(S) DIA.	QTY.	CFM.	S.P.	∅ SUPPLY PLENUM TOTAL SUP. CFM	RISER(S) WIDTH	LENG.	QTY.	CFM.	S.P.	HOOD CONSTRUCTION
1	HBMUA	144" NOM 156" OD	700 DEG.	3000	14"	2	1500	0.50	2400	12"	24"	2	1200	0.25	STAINLESS ALUMINIZED

HOOD NO.	FILTER(S) TYPE	QTY.	HEIGHT	LENGTH	LIGHT(S) TYPE	QTY.	WIRE GUARD	UTILITY CABINET(S) FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	LOCATION	EST. HOOD WEIGHT
1	S.S BAFFLE W/ HANDLES	4	20"	16"	INCANDESCENT LIGHT	4	-	KIDDE	12"	1351	-	-	660 LBS.
		4	20"	20"									

FAN UNIT NO.	FAN UNIT MODEL #	EXHAUST FAN MODEL	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA	SUPPLY FAN BLOWER	HOUSING	TAG	CFM	S.P.	RPM	H.P.	Ø	VOLT	FLA
1	36B EF-1	36B	EF-1	3000	0.50	1346	1	1	115/230	13/6.5	-	-	-	-	-	-	-	-	-	-
2	SF8 SF-1	-	-	-	-	-	-	-	-	-	-	SF8	SF-1	2400	0.25	668	1	1	115/230	16/8

NSF® · c UL us LISTED Safety Certified MH29547 · NFPA®

REVISIONS

REV	DATE	DRAWN BY	APP'VD BY	REMARKS

HOODMART. YOUR ONE STOP HOOD SHOP
172 REASER COURT ELYRIA, OHIO 44035 · TOLL FREE - 1-800-755-1014 FAX: 1-800-716-1214

EQUIPMENT SCHEDULE

12' X 54" HBMUA

CONTRACT NO. 160065 ITEM NO. -

JOB: SONIC - LAKE CITY
LOC: 211 NW CENTURION CT
LAKE CITY, FL
CUST: RUSTY ENFINGER
CUST#: -

DATE	SCALE	
10/27/2023	AS NOTED	DWG#160065 SHT 1 OF 3
DRAWN BY MAC	APPROVED BY -	

THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. HOOD CONTRACTOR SHALL SELECT AND CERTIFY ALL EXHAUST/M.U. AIR FANS. ALL SYSTEMS SHALL MEET ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL CODES AND OTHER REQUIREMENTS AS SHOWN IN DESIGN DRAWINGS.

LMHT Project No. 23104.00

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BIG CHICKEN - CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: HOOD DRAWINGS

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023
Drawn By
Checked By
Sheet No. 1
M701

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\M701.dwg
Plotted by: ehudson
Plotted Date: Nov 10, 2023 - 4:05pm

Hinge Kit Installation and Grease Extractor Details

Parts

2 - Fan Plates (Left & Right)
2 - Curb Plates (Left & Right)
2 - Whiz Bolt
6 - Whiz Nut

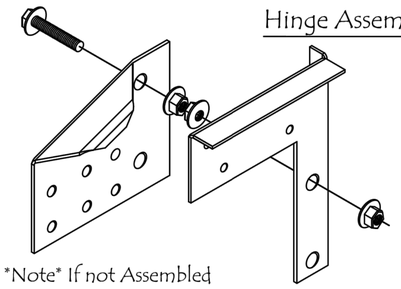
Sheet Metal Screws

12 - Short ($\frac{1}{2}$" L.G)
12 - Long ($\frac{3}{4}$" L.G)

Tools Needed

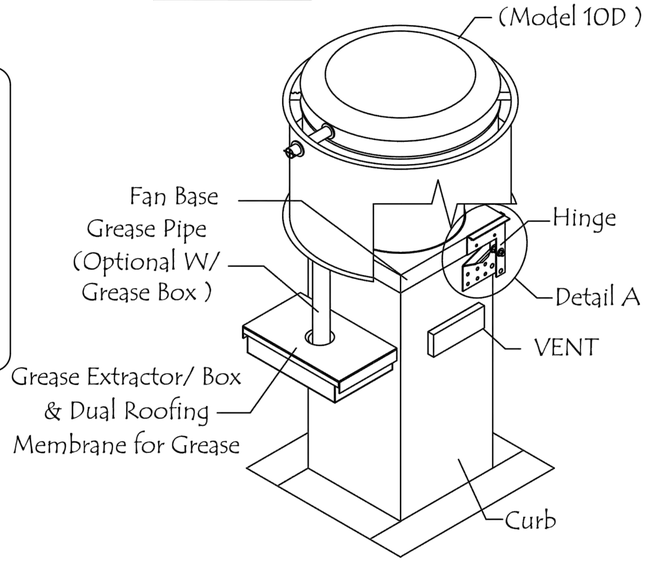
1. Cordless
2. $\frac{1}{4}$" Drill
3. $\frac{5}{16}$" DrillBit
4. Sharpie/Marker
5. MeasuringTool(Optional)
6. $\frac{1}{2}$" Open EndWrench (2)

Hinge Assembly



Note If not Assembled

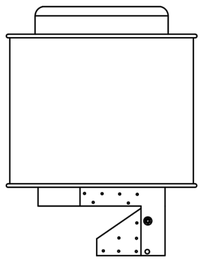
Isometric View



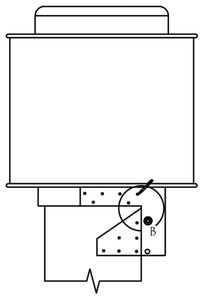
Step 1 - Line up the Fan Plate with the Fan Base as shown in picture 1.

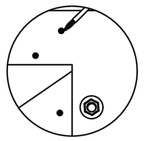
Step 2 - After lined up with the Fan Base, Mark out where you want your holes with a marker as shown in picture 2 (do the same for the Curb Plate)

Pic. 1

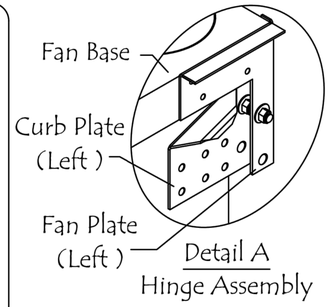


Pic. 2





Detail B

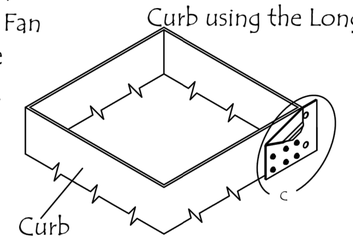


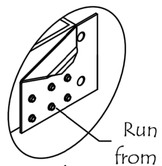
Hinge Assembly

Step 3 - Once Holes Are Marked and Drilled, You Can Screw The Fan Plate to The Fan Base Using The Short $\frac{1}{2}$" LG. Sheet Metal Screws.

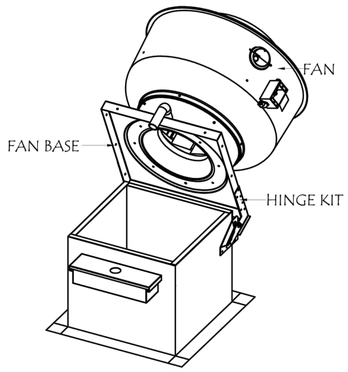
Note If screw hits the curb, cut the screw shorter or use a shorter screw.

Step 4 - Last step is to screw the Curb Plate to the Curb using the Long $\frac{3}{4}$" LG. Sheet metal Screws.





Detail C



OPEN POSITION
HINGE KIT & GREASE EXTRACTOR

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ALL EQUIPMENT IS UL LISTED COMPONENTS
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NFPA #96 & UL710
AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:
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-OPENINGS ARE RECOMMENDED SIZES, DUCT OPENINGS TO BE CUT AND DUCTS INSTALLED IN FIELD

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REVISIONS

REV	DATE	DRWN BY	APPV'D BY	REMARKS

HOODMART
YOUR ONE STOP HOOD SHOP
172 REASER COURT
ELYRIA, OHIO 44035
TOLL FREE: 1-800-715-1014
FAX: 1-800-716-1214

EQUIPMENT SCHEDULE

HINGE KIT & GREASE EXTRACTOR

CONTRACT NO. 160065 ITEM NO. -

JOB: SONIC - LAKE CITY
LOC: 211 NW CENTURION CT
LAKE CITY, FL
CUST: RUSTY ENFINGER
CUST#: -

DATE	SCALE
10/27/2023	AS NOTED
DRAWN BY: MAC	APPROVED BY: -

DWG#160065 SHT 2 OF 3

THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. HOOD CONTRACTOR SHALL SELECT AND CERTIFY ALL EXHAUST/M.U. AIR FANS. ALL SYSTEMS SHALL MEET ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL CODES AND OTHER REQUIREMENTS AS SHOWN IN DESIGN DRAWINGS.

LMHT Project No. 23104.00

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BIG CHICKEN - CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: HOOD DRAWINGS

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023

PROJECT DATE 11/10/2023

Drawn By

Checked By

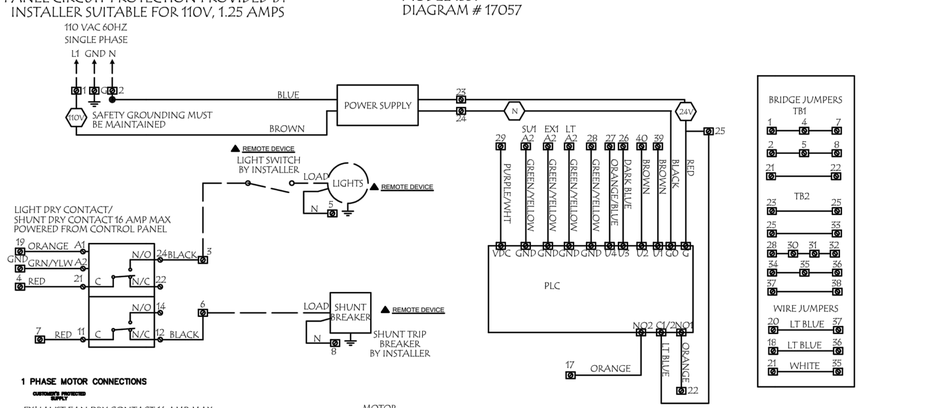
Sheet No. 1

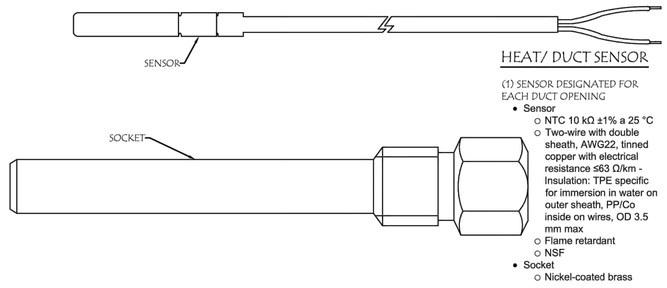
M702

Drawing File: Z:\2023\23104-BKCK Lake City FL - Conversion\CAD\M702r3.dwg
Plotted by: ehudson
Plotted Date: Nov 10, 2023 - 4:05pm

PANEL CIRCUIT PROTECTION PROVIDED BY INSTALLER SUITABLE FOR 110V, 1.25 AMPS

MODEL 1351
DIAGRAM # 17057



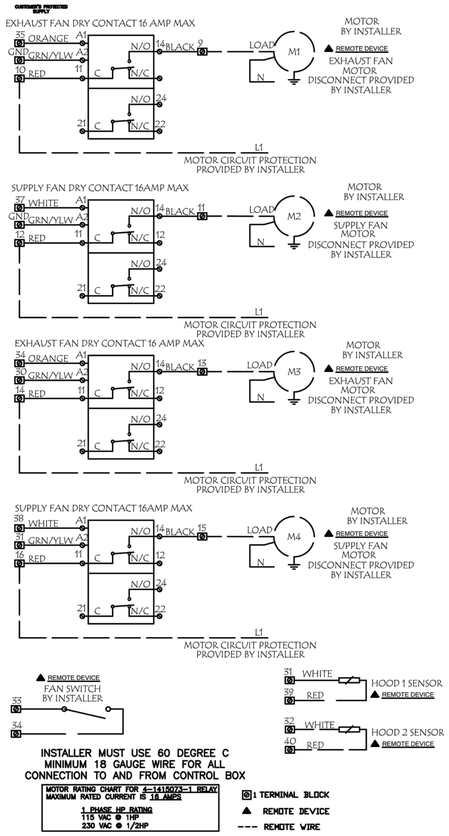


HEAT/ DUCT SENSOR

(1) SENSOR DESIGNATED FOR EACH DUCT OPENING

- Sensor
  - NTC 10 kΩ ±1% a 25 °C
  - Two-wire with double sheath, AWG22, tinned copper with electrical resistance ≤63 Ω/km - Insulation: TPE specific for immersion in water on outer sheath, PP/Co inside on wires, OD 3.5 mm max
  - Flame retardant
  - NSF
- Socket
  - Nickel-coated brass

1 PHASE MOTOR CONNECTIONS

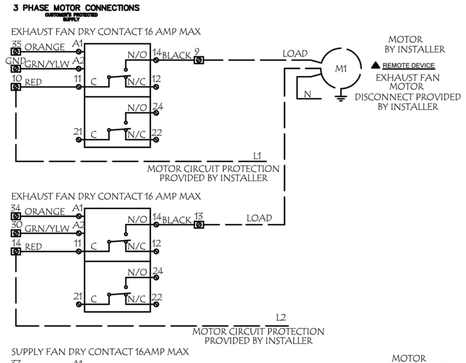


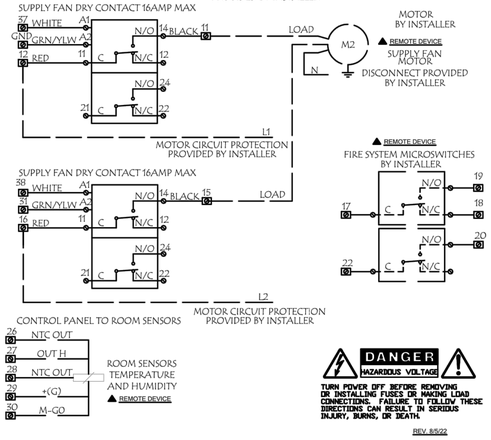
INSTALLER MUST USE 60 DEGREE C MINIMUM 18 GAUGE WIRE FOR ALL CONNECTION TO AND FROM CONTROL BOX

MOTOR RATING CHART FOR 4-1415073-1 RELAY MAXIMUM RATED CURRENT IS 16 AMPS	
1 PHASE HP RATING	
115 VAC ● 1HP	
230 VAC ● 1/2HP	

1 TERMINAL BLOCK
REMOTE DEVICE
REMOTE WIRE

3 PHASE MOTOR CONNECTIONS





DANGER
HAZARDOUS VOLTAGE

TURN POWER OFF BEFORE REMOVING OR INSTALLING FUSES OR MAKING LOAD CONNECTIONS. FAILURE TO FOLLOW THESE DIRECTIONS CAN RESULT IN SERIOUS INJURY, BURNS, OR DEATH.

REV. 8/5/22

*IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS

ALL EQUIPMENT IS UL LISTED COMPONENTS
HOODMART HOODS ARE BUILT IN COMPLIANCE WITH :
NFPA #96 & UL710
AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:
- NSF INTERNATIONAL -UL
-OPENINGS ARE RECOMMENDED SIZES, DUCT OPENINGS TO BE CUT AND DUCTS INSTALLED IN FIELD

NSF® · c UL us LISTED Safety Certified MH29547 · NFPA®

REVISIONS

REV	DATE	DRAWN BY	APPROVED BY	REMARKS

HOODMART
YOUR ONE STOP HOOD SHOP
172 REASER COURT ELYRIA, OHIO 44035
TOLL FREE : 1-800-715-1014
FAX: 1-800-716-1214

EQUIPMENT SCHEDULE

12' X 54" HBMUA

CONTRACT NO. 160065 ITEM NO. -

JOB: SONIC - LAKE CITY
LOC: 211 NW CENTURION CT
LAKE CITY, FL
CUST: RUSTY ENFINGER
CUST#: -

DATE	SCALE	DWG#	SHT
10/27/2023	AS NOTED	160065	3 OF 3
DRAWN BY: MAC	APPROVED BY: -		

THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. HOOD CONTRACTOR SHALL SELECT AND CERTIFY ALL EXHAUST/M.U. AIR FANS. ALL SYSTEMS SHALL MEET ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL CODES AND OTHER REQUIREMENTS AS SHOWN IN DESIGN DRAWINGS.

LMHT Project No. 23104.00

FOR REFERENCE ONLY

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: HOOD DRAWINGS

Revisions

CONCEPT APPROVAL 10.06.2023

PROJECT DATE 11/10/2023

Drawn By

Checked By

Sheet No. 1

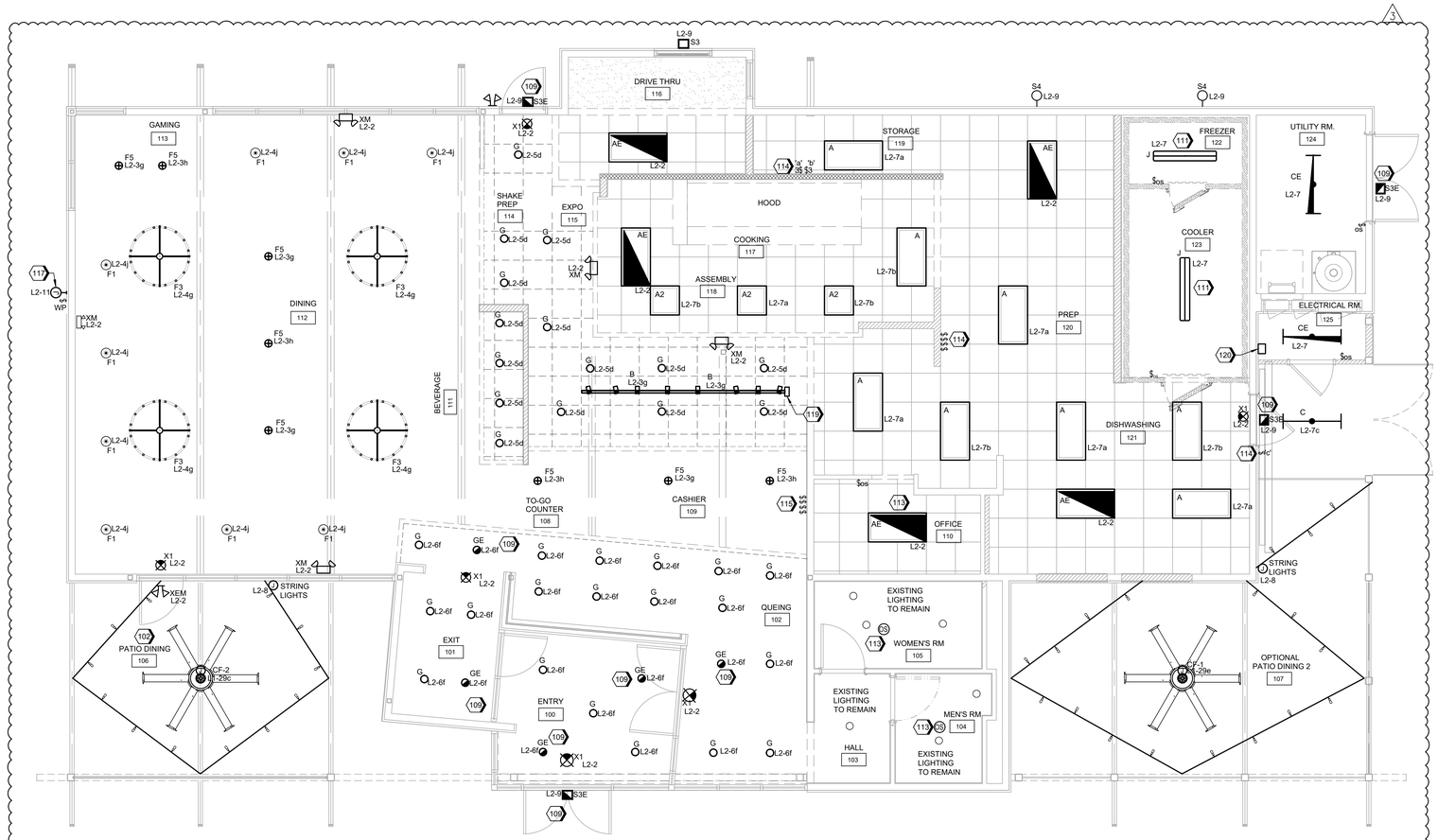
M703

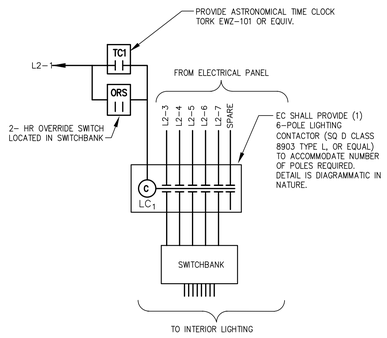
Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\M703v3.dwg
Plotted By: chudson
Plotted Date: Nov 10, 2023 - 4:25pm

GENERAL NOTES	GENERAL NOTES
A. REFER TO SHEET E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES. B. DINING ROOM LIGHTING PLAN CORRESPONDS TO ARCHITECHTUAL REFLECTED CEILING PLAN, ELECTRICAL CONTRACTOR SHALL REFER TO THE PLANS PROVIDED BY INTERIOR DECOR. C. ALL LIGHTING FIXTURES SHALL BE SWITCHED LOCALLY, CONTROLLED BY OCCUPANCY SENSOR OR CONTACTOR CONTROLLED UNLESS OTHERWISE NOTED. D. REFER TO ARCHITECTURAL CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHT FIXTURES AND HVAC DIFFUSER LOCATIONS PRIOR TO ANY ELECTRICAL ROUGH-IN. E. ELECTRICAL CONTRACTOR SHALL DETERMINE FINAL CONDUCTOR LENGTHS AND SIZES AS PER N.E.C. SIZE OF CONDUCTORS SHALL BE ADJUSTED FOR VOLTAGE DROP AS REQUIRD BY N.E.C. F. ALL PENETRATIONS THROUGH THE WALK IN COOLER/FREEZER ARE TO BE SEALED WITH SILICONE AROUND THE INTERIOR AND EXTERIOR OF THE CONDUITS TO PREVENT CONDENSATION.	G. ELECTRICAL CONTRACTOR SHALL FEED SIGNAGE AND SECURITY LIGHTING WITH SEPERATE CIRCUITS ON ANY COMMON CONDUIT RUN. FOR EXAMPLE, DO NOT FEED A POLE TOP SECURITY LIGHT IN THE SAME CIRCUIT WITH THE LARGE SIGN. SEPERATE ALL SIGNAGE AND SECURITY LIGHTING. H. REFER TO ARCHITECTURAL ELEVATIONS FOR BUILDING SIGN LOCATIONS. COORDINATE ALL J-BOX LOCATIONS WITH SIGN LOCATIONS PRIOR TO INSTALLATION. I. FOR LIGHTS WITH EMERGENCY BATTERY BACK-UP: NORMAL DUTY BALLAST TO BE SWITCHED. EMERGENCY BALLAST TO OPEN UPON POWER FAILURE ONLY. J. EXIT SIGNS AND NIGHT LIGHTS SHALL NOT BE SWITCHED. K. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE,AND LOCAL REQUIREMENTS WHERE CONFLICTS ARISE,THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

KEYNOTES

102	CONDUIT AND CIRCUITRY IN THIS AREA SHALL BE CONCEALED FROM VIEW.
109	EMERGENCY LIGHT TO BE SWITCHED AS INDICATED. EMERGENCY BATTERY PACK TO ENERGIZE FIXTURE UPON POWER FAILURE.
111	LIGHTING FIXTURES PROVIDED BY COOLER/FREEZER MANUFACTURER. TYPICAL.
113	CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTING WITHIN THIS SPACE. PROVIDE PASSIVE INFRARED LINE VOLTAGE HUBBELL #PIR10P CEILING MOUNTED SERIES OR EQUIVALENT, WITH A MAXIMUM DELAY SETTING OF 30 MINUTES.
114	PROVIDE WALL SWITCHES TO CONTROL GENERAL LIGHTING CIRCUITS. EACH SWITCH SHALL HAVE A NAME PLATE, 3 LAYER LAMINATED PLASTIC WHITE ON BLACK, 1/8" LETTERS. REFER TO DETAIL 1/E601.
115	PROVIDE WALL SWITCHES TO CONTROL OUTDOOR DINING HEATERS,STRING LIGHTS, AND CEILING FANS. INDICATE WHICH HEATER OR CEILING FAN IS CONTROLLED ON EACH SWITCH WITH A NAME PLATE, 3 LAYER LAMINATED PLASTIC WHITE ON BLACK, 1/8" LETTERS.
117	PROVIDE CIRCUIT AND JUNCTION BOX TO BUILDING LED SIGN. RUN CIRCUITS VIA LIGHTING CONTACTOR. COORDINATE EXACT LOCATION OF J-BOXES WITH ACTUAL LOCATION OF RESPECTIVE SIGNAGE. COORDINATE EXACT LOCATION OF SIGN WITH ARCHITECTUAL PLANS. REFER TO E501 FOR LIGHTING CONTROL DIAGRAM.
119	EC SHALL PROVIDE AND INSTALL 60W CURRENT LIMITER FOR TRACK LIGHT
120	EC SHALL INSTALL ASTRONOMICAL TIME CLOCK AND CONTACTOR AS SHOWN IN DETAILS 2/E101, THIS SHEET.





2	INTERIOR LIGHTING CONTROL DIAGRAM	1	LIGHTING PLAN
NTS		1/4" = 1'-0"	

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phone: 919.544.0087 fax: 919.544.9399

LMHT Project No. 23104.00

NELSON RAY THOMPSON JR. LICENSED No. 50383 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: LIGHTING PLAN

Revisions
CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By JAY

Checked By BK

Sheet No. E101

Drawing File: C:\Users\chudson\appdata\local\temp\AcPublish_5800\E101(3).dwg
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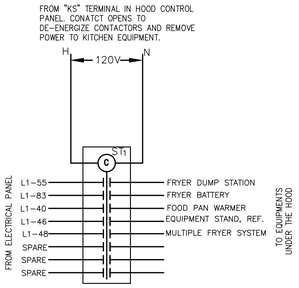
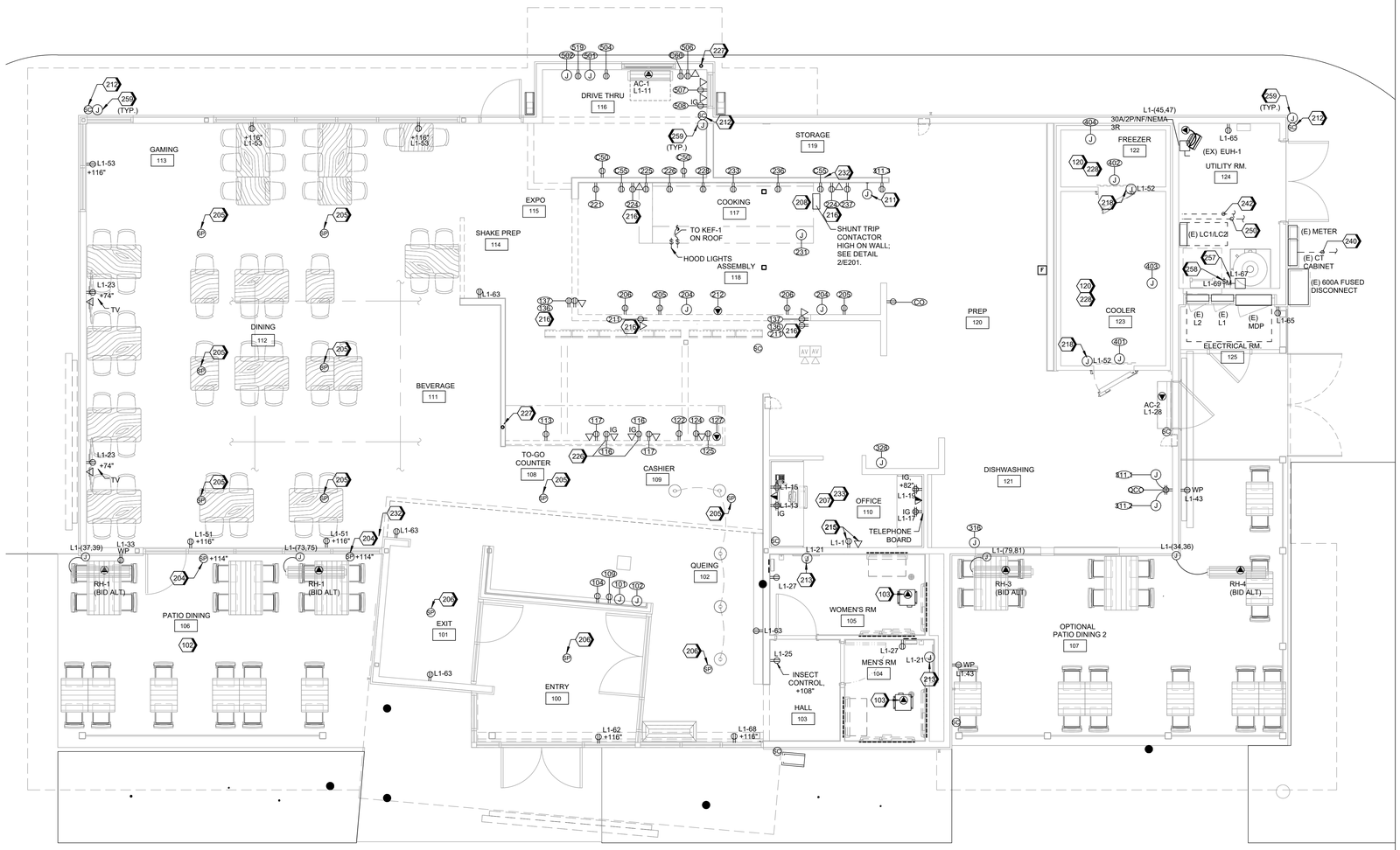
Plotted Date: Nov 10, 2023 - 3:45pm



2 SHUNT TRIP WIRING DETAIL

NTS



1 POWER PLAN

1/4" = 1'-0"

GENERAL NOTES

A. REFER TO SHEET E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.

B. DETERMINE ALL POWER AND TELEPHONE COMPANY REQUIREMENTS PRIOR TO ALL INSTALLATIONS.

C. PROVIDE AND LEAVE A PULL WIRE IN ALL EMPTY CONDUITS.

D. ELECTRICAL KITCHEN EQUIPMENT SCHEDULE IS ONLY SHOWN FOR REFERENCE. COORDINATE ALL KITCHEN RECEPTACLES(S), EQUIPMENT CONNECTIONS, AND INSTALLATION WITH KITCHEN DRAWINGS AND EQUIPMENT SUPPLIER. REFER TO EQUIPMENT SUPPLIER DRAWINGS FOR ADDITIONAL EQUIPMENT LISTING AND REQUIREMENTS.

E. ALL ISOLATED GROUND JUNCTION BOXES, LOCATED ABOVE CEILING FOR REGISTERS, SHALL BE LABELED "REGISTER."

F. E.C. SHALL PROVIDE ELECTRICAL HOOKUP OF ALL OWNER/EQUIPMENT SUPPLIER SUPPLIED PRODUCTS.

G. E.C. SHALL DO THE FINAL HOOKUP FOR THE ELECTRICAL NEEDS OF THE KITCHEN EQUIPMENT, WALK-INS, BEVERAGE EQUIPMENT, AND ALL OWNER SUPPLIED EQUIPMENT/PRODUCTS. E.C. SHALL BE AVAILABLE FOR THE EQUIPMENT START-UP.

H. E.C. SHALL REFER TO AND COORDINATE ALL CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DOCUMENTS WITH THE FOOD SERVICE AND MANUFACTURER DOCUMENTS FOR THE PLACEMENT OF ALL MATERIALS, IN CASE OF DISCREPANCIES BETWEEN THE FOOD SERVICE DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS AND OTHER CONSTRUCTION DOCUMENTS, NOTIFY THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH WORK.

GENERAL NOTES

J. ALL ISOLATED GROUND SPLICES SHALL BE MADE WITH CRIMP TYPE CONNECTORS. WIRE NUTS ARE NOT ACCEPTABLE.

K. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWING LOCATIONS (PART B-OTHER THAN DWELLING UNIT KITCHENS) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. THIS INCLUDES RECEPTACLES ON 240-VOLT CIRCUITS, THREE-PHASE RECEPTACLES ON 208Y/120-VOLT THREE-PHASE CIRCUITS IN THOSE AREAS WOULD ALSO REQUIRE GFCI PROTECTION, PER NEC 210.8 (B) AND AHJ REQUIREMENTS.

L. REFER TO EQUIPMENT SCHEDULES FOR CONNECTION INFORMATION AND MOUNTING HEIGTS.

M. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE,THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

N. CONTRACTOR SHALL INSTALL SOOW CORDS WITH KELLUM STYLE STRAIN RELIEFS AND APPROPRIATE PLUGS FOR KITCHEN EQUIPMENT AS REQUIRED. COORDINATE ALL REQUIRMENTS WITH KITCHEN EQUIPMENT PROVIDER.

KEYNOTES

#	
102	CONDUIT AND CIRCUITRY IN THIS AREA SHALL BE CONCEALED FROM VIEW.
103	CONNECT EXHAUST FAN TO OCCUPANCY SENSOR IN RESTROOM. EXHAUST FAN SHALL OPERATE WHEN LIGHTS ARE ON. REFER TO SHEET E101 FOR OCCUPANCY SENSOR LOCATION.
120	ONLY SEALTIGHT SHALL BE PERMITED IN WALK-IN COOLER/FREEZER. SEAL PER NEC 300.7(A).
204	EXTERIOR WALL MOUNTED SPEAKERS.EPISODE #ECS-AW70V-4-BLK MOUNTED BELOW PORCH BEAMS. PROVIDE 18 GAUGE PLENUM RATED SPEAKER WIRE BACK TO AMPLIFIER. PROVIDE SEPARATE VOLUME CONTROL IN OFFICE.
205	DROP SPEAKER QUAM #FM4X1/70 HUNG FROM EXPOSED RAFTERS. PROVIDE 22 GAUGE PLENUM RATED SPEAKER WIRE BACK TO AMPLIFIER.
206	SURFACE MOUNTED SPEAKER QUAM #C10XB70/WS/VC. PROVIDE 22 GAUGE PLENUM RATED SPEAKER WIRE BACK TO AMPLIFIER.
207	PROVIDE JBL #CSMA2120 MIXER-AMPLIFIER. SOUND SOURCE PROVIDED BY BIG CHICKEN DMX PROFUSION IO FOR PANDORA USING RCA OUTPUTS. AV SUPPLIER RESPONSIBLE FOR ALL CONNECTIONS AND SETUP.
208	MOUNT AGAINST HOOD 6" BELOW CEILING FOR HOOD MOUNTED KITCHEN MONITOR. VERIFY FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
211	INSTALL RACO #294 4" OCTAGON BOX MOUNTED FLUSH IN WALL 48" ABOVE FINISHED FLOOR WITH 1/2" CONDUIT ROUTED TO ABOVE CEILING WITH PULLWIRE FOR ANSUL PULLSTATION.
212	SECURITY CAMERA LOCATION. DETERMINE FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION. TYP.
213	PROVIDE STEP-DOWN TRANSFORMER FOR TOUCH-FREE VALVES.
214	NOT USED.
215	WALL MOUNTED SECURITY MONITOR. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
216	MOUNT 6" BELOW CEILING FOR KITCHEN MONITOR. DETERMINE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
218	PROVIDE POWER FOR WALK-IN DOOR HEAT TRACE AND CONDENSATE DRAIN HEAT TRACE TAPE REFER TO MANUFACTURER FOR REQUIREMENTS.
226	ALL CASH REGISTERS SHALL HAVE SEPARATE ISOLATED GROUND WIRES TO THE PANELBOARD. COVER PLATE SHALL BE TYPE '302', STAINLESS STEEL.
227	PROVIDE (1) 4X4 PULL BOX @ 24" A.F.F., WITH (1) 2" PVC CONDUIT FOR CONNECTION TO POINT OF SALE LOCATIONS.
228	SILICONE SEAL ALL CONDUIT PENETRATIONS ABOVE AND BELOW, INSIDE AND OUT AT WALK-INS TO CONTROL CONDENSATION (TYPICAL).
232	PROVIDE 1/2" CONDUIT WITH PULLWIRE FOR TEMPERATURE & HUMIDITY CONTROLS TO 6" ABOVE THE CEILING FOR CONNECTION WITH RTU(S). COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT SENSOR LOCATIONS AND CONNECTION REQUIREMENTS.
233	COORDINATE ALL OFFICE WORK WITH OWNER PRIOR TO BEGINNING CONSTRUCTION.
240	EXISTING SECONDARY CONDUITS FROM UTILITY TRANSFORMER TO REMAIN AS IS.
242	(2) 2"C WITH PULL STRING UNDERGROUND TO MENUBOARD AND SPEAKER PEDDISTAL FOR VOICE AND POWER. COORDINATE/VERIFY LOCATION WITH OWNER AND PROVIDER.
250	PROVIDE (2) 2" EMPTY CONDUIT WITH PULL STRING TO PROPERTY LINE FOR TELECOMMUNICATIONS. COORDINATE/VERIFY LOCATION WITH OWNER AND PROVIDER. ROUTE CONDUIT ABOVE ACCESSABLE CEILING SPACE TO TELEPHONE BOARD IN MANAGERS OFFICE.
256	NOT USED.
257	EC SHALL PROVIDE A SINGLE PHASE, 120 VOLT, DISCONNECT FOR WH-1.
258	PROVIDE SAFETY DISCONNECT SWITCH, FOR RECIRCULATION PUMP, 120V/1P-20A, TOGGLE EXTEND FROM DISCONNECT TO EQUIPMENT WITH LIQUIDTIGHT FLEXIBLE METAL CONDUIT.
259	EC SHALL PROVIDE SECURITY CAMERA, DETERMINE EXACT SPECIFICATIONS WITH MANUFACTURE INFORMATION AND CONNECT PER MANUFACTURE INSTRUCTIONS.

LMHT Project No. 23104.00

NATIONAL RESTAURANT DESIGNERS
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NELSON RAY THOMPSON JR. LICENSED No. 50383 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: POWER PLAN

Revisions

	CONCEPT APPROVAL 10.06.2023
1	TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By JAY

Checked By BK

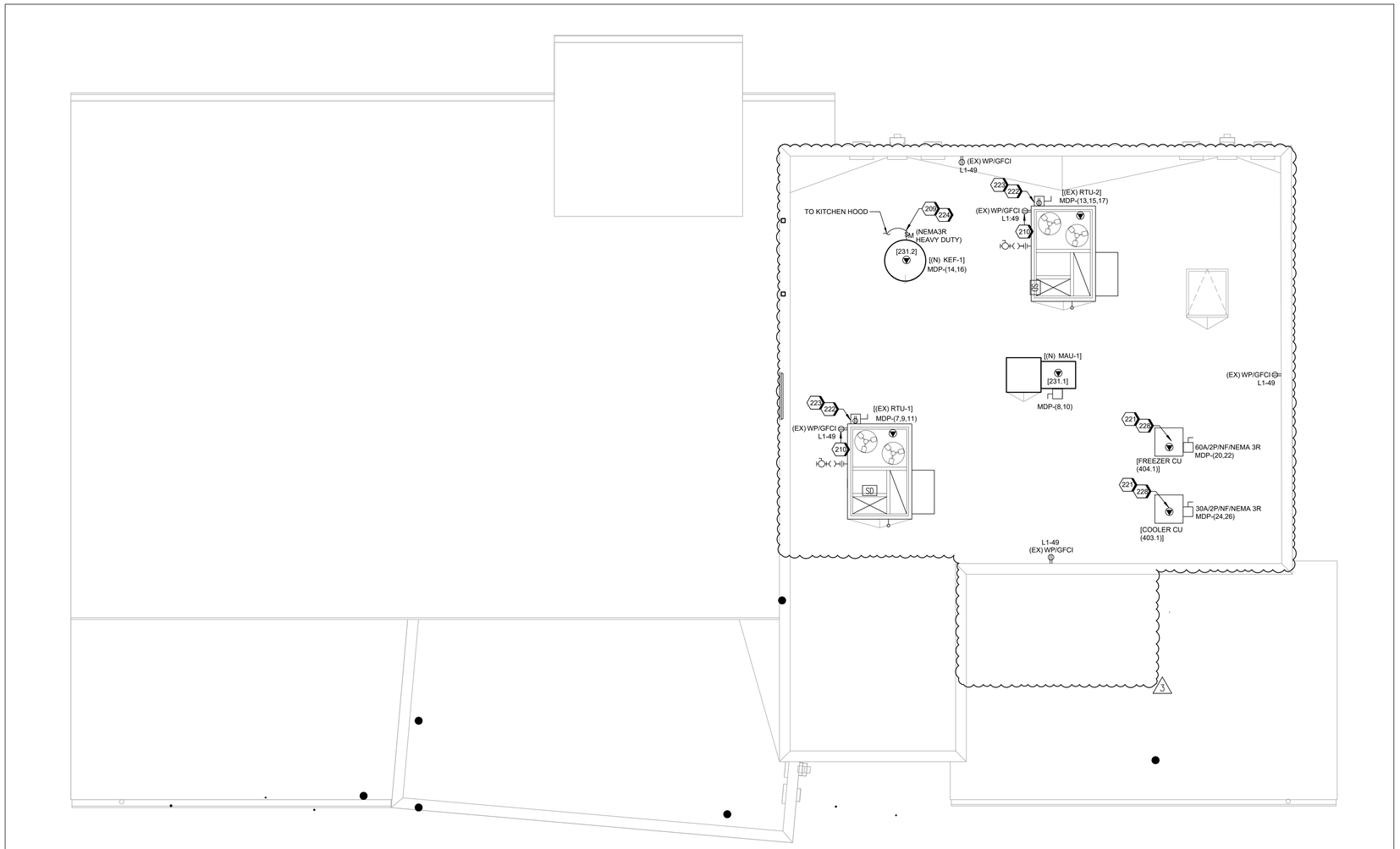
Sheet No. E201 3

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\E2013.dwg
Plotted by: chudson
Plotted Date: Nov 10, 2023 - 3:45pm

GENERAL NOTES	GENERAL NOTES
A. ALL ROOF MOUNTED EQUIPMENT SHALL BE IN NEMA-3R ENCLOSURES. B. ALL CONDUIT RUNS SHOWN ON THE ROOF SHALL BE RUN BELOW IN THE CEILING SPACE WHERE AMBIENT TEMPERATURE WILL BE BELOW 30° C. FINAL CONNECTIONS TO THE ROOF EQUIPMENT IS LIMITED TO 5'-0" OF DIRECT SOLAR EXPOSURE. C. DETERMINE ALL FUSE SIZES AND TYPES WITH THE MECHANICAL EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION. D. DETERMINE CONNECTION POINTS OF ALL HVAC EQUIPMENT PRIOR TO INSTALLATION. PROVIDE CONTROL VOLTAGE CONNECTION TO DUCT MTD., SMOKE DETECTOR AS REQUIRED BY MECHANICAL PLANS AND INTERLOCK WITH FIREALARM. E. REVIEW THE MECHANICAL PLANS FOR HVAC CONTROL REQUIREMENTS AND SCOPE OF WORK PRIOR TO BIDDING AND INCLUDE ALL COSTS IN BID. F. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND THERMOSTATS. PROVIDE RACEWAY SYSTEM FOR ALL CONTROL WIRING AS REQUIRED BY MECHANICAL PLANS.	G. E.C. TO COORDINATE ELECTRICAL, MECHANICAL, FIRE ALARM (IF REQUIRED) FOR INTERLOCK SEQUENCE FOR FIRE SUPPRESSION. H. REFER TO SHEET E001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES. I. PROVIDE AND LEAVE A PULL WIRE IN ALL EMPTY CONDUITS. J. REFER TO SHEET E501 FOR EQUIPMENT SCHEDULES AND CONNECTION INFORMATION. K. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. WHERE CONFLICTS ARISE, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

KEYNOTES

209	CIRCUIT FEEDS FROM PANELBOARD, THROUGH HOOD CONTROL PANEL AND UP TO ROOF. REFER TO MECHAINCAL PLANS FOR KITCHEN HOOD SUBMITTAL DATA.
210	RECEPTACLE IS PROVIDED WITH UNIT. CONTRACTOR TO PROVIDE POWER WIRING.
221	ROUTE CONTROL WIRE TO CONTROLLER BELOW. COORDINATE WITH GENERAL CONTRACTOR.
222	EXISTING ROOFTOP UNIT TO REMAIN AS IS. PROVIDE 3/4" CONDUIT AND WIRE BELOW ROOF FOR RTU CONTROLS. IF NOT ALREADY PROVIDED.
223	EXISTING INTEGRAL DISCONNECT SWITCH
224	DISCONNECT SWITCH PROVIDED BY FAN MANUFACTURER.
228	SILICONE SEAL ALL CONDUIT PENETRATIONS ABOVE AND BELOW, INSIDE AND OUT AT WALK-INS TO CONTROL CONDENSATION (TYPICAL).



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

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LMHT Project No. 23104.00

NELSON RAY THORNTON JR.
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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: ROOF POWER PLAN

Revisions

CONCEPT APPROVAL 10.06.2023
3 TENANT CHANGE. 11.03.2023

PROJECT DATE
11/10/2023

Drawn By
JAY

Checked By
BK

Sheet No.
E301

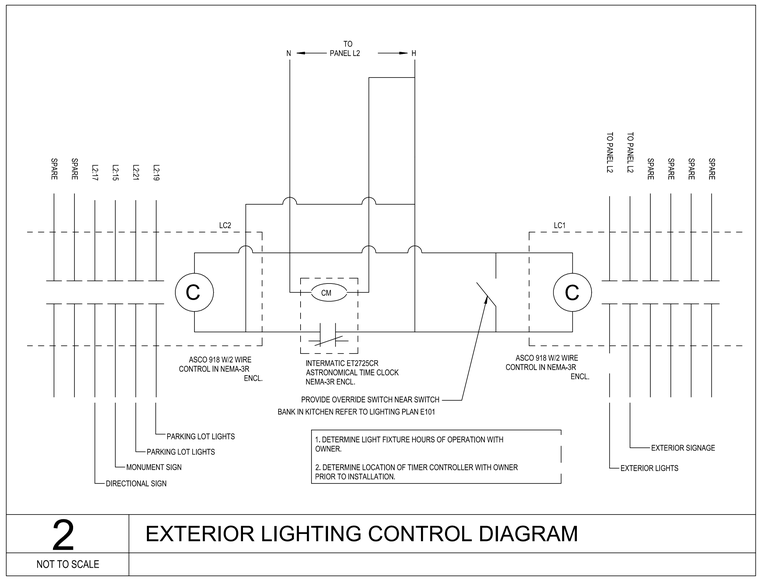
Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\E301r3.dwg
Plotted By: chudson
Plotted Date: Nov 10, 2023 - 3:49pm

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	DESCRIPTION	LAMP	VOLTAGE	WATTS	MOUNTING	COMMENTS
A	SATCO/NUVO	NUVO 65-572 2X4 LED BACKLIT FLAT PANEL	GASKETED 2'X4' RECESSED TROFFER (4000K COLOR TEMP, 80 CRI)	LED	120 V	50	CEILING	
AE	SATCO/NUVO	NUVO 65-572EM 2X4 LED BACKLIT FLAT PANEL	GASKETED 2'X4' RECESSED TROFFER WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMP, 80 CRI)	LED	120 V	50	CEILING	
A2	LITHONIA	2GTL 2 40L GZ10 LP840 ABC	GASKETED 2'X2' RECESSED TROFFER (4000K COLOR TEMP, 80 CRI)	LED	120 V	18	CEILING	
B	WAC LIGHTING	H-LED202-30-BK	SUMMIT LED202 15W H.O. TRACK LUMINAIRE 3000K	LED	120 V	60	TRACK	15 WATTS PER TRACK HEAD, 4 HEADS PER TRACK
C	LITHONIA	CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI	48" INDUSTRIAL STRIP (4000K COLOR TEMP, 80 CRI)	LED	120 V	20	SURFACE	
CE	LITHONIA	CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI E10WLCP	48" INDUSTRIAL STRIP (4000K COLOR TEMP, 80 CRI) WITH EMERGENCY	LED	120 V	20	SURFACE	
F1	WORLEYS	GALILEO PENDANT 8"	8" PENDANT LIGHT, CLASSIC BRASS METAL AND BLACK WOOD FINISH	LED	120 V	40	PENDANT	USE 40W LED FROSTED GLOBE SOFT WHITE BULBS
F3	LINEA DI LIARA	LL-CH5-50-5BLK	SONORO ROUND 50" CHANDELIER. LED BULBS INCLUDED	LED	120 V	640	SURFACE	USE 40W LED FROSTED GLOBE SOFT WHITE BULBS
F5	BEGA	69 976	SURFACE MOUNTED DOWNLIGHT	LED	120 V	15	SURFACE	
G	BRUCK	BLS1984151	GX15 LED MINI PENDANT-MFR ID: 350440/30K/3B/BK/P	LED	120 V	15	PENDANT	
STRING LIGHT	PRIMUS	DSD/DSW	LED - DECO STRING SERIES/SUSPENDED DECORATIVE STRING LIGHT SYSTEMS	LED	120 V	1.5	SUSPENDED	
J	WALK-IN VENDOR	FIXTURE PROVIDED BY WALK-IN SUPPLIER	VAPOR TIGHT LED FIXURE	LED	120 V	36	SURFACE	
S3E	LITHONIA	WST LED P1 40K VW MVOLT E20WH DBLXD	FAÇADE EXTERIOR WALL SCONCE WITH 90MIN BATTERY BACKUP (4000K COLOR TEMP)	LED	120 V	11	SURFACE	
S4	SATCO	NUVO 62-142R1 BLK	2 LT LED SM UP & DOWN SCONCE (3000K COLOR TEMP)	LED	120 V	10	SURFACE	
X1	COMPASS	CER	WHITE THERMOPLASTIC EXIT, UNIVERSAL FACE, RED LED EMERGENCY EXIT, NICAD BATTERY, CEC T20 COMPLIANT.	LED	120 V	2	CEILING	
XM	LITHONIA	EU2C ERE W T SQ M12	LED EMERGENCY LIGHT WITH 90MIN BATTERY BACKUP	LED	120 V	1	WALL/SURFACE	
XEM	LITHONIA	WLTU GY MR	EXTERIOR LED EMERGENCY LIGHT WITH 90MIN BATTERY BACKUP	LED	120 V	1	WALL	

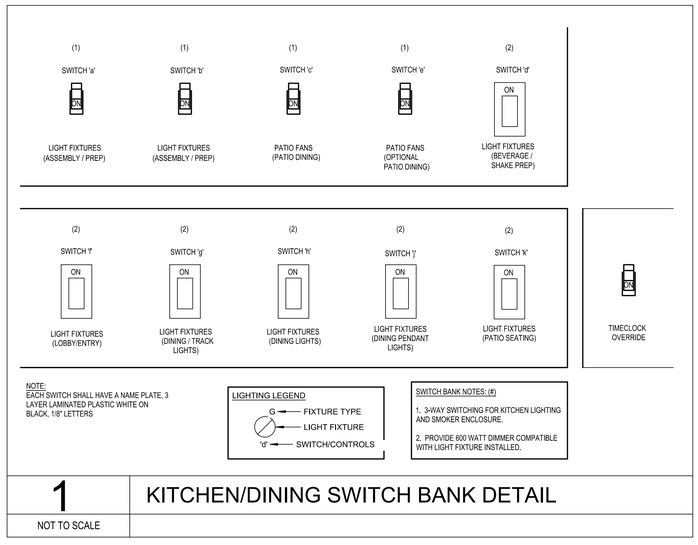
EQUIPMENT CONNECTION SCHEDULE

TAG	DISCONNECT RATING (AMP/VOLTAGE/POLE/FUSE/NEMA RAITING)	HP	kW	FLA	STARTER TYPE	VOLTAGE/POLES	LOAD	CIRCUIT NUMBER	WIRE & CONDUIT	COMMENTS
NEW AC-1	-	1/6	-	3	-	120 V/1	360 VA	L1-11	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
NEW AC-2	-	3/4	-	5	-	120 V/1	600 VA	L1-28	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
EXISTING EF-1	-	1/8	-	3.3	-	120 V/1	400 VA	L2-10	2#12, #12 GND IN 3/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
EXISTING EF-2	-	1/8	-	3.3	-	120 V/1	400 VA	L2-10	2#12, #12 GND IN 3/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
EXISTING EUH-1	30A/2P/NF/NEMA 3R	-	5	24	-	208 V/2	4992 VA	L1-(45,47)	2#10, #10 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
EXISTING RTU-1	-	-	-	45.3	-	208 V/3	16308 VA	MDP-(7,9,11)	3#4, #10 GND IN 1-1/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
EXISTING RTU-2	-	-	-	38.3	-	208 V/3	13788VA	MDP-(13,15,17)	3#6, #10 GND IN 1"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
NEW RH-1 (ALT. BID)	-	-	3	10.6	-	208 V/1	2205 VA	L1-(37,39)	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
NEW RH-2 (ALT. BID)	-	-	3	10.6	-	208 V/1	2205 VA	L1-(73,75)	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
NEW RH-3 (ALT. BID)	-	-	3	10.6	-	208 V/1	2205 VA	L1-(79,81)	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
NEW RH-4 (ALT. BID)	-	-	3	10.6	-	208 V/1	2205 VA	L1-(34,36)	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.



2 EXTERIOR LIGHTING CONTROL DIAGRAM

NOT TO SCALE



1 KITCHEN/DINING SWITCH BANK DETAIL

NOT TO SCALE

KITCHEN EQUIPMENT ELECTRICAL SCHEDULE - PER KITCHEN EQUIPMENT CONSULTANT

TAG	DESCRIPTION	CONN DESC. / CONN PLUG / MTG HEIGHT	FL AMP	WATTS	HP	VOLTAGE	PHASE	CIRCUIT NUMBER	WIRE & CONDUIT	COMMENTS
101	NUGGET ICE MAKER	JBOX WM / DIRECT / 84"	14.2 A	-	1-1/2	208/230 V	1	L1-(2,4)	2#12, #12 GND IN 3/4"C	
102	SODA DISPENSER	JBOX WM / DIRECT / 50"	-	-	-	120 V	1	L1-6	2#12, #12 GND IN 3/4"C	BY VENDOR - DETERMINE W/ VENDOR
104	BEVERAGE DISPENSER, ELECTRIC	DEDICATED OUTLET / 5-15P / 50"	8.0 A	-	-	115 V	1	L1-8	2#12, #12 GND IN 3/4"C	
109	CARBONATOR	DEDICATED OUTLET / 5-15P / 12"	6.5 A	780 W	1/3	120 V	1	L1-10	2#12, #12 GND IN 3/4"C	BY VENDOR - DETERMINE W/ VENDOR
113	HEATED HOLDING SHELF	DEDICATED OUTLET / 5-15P / 12"	-	-	-	120 V	1	L1-12	2#12, #12 GND IN 3/4"C	
116	POS SYSTEM	PWR & DATA / 5-15P / 24"	-	-	-	120 V	1	L1-14	2#12, #12 GND, #12 IG IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
116	POS SYSTEM	PWR & DATA / 5-15P / 24"	-	-	-	120 V	1	L1-16	2#12, #12 GND, #12 IG IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
117	PRINTER	PWR & DATA / 5-15P / 24"	-	-	-	120 V	1	L1-14	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
117	PRINTER	PWR & DATA / 5-15P / 24"	-	-	-	120 V	1	L1-16	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
122	MIXER, DRINK/BAR	DEDICATED OUTLET / 5-15P / 24"	2.6 A	-	-	120 V	1	L1-20	2#12, #12 GND IN 3/4"C	
124	REFRIGERATOR, UNDERCOUNTER	DEDICATED OUTLET / 5-15P / 12"	2.5 A	288 W	1/6	115 V	1	L1-22	2#12, #12 GND IN 3/4"C	
125	PRINTER	PWR & DATA / 5-15P / 38"	-	-	-	120 V	1	L1-18	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
127	SOFT SERVE MACHINE	HIGH VOLTAGE OUTLET / - / 38"	26.0 A	-	1-1/2	208/230 V	1	L1-(74,76)	2#8, #10 GND IN 3/4"C	DETERMINE PLUG CONNECTION W/ VENDOR
136	MONITOR	PWR & DATA / 5-15P / 56"	-	-	-	120 V	1	L1-24	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
136	MONITOR	PWR & DATA / 5-15P / 56"	-	-	-	120 V	1	L1-26	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
137	PRINTER	PWR & DATA / 5-15P / 44"	-	-	-	120 V	1	L1-24	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
137	PRINTER	PWR & DATA / 5-15P / 44"	-	-	-	120 V	1	L1-26	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
204	HOT FOOD WELL UNIT, ELECTRIC	JBOX WM / DIRECT / 24"	4.2 A	500 W	-	120 V	1	L1-30	2#12, #12 GND IN 3/4"C	
204	HOT FOOD WELL UNIT, ELECTRIC	JBOX WM / DIRECT / 24"	4.2 A	500 W	-	120 V	1	L1-32	2#12, #12 GND IN 3/4"C	
205	CHEESEMELTER, ELECTRIC	DEDICATED OUTLET / 5-15P / 24"	10.0 A	1200 W	-	120 V	1	L1-31	2#12, #12 GND IN 3/4"C	
205	CHEESEMELTER, ELECTRIC	DEDICATED OUTLET / 5-15P / 24"	10.0 A	1200 W	-	120 V	1	L1-35	2#12, #12 GND IN 3/4"C	
206	SANDWICH/SALAD REFRIGERATOR	DEDICATED OUTLET / 5-15P / 12"	4.5 A	-	1/4	115 V	1	L1-41	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
206	SANDWICH/SALAD REFRIGERATOR	DEDICATED OUTLET / 5-15P / 12"	4.5 A	-	1/4	115 V	1	L1-56	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
211	MONITOR	PWR & DATA / 5-15P / 55"	-	-	-	120 V	1	L1-59	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
211	MONITOR	PWR & DATA / 5-15P / 55"	-	-	-	120 V	1	L1-59	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
212	TOASTER, CONTACT GRILL, CONV.	HIGH VOLTAGE OUTLET / 6-20P / 24"	12.5 A	2600 W	-	208 V	1	L1-(78,80)	2#12, #12 GND IN 3/4"C	
221	REACH-IN FREEZER	DEDICATED OUTLET / 5-15P / 84"	8.5 A	-	3/4	115 V	1	L1-77	2#12, #12 GND IN 3/4"C	
224	MONITOR	PWR & DATA / 5-15P / 55"	-	-	-	120 V	1	L1-61	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
224	MONITOR	PWR & DATA / 5-15P / 55"	-	-	-	120 V	1	L1-61	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
225	FRYER DUMP STATION	DEDICATED OUTLET / 5-15P / 12"	15.1 A	1820 W	-	120 V	1	L1-55	2#12, #12 GND IN 3/4"C	
226	FRYER BATTERY, GAS	DEDICATED OUTLET / 5-15P / 12"	7.0 A	-	1/3	115 V	1	L1-83	2#12, #12 GND IN 3/4"C	
228	FOOD PAN WARMER, COUNTERTOP	DEDICATED OUTLET / 5-15P / 12"	12.5 A	1500 W	-	120 V	1	L1-40	2#12, #12 GND IN 3/4"C	
231	HOOD	JBOX / DIRECT / 115"	-	-	-	-	-	L1-38	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER. SEE SHOP DRAWINGS
231.1	MUA	JBOX / DIRECT / -	8.0	-	1	208 V	1	MDP-(8,10)	2#12, #12 GND IN 3/4"C	SEE SHOP DRAWINGS, DETERMINE EXISTING UTILITIES
231.2	EXHAUST FAN (KEF-1)	JBOX / DIRECT / -	6.5	-	1	208 V	1	MDP-(14,16)	2#12, #12 GND IN 3/4"C	SEE SHOP DRAWINGS, DETERMINE EXISTING UTILITIES
233	EQUIPMENT STAND, REFRIG. BASE	DEDICATED OUTLET / 5-15P / 12"	2.2 A	-	1/5	115 V	1	L1-46	2#12, #12 GND IN 3/4"C	
236	MULTIPLE FRYER SYSTEM, GAS	DEDICATED OUTLET / 5-15P / 12"	8.5 A	-	-	120 V	1	L1-48	2#12, #12 GND IN 3/4"C	
237	MEGA TOP PREPARATION REFRIG.	DEDICATED OUTLET / 5-15P / 12"	6.0 A	-	1/3	115 V	1	L1-50	2#12, #12 GND IN 3/4"C	
311.1	OIL MANAGEMENT SYSTEM	DEDICATED OUTLET / 5-15P / 84"	12.0 A	-	-	120 V	1	L1-42	2#12, #12 GND IN 3/4"C	BY VENDOR - DETERMINE W/ VENDOR
311.2	OIL MANAGEMENT SYSTEM	DEDICATED OUTLET / 5-15P / 84"	12.0 A	-	-	120 V	1	L1-44	2#12, #12 GND IN 3/4"C	BY VENDOR - DETERMINE W/ VENDOR
311.3	DIPSTICK	DEDICATED OUTLET / 5-15P / 24"	12.0 A	-	-	120 V	1	L1-54	2#12, #12 GND IN 3/4"C	BY VENDOR - DETERMINE W/ VENDOR
316	DISHWASHER	JBOX WM / DIRECT / 24"	-	-	-	208 V	3	MDP-(19,21,23)	3#4, #10 GND IN 1-1/4"C	BY VENDOR - DETERMINE W/ VENDOR. DETERMINE PLUG CONNECTION W/ VENDOR
328	WATER HEATER (GAS)	JBOX WM / DIRECT / 60"	-	-	-	120 V	1	L1-67	2#12, #12 GND IN 3/4"C	BY PC - DETERMINE W/ PC
401	WALK-IN COOLER DOOR	JBOX / DIRECT / 102"	-	-	-	120 V	1	L1-58	2#12, #12 GND IN 3/4"C	SEE SHOP DRAWINGS, DETERMINE EXISTING UTILITIES
402	WALK-IN FREEZER DOOR	JBOX / DIRECT / 102"	-	-	-	120 V	1	L1-60	2#12, #12 GND IN 3/4"C	SEE SHOP DRAWINGS
403	EVAPORATOR COIL (REFRIG)	JBOX / DIRECT / 80"	-	-	-	-	-	-	POWERED FROM COND.	SEE SHOP DRAWINGS
403.1	COOLER CONDENSER	JBOX / DIRECT / -	-	-	-	208 V	1	MDP-(24,26)	2#12, #12 GND IN 3/4"C	SEE SHOP DRAWINGS
404	EVAPORATOR COIL (FREEZER)	JBOX / DIRECT / 80"	-	-	-	-	-	-	POWERED FROM COND.	SEE SHOP DRAWINGS
404.1	FREEZER CONDESNER	JBOX / DIRECT / -	-	-	-	208 V	1	MDP-(20,22)	2#8, #10 GND IN 3/4"C	SEE SHOP DRAWINGS
501	NUGGET ICE MAKER	JBOX WM / DIRECT / 84"	14.2 A	-	1-1/2	208 V	1	L1-(70,72)	2#12, #12 GND IN 3/4"C	
502	SODA DISPENSER	JBOX WM / DIRECT / 50"	-	-	-	120 V	1	L1-84	2#12, #12 GND IN 3/4"C	BY VENDOR - DETERMINE W/ VENDOR
504	CARBONATOR	DEDICATED OUTLET / 5-15P / 84"	6.5 A	780 W	1/3	120 V	1	L1-66	2#12, #12 GND IN 3/4"C	BY VENDOR - DETERMINE W/ VENDOR
506	DRIVE-THRU SCREEN	PWR & DATA / 5-15P / 60"	5.0 A	-	-	120 V	1	L1-82	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
507	PRINTER	PWR & DATA / 5-15P / 44"	-	-	-	120 V	1	L1-9	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
508	POS	PWR & DATA / 5-15P / 44"	-	-	-	120 V	1	L1-9	2#12, #12 GND, #12 IG IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
519	UNDERCOUNTER REFRIGERATOR	DEDICATED OUTLET / 5-15P / 12"	6.3 A	-	1/5	120 V	1	L1-64	2#12, #12 GND IN 3/4"C	BY OWNER - DETERMINE W/ OWNER
C50	DUPLEX CONVENIENCE OUTLET	DUPLEX OUTLET / 5-20R / 50"	1.5 A	180 W	-	120 V	1	L1-57	2#12, #12 GND IN 3/4"C	BY EC
C50	DUPLEX CONVENIENCE OUTLET	DUPLEX OUTLET / 5-20R / 50"	1.5 A	180 W	-	120 V	1	L1-57	2#12, #12 GND IN 3/4"C	BY EC
C55	DUPLEX CONVENIENCE OUTLET	DUPLEX OUTLET / 5-20R / 55"	1.5 A	180 W	-	120 V	1	L1-3	2#12, #12 GND IN 3/4"C	BY EC
C55	DUPLEX CONVENIENCE OUTLET	DUPLEX OUTLET / 5-20R / 55"	1.5 A	180 W	-	120 V	1	L1-3	2#12, #12 GND IN 3/4"C	BY EC
C60	DUPLEX CONVENIENCE OUTLET	DUPLEX OUTLET / 5-20R / 60"	1.5 A	180 W	-	120 V	1	L1-57	2#12, #12 GND IN 3/4"C	BY EC
CO	DUPLEX CONVENIENCE OUTLET	DUPLEX OUTLET / 5-20R / 50"	1.5 A	180 W	-	120 V	1	L1-5	2#12, #12 GND IN 3/4"C	BY EC
QCO	QUAD CONVENIENCE OUTLET	QUADPLEX OUTLET / 5-20R / 84"	3.0 A	360 W	-	120 V	1	L1-7	2#12, #12 GND IN 3/4"C	BY EC

NOTE: THIS INFORMATION IS FROM KITCHEN EQUIPMENT CONSULTANT DRAWINGS, SHOWN HERE FOR COORDINATION. FIELD DETERMINE INFORMATION WITH LATEST KITCHEN EQUIPMENT CONSULTANT DRAWINGS PRIOR TO ORDERING, ROUGH-IN AND INSTALLATION. FOR ADDITIONAL INFORMATION, SEE KITCHEN EQUIPMENT DRAWINGS.

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: ELECTRICAL DETAILS and SCHEDULES

Revisions

CONCEPT APPROVAL 10.06.2023
1 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By JAY

Checked By BK

Sheet No. **E501**

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\E501v5.dwg
Plotted by: jmorgan
Plotted Date: Nov 13, 2023 - 12:12pm

CKT. #	DESCRIPTION	NOTE	BREAKER POLE	BREAKER AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER AMP.	BREAKER POLE	NOTE	DESCRIPTION	CKT. #
1	(EX)PANEL "L1"		3	300	21.69	24.4			2.67	100	3		(EX) PANEL "L2"	2
3					22.17		26.3		4.12					4
5					22.19			25.6	3.46					6
7	(EX) RTU-1	1	3	60	5.44	6.3			0.83	20	2	1	(N) 231.1 - MUA-1	8
9					5.44		6.3		0.83					10
11					5.44			5.4					SPACE	12
13	(EX) RTU-2	1	3	50	4.60	5.3			0.68	20	2	1	(N) 231.2 - EXHAUST FAN (KEF-1)	14
15					4.60		5.3		0.68					16
17					4.60			4.6					SPACE	18
19	(N) 316 - DISHWASHER	2,3	3	60	5.44	8.0			2.60	40	2	1	(N) 404.1 - FREEZER CONDENSOR	20
21	(DETERMINE POWER REQ.'S W/ VENDOR				5.44		8.0		2.60					22
23	PRIOR TO ORDERING BREAKER)				5.44			7.0	1.56	20	2	1	(N) 403.1 - COOLER CONDENSOR	24
25	SPACE		1			1.6			1.56					26
27	SPACE		1				0.0				1		SPACE	28
29	SPACE		1					0.0			1		SPACE	30
31	SPACE		1			0.0					1		SPACE	32
33	SPACE		1				0.0				1		SPACE	34
35	SPACE		1					0.0			1		SPACE	36
37	SPACE		1			0.0					1		SPACE	38
39	SPACE		1				0.0				1		SPACE	40
41	SPACE		1					0.0			1		SPACE	42
	MODEL SQ D I-LINE					46	46	43	TOTAL KVA PER PHASE					
	LOCATION SEE PLAN					379	382	355	AMPS PER PHASE					

VOLTAGE 208Y/120V
PHASE 3
WIRE 4
MAINS 600 MLO
RATING 600 (AMPS)
WITH I.G. BAR NO

MOUNTING SURFACE
FEEDER SEE RISER
MIN AIC 35k

SEE POWER LOAD SUMMARY

(EX) PANEL "MDP"

NOTES:
1) PROVIDE HACR BREAKER.
2) PROVIDE GFCI TYPE BREAKER.
3) PROVIDE LOCKABLE BREAKER PER NEC 422.31 IF NO LOCAL DISC. PROVIDED.

CKT. #	DESCRIPTION	NOTE	BREAKER POLE	BREAKER AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER AMP.	BREAKER POLE	NOTE	DESCRIPTION	CKT. #
1	(EX) TIME CLOCKS	1	1	20	0.50	0.7			0.19	20	1	1	(N) EXIT/NIGHTLIGHT	2
3	(N) DINING/CASHIER/TRACK LTG	3	1	20	1.15		1.3		0.14	20	1	3	(N) DINING PENDANT	4
5	(N) REVERSE/SHAKE PREP/EXPO LTG	3	1	20	0.14			0.6	0.41	20	1	3	(N) ENTRY/QUEING LTG	6
7	(N) KITCHEN/BOH LTG	3	1	20	0.60	0.8			0.18	20	1	3	(EX) OUTDOOR DINING LTG	8
9	(EX) BUILDING EXTERIOR LTG	2,3	1	20	0.19		1.1		0.91	20	1		(EX) RESTROOM LTG, EXHAUST FANS	10
11	(EX) BUILDING SIGNAGE	2,3	1	20	1.20			1.7	0.50	20	1	1,4	(N) HOT BOX HEAT TAPE	12
13	(N) HEAT LAMPS		1	20	0.50	0.5				20	1		SPARE	14
15	(EX) MONUMENT SIGN	2,3	1	20	1.20		1.2			20	1		SPARE	16
17	(EX) DIRECTIONAL SIGN	3	1	20	1.20			1.2		20	1		SPARE	18
19	(EX) PARKING LOT LIGHTING	3	1	20	0.70	0.7							SPACE	20
21	(EX) PARKING LOT LIGHTING	3	1	20	0.53		0.5						SPACE	22
23	SPARE		1	20				0.0					SPACE	24
25	SPARE		1	20		0.0							SPACE	26
27	SPARE		1	20			0.0						SPACE	28
29	SPACE							0.0					SPACE	30
31	SPACE					0.0							SPACE	32
33	SPACE						0.0						SPACE	34
35	SPACE							0.0					SPACE	36
37	SPACE					0.0							SPACE	38
39	SPACE						0.0						SPACE	40
41	SPACE							0.0					SPACE	42
	MODEL SQ D NQ					2.7	4.1	3.5	TOTAL KVA PER PHASE					
	LOCATION SEE PLAN					22	34	29	AMPS PER PHASE					

VOLTAGE 208Y/120V
PHASE 3
WIRE 4
MAINS 100A MLO
RATING 100 (AMPS)
WITH I.G. BAR NO

MOUNTING SURFACE
FEEDER SEE "MDP"
MIN AIC 22k

ITEMS	CON.	%	DEM.
RECEPTACLES	0.0	code	0.0
KITCHEN	0.0	65%	0.0
HVAC	0.0	100%	0.0
LIGHTS (INT.)	3.8	125%	4.8
LIGHTS (EXT.)	2.3	125%	2.9
MISC.	4.1	100%	4.1
TOTAL KVA	10.3		11.8
TOTAL AMPS	28		33

(EX) PANEL "L2"

NOTES:
1) PROVIDE LOCKABLE BREAKER PER NEC 422.31.
2) PROVIDE LOCKABLE BREAKER PER NEC 600.6.
3) ROUTE THROUGH LIGHTING CONTACTOR
4) PROVIDE GFEP BREAKER.

CKT. #	DESCRIPTION	NOTE	BREAKER POLE	BREAKER AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER AMP.	BREAKER POLE	NOTE	DESCRIPTION	CKT. #
1	(EX) SECURITY SYSTEM		4	1	20	1.00	2.5			1.48	20	2	4	(N) 101 - NUGGET ICE MAKER	2
3	(N) CS5 - DUPLEX CONV. OUTLET		1	1	20	0.36		1.8		1.48					4
5	(N) CO - DUPLEX CONV. OUTLET		1	1	20	0.18			0.5	0.36	20	1	4	(N) 102 - SODA DISPENSER	6
7	(N) QCO - QUAD CONV. OUTLET		1	1	20	0.36	1.3			0.92	20	1	1	(N) 104 - BEVERAGE DISPENSER	8
9	(N) 507/508 PRINTER/POS		1,2	1	20	0.40		1.2		0.78	20	1	1	(N) 109 - CARBONATOR	10
11	(N) AC-1 - DRIVE THRU		4	1	20	0.36			1.9	1.50	20	1	1	(N) 113 - HEATED HOLDING SHELF	12
13	(EX) OFFICE DESK RECEPTACLES		2	1	20	0.36	0.7			0.32	20	1	1,2	(N) 116/117 - POS SYSTEM/PRINTER	14
15	(EX) OFFICE DESK RECEPTACLES		2	1	20	0.36		0.7		0.32	20	1	1,2	(N) 116/117 - POS SYSTEM/PRINTER	16
17	(EX) TELEPHONE BOARD		2	1	20	0.36			0.6	0.20	20	1		(N) 125 - PRINTER	18
19	(EX) TELEPHONE BOARD		2	1	20	0.36	0.7			0.31	20	1	1	(N) 122 - MIXER, DRINK/BAR RECEPT	20
21	(EX) TOUCH FREE VALVES (RR)		4	1	20	0.10		0.4		0.29	20	1	1	(N) 124 - REFRIGERATOR, UNDERCTR	22
23	(N) TV MONITORS			1	20	0.40			0.8	0.40	20	1	2	(N) 136/137 - MONITOR/PRINTER	24
25	(EX) FLY TRAP			1	20	0.18	0.6			0.40	20	1	2	(N) 136/137- MONITOR/PRINTER	26
27	(EX) RESTROOM RECEPTACLES		1	1	20	0.36		1.0		0.60	20	1		(N) AC-2 - BACKDOOR	28
29	(N) CEILING FANS			1	20	0.36			0.9	0.50	20	1	4	(N) 204 - HOT FOOD WELL UNIT ELEC	30
31	(N) 204 - HOT FOOD WELL UNIT		1	1	20	1.20	1.7			0.50	20	1	4	(N) 204 - HOT FOOD WELL UNIT ELEC	32
33	(EX) OUTDOOR DINING RECEPTACLES		1	1	20	0.18		1.3		1.10	20	2		(N) RH-4 (ALTERNATE BID)	34
35	(N) 204 - HOT FOOD WELL UNIT		1	1	20	1.20			2.3	1.10					36
37	(N) RH-1 (ALTERNATE BID)			2	20	1.10	1.3			0.18	20	1	4	(N) 231 - HOOD CONTROLS (COOKING)	38
39						1.10		2.6		1.50	20	1	1	(N) 228 - FOOD PAN WARMER	40
41	(N) 206 - SANDWICH/SALAD REFRIG		1	1	20	0.52			2.0	1.44	20	1	1	(N) 311.1 - OIL MANAGEMENT SYS.	42
43	(EX) OPT. PATIO DINING RECEPTS		1	1	20	0.36	1.8			1.44	20	1	1	(N) 311.2 - OIL MANAGEMENT SYS.	44
45	(EX) EUH-1 (UTILITY RM)			2	30	2.50		2.7		0.25	20	1	1	(N) 233 - EQUIPMENT STAND, REFRIG	46
47						2.50			3.5	1.02	20	1	1	(N) 236 - MULTIPLE FRYER SYSTEM	48
49	(EX) ROOFTOP/RTU RECEPTACLES			1	20	0.90	1.6			0.69	20	1	1	(N) 237 - MEGA TOP PREP REFRIG	50
51	(N) WINDOW RECEPTACLES (DINING)			1	20	0.36		0.7		0.36	20	1	4	(N) WALK-IN HEAT TRACE TAPE	52
53	(EX) WINDOW RECEPTACLES (DINING)			1	20	0.54			2.0	1.44	20	1	1	(N) 311.3 - DIPSTICK	54
55	(N) 225 - FRYER DUMP STATION		1	1	20	1.82	2.3			0.52	20	1	1	(N) 206 - SANDWICH/SALAD REFRIG	56
57	(N) C50/C60 - DUPLEX CONV. OUTLET		1	1	20	0.54		1.1		0.60	20	1	1,4	(N) 401 - WALK-IN COOLER DOOR	58
59	(N) 211 - MONITOR		1,2	1	20	0.40			1.0	0.60	20	1	1,4	(N) 402 - WALK-IN FREEZER DOOR	60
61	(N) 224 - MONITOR		1,2	1	20	0.40	0.6			0.18	20	1		(N) SHOW WINDOW RECEPTS(ENTRY)	62
63	(EX) DINING/SHAKE PREP RECEPTS			1	20	0.72		1.5		0.76	20	1	1	(N) 519 - UNDERCOUNTER REFRIG	64
65	(EX) UTILITY/ELEC ROOM RECEPTACLE		1	1	20	0.36			1.1	0.78	20	1	1	(N) 504 - CARBONATOR	66
67	(N) 328 - WATER HEATER(CAS)		4	1	20	0.50	0.5				20	1		(N) SHOW WINDOW RECEPTS(QUEING)	68
69	(EX) RECIRCULATION PUMP			1	20	0.17		1.6		1.48	20	2	1,4	(N) 501 - NUGGET ICE MAKER	70
71	(EX) DRIVE THRU MENUBOARD			1	20	0.50			2.0	1.48					72
73	(N) RH-2 (ALTERNATE BID)			2	20	1.10	3.8			2.70	40	2	1	(N) 127 - SOFT SERVE MACHINE	74
75						1.10		3.8		2.70					76
77	(N) 221 - REACH IN FREEZER		1	1	20	0.98			2.3	1.30	20	2	1	(N) 212 - TOASTER, CONTACT GRILL	78
79	(N) RH-3 (ALTERNATE BID)			2	20	1.10	2.4			1.30					80
81						1.10		1.7		0.60	20	1		(N) 506 - DRIVE THRU SCREEN	82
83	(N) 226 - FRYER BATTERY, GAS			1	20	0.81			1.4	0.60	20	1	4	(N) 502 - SODA DISPENSER	84
	MODEL SQ D NQ									21.7	22.2	22.2	TOTAL KVA PER PHASE		
	LOCATION SEE PLAN									181	185	185	AMPS PER PHASE		

VOLTAGE 208Y/120V
PHASE 3
WIRE 4
MAINS 400 MLO
RATING 400 (AMPS)
WITH I.G. BAR YES

MOUNTING SURFACE
FEEDER SEE "MDP"
MIN AIC 22k

ITEMS	CON.	%	DEM.
RECEPTACLES	5.2	code	5.2
KITCHEN	39.0	65%	25.4
HVAC	6.6	100%	6.6
LIGHTS (INT.)	0.0	125%	0.0
LIGHTS (EXT.)	0.0	125%	0.0
MISC.	15.2	100%	15.2
TOTAL KVA	66.0		52.4
TOTAL AMPS	183		145

(EX) PANEL "L1"

NOTES:
1) PROVIDE GFCI TYPE BREAKER
2) I.G. CIRCUIT.
3) ROUTE THROUGH LIGHTING CONTACTOR
4) PROVIDE LOCKABLE BREAKER PER NEC 422.31.

GENERAL NOTES

A. ALL WIRING SHALL BE COPPER WITH 'THWN' INSULATION RATED AT 75° C UNLESS OTHERWISE NOTED.

B. PROVIDE 3/4" CONDUIT BELOW ROOF FOR CONTROL WIRING TO RTU. ROUTE THROUGH ROOF WITHIN UNIT CURB.

C. ALUMINUM SERVICE LATERAL FEEDERS SHALL BE PROVIDED WITH COMPRESSION CONNECTIONS UPON APPROVAL WITH AHJ.

D. PROVIDE ALL REQUIRED ELECTRICAL PANEL LABELING/MARKINGS AS REQUIRED BY THE 2017 NEC, SEC. 110.21-110.24, THE MARKING SHALL ADEQUATELY WARN OF THE HAZARD USING EFFECTIVE WORDS AND/OR COLORS AND/OR SYMBOLS. THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN. THE LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. THE LABEL SHALL ALSO BE SIZED ACCORDINGLY SO THE TEXT IS LEGIBLE WITH SUITABLE FONT SIZES ACCORDING TO ANSI Z535. 4-2011.

E. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE.THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

F. COORDINATE WITH ALL UTILITIES (POWER, PHONE AND CABLE/INTERNET) PRIOR TO BID. FURNISH AND/OR INSTALL ALL MATERIAL AND FURNISH ALL LABOR NECESSARY TO COMPLY WITH UTILITY REQUIREMENTS FOR THE UTILITY PRIMARY, SECONDARY AND METERING.

FAULT CURRENT CALCULATIONS

Basic Assumptions:

Transformer	Utility Xfmr
Rating	225 KVA
Secondary	208 V
Impedance	2.0%
SCA-end	31,228 A

Short circuit current through each cable segment:

From	To	Parallel	Length	Voltage	Wire Size	Wire Type	Conduit Type	C'	SCA-beg	SCA-end
UTILITY XFMR	CT CABINET	2 Sets	50 ft	208 V	#350	Cu	NonMetallic	22737	31,228 A	24,284 A
CT CABINET	SERVICE DISC	2 Sets	5 ft	208 V	#350	Cu	NonMetallic	22737	24,284 A	23,756 A
SERVICE DISC	PANEL MDP	2 Sets	15.0 ft	208 V	#350	Cu	Metallic	19704	23,756 A	22,093 A
PANEL MDP	PANEL L1	2 Sets	5.0 ft	208 V	#1/0	Cu	Metallic	8925	22,093 A	21,010 A
PANEL MDP	PANEL L2	1 Sets	5.0 ft	208 V	#3	Cu	Metallic	4633	22,093 A	18,433 A

* Constant is calculated as: 1 divided by square root of impedance times 1,000 (Impedance values from IEEE Std 241-1990 page 420)

FAULT CURRENT CALCULATION NOTES:

EC SHALL PROVIDE A TESTED SERIES RATED DISTRIBUTION SYSTEM CAPABLE OF WITHSTANDING THE ACTUAL AVAILABLE FAULT CURRENT. AT THE TIME OF DESIGN THE TRANSFORMER SPECIFICATIONS AND LOCATION WERE NOT KNOWN. THESE CALCULATIONS REPRESENT A WORST CASE ESTIMATE BASED ON AN INFINITE BUS DESIGN. EC SHALL ONLY USE THESE CALCULATIONS AS A GUIDELINE FOR THE PROPER SELECTION AND COORDINATION OF BREAKERS. ACTUAL VALUES WILL VARY ACCORDING TO NUMEROUS VARIABLES. VALUES ARE VALID ONLY FOR A 225kVA TRANSFORMER WITH AN IMPEDANCE OF 2.00% OR GREATER AND SERVICE LATERALS NOT LESS THAN 50 FEET IN TOTAL LENGTH. EC SHALL FIELD DETERMINE TRANSFORMER RATINGS AND LOCATION AND ALL CONDUCTOR VARIABLES PRIOR TO PURCHASING BREAKERS. ADJUST AS REQUIRED. CONSULT DESIGN ENGINEER AS NEEDED.

POWER LOAD SUMMARY (KVA)

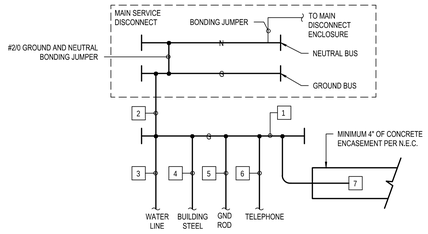
PANEL	RECEPTACLE LOAD	KITCHEN LOAD	HVAC LOAD	INTERIOR LIGHTING LOAD	EXTERIOR LIGHTING LOAD	MISCELLANEOUS LOADS	TOTAL CONNECTED LOAD
PANEL "MDP"	0.00	16.32	41.45	0.00	0.00	0.00	57.77
PANEL "L1"	5.17	39.05	6.62	0.00	0.00	15.21	66.05
PANEL "L2"	0.00	0.00	0.00	3.81	2.31	4.13	10.26
TOTAL CONNECTED LOAD BY EQUIPMENT TYPE	5.17	55.37	48.07	3.81	2.31	19.34	**134.08**

SERVICE CALCULATION PER CEC 220.88	
TOTAL CONNECTED KVA:	134.08
A: TOTAL CONNECTED KVA OVER 200KVA =	134.08 KVA
B: 50% OF THE AMOUNT OVER 200KVA =	
DEMAND KVA:	**134.08 KVA**
TOTAL DEMAND AMPERES:	**372.17 Amps**

TOTAL CONNECTED KVA	**134.08**
TOTAL CONNECTED AMPS	**372.18**

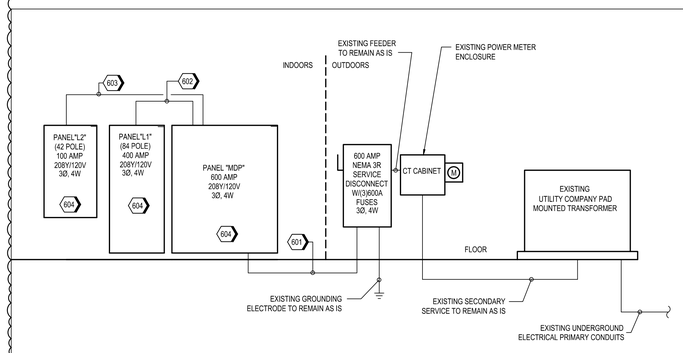
3

SERVICE GROUNDING NOTES:	
1	4" X 1/4" X 24" COPPER GROUND BUS WITH ISOLATING STANDOFFS MOUNTED ADJACENT TO PANEL "L1". COORDINATE EXACT LOCATION WITH G.C./OWNER.
2	1- #2/0 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT
3	1- #2/0 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT TO COLD WATER LINE SERVING BUILDING. MAKE CONNECTION WITHIN 5' OF WATERLINE ENTERING BUILDING.
4	1- #2/0 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT, CONNECTED TO BUILDING STRUCTURAL STEEL.
5	1- #6 GROUNDING ELECTRODE CONDUCTOR IN 3/4" CONDUIT, CONNECTED TO A 3/4" DIAMETER X 10'-0" LONG COPPER CLAD STEEL GROUND ROD
6	1- #6 EQUIPMENT GROUND CONDUCTOR IN 3/4" CONDUIT TO TELEPHONE TERMINAL BACKBOARD. REFER TO FLOOR PLAN FOR LOCATION.
7	1- #4 CONCRETE ENCASED GROUNDING ELECTRODE WITH A MINIMUM LENGTH OF 20'-0".



2 SERVICE ENTRANCE GROUNDING DETAIL

NOT TO SCALE | FOR REFERENCE ONLY



1 EXISTING ONE-LINE DIAGRAM

NOT TO SCALE

KEYNOTES

601	EXISTING THWN, 600A, 208V, (2-SETS) 4-350 KCMIL CU, #1 GND, #1 IG EACH IN 3"C TO REMAIN
602	EXISTING THWN, 300A, 208V, (2-SETS) 4-#1/0 CU, #4 GND, #4 IG, EACH IN 2"C TO REMAIN
603	EXISTING THWN, 100A, 208V, (1-SET) 4-#3 CU, #8 GND, IN 1-1/4"C TO REMAIN
604	EXISTING SQUARE D PANELBOARDS FOR PANELS MDP, L1, AND L2 TO REMAIN. PANEL DIMENSIONS, MDP:32"X 9.5"; L1:20"X 5.75"; L2:20"X 5.75".

3

LMHT Project No. 23104.00

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11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055

Drawing: PANEL SCHEDULES and ONE-LINE DIAGRAM

BIG CHICKEN 3

Revisions

CONCEPT APPROVAL 10.06.2023

3 TENANT CHANGE. 11.03.2023

PROJECT DATE 11/10/2023

Drawn By JAY

Checked By BK

Sheet No. **E601**

Drawing File: Z:\2023\23104-BIGCK Lake City FL - Conversion\CAD\E601r3.dwg
Plotted By: chudson
Plotted Date: Nov 10, 2023 - 3:49pm

TABLE OF CONTENTS

DIVISION 0 – INSTRUCTIONS TO BIDDERS

DIVISION 1 – GENERAL REQUIREMENTS

01010 SUMMARY OF WORK
01500 TEMPORARY FACILITIES

DIVISION 2 – SITE WORK

02070 DEMOLITION
02100 CLEARING AND GRUBBING
02200 EARTHWORK
02280 TERMITE CONTROL
02510 ASPHALT PAVING
02700 SITE DRAINAGE
02800 SITE UTILITIES

DIVISION 3 – CONCRETE

03300 CAST–IN PLACE CONCRETE

DIVISION 4 – MASONRY

04200 UNIT MASONRY
04730 MANUFACTURED STONE VENEER
04850 NATURAL STONE VENEER

DIVISION 5 – METALS

05400 COLD FORMED METAL FRAMING
05500 METAL FABRICATIONS

DIVISION 6 – WOOD AND PLASTICS

06100 ROUGH CARPENTRY
06160 SHEATHING
06195 PREFABRICATED WOOD TRUSSES AND ENGINEERED LUMBER
06200 FINISH CARPENTRY

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

07200 BUILDING INSULATION
07460 JAMES HARDIE PANELS & SIDING
07540 SINGLE–PLY MEMBRANE ROOFING SYSTEM (ALTERNATE)
07600 SHEET METAL
07920 JOINT SEALERS

DIVISION 8 – DOORS, WINDOWS AND GLASS

08110 STEEL DOORS AND FRAMES
08200 WOOD DOORS
08380 TRAFFIC/IMPACT DOORS
08400 ALUMINUM ENTRANCES AND STOREFRONTS
08560 VINYL WINDOWS
08710 FINISH HARDWARE
08800 GLASS AND GLAZING

DIVISION 9 – FINISHES

09250 GYPSUM DRYWALL
09300 TILE WORK
09510 ACOUSTICAL CEILINGS
09540 FIBERGLASS REINFORCED POLYESTER BOARD (FRP)
09680 CARPET
09705 SILIKAL FLOORING
09720 WALL COVERINGS
09990 PAINTING

DIVISION 10 – SPECIALTIES

10155 TOILET ACCESSORIES
10211 TOILET PARTITIONS
10730 PROTECTIVE COVERS

DIVISION 11 – EQUIPMENT

11172 WASTE COMPACTOR

DIVISIONS 12, 13, 14, – NOT USED

DIVISION 15 – MECHANICAL

15400 PLUMBING
15500 HEATING, VENTILATING AND AIR CONDITIONING

DIVISION 16 – ELECTRICAL

16100 BASIC ELECTRICAL REQUIREMENTS
16200 BASIC MATERIALS AND METHODS
16400 SERVICE AND DISTRIBUTION
16530 SITE LIGHTING

CORPORATE VENDOR LISTS

DIVISION 0 – INSTRUCTIONS TO BIDDERS

1. Bidders shall carefully examine the documents and the construction site to obtain first hand knowledge of existing conditions. Contractors will not be given additional compensation for conditions which can be determined by examining the site and documents. Only dated documents "Issued for Construction" and sealed by the Architect and/or Engineer shall be used for bidding and construction purposes.

2. Bidders shall carefully examine the drawings and specifications for compliance with all applicable codes, ordinances and regulations, as well as for any conflict, error or omission. Non–compliance must be reported immediately in writing to the Owner or Franchisee. Contractors will not be given additional compensation for deviations not so reported prior to contract award.

3. Insurance and Bonds

   A. The insurance required by subparagraph shall be written for not less than any limits of liability required by law or by those set forth below, whichever is greater. All companies must be licensed to do business in the state and/or jurisdiction of the project.

   B. Workmen's Compensation: Each contractor shall take out and maintain during the life of this Contract, Workmen's Compensation Insurance for all of his employees employed at the site of this work. For work sub–contracted, the contractor shall require the subcontractor similarly to provide Workmen's Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the contractor. Should any employee engage in hazardous work under this Compensation Statute, each contractor shall provide and cause each sub–contractor to provide adequate coverage for the protection of his employees not protected otherwise. Provide employer's liability coverage of $100,000 aggregate.

   C. Comprehensive General Liability Insurance: Minimum Bodily Injury limits of $1,000,000 for each occurrence and $1,000,000 aggregate. Maintain Property Damage insurance with minimum limits of $100,000 for each occurrence and $100,000 aggregate.

   D. Contractual Liability: Bodily injury $1,000,000; Property Damage $1,000,000 each occurrence; and $1,000,000 aggregate.

   E. Personal Injury: $1,000,000 aggregate.

   F. Comprehensive Automobile Liability insurance for all owned, non–owned, and hired vehicles: Minimum limits for Bodily Injury of $1,000,000 for each person and $1,000,000 for each accident and Property Damage minimum limits of $1,000,000.

   G. Each contractor shall purchase and maintain during the life of this contract, such Property Investment and Builders Risk Insurance upon the entire work at the site in the amount of 100% of his contract. This insurance, including off–site stored materials shall include the interests of the Owner, the Contractor, the Sub–Contractors, and sub–sub–contractors in the work and shall insure against the perils of fire, extended coverage, vandalism, theft, and malicious mischief. If by the terms of this insurance any mandatory deductibles are required, or if the contractor should elect, with the concurrence of the Owner, to increase the voluntary deductible amounts, the contractor shall be responsible for payment of the amount of deductible in the event of a paid claim.

   H. Before an exposure to loss may occur, the contractor shall file with the Owner or Franchisee a copy of each policy that includes insurance coverage required by this paragraph. Each policy shall contain all generally applicable conditions, definitions, exclusions, and endorsements related to this Project. Each policy shall contain a provision that the policy will not be canceled or allowed to expire until at least 30 days prior written notice has been given to the Owner or Franchisee.

   I. In waiving rights of recovery under terms of this paragraph, the term "Owner" or "Franchisee" shall be deemed to include his employees and the Architect and his employees as the Owner's representatives as provided for in the Contractor Document.

   J. Bonds: Each prime contractor shall furnish a Performance Bond in an amount equal to one hundred percent (100%) of the Contract Sum as security for the faithful performance of this contract and also a Labor and Material Payment Bond in an amount not less than one hundred percent (100%) of the Contract Sum or in a penal sum not less than that prescribed by State, Territorial, or Local law, as security for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract. The Performance Bond may be in one or in separate instruments in accordance with local law and shall be delivered to the Owner or Franchisee not later than the date of execution of the contract.

   K. Furnish three copies of certificates herein called for and specifically set forth evidence of all coverage required. Each contractor shall furnish to the Owner or Franchisee copies of any endorsements that are subsequently issued amending coverage or limits.

4. It is not the intent of these specifications to restrict unduly the selection of materials and equipment, but to provide a standard of product, workmanship and performance. Where a particular system, product or material is specified by name, it shall be considered as best suited because of its quality, appearance or function in the work. Other products considered equivalent to the specified items may be used, providing the Contractor obtains, in writing, the consent of Golden Corral to make such substitutions. If not approved, the Contractor shall furnish the product specified.

5. Change in Work – The Owner or Franchisee, without invalidating the contract, may order changes in the work within the general scope of the contract, consisting of additions, deletions or other revisions, with the contract sum and contract time being adjusted accordingly. The subsequent AIA Change Order Form will be submitted by the Contractor, with all appropriate substantiating documentation, so that the Contract Sum might be modified.

6. Contractor shall secure certification of inspections and occupancy from authorities having jurisdiction and deliver them to the Owner or Franchisee upon completion of the work. Contractor and subcontractors shall pay all required fees, obtain and pay for all permits required in connection with the execution of their work. Inspections and Tests required to establish compliance with the Contract Documents, for General Construction except as otherwise provided in the Contract Documents, will be made by the General Contractor.

7. A qualified/competent job superintendent must be on the job site at all times during the course of construction and completion of the punch list.

8. Project Meetings

   A. Pre–Construction Conference

      1) A meeting will be schedule within 5 days after Date of Notice to Contract. Representatives of the Owner or Franchisee and his consultants, all Prime Contractors, Major Sub–Contractors, representatives of Governmental or other regulatory agencies shall be in attendance. The Owner or Franchisee will be responsible for scheduling and conducting the Pre–Construction Conference and the distribution of the minutes to all attendees.

      2) Minimum agenda shall include:

         a. Distribute and discuss tentative construction schedule as prepared by the General Contractor.
         b. Critical work sequencing and relation and coordination of Prime Contractors.
         c. Designation of responsible personnel.
         d. Processing of field decisions and Change orders.
         e. Distribution of distribution of Contract Documents.
         f. Submittal of shop drawings, project data and samples.
         g. Procedures for maintaining Record Documents.
         h. Use of premises including office and storage areas. Owner's requirements.
         i. Major equipment deliveries and priorities.
         j. Safety and first–aid procedures.
         k. Security procedures.
         l. Housekeeping procedures.

   B. Progress Meetings

      1) The Owner or Franchisee shall establish the dates for the progress meetings. The General Contractor or his representative shall coordinate and distribute agenda at least five (5) calendar days prior and conduct regularly scheduled meetings at the site for the purpose of receiving reports from the various contractors on the progress of the work. The minutes of the meeting will be recorded by the General Contractor and distributed to all interested parties.

      2) It is required that each Prime Contractor be present for purposes of reporting his status in regards to the progress of the work and assist in proper coordination of the entire project.

      3) Agenda shall include:

         a. Review, minutes of previous meeting.
         b. Review work progress since last meeting.
         c. Note field observations, problems and decisions.
         d. Identify problems which impede planned progress.
         e. Review off–site fabrication problems.
         f. Develop corrective measures and procedures to regain planned schedule.
         g. Revise Construction Schedule as indicated.
         h. Plan progress during next work period.
         i. Coordinate projected progress with other prime contractors.
         j. Review submittal schedules, expedite as required to maintain schedule.
         k. Maintaining of quality of work standards.

9. Shop Drawings and Samples

   A. General

      1. All shop drawings and samples shall be submitted by each contractor to the Owner or Franchisee.

      2. Shop, erection, and setting drawings, certificates, catalog cuts, and schedules required for work of various trades, shall be checked before submission as hereinafter specified, by technically qualified employees of the Contractor for accuracy, completeness, and compliance with contractor documents. All submittals shall be stamped and signed by Contractor certifying to such check and must be accompanied by a transmittal signed by the Contractor. Submittals which do not bear the Contractor's stamp and signature will be returned without review.

      3. When requested by the Owner or Franchisee, the Contractor shall submit shop drawings, erection or setting drawings and schedule of various items of the work, whether or not such drawings or schedules are specifically mentioned in the technical sections of the specifications.

      4. Shop drawings and samples shall be dated and contain: Name of the project, description or names of equipment, materials and items, and complete identifications of locations at which materials or equipment are to be installed.

      5. No portion of the work shall commence nor materials ordered until the shop drawings and samples relative to this portion have been reviewed for compliance by the Owner or Franchisee. All portions of the work to be done in accordance with shop drawings and samples bearing the stamp of the Owner or Franchisee.

   B. Submittal

      1) All Shop drawings and Product Data shall be submitted in electronic (PDF) format, 1 file per submission. Files shall be titled per CSI format to match entry in Contractor's submittal log.
         C. Architect will return submittals electronically.
         D. Architect will return scanned copies of samples electronically.

      2) Each drawing shall have a clear space for stamps. When phrase "by others" appears on Shop Drawings, the contractor shall indicate on drawing who is to furnish material or operations so marked before submittal.

      3) For standard catalog cuts and illustrated items not requiring special shop drawings, submit four (4) copies for the Owner or Franchisee to review for compliance with contract documents.

   C. Schedules

      The Contractor shall submit a shop drawing submittal schedule to the Owner or Franchisee no later than the first Application for Payment submittal. The shop drawing schedule will be prepared in conjunction with the C.P.M. project schedule.

   D. Samples

      The Contractor shall be responsible for securing and submitting samples as specified and/or as required by the Owner or Franchisee for his selection and/or review of the products, finish, and colors. Samples shall carry the same identifying items as Shop Drawings.

   E. Shop Drawings

      1) Shop drawings and/or catalog cuts of all fabricated parts and items shall be submitted for review to the Owner or Franchisee. All such data shall be submitted through the contractor with such promptness as to cause no delay to any of the work.

      2) When catalog cuts are submitted, the specific items to be considered will be identified by the same nomenclature and/or item number used on the drawings or in the specifications. The same identifications shall be used on Shop Drawings.

      3) The Owner or Franchisee shall review such drawings, schedules and data only for conformance with the design intent of the project and compliance with the information given in the Contract Documents. The Contractor shall make any correction required by the Owner or Franchisee and if required shall resubmit the corrected documents for final review.

      4) The Owner or Franchisee will not undertake the determination of dimensions which by their nature, must be established from field measurements. The determination of such dimensions shall be a part of the contractor's check and coordination of shop drawings.

      5) The final review of shop drawings by the Owner or Franchisee shall not relive the contractor from the responsibility for conforming to the contractor documents unless there is an accompanying letter from him which explicitly states that a deviation is to be made and written approval is obtained for such deviation, nor shall final review of Shop Drawings relieve him of the responsibility for errors in or coordination of his work.

10. Schedule of values:

   A. General

      1) Submit to the Owner or Franchisee a "Schedule of Values at least ten (10 days prior to first Application for Payment.

      2) Upon request by Owner or Franchisee, support values given with data that will substantiate their correctness.

      3) Use Schedule of Values only as a basis for Contractor's Application for Payment.

   B. Form of Submittal

      1) Submit Schedule of Values on AIA G702 and G703.

      2) Use the Construction Specifications Institute (CSI).

   C. Preparing Schedule of Values

      1) Itemize separate line item cost for each of general cost items such as: Performance and Payment Bonds, Field Supervision and Layout, Temporary Facilities and Controls.

      2) Itemize separate line item cost for work required by each section of this specification.

      3) Round off figures to nearest dollar.

      4) Make sum of total costs of all items listed in schedule equal to total Contractor Sum.

      5) Itemize separate line item costs for labor and materials.

11. Payments and Completion

   A. The form of Application for Payment shall be AIA Document G702, May 1992 Edition, Application and Certificate for Payment, supported by AIA Document G703, Continuation Sheet. Until final payment, the Owner or Franchisee will pay 90 percent of the amount due each contractor on account of progress payments. 10 percent shall be held as retainage until the completion of the project to be billed within the final application for payment.

   B. Payment will be made for material stored off–site if the material is stored in a bonded warehouse and insured to 100 percent of it's value. Invoices shall be required and the Owner or Franchisee shall have access to the premises.

12. Project Closeout

   A. First Inspection

      1) Upon completion of project and prior to issuance of final payment certificates, a final inspection shall be scheduled. (first the General contractor and other prime contractors will perform on Inspection). This inspection shall be set by the General Contractor after conferring with other prime contractors as to the status of their position regarding such inspection. The General Contractor shall then call for a final inspection by the Owner or Franchisee.

      2) Each Prime Contractor shall be present at the final inspection as well as the Owner or Franchisee's representative, State Agencies, and such persons as may be designated by the Owner or Franchisee.

      3) Should defects or discrepancies be encountered, a listing of such items will be supplied to all parties.

   B. Record Drawings

      1) As work progresses, record on one set of drawings all changes from the installations originally indicated, especially locations of underground plumbing and electrical lines. Record final location of lines by distance from finished inside walls and floors.

      2) The Prime Contractors shall, upon completion of the work, furnish a marked set of the drawings showing the field changes affecting the various mechanical trades, such as plumbing, heating, ventilating, site utilities, electrical, as actually installed in the locations and deliver them to the Owner or Franchisee for approval and record.

      3) Drawings shall be of the same size and scale as the Contract Documents except that larger scale drawings may be required where clearances are close.

      4) Final payment will be contingent upon receipt of Record Drawings, and Project Maintenance Manuals which are acceptable to the Owner or Franchisee.

   C. Maintenance Manual

      1) Each Prime Contractor shall, prior to completion of contract, deliver to the Owner or Franchisee two (2) copies of a manual, assembled and bound.

      2) Each Prime Contractor shall for this manual, obtain from subcontractors, literature of manufacturers relating to equipment including motors, also furnish cuts, wiring diagrams, and related data including parts lists and numbers, instruction sheets and other information pertaining to same that will be useful to the Owner or Franchisee in overall operation and maintenance. Literature previously submitted with shop drawings which will be useful to the Owner or Franchisee shall also be included in this manual.

      3) Include in the manual, the name, address, and phone number of the nearest sales and service organization for each item. All such data shall be assembled in a reasonable order, bound in hardcover, three ring notebook, complete with a typed page of contents.

   D. Guarantee

      1) Neither the final certificate of payment nor any provision in the Contract Documents nor partial or entire occupancy of the premises by the Owner or Franchisee shall constitute an acceptance of work not done in accordance with the Contract Documents or relieve the Contractors of liability in respect to any express warranties or responsibility for faulty materials or workmanship.

      2) The Contractors shall remedy any defects in the work, and pay all expense for any damage to other work resulting therefrom, which shall appear within a period of one (1) year from the date of certificate of occupancy unless a longer period is specified elsewhere. The owner or Franchisee will give notice of observed defects with reasonable promptness. Where items of mechanical equipment carry a manufacturer's warranty of longer than one (1) year, the manufacturer's warranty shall be considered the period of guarantee.

      3) Each prime contractor shall be responsible for filing proper notice with the manufacturer of materials and equipment which carry a warranty, if such notice is required.

   E. Jobsite & material

      1) Jobsite shall be left broom clean with all construction debris disposed of per local ordinances. Glass shall be cleaned, equipment shall be clean and operational. All tile shall be cleaned. All doors, closers and lockset shall be operational to meet code.

13. Project Record Documents

   A. Maintenance of Documents

      1) Maintain at the job site, one copy of contract drawings, specifications, addenda, shop drawings, change orders, other modifications to contract, and field reports.

      2) Store record documents in field office apart from documents used for construction. Maintain in clean, dry legible condition.

      3) Do not use record documents for construction purposes.

   B. Monitoring Devices

      1) Provide multiple color pens for marking conforming to following code:

         a. Black for Architectural and Structural Work.
         b. Red for HVAC and Plumbing Work.
         c. Blue for Electrical Work.

   C. Recording

      1) Label each document "PROJECT RECORD" and keep record documents current.

      2) Do not permanently conceal any work until required information has been recorded.

      3) Contract Drawings: Legibly mark to record actual construction.

         a. Depths of various elements of foundation in relation to ground floor level.
         b. Horizontal and vertical location of underground utilities and appurtenances referenced to permanent surface improvements.
         c. Location of internal utilities and appurtenances concealed in construction referenced to visible and accessible features of structure.
         d. Field changes of dimensions and details.
         e. Changes made by Change Orders or Field Orders.
         f. Details not on original contract drawings.

      4) Specifications and Addenda: Legibly mark up each Section to record:

         a. Manufacturer, trade name, catalog number, and Supplier of each product and item of equipment actually installed.
         b. Changes made by Change Order or Field Order.
         c. Other matters not originally specified.

   D. Submittal

      1) At completion of project, deliver record documents to Owner or Franchisee.

      2) Accompany submittal with transmittal letter in duplicate containing:

         a. Date and project title and number.
         b. Contractor's name and address.
         c. Certification that each document as submitted is complete and accurate.
         d. Signature of Contractor, or his authorized representative.

14. Administration of Contract

    Time extensions will not be granted for rain, wind, snow, or other natural phenomena of NORMAL INTENSITY for the locality where work is performed. For purposes of determining extent of delay attributable to UNUSUAL WEATHER PHENOMENA, a determination shall be made by comparing the weather for the contract period involved with the average of the preceding five (5) year climate range during the same time interval based on the National Oceanic and Atmospheric Administration National Weather Service statistics for the locality where work is performed and on daily weather logs kept on the job site by the Contractor reflecting the effect of the weather on progress of the work. Any extension of the completion date must be formally submitted and approved as a change order and must follow the procedures set forth within.

DIVISION 1 – GENERAL REQUIREMENTS

1. Contractor is responsible for obtaining and paying for all permits & inspections required for certificate of occupancy.

2. All work shall conform to the requirements of federal, state, and local codes, laws, rules, & regulations of all legally constituted authorities having jurisdiction. in case of conflict between requirements, the most restrictive shall apply.

3. The contractor is responsible to provide temporary shoring and bracing for all structural elements as required until new structural members are permanently installed, whether indicated on the drawings or not. if the contractor is unsure whether or not to provide temporary shoring and bracing he shall ask the architect or structural engineer, in writing, prior to commencement of work.

4. Contractor shall field verify all existing conditions and critical dimensions prior to commencement of work, and shall notify owner & architect of any discrepancies prior to proceeding with work.

5. Contractor to verify fit & finish requirements for all project components, with owner, prior to ordering materials, and to report conflicting information to owner prior to proceeding with work.

6. Contractor shall dispose of all demolition & construction debris as required by federal, state, and local ordinances.

7. Contractor shall stencil/label on all rated walls in concealed areas the following: "fire and smoke barrier – protect all openings". Also indicate hourly rating on the wall at a location above the ceiling.

8. By the use of the drawings for construction of the project, the owner represents that he has reviewed and approved the drawings, and that the construction document phase of the project is complete.

9. Contractor shall coordinate his work with all other contractors furnishing the labor, materials, and all work, so that the work as a whole shall be executed and completed without conflict or delay.

10. Contractor shall coordinate the requirements of any and all drawings including architectural, mechanical, and electrical. Any conflicts shall be brought to the attention of the owner & architect prior to commencement of any work.

11. It shall be the responsibility of the contractor to acquaint himself with the dimensions of all equipment included in this project so that preparations can be made to provide entry into the facility with sufficient clearance, and to ensure that adequate floor space is available.

12. 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.

13. 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 changes.

14. 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.

15. 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 RFI (Request For Information). the architect shall then respond in writing to all appropriate parties.

16. Contractor shall provide adequate protection of work, materials, fixtures, etc. in leased space from loss, damage, fire, theft, etc.

17. Wherever the term "or equal" is used, it shall mean equal product as formally submitted and approved in writing by the owner or architect.

18. If the contractor proposes a material or equipment substitution he shall provide all appropriate documentation and information required for the architect to determine whether or not the substitution is equal to the specification.

19. Value Engineering or Substitution Requests: Submit one electronic or three paper copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section numbers and titles and Drawing numbers and titles. Documentation: Use CSI Form 13.1A if available. Provide a statement explaining why specified product or fabrication or installation cannot be provided, or why Contractor wants to provide a substitution.

20. Contractor shall provide and install all necessary inwall framing required to carry shelf, hanging, and valance loads, railings, etc.

21. Provide silicone sealant at all joints and interfaces of all countertops, equipment and walls.

22. Project shall be left cleaned and polished after completion of work.

23. The contractor shall verify locations of all food service equipment and coordinate location of floor sinks, floor drains, slopes/slab depressions and raised curbs, electrical and plumbing stub outs, and all other work under this scope of responsibility related to this equipment. Refer to owners food service equipment supplier for specific requirements & references.

24. Contractor is responsible for receiving, unloading, uncrating, installation and hook–up of all food service equipment and other owner furnished items indicated within the construction documents unless otherwise noted.

25. 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.

26. Minimum flame spread classification of interior finishes shall conform to the building code and local governing building codes/ordinances.

27. See sheet F1 for proposed locations of fire extinguishers. Portable fire extinguishers shall be installed in accordance with NFPA 10 however the contractor shall contact the local fire marshal, and provide and install fire extinguishers per the fire marshals direction, including: type, quantity, and locations. At a minimum, contractor shall provide fire extinguishers with a rating of 2A–10BC for every 3,000 s.f. of floor area per unit of "A" at a travel distance to extinguisher not exceed 75 feet for general areas and a type "K" 1.5 gal capacity portable extinguisher within 30 foot of all commercial cooking equipment.

28. For construction details not shown, use the manufacturer's standard details or approved shop drawings/data sheets in accordance with the project specifications.

29. 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.

SECTION 01010 – SUMMARY OF WORK

1. The work in the contract consists of the construction and completion of a restaurant building, clean and ready for operation including all its appurtenances, site work, landscaping and any of its site improvement required or necessary, shown on the drawings; all in accordance with these specifications and the accompanying drawings, excepting only those items specifically shown or noted on the drawings, within the specifications, or in the contract.

2. Work by others:

   A. Freestanding Sign: Responsibility for furnishing and erecting the freestanding sign (paid for by the Owner or Franchisee) will be with the sign company, as will the permits and engineering requirements relative to sign and footing. Sign company will be responsible for construction of footing and electrical connection of the sign on the property. Contractor to provide conduit and wiring to sign location.

   B. Illuminated Building Sings: Shall be supplied and installed by the sign company, paid for by the Owner or Franchisee. Final electrical connections by the sign company. Contractor to provide conduit and wiring to signs locations.

   C. Equipment: Refer to Equipment Drawings (Sheets F1–F2)

      1) All equipment noted as furnished by Furnishings and Equipment Contractor will be purchased, shipped,unloaded, assembled and set in place by that Contractor.

      2) All equipment noted as furnished by Furnishings and Equipment Contractor shall have all utility connections and final installation executed by the General Contractor unless otherwise noted.

      3) Receipt of Equipment – During the course of construction, various deliveries of equipment and miscellaneous items will be made to the job site by common carrier. If during the receipt of those items by the contractor's representative, any missing or damaged items are observed, the receiving person shall:

         a. Make a notation of the discrepancy on the delivery ticket.
         b. Call the delivery carrier and advise him of the problem.
         c. Contact the Owner or Franchisee.

      4) Walk–In Coolers/Freezers are to be furnished and installed by the Refrigeration Contractor. Said Contractor shall install all equipment related to coolers/freezers as designated on the drawings and make final electrical connections.

   D. Contact Owner regarding questions about installation of equipment. Various equipment by others will be installed, provided and/or furnished to complete the Project. It is the responsibility of the General Contractor to fully acquaint himself with the exact extent of all work and/or equipment which will be included within the completed Project.

   E. Interior Signage: Furnished and installed by the Furnishings and Equipment Contractor.

SECTION 01500 – TEMPORARY FACILITIES

1. Furnish all labor, materials, equipment and services necessary to erect and maintain temporary facilities and perform temporary work required in the performance of the Contract and as noted in this section.

2. Temporary Sanitary Facilities for the workmen shall be furnished, installed and maintained by the General Contractor. Permanent toilets installed on the Project shall not be used during construction of the project. Clean fresh, drinking water shall be furnished by the General Contractor. All such facilities and services shall be furnished in strict accordance with existing governing health regulations.

3. Temporary Heat shall be provided by the General Contractor, as required, during the period of the construction. All costs of heat shall be borne by the General Contractor until Owner or Franchisee receives beneficial occupancy of the building, then the Owner or Franchisee will share heat cost on a pro–rata basis for areas occupied until Final Acceptance.

4. Temporary Electrical Service and Lighting shall be provided and maintained by the General Contractor, as required. This includes any equipment or fixture installation during construction, by the Owner or Franchisee and his separate contractors necessary for substantial completion of the work. General Contractor shall pay cost of temporary electrical expense to the Owner or Franchisee.

5. A Telephone shall be provided by the General Contractor on the site for construction use.

6. Temporary Facilities shall be removed by the General Contractor upon completion of the Project, at no additional expense to the Owner or Franchisee.

7. The General Contractor shall provide a separate minimum 25' long enclosed and secured office/storage trailer to the job site for receipt and securing various drop–ship items.

8. Each Subcontractor, at all times, shall keep the premises free from accumulations of waste materials or rubbish caused by his operations and shall dispose of such waste material as per local and state ordinances. At the completion of the work he shall remove all his waste materials and rubbish from and about the job as well as his tools, construction equipment, machinery and service items provided.

9. No signs shall be erected on the job site unless approved by the Owner or Franchisee.

10. GC shall provide for construction debris a 40 yd. dumpster on site during equipment delivery and setup to include (2) dumps during the set–up process. G.C. shall only provide separate recycle, cardboard dumpster if required by local code or at owner's discretion.

DIVISION 2 – SITE WORK

SECTION 02070 – DEMOLITION

1. Demolish existing structures necessary for the completion of the work, except as noted to remain. Notify all utility companies and arrange for cut–off of all facilities and protect all remaining facilities. Remove all demolished material from site unless otherwise stated in the Contract and disposed of in accordance with local and state ordinances.

2. At paving/parking areas, existing structures shall be removed to 1'–6" below existing grade, or proposed grade, or a depth which will provide proper soil bearing. Existing structures shall be removed entirely including foundations when in conflict with new structure.

3. All existing underground utilities shown are approximate and are to be verified by each Subcontractor. Owner or Franchisee does not accept any responsibility for the accuracy of the location of existing utilities indicated on the Drawings. Verify location of existing utilities and exercise every precaution when working on or near these areas, to avoid damage to those existing facilities. Utility lines may be encountered in excavations that were not known (or shown to exist), so caution should be taken in all excavations. Active or inactive utilities encountered shall be handled in accordance with the requirements of the utility companies.

4. Toxic Materials: If the presence of any toxic (i.e. aspestos, PCB's) material is suspected or discovered, the General Contractor shall stop work immediately and notify Owner or Franchisee. Contractor shall not undertake analysis or removal of suspected materials.

SECTION 02100 – CLEARING AND GRUBBING

1. Remove all trash, rubbish, trees and stumps from the entire lot unless noted otherwise on site plan.

2. Remove the entire depth of topsoil from areas to be occupied by buildings, roads, parking areas and walks, and dispose of as per state and local ordinances, except that which is to be placed in landscaped areas.

3. Protect against damage any existing lawns, shrubs, trees, roads, walks and other work that is to remain in place.

SECTION 02200 – EARTHWORK

1. General Contractor shall establish two bench marks off site, prior to excavation. Elevation of bench marks shall be coordinated with bench marks established by licensed surveyor, and listed on site plan.

2. A soils report shall be prepared by an independent company, paid for by the Owner and provided to the General Contractor for reference only. Subsurface conditions and soil bearing capacity are not warranted by the Architect or the Owner or Franchisee.

3. All site preparation data found in the drawings and/or specifications is intended to be minimum acceptable site standards. The soils report is based upon the subsurface conditions at the actual building site. If the soils report lists an allowable load bearing capacity of the site soil that is less than the required capacity of paragraph 10, Owner or Franchisee shall be notified immediately if the soils report outlines a more rigorous method of subsurface preparation than is herein outlined, the requirements of the soils report shall govern. Verify frost protection requirements prior to excavation.

4. The general Contractor shall be responsible for notifying the Owner or Franchisee immediately of any special soil or water conditions that are present on a particular site. Do not proceed with further work until so authorized.

5. The General Contractor shall provide the Owner or Franchisee with soil tests by an independent laboratory, approved by the Owner or Franchisee, on all compacted fill as follows. One Standard Proctor on fill material six density tests on compact fill at locations directed by the Owner or Franchisee.

6. Excavate for building foundation, structures, and adjacent areas, to grades and levels as indicated on plans.

7. Include miscellaneous excavation as indicated on drawings or in specifications for footings, underground utilities, steps, ramps, retaining walls, light poles, post holes, dry wells, area drains, etc.

8. Materials to be excavated are assumed to be earth, or other materials that can be removed by power shovel or other normal excavating equipment, but not requiring the use of explosives or drills. If other is encountered within the limits of the excavation, notify the Owner or Franchisee immediately.

9. Maintain temporary barricades, fences and bridge ground excavated areas. Provide warning signs and/or lights as required by Code to protect public and workmen from injury during work carried out under this Contract.

10. Suitable bearing for foundations – All wall footings and column footings shall rest on soil having a minimum soil bearing capacity of 2500 lbs per square foot unless noted otherwise in the structural drawings or the soils report. Contractor shall provide a soils report prepared by a licensed professional engineer to the Owner or Franchisee prior to construction. Refer to soils report for specific recommendations. Provide compaction of existing subgrade soil and new fill in compliance with AASHTO T–99, Method D, also known as ASTM D698, Method D. Fill material shall be at optimum moisture content for compaction.

11. Cohesive Subgrade: 95% compaction
    Non–Cohesion Subgrades: 100% compaction

12. Compaction certificates are mandatory for parking lot, building slab, and foundations sub–grade.

13. If suitable bearing is not encountered at the dept indicated on drawings for foundations, the contractor shall immediately notify the Owner or Franchisee. Do not proceed further until instructions are given by authorized representative of the Owner or Franchisee.

14. Fill under paved areas and exterior slabs on grade shall be compacted to 95% standard proctor. Deposit fill material in horizontal layers not exceeding 8 inches in depth and compact each layer with a mechanical tamper.

15. Fill for unpaved areas shall be clean earth, free of all objectionable foreign objects.

16. Rough grade entire areas of property to reasonable true and even surfaces. Slope earth away from building walls to facilitate drainage. Paving and walks shall be graded to the underside of pavement, planting areas to 8 inches below finish grade and lawn areas to 4 inches below finish grade.

17. Finish Grade – Spread stockpiled and/or new topsoil evenly over lawn and planting areas, bring to finish grades, allowing for settlement.

LMHT Project No. 23104.00

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REGISTERED ARCHITECT

11/10/23

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BIG CHICKEN – CONVERSION

Location: 176 NW CENTURION CT.
LAKE CITY, FLORIDA 32055

Drawing: SPECIFICATIONS

BIG CHICKEN

Revisions

CONCEPT APPROVAL 10.06.2023	
1 TENANT CHANGE. 11.03.2023	

PROJECT DATE
11/10/2023

Drawn By
NRD

Checked By
GRL

Sheet No.
SP101

Drawing File: Z:\2023\23104–BIGCK Lake City FL – Conversion\CAD\SP101.dwg
Plotted By: chudson
Plotted Date: Nov 10, 2023 – 4:09pm

SECTION 02280 – TERMITE CONTROL

1. Comply with toxicant manufacturer's instructions and recommendations for application and safety, including preparation of substrate, in addition to the requirements of these Specifications.
2. Engage a professional pest control operator, bonded and licensed in accordance with regulations of governing authorities for application of soil treatment solution.
3. The soil treatment solution shall be an EPA approved, emulsible concentrate insecticide for dilution with water, specially formulated to prevent infestation by termites. Fuel oil is not permitted as a diluent.
4. Pest control operator shall Apply termiticide mixtures uniformly to all areas beneath concrete slabs-on-grade, including beneath walkways and entrance platforms and beneath sidewalks within 5 feet of buildings.
5. Contractor shall provide a written warranty for a period of five (5) years against infestations or reinfestations. Inspect the work at least once during the first year and annually for the remainder of the warranty at no additional cost to the Owner.

SECTION 02510 – ASPHALT PAVING

1. Asphalt paving data found in these specifications is intended to be minimum acceptable standards. If the soils report outlines a more rigorous method of subsurface preparation and paving than is herein outlined, the requirements of the soils report shall govern.
2. Materials
   - A. Base shall consist of 6 inches of water bonded lime stone, crushed rock or suitable local material.
   - B. 2 inches thick bituminous concrete hot plant mix asphalt shall be applied over base. Minimum temperature at time of placement shall be 225 degrees F.
   - B.1. Coarse aggregrate (retained on the No. 8 sieve): ASTM C–131 (latest edition) no more than 40% water.
   - B.2. Slag: Aire cooled, blast furnace slab, with compacted weight of not less than 70 pounds, ASTM C–29 (latest edition)
   - B.3. Fine Aggregate: ASTM D–424 (latest edition) with a plasticity index of not more than 6.
   - B.4. Filler: ASTM D–242 (latest edition).
   - B.5. Bituminous Material

Type and Grade	Specifications	Mixing Temp.
Asphalt Cement 85–100 pen	AASHTO M 20 or ASTM D–946 (latest edition)	275–325 Deg. F

   - C. Paint for pavement marking shall be white non–reflective paint conforming to the requirements of AASHTO M248. Paint shall be applied in accordance with the material manufacturer's recommendations. Width of lines shall be 4 inches unless otherwise indicated.
3. Subgrade shall be free of extraneous materials. Proof roll soil subgrade with heavy, pneumatic–tire equipment immediately prior to placing stone base. Any soft or unstable zones detected thereby should be undercut to firm soil and backfilled with engineered earth fill compacted as specified in Section 02200. The subgrade for all placements shall be uniformly stable before any stone base is installed. No base material shall be placed if the subgrade indicated pumping.
4. Surface preparation, spreading and laying, compacting and rolling operations shall conform with Asphalt Institute recommended specification.
5. Inspect area to be paved and insure that all subgrade conditions are sufficiently carried out to insure a good paving job. A finished surface shall not vary more than ¼" pitch in 10 feet when tested with a straight edge applied parallel with or at right angles, to centerline of asphalt surface. Humps or depressions which exceed specified tolerances or which retain water shall be immediately corrected by removing the defective work and replacing it with new material, at the contractor's expense.
6. Lot core samples may be taken at locations determined by the Owner's or Franchisee's representative to determine compliance with these specifications.

SECTION 02700 – SITE DRAINAGE

1. Storm Sewers: Where a storm water drainage system is required, the Contractor shall furnish all labor and materials necessary to complete the system as required by local code, and as shown on the drawings.
2. Surfaces Drainage: Contractor shall furnish surfaces to slopes indicated on the site plan to obtain positive drainage of the surface water.
3. Silt and Erosion: Contractor shall be responsible for preventing silt from the site being carried by surface run–off and deposited on adjacent properties and drainage courses. Settling ponds and/or hay bales arranged to filter out silt shall be constructed as required by local codes and authorities having jurisdiction. Barricades are to be constructed prior to any construction, maintained during construction, and not to be removed until after paving and landscaping are completed.

SECTION 02800 – SITE UTILITIES

1. Gas, water, sewer, telephone and electric service shall be connected to existing utilities by Contractors as required by utility companies.
2. See Section 16530 for Site Lighting.

DIVISION 3 – CONCRETE

SECTION 03300 – CAST–IN–PLACE CONCRETE

1. Items in this section apply to site related concrete work only. For structural concrete requirements refer to sheet S1 of the construction documents. All concrete work governed by this section shall conform to all requirements of American Concrete Institute ACI 301 and applicable sections of ASTM C–94 (latest edition) for Ready Mixed Concrete.
2. All concrete shall be transit mixed concrete, 3% to 5% air–entrained, and shall attain a minimum compressive strength of 3000 psi in twenty–eight (28) days.
3. Slump: Maximum allowable slump will be five (5) inches.
4. Concrete Materials
   - A. Portland Cement: Gray Portland Cement, ASTM C–150 (latest edition) Type 1. All concrete shall contain not less than five bags of cement per cubic yard.
   - B. Aggregates: ASTM C–33 (latest edition) Maximum size 3/4 inch.
   - C. Sand: Hard, durable, clean, sharp, natural sand free form clay, loam, dust or organic matter.
   - D. Water:. Clean, potable, free from oil, acids, alkali, organic matter and other deleterious substances.
   - E. Admixture: Air–entraining type to meet ASTM C–260 (latest edition).
5. Related Materials
   - A. Vapor Barrier: 6 mil polyethylene.
   - B. Grout under steel plates shall be "Embeco" non–shrink grout.
6. Reinforcing Materials shall be uncoated and free from excessive rust, mill scale, oil, grease, and other deleterious matter.
   - A. Reinforcing Steel: Shall be intermediate grade deformed bars per ASTM A615 (latest edition) Grade 60.
   - B. Steel Fabric Reinforcing: (For concrete slabs) shall conform to ASTM A185 (latest edition). See structural plans for type and placement.
   - C. Metal Accessories: In accordance with ACI 315 or as shown on drawings. All accessories shall have plastic coated legs.
7. Installation
   - A. Reinforcement shall be accurately positioned and secured, supported with concrete, metal chairs, spacers, or metal hangers. Reinforcing bars shall lap 40 bar diameters at splices.
   - B. Slabs: Compact and screed uniformly to grade. Push aggregate below surface with a screen tamper and screed. Follow screeding with a bull float. Wood float and steel trowel to a uniform finish free from trowel marks, pinholes, or blemishes. No interior floor slab shall receive a curing compound under any circumstances.

SECTION 03300 – CAST–IN–PLACE CONCRETE (continued)

   - C. Walks: Walks shall be 4 inches thick reinforced by 6x6/W1.4xW1.4 Welded Wire Fabric and shall be broom finished. Walks shall have sawed or tooled joints 5'–0" maximum with tooled radius edges. Install 3/8 inch expansion joints at intervals of not over 25'–0" and similar joints at walls, curbs, etc. Clean and seal joints with sealant.
   - D. Curbs: Install 3/8" expansion joints, with non–extruding type bituminous premolded filler strips filled with sealant. Joints to be at 20'–0" centers maximum.
8. Weather Requirements
   - A. Hot Weather Placing: Conform to ACI 305.
   - B. Cold Weather Placing: Conform to ACI 306.
9. Concrete Tests shall be authorized by the Owner or Franchisee on an as needed basis.

DIVISION 4 – MASONRY

SECTION 04200 – UNIT MASONRY

1. Furnish all masonry units in the sizes and shapes as shown on the drawings or as required to complete the work.
2. Concrete Masonry Units shall be lightweight, load bearing units conforming to ASTM C–90 (latest edition)
3. Mortar Materials
   - A. Mortar: Shall be masonry cement Type S.
   - B. Sand: Rescreened, clean, sharp, washed materials, free from deleterious substances, conforming with ASTM C–144.
   - C. Water: Clean, potable water, free of deleterious amounts of acid, alkalizes or organic materials.
   - D. Admixtures: The use of any admixtures or antifreezes to lower the freezing point of mortars is prohibited.
4. Proportions and use of Mortar: For all masonry, provide Type S mortar conforming to ASTM C–270, latest edition. Minimum compressive strength of mortar shall be 1800 pounds per square inch at 28 days.
5. Steel Reinforcing Bars: ASTM A615/A615M.
6. Masonry Joint Reinforcement: ASTM A951/A951M. Maximum spacing of cross wires in ladder–type and points of connection of cross wires of truss–type joint reinforcement shall be 16 in.
7. Vinyl masonry flashing shall be 20 mil, PVC sheet.
8. Weep holes shall be 24 inches on center and be full head height joint. Keep clear of all mortar.
9. Installation
   - A. Lay masonry in running bond, with full head and bed joints (see drawings for special coursing and details for work). Lay out so that not less than 1/3 of a unit is exposed at corners, offsets, bucks, and windows. All joints shall be of uniform width and thickness and shall be tooled with a concave jointer after moderate setting, where exposed to view.
10. Clean, all work thoroughly from the top downward using fiber brushes. Remove mortar stains with cleaning compound, rinsing thoroughly with water. All finished surfaces shall be left unmarred.

SECTION 04730 – MANUFACTURED STONE VENEER

1. The work required by this section consists of, but is not limited to the following:
   - A. Portland cement based manufactured thin veneer stone for exterior vertical surfaces.
2. Quality Assurance:
   - A. Manufacturer's Qualifications: Manufacturer regularly engaged, for preceding 10 years, in manufacture of manufactured thin veneer stone of similar type to that specified.
   - B. Factory Blending: For stone exhibiting color variations within the ranges selected under Submittal of samples, blend stone in the factory and package so stone taken from one package shows the same range of colors as those taken from other packages.
   - C. Delivery, Storage, and Handling: Deliver and store products in manufacturer's unopened packaging until ready for installation. Protect setting materials from freezing or overheating in accordance with manufacturer's instructions. Store stone and setting materials on pallets, under cover and in a dry location and protect from contamination, dampness, freezing or overheating.
3. Environmental Requirements: Do not install adhesives in an unventilated environment. Maintain ambient and substrate temperature of 40 degrees F for a minimum of 7 days after completion.
4. Products:

   Manufacturers: Manufactured stone veneer shall be as indicated on the Room Finish Schedule and Wall Elevations. Design and manufacturers are listed within the finish schedule of the construction documents and shall be a manufactured by Landmark Stone Products, P.O. Box 7276, Cynthiana, KY 41031; Telephone: (866) 273–5214; Email: info@Landmarkstone.com Request for substitutes shall not be considered.

   1. Pattern: Ledgestone "Buckingham".
      a. Height: 1–3/4 inch to 7–1/2 inches.
      b. Length: 5 inches to 22 inches.
      c. Nominal Thickness: 1 inch to 1–5/8 inches.
      d. Color: Tan and brown.
      e. Material: Portland cement.

   B. Stone Setting Materials: stone Setting Materials: Comply with the manufactures instructions as applicable to the installation methods referenced in this Section.

   1. Mortar:
      a. Portland Cement: ASTM C 150, Type I or masonry cement (Type N), ASTM C91.
      b. Lime: ASTM C 207.
      c. Sand: ASTM C 144, natural or manufactured.
      d. Color Pigments: ASTM C 979, mineral oxide.
      e. Water: Potable.
5. Surface Preparation: Prepare surfaces in accordance with manufacturer's instructions. Clean surfaces thoroughly before installation. Prepare surfaces using methods for achieving best results for substrate under project conditions.
6. Dry Stack Installation: Install thin veneer stone and mortar in accordance with manufacturer's instructions and ACI 530.1/ASCE 6/TMS 602. Maintain masonry courses to uniform dimensions. Form vertical and horizontal joints of uniform thickness.
   - A. Pattern Bond:
     1. Lay out work in advance and distribute color range of stone uniformly over total work area.
     2. Lay stone with face exposed.
     3. Take care to avoid a concentration of any 1 color to any 1 wall surface.
     4. Maintain squared and uniform profile.
     5. Do not use stacked vertical joints.
   - B. Placing and Bonding:
     1. Dampen substrate as required to reduce excessive suction.
     2. Use thin–set mortar in accordance with ANSI A118.4 for exterior dry stack installation.
     3. Apply mortar to thickness of 1/4 inch (6 mm) to back of stone.
     4. Press firmly to seat each stone as placed.
     5. Work from bottom up, laying corner pieces first.
     6. Remove excessive mortar as work progresses.
     7. Do not shift or tap veneer stone after mortar has achieved initial set. Where adjustment is required, remove mortar and replace.
     8. Isolate top of veneer stone from horizontal structural framing members and slabs or decks with compressible joint filler and sealant as specified in Section 07900 (07 90 00).
   - C. Joints:
     1. Lay stone with reasonably uniform joints, as stone allows.
     2. Remove excess mortar as stone is pressed into position.
     3. Use non–corrosive stone shims as required to maintain joint thickness.
7. Cleaning and Protection: Cleaning: Clean stone within time period recommended by manufacturer, using materials recommended by manufacturer.

SECTION 04850 – NATURAL STONE VENEER

1. The work required by this section consists of, but is not limited to the following:
   - A. Natural thin veneer stone for interior vertical surfaces.
2. Quality Assurance:
   - A. Manufacturer's Qualifications: Manufacturer regularly engaged, for preceding 10 years, in manufacture of natural thin veneer stone of similar type to that specified.
   - B. Factory Blending: For stone exhibiting color variations within the ranges selected under Submittal of samples, blend stone in the factory and package so stone taken from one package shows the same range of colors as those taken from other packages.
   - C. Delivery, Storage, and Handling: Deliver and store products in manufacturer's unopened packaging until ready for installation. Protect setting materials from freezing or overheating in accordance with manufacturer's instructions. Store stone and setting materials on pallets, under cover and in a dry location and protect from contamination, dampness, freezing or overheating.
3. Environmental Requirements: Do not install adhesives in an unventilated environment. Maintain ambient and substrate temperature of 40 degrees F for a minimum of 7 days after completion.
4. Products:
   - A. Manufactures: Natural stone veneer shall be as indicated on the Room Finish Schedule and Wall Elevations. Design and manufacturers are listed within the finish schedule of the construction documents and shall be a manufactured by Natural Stone Veneers International, Inc., PO Box 347, Fond du Lac, Wisconsin 54936. Toll Free (877) 923–2800. Phone (920) 923–2800. Fax (920) 923–3800. Website www.nsvi.com. E–mail info@nsvi.com. Request for substitutes shall not be considered.
     1. Pattern: "Virginia Ledgestone".
        a. Height: 1 inch to 2 inches (25 mm to 51 mm).
        b. Length: 4 inches to 14 inches (102 mm to 356 mm).
        c. Nominal Thickness: 3/4 inch to 1–1/2 inches (19 mm to 38 mm).
        d. Color: Silver and brown.
        e. Material: Quartzitic sandstone, rated as Type–III when test in accordance with ASTM C 616.
   - B. Stone Setting Materials: stone Setting Materials: Comply with the manufactures instructions as applicable to the installation methods referenced in this Section.
     1. Mortar:
        a. Cement: ASTM C 270.
        b. Lime: ASTM C 207.
        c. Sand: ASTM C 144, natural or manufactured.
        d. Color Pigments: ASTM C 979, mineral oxide.
        e. Water: Potable.
        f. Pre–Packaged Latex–Portland Cement Mortar: ANSI A118.4.
     2. Bonding Agent:
        a. Acrylic adhesive.
     3. Sealer:
        a. Water–based silane or siloxane masonry sealer, clear.
5. Surface Preparation: Prepare surfaces in accordance with manufacturer's instructions. Clean surfaces thoroughly before installation. Prepare surfaces using methods for achieving best results for substrate under project conditions.
6. Dry Stack Installation: Install thin veneer stone and mortar in accordance with manufacturer's instructions and ACI 530.1/ASCE 6/TMS 602. Maintain masonry courses to uniform dimensions. Form vertical and horizontal joints of uniform thickness.
   - A. Pattern Bond:
     1. Lay out work in advance and distribute color range of stone uniformly over total work area.
     2. Lay stone with face exposed.
     3. Take care to avoid a concentration of any 1 color to any 1 wall surface.
     4. Maintain squared and uniform profile.
     5. Do not use stacked vertical joints.
   - B. Placing and Bonding:
     1. Dampen substrate as required to reduce excessive suction.
     2. Use thin–set mortar in accordance with ANSI A118.4 for exterior dry stack installation.
     3. Apply mortar to thickness of 1/4 inch (6 mm) to back of stone.
     4. Press firmly to seat each stone as placed.
     5. Work from bottom up, laying corner pieces first.
     6. Remove excessive mortar as work progresses.
     7. Do not shift or tap veneer stone after mortar has achieved initial set. Where adjustment is required, remove mortar and replace.
     8. Isolate top of veneer stone from horizontal structural framing members and slabs or decks with compressible joint filler and sealant as specified in Section 07900 (07 90 00).
   - C. Joints:
     1. Lay stone with reasonably uniform joints, as stone allows.
     2. Remove excess mortar as stone is pressed into position.
     3. Use non–corrosive stone shims as required to maintain joint thickness.
7. Cleaning and Protection: Cleaning: Clean stone within time period recommended by manufacturer, using materials recommended by manufacturer.

DIVISION 5 – METALS

SECTION 05400 – COLD FORMED METAL FRAMING

1. This work includes load and non–load bearing formed steel stud exterior wall and interior wall framing.
2. References: Refer to the latest editions for each of the following references:
   - A. ASTM A780 – Standard Practice for Repair of Damaged and Uncoated Areas of Hot–Dip Galvanized Coatings.
   - B. ASTM A924 – Standard Specification for General Requirements for Steel Sheet, Metallic–Coated by the Hot–Dip Process
   - C. ASTM A1003 – Standard Specification for Steel Sheet, Carbon, Metallic– and Nonmetalic–Coated Cold–Formed Framing Members.
   - D. ASTM B633 – Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel.
   - E. ASTM C955 – Standard Specification for Load–Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases
   - F. ASTM C1002 – Standard Specification for Steel Self–Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs
   - G. ASTM C1007 – Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Accessories
   - H. ASTM C1513 – Standard Specification for Steel Tapping Screws for Cold–Formed Steel Framing Connections
   - I. AISC – Manual of Steel Construction, Load Resistance Factor Design
   - J. AISI S100 – North American Specification for the Design of Cold–Formed Steel Structural Members
   - K. Galvanizing Repair Paint: SSPC–Paint 20
3. System Description
   - A. Size components to withstand design loads as shown on the drawings. Stud sizes, gauges, and spacing shown are the minimum standards.
   - B. Provide non–load bearing steel stud partitions with deflections conforming to L/360 at 5 psf typical for gypsum board walls.
   - C. Design a wall system to provide for movement of components without bind, failure of joint seals, undue stress on fasteners, or other detrimental effects when subject to seasonal or cyclic day/night temperature ranges.
   - D. Design system to accommodate construction tolerances, deflection of building structural members, and clearances of intended openings.
4. Quality Assurance
   - A. Manufacturer: Company specializing in structural framing components with five (5) years minimum experience.
   - B. Calculate structural properties of framing members in accordance with AWCI requirements.
   - C. Design structural elements under direct supervision of Professional Engineer experienced in design of structural building framing members, registered in the state where the project is located.

SECTION 05400 – COLD FORMED METAL FRAMING (continued)

5. Products:
   - A. ASTM A780 – Standard Practice for Repair of Damaged and Uncoated Areas of Hot–Dip Galvanized Coatings.
   - B. ASTM A924 – Standard Specification for General Requirements for Steel Sheet, Metallic–Coated by the Hot–Dip Process
   - C. Steel Sheet: ASTM A 1003/A 1003M, Metallic coated, of grade and coating weight as follows:
     1. Grade: ST33H (ST230H)
     2. Grade: ST50H (ST340H)
     3. Coating: G90 (Z275) or equivalent
   - D. Steel Sheet for Vertical Deflection, Drift Clips: ASTM A 1003/A1003 M, structural steel, zinc coated, of grade and coating as follows:
     1. Grade: 50 (340), Class 1 or 2, As required by structural performance.
     2. Coating: G60 (Z180).
   - E. Load bearing metal framing:
     1. Steel Studs: Manufacturer's standard C–shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:
        A. Minimum Base–Metal Thickness: 16 Gauge – 0.0538 inch.
        B. Flange Width: 1–5/8 inches (41 mm).
        C. Web Depth: 6 inches (152.4 mm).
        D. Section Properties: Refer to Drawings.
     2. Steel Track: Manufacturer's standard U–shaped steel track, of web depths indicated, unpunched, with straight flanges, and as follows:
        A. Minimum Base–Metal Thickness: 18 Gauge – 0.0428 inch (1.09 mm).
        B. Flange Width: 1–1/4 inches (32 mm), unless noted otherwise
        C. Web Depth: 6 inches (152.4 mm), Track web size to match stud web size.
   - F. Non bearing metal framing:
     1. Steel Studs: Manufacturer's standard C–shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:
        A. Minimum Base–Metal Thickness: 20 Gauge – 0.0312 inch (0.79 mm),
        B. Flange Width: 1–1/4 inches (32 mm),
        C. Web Depth: 3 5/8 inches (92 mm), 4 inches (102 mm).
        D. Section Properties: Refer to Drawings.
     2. Steel Track: Manufacturer's standard U–shaped steel track, of web depths indicated, unpunched, with unstiffened flanges, and as follows:
        A. Minimum Base–Metal Thickness: 20 Gauge – 0.0312 inch (0.79 mm),
        B. Flange Width: 1–1/4 inches (32 mm),
        C. 3 5/8 inches (92 mm), 4 inches (102 mm), Track web size to match stud web size.
   - G. Vertical Deflection Clips:

     G.1. Manufacturer's standard clips, capable of accommodating upward and downward vertical displacement of primary structure through positive mechanical attachment to stud web.
   - H. Accessories:

     H.1. Fabricate steel–framing accessories from steel sheet, ASTM A 1003/A 1003M, Structural Grade, Type H or Type L, metallic coated, of same grade and coating weight used for framing members.
   - I. Fasteners:

     D.1. Steel Shapes and Clips: ASTM A 36/A 36M, zinc coated by hot–dip process according to ASTM A 123/A 123M.
     D.2. Anchor Bolts: ASTM F 1554, Grade [36] [55], threaded carbon–steel bolts and carbon–steel nuts; and flat, hardened–steel washers; zinc coated by hot–dip process according to ASTM A 153/A 153M, Class C or mechanically deposition according to ASTM B 695, Class 50.
     D.3. Expansion Anchors: Fabricated from corrosion–resistant materials, with capability to sustain, without failure, a load equal to 5 times design load, as determined by testing per ASTM E 488 conducted by a qualified independent testing agency.
     D.4. Power–Actuated Anchors: Fastener system of type suitable for application indicated, fabricated from corrosion–resistant materials, with capability to sustain, without failure, a load equal to 10 times design load, as determined by testing per ASTM E 1190 conducted by a qualified independent testing agency.
     D.5. Mechanical Fasteners: ASTM C 1513, corrosion–resistant–coated, self–drilling, self–tapping steel drill screws.
     1.A. Head Type: Low–profile head beneath sheathing, manufacturer's standard elsewhere.
     D.6. F. Welding Electrodes: Comply with AWS standards.
   - J. Inspection
     - A. Verify that substrate surfaces are ready to receive work.
     - B. Beginning of installation means acceptance of substrate.
   - K. Erection of Studding.
     - A. Install components in accordance with manufacturer's instructions
     - B. Align floor and ceiling tracks; locate to wall layout. Secure in place with fasteners or welding at maximum 24 inches or maximum spacing as shown on drawings.
     - C. Place studs at maximum spacing as shown on drawings; not more than 2 inches from abutting walls and at each side of openings. Connect studs to tracks using fastener method.
     - D. Erect load bearing studs one piece full length. Splicing of studs is not permitted. Brace and reinforce to develop full strength to meet design requirements.
     - F. Tracks shall be securely anchored to the supporting structure as shown on the drawings.
     - G. Complete uniform and level bearing support shall be provided for the bottom track.
     - H. At track butt joints, abutting pieces of track shall be securely anchored to a common structural element, or they shall be butt welded or spliced together.
     - I. Studs shall be plumbed, aligned, and securely attached to the flanges or webs of both upper and lower tracts.
     - J. Framed wall openings shall include headers and supporting studs as shown on the drawings.
     - K. Jack studs shall be installed below window sills, below window and door heads, at free standing stair rails, and elsewhere to furnish support, and shall be securely attached to supporting members.
     - L. Temporary bracing shall be provided until erection is complete.
     - M. Wall stud bridging shall be installed in a manner to provide resistance to both minor axis bending and rotation. Bridging rows shall be equally spaced not to exceed 4'–0" on center.
     - N. Provide stud walls at locations indicated on drawings as "shear walls" for frame stability and lateral load resistance. Such stud walls shall be braced as indicated on plans and specifications. Additional studs shall be positioned to resist the vertical components as indicated on drawings.

SECTION 05400 – COLD FORMED METAL FRAMING (continued)

   - O. Refer to drawings for locations of partitions extending to ceiling only, and partitions extending through ceiling or to structure above.
   - P. Coordinate placement of insulation in multiple stud spaces made inaccessible after erection.
   - Q. Attach cross studs to studs for attachment of fixtures anchored to walls.
   - R. Install framing between studs for attachment of mechanical and electrical items, and to prevent stud rotation.
   - S. Touch up field welds and damaged galvanized surfaces with primer.
   - S. Provide blocking in walls as required for attachment of wall hung items such as shelving, grab bars, ect.

SECTION 05500 – METAL FABRICATIONS

1. For fabrication of miscellaneous metal work which will be exposed to view, use only materials which are smooth and free of surface blemishes including pitting, seam marks, roller marks, rolled trade names and roughness.
2. Rolled steel shapes, plates and bars shall conform to ASTM Designation A36 (latest edition) (36,000 psi).
3. Standard bolts and nuts (for wood to steel connections) shall conform to ASTM A307, (latest ed). Grade A hexagonal head.
4. High strength bolted connections shall conform to ASTM A–325.
5. Welding shall be performed with E70XX electrodes by a certified welder. All welding shall conform to AWS D1, 1–90.
6. Galvanize ferrous metal exposed to exterior, or concrete (other than reinforcing steel) as noted on the drawings. All units galvanized shall be fabricated into the largest practicable section before galvanizing.
7. Steel shapes, plates, bars, and other assemblies shall be hot dip galvanized in accordance with ASTM A123, (latest edition); small steel shapes sheet articles and rough hardware such as bolts, nuts, and washers shall be hot dip galvanized in accordance with ASTM A386 (latest edition).
8. Shop coat ferrous metal with fabricator's standard lead–free "universal" primer; apply on field coat of primer on all abraded parts of built–in ferrous metals after installation.
9. Corner guards shall be 1 1/2 inches x 1 1/2 inches x 18 gauge stainless steel, satin finish, in various lengths, as manufactured by "Fab–X Metal, Inc". See Corporate Vendor List, sheet SP7 for contact & address.

DIVISION 6 – WOOD AND PLASTICS

SECTION 06100 – ROUGH CARPENTRY

1. Lumber shall be identified by the grade make of an agency certified by the Board of Review of the American Lumber Standards Committee,, and manufactured in accordance with Product Standard PS20–15, published by the United States Department of Commerce.
2. Dimension Lumber: Lumber of 2 inches nominal or greater but less than 5 inches nominal in least dimension.
3. Provide lumber of the following product classifications in grade and species indicated.
   - A. Studs, plates, interior wall partitions, shear walls, blocking:
     1) No. 2 Southern Pine
     2) No. 2 Douglas Fir South
     3) No. 2 Western Hemlock
     4) No. 2 Spruce
     5) SPF No. 2 and Better
   - B. Headers
     1) No. 2 Southern Pine
     2) No. 2 Douglas Fir South
     3) No. 2 Western Hemlock
4. Lumber: Department of Commerce (DOC) PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules–writing agency certified by the ALSC Board of Review. Provide lumber graded by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.
   1. Factory mark each piece of lumber with grade stamp of grading agency.
   2. Where nominal sizes are indicated, provide actual sizes required by DOC PS 20 for moisture content specified. Where actual sizes are indicated, they are minimum dressed sizes for dry lumber.
   3. Provide dressed lumber, S4S, unless otherwise indicated.
5. Wood–preservative–treated lumber: Preservative Treatment by Pressure Process: AWPA C2, except that lumber that is not in contact with the ground and is continuously protected from liquid water may be treated according to AWPA C31 with inorganic boron (SBX).
   1. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.
   2. Kiln–dry lumber after treatment to a maximum moisture content of 19 percent. Do not use material that is warped or does not comply with requirements for untreated material.
   3. Mark lumber with treatment quality mark of an inspection agency approved by the ALSC Board of Review.
6. Miscellaneous lumber: Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:
   1. Blocking.
   2. Nailers.
   3. Rooftop equipment bases and support curbs.
   4. Cants.
   5. Furring.
   6. Grounds.
   - A. For items of dimension lumber size, provide Construction or No. 2 grade lumber with 15 percent maximum moisture content of any species.
   - B. For blocking not used for attachment of other construction, Utility, Stud, or No. 3 grade lumber of any species may be used provided that it is cut and selected to eliminate defects that will interfere with its attachment and purpose.
   - C. For blocking and nailers used for attachment of other construction, select and cut lumber to eliminate knots and other defects that will interfere with attachment of other work.
   - D. For furring strips for installing plywood or hardboard paneling, select boards with no knots capable of producing bent–over nails and damage to paneling.
7. Fasteners: General: Provide fasteners of size and type indicated that comply with requirements specified in this Article for material and manufacture.
   1. Where rough carpentry is exposed to weather, in ground contact, pressure–preservative treated, or in area of high relative humidity, provide fasteners with hot–dip zinc coating complying with ASTM A 153/A 153M.
   2. Nails, Brads, and Staples: ASTM F 1667.
   3. Power–Driven Fasteners: NES NER–272.
   4. Wood Screws: ASME B18.6.1.
   5. Lag Bolts: ASME B18.2.1.
8. Plywood and OSB: Panalized lumber shall bear the grade, trademark and panel identification system of the American Plywood Association, and shall conform to the requirements of PSI US Product Standard for Construction and Industrial Plywood. Plywood which has edge or surface permanently exposed to the weather shall be exterior grade, regardless of appearance grade specified.
9. Install plywood roof deck with face grain across supports, using panels continuous over two or more spans. Stagger layout minimum of 24 inches with adjacent panels. Allow 1/16 inch space at panel ends and 1/8 inch space at panel edges.
10. Plywood for Flitch materials shall be 1/2 inch, 22/32 inch or 3/4 inch thick CDX plywood. Plywood for fire rated assemblies must comply with U.L. assembly requirements, minimum grade to be "C–D" plywood.
11. Plywood for shear walls shall be as indicated on the Structural drawings.
12. Provide blocking or furring for anchoring light fixtures, outlets, equipment supports, mechanical openings, etc., and at all panel joints. See plans for locations of special blocking.

THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PREPARED BY LMHT ASSOCIATES ARE INSTRUMENTS OF SERVICE WITH RESPECT TO THIS PROJECT, AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT. THEY ARE NOT TO BE LOANED, COPIED OR REPRODUCED EXCEPT FOR THE PURPOSES AS AGREED IN WRITING BY LMHT ASSOCIATES. ALL COMMON LAW STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT, ARE RETAINED BY LMHT ASSOCIATES. ALL DRAWINGS, SPECIFICATIONS AND COPIES, INCLUDING REPRODUCIBLE COPIES FURNISHED TO OWNER OR OWNER'S AGENTS MUST BE RETURNED OR ACCOUNTED FOR BY OWNER OR OWNER'S AGENTS ON REQUEST BY LMHT ASSOCIATES UPON COMPLETION OF THE WORK. ANY REUSE, DISCLOSURE, ALTERATION OR DISTRIBUTION OF THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS WITHOUT THE WRITTEN PERMISSION OF LMHT ASSOCIATES FOR SUCH REUSE, DISCLOSURE, ALTERATION OR DISTRIBUTION, OR FOR ANY REUSE, DISCLOSURE, ALTERATION OR DISTRIBUTION BY OWNER OR OTHERS WHEN USED BY THE OWNER OR OTHERS ON OTHER PROJECTS.

LMHT Project No. 23104.00

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STATE OF FLORIDA
GLEN LEHMAN
AR97728
REGISTERED ARCHITECT
11/10/23

BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: SPECIFICATIONS

Revisions

CONCEPT APPROVAL 10.06.2023
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PROJECT DATE 11/10/2023
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Checked By GRL
Sheet No. SP102

Drawing File: Z:\2023\23104–BIGCK Lake City FL – Conversion\CAD\SP102-5.dwg
Plotted By: chudson
Plotted Date: Nov 10, 2023 – 4:09pm

SECTION 06160 – SHEATHING

1. Coordination note: Provide plywood shear walls as indicated wiothin the structural documents. Coordinate with associated related adjacent materials.

2. This Section includes the following:
   1. Wall sheathing.
   2. Roof sheathing.
   3. Weather Barriers.

3. Submittals: Product Data, For each type of process and factory-fabricated product. Indicate component materials and dimensions and include construction and application details.
   1. Include data for wood-preservative treatment from chemical treatment manufacturer and certification by treating plant that treated plywood complies with requirements. Indicate type of preservative used and net amount of preservative retained.
   2. Include data for fire-retardant treatment from chemical treatment manufacturer and certification by treating plant that treated plywood complies with requirements. Include physical properties of treated materials.
   3. For weather barriers, include data on air-/moisture-infiltration protection based on testing according to referenced standards.

4. Quality Assurance: For assemblies with fire-resistance ratings, provide materials and construction identical to those of assemblies tested for fire resistance per ASTM E 119 by a testing and inspecting agency acceptable to authorities having jurisdiction.

5. Delivery Storage and Handling: Stack plywood and other panels flat with spacers between each bundle to provide air circulation. Provide for air circulation around stacks and under coverings.

6. General Requirements:
   1. Plywood shall be either PS1 or PS2.
   2. Oriented Strand Board (OSB) shall be PS2.

7. Preservative Treated Panels: Preservative treatment by pressure process AWPA C9, containing no arsenic or chromium. Mark plywood with appropriate classification marking of an inspection agency acceptable to authorities having jurisdiction.

8. Fire Retardant Treated Panels: Comply with performance requirements in AWPA C27. Use a treatment that does not promote the corrosion of metal fasteners. Identify fire-retardant-treated plywood with appropriate classification marking of UL, U.S. Testing, Timber Products Inspection, or another testing and inspecting agency acceptable to authorities having jurisdiction.

9. Roof Sheathing: Oriented Strand Board shall be Exposure 1, Structurally I, span rated and in thickness as indicated on the structural documents.

10. Wall Sheathing:
    1. Oriented Strand Board: Exposure 1 Structurally I, span rated and in thickness as indicated on the architectural and structural documents.
    2. Glass Mat Wall Sheathing: Complying with ASTM C 1177/1177M, Regular 1/2" thick, in largest size applicable for vertical installation.
       A. Sheathing Tape for Glass-Mat Gypsum Sheathing Board: Self-adhering glass-fiber tape, minimum 2 inches (50 mm) wide, 10 by 10 or 10 by 20 threads/inch (390 by 390 or 390 by 780 threads/m), of type recommended by sheathing and tape manufacturers for use with silicone emulsion sealant in sealing joints in glass-mat gypsum sheathing board and with a history of successful in-service use.
    3. Weather Barrier Oriented Strand Board Sheathing: Basis of design is Huber Engineered Woods LLC; ZIP System Wall Sheathing. 1/2" thickness, performance category 32/16 Structural 1. Square edge profile. Weather Barrier Facer shall be a Medium-density, phenolic-impregnated sheet material qualifying as a Grade D weather-resistive barrier in accordance with ICC-ES AC38.
       A. Self-Adhering Seam and Flashing Tape: Pressure-sensitive, self-adhering, cold-applied, seam tape consisting of polyolefin film with acrylic adhesive, meeting ICC-ES AC148, and tested as part of an assembly meeting performance requirements. Basis-of-Design Product: Provide Huber Engineered Woods; ZIP System Tape.

11. Fasteners: Provide fasteners of size and type indicated that comply with requirements specified in this Article for material and manufacture.
    1. For roof and wall sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M.
    2. Nails, Brads, and Staples: ASTM F 1667.
    3. Power-Driven Fasteners: NES NER-272.
    4. Wood Screws: ASME B18.6.1.

12. Installation: Do not use materials with defects that impair quality of sheathing or pieces that are too small to use with minimum number of joints or optimum joint arrangement. Cut panels at penetrations, edges, and other obstructions of work; fit tightly against abutting construction, unless otherwise indicated. Use common wire nails, unless otherwise indicated. Select fasteners of size that will not fully penetrate members where opposite side will be exposed to view or will receive finish materials. Make tight connections. Install fasteners without splitting wood. Coordinate sheathing installation with flashing and joint-sealant installation so these materials are installed in sequence and manner that prevent exterior moisture from passing through completed assembly. Do not bridge building expansion joints; cut and space edges of panels to match spacing of structural support elements. Coordinate sheathing installation with installation of materials installed over sheathing so sheathing is not exposed to precipitation or left exposed at end of the workday when rain is forecast.

SECTION 06195 – PREFABRICATED WOOD TRUSSES & ENGINEERED LUMBER

1. Coordination note: Coordinate product information and structural requirements with the structural documents.

2. This section includes the following:
   A. Prefabricated wood I-joist.
   B. Prefabricated wood truss.
   C. Laminated strand lumber (LSL).
   D. Laminated veneer lumber (LVL).
   E. Glue-Laminated construction framing.
   F. Rim Boards.
   G. Accessories including, but not limited to, metal connector plates, structural connectors, fasteners, blocking, curbing, miscellaneous framing and bracing.

3. Work includes the complete furnishing and installation of all pre-fabricated components as shown on the drawings, herein specified and necessary to complete the work.
   A. All Products shall be custom designed to fit the dimensions and loads indicated on the plans and by local codes & loading regulations with all equipment loads.
   B. All trusses shall be designed by the manufacturer and a copy of calculations sealed by a licensed structural engineer given to the Owner & Architect.
   C. Shop drawings showing layout bridging and bracing layout and detail necessary for determining fit, placement and attachment in the building will be provided by the manufacturer.
   D. Production: Do not proceed with fabrication and/or cutting until shop drawings and design calculations have been reviewed and approved by the Structural Engineer and/or Architect.

4. Shop drawings: Submit fabrication and assembly drawings showing structural members and indicating materials, member sizes, design values, materials and dimensional relationship of components, assembly configuration, erection sequence, piece numbering, metal plate connectors, extent of fire retardant or preservative treatment, bearing and anchorage details and requirements.
   A. Drawings for installed products indicated to comply with design loads shall include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
   B. Provide truss fabricator's design and engineering data for the required trusses including stress diagrams under the signature, seal and registration number of a qualified structural engineer.
   C. Field Measurements: Indicate verified field measurements on the Shop Drawings.
   D. Shop Drawings shall not be copies or modified copies of the Contract Drawings.

5. Delivery, storage, and handling.: Arrange delivery of engineered lumber and trusses in accordance with construction schedule to avoid double handling. Keep materials dry during delivery, storage, handling, and erection, by maintaining factory-applied protective covering in weather-tight and light-proof condition. Maintain protective covering until building enclosure is completed to extent necessary for protection of timber work. If trusses are to be stored before erection, place individual units or bundle wrapped units on blocks well off ground with individual members separated for air circulation. Do not store trusses in areas of either excessively high or excessively low relative humidity. Leave wrappings intact, but slit or puncture lower side to permit drainage of water which may accumulate inside wrapping.

6. Products:
   A. TJI members basis of design as manufactured by "Red Built" or equal- size per drawings
      A.1. Flange members, web members and adhesives shall conform to the provisions of NER Report No. 200.
      A.2. TJI Joists shall be manufactured in a plant approved for the fabrication by the building code and under supervision of an approved third party inspection agency.
      A.3. Each hoist shall be identified by a stamp indicating the joist type, NER report number, manufacturers name, plant number and independent inspection agency logo.
   B. Open web truss members basis of design as manufactured by "Red Built" or equal Red-L and Red-S – size per drawings
      B.1. Chord members, web members, connecting pins and bearing hardware/attachments shall conform to the provision of NER report No.148
      B.2. All trusses shall be manufactured in a plant approved for fabrication by the building code and under supervision of an approved third party inspection agency.
      B.3. Each truss shall be identified by a stamp indicating the truss series, NER report number, manufacturer name, plant number, and independent inspection agency logo.
   C. Laminated Veneer Lumber (LVL) members basis of design as manufactured by "Red Built" – size per drawings
      C.1. All Laminated Veneer Lumber shall be designed and manufactured to the standards set forth in the NER-126 Report.
      C.2. Allowable unit stresses required for dry conditions of use for veneer laminated lumber shall be as follows:
         a. Bending 2900 PSI
         b. Compression parallel to grain 2635 PSI
         c. Horizontal shear 285 PSI
         d. Compression perpendicular to grain 750 PSI
      C.3. Laminated veneer lumber member sizes shown are net, other member sizes are nominal.

5. Erection and Installation
   A. All trusses, if stored prior to erection shall be stored in a vertical position and protected from the weather. They shall be handled with care so they are not damaged. The Joists are to be erected and installed in accordance with the plans, specifications, and the installation instructions from the manufacturer. Temporary construction loads which cause stresses beyond design limits are not permitted. Erection bracing, in addition to that specified, is to be provided to keep trusses straight and plumb as required and to assure adequate lateral support for the individual trusses and the entire system, until the sheathing material has been applied.
   B. The Contractor shall give notification prior to enclosing the trusses to provide opportunity for inspection of the installation.
   C. Products delivered shall be free from manufacturing errors or defects in workmanship and material. The products shall perform to specifications for the normal and expected life of the building.

SECTION 06200 – FINISH CARPENTRY

1. The work required by this section consists of, but is not limited to the following:
   A. Interior and exterior standing and running trim.
   B. Window sills, head, and jambs.
   C. Office and closet shelving and rods.
   D. Interior plastic laminate cabinets and countertops.
   E. Glue-Laminated construction framing.
   F. Wood wall paneling.

2. Cabinetry and countertop work shall conform to the Custom Grade Standards of the American Woodworking Institute. Cabinetry and countertops shall be supplied and installed by the furnishings and Equipment Contractor.

3. Submittals: Provide product data for each type of factory-fabricated product and process specified, including details of construction relative to materials, dimensions of individual components, profiles, textures, and colors.

4. Quality Assurance: Engage an experienced Installer who has completed finish carpentry similar in material, design, and extent to that indicated for this project and with a record of successful in-service performance.

5. Delivery and Storage: Keep materials under cover and dry. Protect against exposure to weather and contact with damp or wet surfaces. Stack lumber, plywood, and other Provide for air circulation within and around stacks and under temporary coverings.Do not deliver interior finish carpentry until environmental conditions meet requirements specified for installation areas. If finish carpentry must be stored in other than installation areas, store only where environmental conditions meet requirements specified for installation areas.

6. Environmental Limitations: Do not deliver or install interior finish carpentry until building is enclosed and weatherproof, wet-work in space is completed and nominally dry, and HVAC system is operating and will maintain temperature and relative humidity at occupancy levels through the remainder of construction period.

7. Lumber Standards: Comply with DOC PS 20, "American Softwood Lumber Standard," for lumber and with applicable grading rules of inspection agencies certified by American Lumber Standards Committee Board of Review.

8. Grade Stamps: Provide lumber with each piece factory marked with grade stamp of inspection agency evidencing compliance with grading rule requirements and identifying grading agency, grade, species, moisture content at time of surfacing, and mill. For exposed lumber, furnish pieces with grade stamps applied to ends or back of each piece, or omit grade stamps entirely and provide certificates of grade compliance issued by inspection agency.

9. Exterior Standing and Running Trim:
   A. Softwood Trim: Provide finished lumber and moldings complying with the following requirements including those of the grading agency listed with species:
      1. Species; White Pine; NLGA, WCLIB, or WWPA, finished lumber (S4S), 10"-0" or longer in length.
      2. Grade: B & Btr. Select or Supreme.
      3. Texture: Surfaced (smooth).
      4. Lumber for Painted Finish: Glued-up lumber or solid lumber stock.

10. Interior Standing and Running Trim:
    A. Softwood Trim: Provide finished lumber and moldings complying with the following requirements including those of the grading agency listed with species:
       1. Species; White Pine; NLGA, WCLIB, or WWPA, finished lumber (S4S), 10"-0" or longer in length.
       2. Grade: B & Btr. Select or Supreme.
       3. Texture: Surfaced (smooth).
       4. Lumber for Transparent Finish (Stained or Clear): Solid lumber stock.
       5. Lumber for Painted Finish: Glued-up lumber or solid lumber stock.
    B. Hardwood Trim: Provide finished hardwood lumber and moldings complying with the following requirements:
       1. Species: Clear, kiln-dried white hardwoods.
       2. Texture: Surfaced (smooth).
       3. Lumber for Transparent Finish (Stained or Clear): Solid lumber stock.
       4. Lumber for Painted Finish: Glued-up lumber or solid lumber stock.

11. Interior Wood Window Sills:
    A. Softwood Trim: Provide finished lumber complying with the following requirements including those of the grading agency listed with species:
       1. Species; White Pine; NLGA, WCLIB, or WWPA, finished lumber (S4S), 10"-0" or longer in length.
       2. Grade: B & Btr. Select or Supreme.
       3. Texture: Surfaced (smooth).
       4. Lumber for Transparent Finish (Stained or Clear): Solid lumber stock.
       5. Lumber for Painted Finish: Glued-up lumber or solid lumber stock.

12. Decorative Pre-Finished Wall Paneling:
    A. Provide wood paneling as indicated within the construction documents meeting the requirements below:
       1. Materials: Federal Specification LLL-B-805 Class I Finish A.B.P.A. PS 59-73, Meets ANSI and AHA Standards for pre-finishing paneling.
       2. Core: High density fiberboard.
       3. Texture: Surfaced (smooth).
       4. Provide melamine veneer with species and cut as indicated. AWI Finish System TR-4 Custom grade finish. Thickness as indicated on the drawings, or if not indicated provide a minimum of 1/4".

13. Miscellaneous Materials:
    A. Fasteners for Interior Carpentry: Provide as indicated within the construction documents meeting the requirements below:
       1. Nails, screws, and other anchoring devices of type, size, material, and finish required for application indicated to provide secure attachment, concealed where possible.
       2. Glue: Aliphatic- or phenolic-resin wood glue recommended by manufacturer for general carpentry use.

14. Installation:
    A. General Requirements: Do not use finish carpentry materials that are unsound, warped, improperly treated or finished, inadequately seasoned, or too small to fabricate with proper jointing arrangements. Do not use manufactured units with defective surfaces, sizes, or patterns. Install finish carpentry plumb, level, true, and aligned with adjacent materials. Use concealed shims where required for alignment. Scribe and cut finish carpentry to fit adjoining work. Refinish and seal cuts as recommended by manufacturer. Countersink nails, fill surface flush, and sand where face nailing is unavoidable. Install to tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm) for plumb and install adjoining finish carpentry with 1/32-inch (0.8-mm) maximum offset for flush installation and 1/16-inch (1.5-mm) maximum offset for reveal installation. Coordinate finish carpentry with materials and systems in or adjacent to standing and running trim and rails. Provide cutouts for mechanical and electrical items that penetrate exposed surfaces of trim and rails.
    B. Standing and Running Trim Installation: Install with minimum number of joints practical, using full-length pieces from maximum lengths of lumber available. Do not use pieces less than 24 inches (610 mm) long, except where necessary. Stagger joints in adjacent and related standing and running trim. Cope at returns and miter at corners to produce tight-fitting joints with fullsurface contact throughout length of joint. Use scarf joints for end-to-end joints. Plane backs of casings to provide uniform thickness across joints, if required. Match color and grain pattern across joints. Install trim after gypsum board joint finishing operations are completed. Drill pilot holes in hardwood before fastening to prevent splitting. Fasten to prevent movement or warping. Countersink fastener heads on exposed carpentry work and fill holes.
    C. Adjusting: Repair damaged or defective finish carpentry where possible to eliminate functional or visual defects. Where not possible to repair, replace finish carpentry. Adjust joinery for uniform appearance. Clean finish carpentry on exposed and semiexposed surfaces. Touch up factory applied finishes to restore damaged or soiled areas. Provide final protection and maintain conditions that ensure finish carpentry is without damage or deterioration at the time of Substantial Completion.

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07200 – BUILDING INSULATION

1. The work required by this section consists of, but is not limited to the following:
   A. Exterior walls.
   B. Interior walls (sound attenuation batts).
   C. Ceiling and roof areas.
   D. Safing.
   E. Slab perimeter insulation.
   F. Sill seals.
   G. Vapor barrier.

2. Quality Assurance: Engage an experienced Installer who has completed installations similar in material, design, and extent to that indicated for this project and with a record of successful in-service performance. Provide insulation and related materials with the fire-test-response characteristics indicated, as determined by testing identical products per ASTM E 84 for surface-burning characteristics, by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify materials with appropriate markings of applicable testing and inspecting agency.

3. Delivery and Storage: Keep materials under cover and dry. Protect against exposure to weather and contact with damp or wet surfaces. Store materials off the ground under cover.

4. Mineral Fiber Insulation:
   A. Foil-Faced Type: Glass fiber thermal insulation with foil-scrim-kraft vapor-retarder membrane on one face, complying with ASTM C 665, Type III, Class A (flame spread of 25 or less), batt or roll type, with stapling flanges.
      4.1. Width: Equal to stud or joist spacing.
      4.2. Thickness: Minimum (R-21), and thicker if indicated on the drawings, in Enery code requirements on Sht. T1, or specified below.
   B. Croft-Faced Type: Glass fiber thermal insulation with kraft vapor-retarder membrane on one face, complying with ASTM C 665, Type II, batt or roll type, with stapling flanges.
      4.1. Width: Equal to stud or joist spacing.
      4.2. Thickness: Minimum (R-21), and thicker if indicated on the drawings, in Enery code requirements on Sht. T1, or specified below.
   C. Un-Faced Type: Noncombustible glass fiber thermal insulation, complying with ASTM C 665, Type I, batt or roll type.
      4.1. Width: Equal to stud or joist spacing.
      4.2. Thickness: Minimum (R-21), and thicker if indicated on the drawings, in Enery code requirements on Sht. T1, or specified below.
   D. Sound Attenuation Batts: Unfaced glass fiber acoustical insulation complying with ASTM C 665, Type I.
      4.1. Surface Burning Characteristics: Maximum flame spread: 10, Maximum smoke development: 10, when tested in accordance with ASTM E 84.
      4.2. Combustion Characteristics: Passes ASTM E 136.
      4.3. Fire Resisstance Rating: Passes ASTM E 119 as part of a complete fire tested wall assembly.
   E. Safing Batts: Unfaced mineral wool insulation complying with ASTM C 612, Type 1-4.
      4.1. Surface Burning Characteristics: Flame Spread/Smoke Developed, Unfaced 5/0 or less.
      4.2. Combustion Characteristics: Passes ASTM E 136. Fire Resisstance Rating: Passes.

5. Closed Cell Foam Insulation:
   A. Roof Insulation: Verify compatibility with Roofing Membrane – use any slip sheets as may be required. Thickness as required for "R" value shown on drawings "Thermal Envelope" on Dwg. T1.
      1. Flat Foam Roof Insulation with Coated Glass Facer; closed-cell polyisocyanurate foam core bonded to high performance coated glass fiber facers on both sides; conforming to ASTM C 1289, Type II, Class 1 with square edges.
      2. Blowing Agent: Zero ODP, 3rd generation.
      3. Fire Ratings:
         a.a.a. UL 790 (ASTM E 108), Class A, for external flame.
         a.a.b. UL 263 (ASTM E 119), for internal flame.
         a.a.c. FM 4450/4470, Class 1, Fire Rating.
      4. Compressive Strength: 20 pounds per square inch (138 kPa) Grade 2.
      5. R Value: Provide Insulation with LTTR (Long Term Thermal Resistance) in accordance with ASTM C 1289. Minimum thickness of panels shall be as shown as required for "R" value in "Thermal Envelope" on T1
      6. Alternate Upgrade: 3/8" "Densdecking" installed over top of rigid roof insulation per manufacturer's standard details. Provide alternate bid cost for supplying and installation. Use to be determined by Owner's Project Manager.
   B. Perimeter Slab Insulation where required: Polystyrene Rigid Insulation, performed expanded, CFC free, polystyrene or foamed glass closed-cell rigid insulation with a density of 1-lb. per cubic foot, a thermal resistance of 4.0 per inch of thickness and meeting UL 1256.

6. Sill Seals: Roof Insulation: Sill Plate Gasket to be installed between concrete slab and wood sill plate, follow manufacturer's written instructions. 3/8" thick Polyethylene with self adhesive strip.
   1. Use "Plate Liner" as manufactured by Protecto Wrap or equal.
   2. Width to match stud plate width.

7. Vapor Retarder: Retarder must exceed the ASTM E 1745 Class A requirements:
   1. Water Vapor Permeance: ASTM F 1249 or ASTM E 96 – 0.1 Perm
   2. Puncture Resistance: ASTM 1709 – 2200 grams or more
   3. Tensile Strength: ASTM D 882 – 45.0 lbf/in
   4. Life Expectancy: ASTM E 154 – Indefinite
   5. Must Be 100% Virgin Resin Polyethylene
   6. Thickness: 6 mil for vapor retarder (walls)
   7. Locate as follows: Exterior side of external wall: FA, GA, MS, AL, LA. Interior side of external wall: all states except as noted above.

SECTION 07200 – BUILDING INSULATION (continued)

8. Vapor Barrier: Vapor Retarder (Stego Industries, LLC. Wrap 10-Mil Class A Vapor Retarder or equal) must exceed the ASTM E 1745 Class A requirements:
   1. Water Vapor Permeance: ASTM F 1249 or ASTM E 96 – 0.0254 Perm
   2. Puncture Resistance: ASTM 1709 – 3306 grams or more
   3. Tensile Strength: ASTM D 882 – 50.6 lbf/in
   4. Must Be 100% Virgin Resin Polyolefin
   5. Thickness: 10 mil for vapor retarder (under slab)

9. Insulation:
   A. Examine the areas and conditions under which work of this Section will be installed. Correct conditions detrimental to proper and timely completion of the Work. Do not proceed until unsatisfactory conditions have been corrected.
   B. Installation of concealed low density fiberglass blanket/batt thermal insulation:
      1. Between Roof Joists:
         1.1. Fit insulation blanket between joists, staple to joists through nailing flaps provided.
         1.2. Place foil face on the interior side.
      2. In Wood Stud Walls:
         1.1. Fit insulation blanket between studs. Staple to studs through nailing flaps provided.
         1.2. Place foil face on the interior side.
   C. In Metal Stud Walls:
      1.1. Friction fit insulation blanket between studs.
      1.2. Place foil face on the interior side.
   D. Do not install insulation on top of or within 3 inches of recessed light fixtures unless the fixtures are UL approved for such use.

SECTION 07460 – JAMES HARDIE/NICHIHA SIDING & TRIM

1. Work under this section is subject to the provisions of the contract documents which in any way affect the work specified herein.

2. Scope:
   A. Furnish and install plank, panel and shingle fiber-cement siding, trim fascia and molding and accessories where shown on drawings or as specified herein.
   B. Coordinate this section with interfacing and adjoining work for proper sequence of installation.
   C. Work in other sections affecting this work.
      1. Rough Carpentry 06100
      2. Sheathing 06160
      3. Building Insulation 07200

3. Quality Assurance: Provide fiber-cement siding that is tested and labeled according to ASTM C 1186 by a qualified testing agency acceptable to authorities having jurisdiction.
   A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
   B. Installer Qualifications: Company specializing in performing Work of this section with minimum three years documented experience.

4. Product Handling:
   A. Stack plank / panel / trim on edge or lay flat on a smooth, level surface. Protect edges and corners from chipping. Store sheets under cover and keep dry prior to installing.

5. Job Conditions:
   A. Substrate of wood framing selected for minimal shrinkage and complying with local building codes, with wall sheathing including the use of weather-resistive barriers and/or vapor barriers where required. Minimum 1½ inch framing, face and straight, true, of uniform dimensions and properly aligned.
   B. Install weather-resistive barriers and claddings to dry surfaces.
   C. Repair any punctures or tears in the weather-resistive barrier prior to the installation of the siding.
   D. Protect siding from other trades.

6. Warranty:
   A. Limited product warranty against manufacturing defects in plank lap and panel vertical siding for 50 years, and HardiTrim for 10 years.
   B. Workmanship: application limited war+ranty for 5 years.

7. Products:
   A. Plank / panel / trim Fascia and Molding
      1. Non-asbestos fiber-cement siding to comply with ASTM Standard Specification C1186 Grade II, Type A.
      2. Siding to meet the following building code compliance National Evaluation Report No. NER 405 (BOCA, ICBO, SBCC)); City of Los Angeles, Research Report No. 24862; Metro Dade County, Florida Acceptance No. 94-1234.04; US Department of Housing and Urban Development Materials Release 1263a; California DSA PS-1/19; and City of New York MEA 223-93-M.Non-asbestos fiber-cement siding to be non-combustible when tested in accordance with ASTM test method E136.
      3. Type: (SEE ELEVATIONS A5 & A6)
         a. (plank Beaded Smooth .312" x 8.25" W / 7" EXP),
         b. (Stucco Vertical Siding Panel 4' x 8'),
      4. Trim Type: Sized per exterior finish schedule and details as listed by the manufactures installation instructions of James Hardie Building Products.

8. Fasteners: Wood framing: 6d common corrosion resistant nails.

9. Installation:
   A. Surface Conditions
      1. Correct conditions detrimental to timely and proper completion of work.
   B. Installation – Hardietrim Fascia and Molding
      1. Install flashing around all wall openings.
      2. Fasten through trim into structural framing or code complying sheathing. Fasteners must penetrate minimum ? inch or full thickness of sheathing. Additional fasteners may be required to ensure adequate security.
      3. Place fasteners no closer than ? inch and no further than 2 inch from side edge of trim board and no closer than 1 inch from end. Fasten maximum 16 inch on center.
      4. Maintain clearance between trim and adjacent finished grade.
      5. Trim inside corner with single board.
      6. Install single board of outside corner board then align second corner board to outside edge of first corner board. Do not fasten Harditrim board to Hardietrim board.
      7. Allow 1/8 inch gap between trim and siding.
      8. Seal gap with high quality, paint-able caulk.
      9. Shim frieze board as required to align with corner trim.
      J. Install Hardietrim fascia over structural subfascia.

9. Installation – Hardieplank Siding
   A. Starting: Install a minimum ¼ inch thick lath starter strip at the bottom course of the wall. Apply planks horizontally with minimum 1¼ inch wide laps at the top. The bottom edge of the first plank overlaps the starter strip.
   B. Allow minimum 1 inch vertical clearance between roofing and bottom edge of siding.
   C. Align vertical joints of the planks over framing members.
   D. Maintain clearance between siding and adjacent finished grade.
   E. Locate splices at least one stud cavity away from window and door openings.
   F. Use off-stud metal joiner when vertical joints occur between framing members. Position metal joiner so that the bottom lip is resting on the solid course of planks. Fasten plank to the framing. Position and fasten abutting plank into place insuring that the lower edges of the two planks align. Locate metal joiner centrally behind the joint. Locate off-stud splices a minimum of two stud cavities from wall corners and stagger all subsequent course splices at minimum 24 inch intervals when located in the same wall cavity.
   G. Wind Resistance: Where a specified level of wind resistance is required Hardieplank lap siding is installed to framing members and secured with fasteners described in Table No. 2 in National Evaluation Service Report No. NER-405.

10. Installation – Hardiepanel Siding:
    A. Block framing between studs where Hardiepanel siding horizontal joints occur.
    B. Place fasteners no closer than 3/8 inch from panel edges and 2 inch from panel corners.
    C. Allow minimum 1 inch vertical clearance between roofing and bottom edge of siding.
    D. Maintain clearance between siding and adjacent finished grade.
    E. Specific framing and fastener requirements refer to Tables 2 and 3 in National Evaluation Service Report No. NER-405.

11. Finishing:
    A. Finish unprimed and pre-finished siding a with minimum one coat high quality, alkali-resistant primer and one coat of either 100% acrylic or latex or oil based, exterior grade topcoat or two coats high quality, alkali-resistant, 100% acrylic or latex, exterior grade topcoat within 90 days of installation. Follow paint manufacturer's written product recommendation and written application instructions. (SEE ELEVATIONS FOR ADDITIONAL PAINT INFORMATION)

SECTION 07540 – SINGLE PLY MEMBRANE ROOFING SYSTEM

1. The work required by this section consists of, but is not limited to the following:
   A. Thermoplastic roofing membrane, mechanically fastened to substrate.
   B. Prefabricated flashings, corners, parapets, stacks, vents, and related details.
   C. Fasteners, adhesives, and other accessories required for a complete roofing installation.
   D. Traffic Protection.

2. Quality Assurance: Perform work in accordance with NRCA ML104 and manufacturer's installation instructions. Engage a manufacturer specializing in the production of PVC membranes systems and utilizing a Quality Control Manual during the production of the membrane roofing system that has been approved by and is inspected by Underwriters Laboratories. The installer should be a Company specializing in installation of roofing systems similar to those specified in this project and approved by the roofing system manufacturer.

3. Physical Properties: Roof system shall be provided by Duro-Last Roofing, Inc. conforming to ASTM D 4434, Type III or IV, fabric reinforced, PVC, 60 mil, face color to be white. Must meet or exceed the following physical poroperties:
   A. Roof product must meet the requirements of type III PVC sheet roofing as defined by ASTM D 4434 and must meet or exceed the following physical properties.
   B. Thickness: 60 mil (1.52 mm), nominal in accordance with ASTM D 751.
   C. Breaking Strengths: greater than 438 lbf. (MD) and greater than 390 lbf. (XMD) in accordance with ASTM D 751, Grab Method.
   D. Elongation at Break: greater than 31 percent in accordance with ASTM D 751, Grab Method.
   E. Heat Aging in accordance with ASTM D 3045: 176 degrees F for 56 days. No sign of cracking, chipping or crazing. (In accordance with ASTM D 4434).
   F. Factory Seam Strength: greater than 431 lbf in accordance with ASTM D 751, Grab Method.
   G. Tearing Strength: greater than 132 lbf. (MD) and greater than 163 lbf. (XMD) in accordance with ASTM D 751, Procedure B.
   H. Low Temperature Bend (Flexibility): Pass at minus 40 degrees F in accordance with ASTM D 2136.
   I. Accelerated Weathering: No cracking, checking, crazing, erosion or chalking after 5,000 hours in accordance with ASTM G 154.
   J. Linear Dimensional Change: less than 0.5 percent in accordance with ASTM D 1204 at 176 plus or minus 2 degrees F for 6 hours.
   K. Water Absorption: less than 3 percent in accordance with ASTM D 570 at 158 degrees F for 166 hours.
   L. Static Puncture Resistance: greater than 56 lbs. in accordance with ASTM D 5602.
   M. Dynamic Puncture Resistance: greater than 14.7 ft-lbf in accordance with ASTM D 5635.
   N. Delivery and Storage: Keep materials under cover and dry. Protect against exposure to weather and contact with damp or wet surfaces. Store materials off the ground under cover.

4. Delivery, Storage and Handling:
   A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, and directions for storing and mixing with other components.
   B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
   C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
   D. Store roof materials and place equipment in a manner to avoid permanent deflection of deck.
   E. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

5. Project Conditions: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's specification. Do not apply roofing membrane during inclement weather, or to damp or frozen deck surface or when precipitation is anticipated. Do not expose materials to rain, snow, water or sun damage in quantities greater than can be weatherproofed in the same day.

6. Warranty:
   A. Installer Warranty: Warrant the workmanship and proper application of roof system for one year from the date of certificate of occupancy. Repair any leaks covered under the warranty that occur during this period to the satisfaction of the Owner and the roof membrane manufacturer. All corrective work will be done at no cost to the Owner.
   B. Manufacturer Warranty: Provide a no-dollar limit type warranty with provisions for completion of repairs, replacement of membrane or total replacement of the roofing system at the then-current material and labor prices throughout the life of the warranty. Warranty must also meet the following criteria:
      1. Warranty Period: 10 years from date issued.
      2. Include no exclusions for damage caused by ponded water or biological growth, or for incidental or consequential damages.
      3. Issued direct from and serviced by the roof membrane manufacturer.
      4. Be transferable for the full term of the warranty.
      5. Include no additional charges for the warranty.

7. Roofing System Components: Roofing Membrane shall be Duro-Last Specially Formulated Roofing Membrane by Duro-Last Roofing, Inc. conforming to ASTM D 4434, Type III or IV, fabric reinforced, PVC. Membrane properties as follows:
   A. Thickness: 60 mil
   B. Exposed face color: White

8. Accessory Roofing Materials: Provide accessory materials as manufactured by the roof membrane manufacture:
   A. Sheet Flashing: Manufacturer's standard sheet flashing of same material, type, reinforcement, thickness, and color as PVC sheet membrane.
   B. Prefabricated Flashing: Prefabricated flashings for pipes, curbs, inside and outside corners of same material, type, reinforcement, and color as PVC sheet membrane.
   C. Sealants and Adhesives: Caulk, pourable sealant, mastic and adhesives compatible with roofing system.
   D. Slip Sheet and Cover Boards: Slip sheet or cover boards, of type required by roof membrane manufacturer for the application.
   E. Termination Bars: Standard rigid exterior vinyl bar, 1.5 inches (38 mm) wide with slotted holes 6 inches (152 mm) on center.
   F. Edge Detail: Fascia bar and cover, prefabricated Drip Edge, prefabricated Gravel Stop, 2-Piece Compression Metal Edge.
   G. Vinyl Coated Metal: 24 gauge, hot-dipped galvanized, grade 90 metal with a minimum of 17 mil of Duro-Last membrane laminated to one side.
   H. Fasteners: Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions in FMG 4470, designed for fastening membrane to substrate.
   I. Two-Way Roof Vents: As recommended by roof membrane manufacturer and installed with a minimum of 1 vent for each 1,000 square-feet (93 sm) of roof area.
   J. Coated Glass Fiber Slip Sheet: If required, Conforming to ASTM D 146 and D 828, coated glass fiber slip sheet as approved by roof membrane manufacturer and that provides the required fire classification. install number of plies necessary to achieve the required fire classification.
   K. Walkways: Provide non-skid, maintenance-free walkway pads in areas of heavy foot traffic and around mechanical equipment. Walkway pads must be as manufactured by roof membrane manufacturer.

9. Installation Preparation: Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions. Surfaces shall be clean, smooth, free of fins, sharp edges, loose and foreign material, oil, grease, and bitumen.

10. Installation: Install roofing system in accordance with the membrane manufactures installation instructions. See sections 07200 for insulation installation requirements.
    A. Mechanical Insulation Attachment: Use only fasteners, stress plates and fastening patterns accepted for use by roof membrane manufacturer using fastening patterns that meets applicable design requirements.
    B. Mechanically Fastened Membrane: Mechanically fastened membrane to the structural deck utilizing fasteners and fastening patterns that in accordance with roof membrane manufacturer's requirements. Cut membrane to fit neatly around all penetrations and roof projections. Unroll roofing membrane and positioned with a minimum 6 inch overlap.
    C. Seaming: Weld overlapping sheets together using hot air. Minimum weld width is 1-1/2 inches (38 mm). Check welded seams for continuity and integrity by the end of each work day. Repair all imperfections.

LMHT Project No. 23104.00

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SECTION 07540 – SINGLE PLY MEMBRANE ROOFING SYSTEM (continued)

D. Membrane Termination/Securement: All membrane terminations shall be completed in accordance with roof membrane manufacturer's requirements.

E. Flashings: Complete all flashings and terminations as indicated on the Drawings and in accordance with roof membrane manufacturer's requirements.

F. Penetrations: Flash all pipes, supports, soil stacks, cold vents, and other penetrations passing through the roofing membrane as indicated on the Drawings and in accordance with roof membrane manufacturer's requirements. Utilize custom prefabricated flashings supplied by roof membrane manufacture where applicable.

H. Pipe Clusters and Unusual Shapes: Clusters of pipes or other penetrations which cannot be sealed with prefabricated flashings or membrane shall be sealed by surrounding them with pourable sealer supplied by roof membrane manufacturer.

I. Roof Drains: Provide a smooth clean surface on the mating surface between the clamping ring and the drain base. Taper insulation around the drain to prevent the membrane from bridging and to provide a smooth transition from the roof surface to the drain clamping ring. Use sealant to seal between the membrane and the drain base using constant, even compression from the drain clamping ring.

J. Fascia/Drip Edge/Gravel Stop: Provide fascia bar and cover, drip edge and gravel stop as indicated on the Drawings. Install in accordance with roof membrane manufacturer's requirements.

K. Manufactured Roof Specialties: Coordinate installation of copings, counter flashing systems, gutters, downspouts, and roof expansion assemblies.

L. Walkways: Install walkways in accordance with roof membrane manufacturer's requirements. Provided walkways where indicated on the Drawings. Do not install walkways over flashings or fields seams until field inspections by roof membrane manufacturer have been completed.

SECTION 07600 – SHEET METAL

1. The fabrication and installation of sheet metal work shall be in accordance with the details on the drawings, and the "Architectural Sheet Metal Manual" published by the Sheet Metal and Air Conditioning Contractors National Association.

2. Sheet metal flashings, gutters, metal drip edge, downspouts, and trim shall be fabricated from 24 gauge paint grip zinc coated steel. See Architectural Drawings for specific details for gutter installation. Metal coping shall be fabricated from 22 gauge paint grip zinc coated steel (See Drawings).

3. Downspouts shall be fabricated in accordance with Plate 32, Figure B of the Architectural Sheet Metal Manual. Hangers shall be 1/16 inch x 1 inch galvanized steel, installed at not over 4'–0" centers, and not less than three (3) per downspout. Fasten hangers to wall with noncorrosive fasteners. Lap downspout joints 1 1/2 inches minimum in direction of water flow.

4. Flashing shall be installed to conform with shapes and sizes as shown on drawings. Lap splice ends minimum of 4 inches and seal contact surfaces with plastic cement. Seal at ends by turning back min. 1 inch and set in plastic cement. Separate all dissimilar materials surfaces with mastic or asphaltic paint.

5. All sheet metal fabrications shall be painted as specified in Section 09900, and in strict accordance with the exterior finish schedule on the drawings.

6. Conceal all fasteners, in sheet metal fabrications where possible. Exposed fasteners, where indicated, shall match the color of surrounding material.

7. Work shall be done so as to ensure watertight construction. Make ample provision for expansion and contraction of sheet metal items. Joints shall be soldered, lapped, riveted, locked or sealed as conditions warrant.

SECTION 07920 – JOINT SEALERS

1. The work required under this section includes caulking of all joints around windows, doors, storefront, expansion joints, between dissimilar materials (where indicated on drawings) and as otherwise required for a complete and watertight installation.

2. Exterior sealant shall be a one–part Thiokol base Polysulfide or G.E. silicone sealant; color to be compatible with adjoining surfaces.

3. Clean all joints before caulking; apply primer where required and in quantities as recommended by manufacturer. Install backer rods as detailed. Apply under pressure, tool slightly concave and trim afterwards. Clean all adjacent surfaces after caulking, irregular, "wavy" or otherwise unprofessional caulking will be rejected.

4. Provide closed cell backer rods when required by joint design.

5. Application: All sealants required shall be as follows:

   A. Interior
      at Stained wood: 20 year Siliconized Caulking; match color,
      at Wallpaper: Siliconized Caulking; Matching wallpaper color

   B. Exterior
      Glass at windows: Clear Silicone
      Wood to Wood: Silicone; match paint color
      Wood to Masonry: Silicone, match paint color

   C. Equipment: Clear Silicone

DIVISION 8 – DOORS, WINDOWS, AND GLASS

SECTION 08110 – STEEL DOORS AND FRAMES

1. The work required by this section consists of, but is not limited to the following:

   A. Steel doors and frames.

2. Quality Assurance: All products shall conform to the requirements of ANSI A250.8, "SDI 100 Recommended Specifications for Standard Steel Doors and Frames".

   A. Insulated Doors shall have (per ASTM C1363):
      1. A "U Factor" of 0.39 for a Polyurethane core.
      2. Fire Rated Doors:
         a. Doors shall be tested in accordance with UL 10B, "Fire Tests of Door Assemblies", NFPA 252, "Fire Tests of Door Assemblies", and UL 10C, "Positive Pressure Fire Tests of Door Assemblies".
         b. Doors must have an approved marking or physical label, applied by an authorized facility, in accordance with the procedure set forth by an independent certification agency.

2. Delivery, Storage,and Handling: Deliver doors and frames palletized and wrapped to provide protection while in transit. Store all materials under cover. Avoid use of non–vented plastic or canvas shelters to prevent forming of humidity chambers that cause rust. If cardboard wrapping becomes wet, remove cartons immediately. Provide 1/4 inch (6 mm) spacing between doors to provide air circulation.

3. Materials:

   A. Door Construction:
      A. Uncoated Steel Sheet: Cold rolled commercial steel sheet complying with ASTM A 366/A 366M.
      B. Doors: Full flush (No Vertical Face Seams), complying with ANSI A250.8; face panels laminated to core.
      C. Thickness: 1–3/4 inches (44 mm).
      D. ANSI Level 1, Model 1; 18 gage (1.3 mm) faces, visible edge seams.
      E. Faces: Full flush.
      F. Face Material: Cold Roll Steel sheet.
      G. Insulated Doors: Insulated; U–value of 0.39, polyurethane core (per ASTM C1363).
      H. Provide factory mounted labels for all rated doors.

   B. Frame Construction:
      A. Frames: Formed steel sheet, with 2 inch (50 mm) wide face jambs and heads unless otherwise indicated; complying with ANSI A250.8.
      B. Frame Depth: Fixed, as indicated on drawings.
      C. Material: 18 gage (1.2 mm) frames. Cold Roll Steel sheet.
      D. Corners: Exterior – Mitered; face welded and ground smooth.
         Interior – Knock down
      E. Provide 3 anchors per jamb.
      F. Provide 3 silencers for single doors, 2 silencers on head of frame for pairs of doors.
      G. Reinforce frames for all hardware scheduled.
      H. Finish: Factory prime finish.

4. Installation: Install frames plumb, level, rigid and in true alignment in accordance with ANSI A250.11, "Recommended Erection Instructions for Steel Frames" and ANSI A115.IG, "Installation Guide for Doors and Hardware". All frames other than slip–on types shall be fastened to the adjacent structure to retain their position and stability. Drywall slip–on frames shall be installed in prepared wall openings, and shall use pressure type and sill anchors to maintain stability. Where grouting is required in masonry installations, frames shall be braced or fastened to prevent the pressure of the grout from deforming the frame members. Install fire–rated doors and frames in accordance with NFPA 80 and local code authority requirements. Install doors to maintain alignment with frames to achieve maximum operational effectiveness and appearance. Adjust to maintain perimeter clearances as required. Shim as needed to assure the proper clearance is achieved.

SECTION 08200 – WOOD DOORS

1. The work required by this section consists of, but is not limited to the following:

   A. Interior solid core wood doors.

2. Quality Assurance: Unless otherwise specified, all products provided for this project shall be produced by a single manufacturer.
   A. Manufacturer of wood doors shall have not less than ten years successful production of the quality of wood doors specified.
   B. Wood doors shall comply with AWI Quality Standards of the Architectural Woodwork Institute, Premium Grade, Section 1400, Eighth Edition, Version 2.0.

3. Delivery, Storage, and Handling:
   A. Protect wood doors during transit, storage and handling to prevent damage, soiling and deterioration. Replace doors damaged from any cause before final inspection.
   B. Comply with manufacturer's instructions and with "On–Site–Care" requirements of AWI pamphlet "Care and Finishing of Wood Doors."
   C. Deliver wood doors to site after wet construction operations are completed and dry, and building has reached average prevailing relative humidity.
   D. Deliver pre–finished components in manufacturer's original unopened protective covering or container, clearly marked with manufacturer's name, brand name and identifying number on the covering.
   E. Store in clean, dry, well ventilated area protected from sunlight. Avoid extreme heat, cold, dryness or humidity; relative humidity in storage area shall be not less than 30% nor greater than 60%. Store flat over level surface above floor on wood blocking. Under bottom door and over top of stack, provide plywood or corrugated cardboard for protection.
   F. Do not drag doors across one another or across other surfaces.

4. Warranty: Provide the manufacturer's written warranty, agreeing to repair or replace wood doors for one year after Date of Material Completion which have delaminated in any degree, warped or twisted 1/4" or more in plane of door face, telegraphed stile, rail or core through the face to cause surface variation in excess of 1/100" in any 3" span, or for any faulty workmanship

5. Products:
   A. Wood doors shall be 5 or 7–ply and have solid particleboard core, except where fire rating requires a different core, meeting or exceeding the requirements of ANSI A208.1, CS236, type 1 Density C, Class 1, AWI Specification Symbol PC–5/PC–7. AWI1300 PC–5/PC–7 prefinished / premachined.
   B. Stiles and rails shall be securely bonded to the core by non–mechanical method, and shall be minimum 1–3/8" vertical stiles, 1–1/8" top and 1–1/2" bottom rails. Stiles shall match face veneer of doors in appearance.
   C. Adhesive shall be Type 1.
   D. Face veneer shall be AWI Premium Grade Veneer with the quality characteristics of AW1200–S–8 Panel Products, and shall match existing. The minimum thickness of face veneer shall be 1/40" before sanding.
   E. Labeled wood fire doors shall be AWI Type FD, flush panel, with face veneers matching those specified for regular wood doors, with non–combustible mineral core. Provide fire retardant treated matching hardwood, minimum 5/8" after trimming at top rail, 1/2" minimum after trimming at stiles and 1–1/2" minimum after trimming at bottom rail. Fire ratings shall be as indicated in the Door Schedule.
   F. Provide metal frames and removable glazing beads at glazed openings. Prefinished in color as approved by the Architect from the manufacturer's standard colors. Frames shall provide rating protection indicated.

6. Fabrication:
   A. Face veneer and cross band shall be glued to the core in a hot press. The face veneer shall be center balanced on all doors.
   B. Unless otherwise required to match hardware bevel, provide 1/8" standard bevel at strike side stiles.
   C. Fabricate and trim doors to size at the factory to coordinate with approved shop drawings and to accommodate floor finishes indicated on the finish schedule. Pre–fit doors as specified to receive specified hardware conforming to requirements of the hardware suppliers. Provide cut–outs to receive glazed panels and door louvers.
   D. Doors shall be factory–finished as specified below after pre–fitting, conforming to requirements of Section 1500 AWI Standards. Submit samples of stained finish to Architect for approval before beginning work.

7. Finish:
   A. Pre–finish all wood doors at factory to match manufacturer's standard color approved by the Architect.

8. Preparation for Hardware:
   A. Pre–machine all wood doors at factory.
   B. Pre–machine doors in accordance with final approved hardware and frame schedule.
   C. Pre–machine doors within industry tolerances. A plus or minus 1/32" will be allowed on all hardware locations. A plus 1/32" minus 0" tolerance will be allowed on hinge cutouts. A plus 1/64" minus 0" tolerance will be allowed on lock front preparation cutouts.

9. Installation:
   A. Install doors within openings in hollow metal frames. Provide shims and blocking as required to maintain proper positioning.
   B. Protect new doors after hanging. Protection shall prevent gouges in faces, stains, dirt, or damage.
   C. Replace pre–finished doors damaged prior to Date of Material Completion.

10. Adjusting:
   A. Adjust and check each door to ensure operation and function requirements.
   B. Replace or rehang doors which are hinge bound and do not swing or operate without binding.
   C. Remove and replace doors which do not meet requirements specified under WARRANTY above.

SECTION 08380 – TRAFFIC/IMPACT DOORS

1. The work required by this section consists of, but is not limited to the following:

   A. Non–insulated impact traffic doors.
   B. Insulated impact traffic doors.

2. Quality Assurance: Unless otherwise specified, all products provided for this project shall be produced by a single manufacturer.
   B. Manufacturer of wood doors shall have not less than ten years successful production of the quality of Traffic/Impact Doors.

3. Delivery, Storage, and Handling:
   A. Protect doors during transit, storage and handling to prevent damage, soiling and deterioration. Replace doors damaged from any cause before final inspection.
   B. Deliver pre–finished components in manufacturer's original unopened protective covering or container, clearly marked with manufacturer's name, brand name and identifying number on the covering. Do not lay flat.
   C. Store in clean, dry, well ventilated area protected from sunlight. Avoid extreme heat, cold, dryness or humidity; relative humidity in storage area shall be not less than 30% nor greater than 60%. Store flat over level surface above floor on wood blocking. Under bottom door and over top of stack, provide plywood or corrugated cardboard for protection.
   D. Do not drag doors across one another or across other surfaces.

4. Warranty: Provide the manufacturer's written warranty, agreeing to repair or replace wood doors for one year after issuance of a certificate of occupancy which have delaminated in any degree, warped or twisted, or for any faulty workmanship

5. Products: Acceptable Manufacturer:
   A. Eliason Corp., Easy Swing Door Div., which is located at: 9229 Shaver Rd.; Kalamazoo, MI 49024; Toll Free Tel: 800–828–3655; Tel: 269–327–7003; Fax: 800–828–3577; Email: request info (quotes–orders@senneca.com); Web: www.eliasoncorp.com
   B. Chase Industries, Inc. (DBA Chase Doors) Durus Products, 2809 SW 13th Street, Redmond, OR 97756, Telephone: (800) 543–4455. Fax: (800) 285–0126.

6. Impact Traffic Doors: Eliason LWP–6. 0.063 inches (1.6 mm) thick tempered aluminum alloy, delta formed vertical edges; satin anodized finish; mounting screws for flush jambs included.

   A. Facing: Decorative laminate both sides. (Model LWP–6)
   B. Top Panels: 0.032 inch (0.81 mm) decorative laminate, both sides.
   C. Base Plates: 12 inches (305 mm) high 18 gauge (1.2 mm) steel, stainless steel both sides. Easy swing hardware. (Model HCP–10)
   D. Window Size: 9"wide x 24" tall, mounted maximum of 43" from finish floor.
   E. Window Molding: Black rubber molding.
   F. Window: Flush.
   G. Glazing: Clear glazed acrylic.
   H. Facing Color: Plastic laminate to be selected from manufactures standard color range.

SECTION 08380 – TRAFFIC/IMPACT DOORS (continued)

7. Insulated Impact Traffic Doors: Chase Doors Durulite Retailer door. Door Panel shall be a monolithic, hollow shell of high impact, cross–linked polyethylene with minimum wall thickness of 1/8", overall panel thickness of 1–1/2" and textured finish. Leading edge has molded in key extrusion to accept gaskets. Bottom, and back edges are fitted with an aluminum nosing which will accept The top edge has a 1/8" radius.

   A. Door Panel Core: shall be of a non–CFC urethane foam bonded to interior of the high density cross linked polyethylene shell providing an insulating R factor of 9.86.
   B. Standard Hinge System: consists of the following components:
   C. Upper hinge: self–closing "V" cam design; [1–3/8" standard rise]. The fully composite VCam roller assembly resists corrosion and rust. Upper hinge seal shall be semi–rigid black PVC wrapped around a rigid PVC cup that mounts directly to the VCam assembly and moves vertically with the door panel.
   D. Lower hinge: solid cast aluminum lower hinge adapter with UHMW sleeve.
   E. Hinge Shaft: 1 ? diameter tubular steel, which runs the full length of the door and rests in the UHMW Sleeve which is mounted in the Lower Hinge Adapter. The Roller Assembly mounts to the top of the tube steel and rests on the V–Cam.
   F. Window Size: 9"wide x 24" tall, mounted maximum of 43" from finish floor.
   G. Window Molding: ABS frames.
   H. Window: Flush.
   I. Glazing: Clear glazed polycarbonate.
   J. Finish – Plastic laminate – color: White

8. Installation:
   A. Examination: Do not begin installation until substrates have been properly prepared. Verify jambs are plumb and square. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   B. Preparation: Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   C. Installation: Install in accordance with manufacturer's instructions. Anchor assembly to wall construction and building framing without distortion or stress. Fit and align door assembly including hardware. Minimum jamb construction of double studded 2 by 4 wood construction or equivalent. Reinforce hollow metal jambs at hardware locations. Steel channel jambs are required for heavy duty traffic doors. Adjust door assembly to smooth operation and in full contact with weatherstripping.
   D. Cleaning: Clean doors, frames and glass. Remove temporary labels and visible markings.
   E. Protection: Protect installed products until completion of project. Touch–up, repair or replace damaged products before Substantial Completion.

SECTION 08400 – ALUMINUM ENTRANCES AND STOREFRONTS

1. The work required by this section consists of, but is not limited to the following:

   A. Thermally broken aluminum storefronts.
   B. Aluminum entrance doors.

2. Basis of Design: Drawings and specifications are based upon storefront produced by Kawneer Company Inc., Trifab 451T Framing (Thermal), System dimensions shall be 2" x 4–1/2" (50.8 mm x 114.3 mm), Glazing to be Center Plane. Entrance doors shall be based on Kawneer Company Inc., 350 Series Entrances with 3/4" insulated tempered glazing. System dimensions shall be 3 1/2" vertical style, 3½" horizontal style, and 10" bottom rail. Whenever substitutes are to be considered, supporting technical literature, samples drawings and performance data must be submitted to the Owner a minimum of ten (10) days prior to bid in order to make a valid comparison of the product involved.

   A. Acceptible alternate manufacturers:
      Product to be equal to or better than that specified
      Kawneer = U.S. Aluminum

2. Quality Assurance: Unless otherwise specified, all products provided for this project shall be produced by a single manufacturer.
   A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope.
   B. Manufacturer Qualifications: A manufacturer capable of providing aluminum framed storefront system that meet or exceed performance requirements indicated and of documenting this performance by inclusion of test reports, and calculations.
   C. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

3. Performance Requirements: Aluminum–framed entrance system shall withstand the effects of the following performance requirements without failure due to defective manufacture, fabrication, installation, or other defects in construction.
   A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope.
   B. Aluminum Framed Entrance Performance Requirements:
      1.1.1. Wind loads: Provide entrance system, include anchorage, capable of withstanding wind load design pressures designed to meet the local regulatory agency governing the requirements for the project.
   C. Air Infiltration: For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 1.57 psf (75 PA) for single and pairs of doors. A single 3'0" x 7'0" (915 mm x 2134 mm) entrance door and frame shall not exceed 1.0 cfm/ft2. A pair of 6'0" x 7'0" (1830 mm x 2134 mm) entrance doors and frame shall not exceed 1.0 cfm/ft2.
   D. Structural Performance: Corner strength shall be tested per the Kawneer dual moment load test procedure and certified by an independent testing laboratory to ensure weld compliance and corner integrity.

4. Warranty: Provide the manufacturer's standard written warranty, agreeing to repair or replace components for two years after the certificate of occupancy for the building, however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.

5. Products:
   A. Storefront Framing System: Thermal Barrier (Trifab 451T), Kawneer Thermal Break with two (2) 1/4" (6.4 mm) separations consisting of a two–part chemically curing, high–density polyurethane, which is mechanically and adhesively joined to aluminum storefront sections. Thermal Break shall be designed in accordance with AAMA TIR–A8 and tested in accordance with AAMA 505.
   B. Glazing Systems: Glazing Gaskets shall be manufacturer's standard compression types; replaceable, extruded EPDM rubber. Spacers and Setting Blocks shall be manufacturer's standard elastomeric type. Bond–Breaker Tape shall be manufacturer's standard TFE–fluorocarbon or polyethylene material to which sealants will not develop adhesion. Glazing Sealants shall be as recommended by manufacturer for joint type, and as follows:
      B.A. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; single–component neutral–curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural–sealant, weatherseal–sealant, and aluminum–framed–system manufacturers for this use.
   A. Aluminum Finishes: Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes. Finish to be Kawneer Permanodic AA–M10C21A44, AAMA 611, Architectural Class II Dark Bronze Coating, Color #40 Dark Bronze.

6. Installation:
   A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum–framed storefront system, accessories, and other components.
   B. Install aluminum–framed storefront system level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
   C. Set sill members in bed of sealant or with gaskets, as indicated, for weather tight construction.
   D. Install aluminum–framed storefront system and components to drain condensation, water penetrating joints, and moisture migrating within aluminum–framed storefront system to the exterior.
   E. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.
   F. After installation, the General Contractor shall adequately protect exposed portions of aluminum surfaces from damage by grinding and polishing compounds, plaster, lime, acid, cement, or other contaminants. The General Contractor shall be responsible for final cleaning.

SECTION 08400 – ALUMINUM ENTRANCES AND STOREFRONTS (continued)

7. Hardware for the entrance door and frame shall be as follows:
   All hardware marked (*) shall meet ADA requirements.

SET	HARDWARE	MANUF/MODEL	FINISH
HW–1A	(1) Top, intermediate, bottom offset pivots	Kawneer	match door
	(*)(1) Panic Hardware	Kawneer – Dor–O–Matic 1990 – Concealed Rod	#40
	Concealed extension bolts – top & bott.		
	(*)(1) Closer, Surface Mounted Heavy Duty	Norton 1601 1–6	#40
	(*)(1) Pull	Kawneer style CO–9	US10B
	(*)(1) Threshold 1/2"x4"x36"	Kawneer	Mill
	(1) Sealair Weathering System	Kawneer	
	(1) Rain Guard at Head		
HW–1B	(1) Top, intermediate, bottom offset pivots	Kawneer	
	(*)(1) Closer, Surface Mounted	Norton 1601 1–6	#40
	(*)(1) Push/Pull	Kawneer style CO–9	US10B
HW–1C	(1) Top, intermediate, bottom offset pivots	Kawneer	match door
	(*)(1) Panic Hardware	Kawneer – Dor–O–Matic 1990 – Concealed Rod	#40
	Concealed extension bolts – top & bott.		
	(*)(1) Closer, Surface Mounted Heavy Duty	Norton 1601 1–6	#40
	(*)(1) Threshold 1/2"x4"x36"	Kawneer	Mill
	(1) Sealair Weathering System	Kawneer	
	(1) Rain Guard at Head		
	EXIT ONLY – NO PULL		
HW–1B	(1) Top, intermediate, bottom offset pivots	Kawneer	
	(*)(1) Closer, Surface Mounted	Norton 1601 1–6	#40
	(*)(1) Pull	Kawneer style CO–9	US10B
	EXIT ONLY – NO PULL		

SECTION 08560 – VINYL WINDOWS

1. The work required by this section consists of, but is not limited to the following:
   A. Fixed vinyl window units.
   B. Color – Dark Bronze

2. Basis of Design: Drawings and specifications are based upon vinyl windows produced by Ply Gem, 1500 Series. Whenever substitutes are to be considered, supporting technical literature, samples drawings and performance data must be submitted to the Owner a minimum of ten (10) days prior to bid in order to make a valid comparison of the product involved.

2. Quality Assurance: Unless otherwise specified, all products provided for this project shall be produced by a single manufacturer:
   A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope.
   B. Manufacturer Qualifications: A manufacturer capable of providing aluminum framed storefront system that meet or exceed performance requirements indicated and of documenting this performance by inclusion of test reports, and calculations, with a Minimum of ten (10) years experience manufacturing vinyl (PVC) windows.
   C. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

3. Performance Requirements: Vinyl window systems shall withstand the effects of the following performance requirements without failure due to defective manufacture, fabrication, installation, or other defects in construction.
   A. Provide window units independently tested and found to be in compliance with ANSI/AAMA/NWWDA/A440 101/I.S.2, the most current testing protocols of The National Fenestration Rating Council and performance standards specified in this section.
   B. Compliance: Provide windows that are labeled in compliance with the jurisdiction having authority over the project.

4. Delivery, Storage, and Handling:
   A. Deliver windows to project site in undamaged condition; handle window units to prevent damage to components and finishes.
   B. Store products in manufacturer's unopened packaging, out of direct sunlight or high temperature locations, until ready for installation.

5. Warranty: Submit manufacturer's standard warranty against defects in workmanship and materials. Limited Lifetime Transferable Warranty on extruded solid vinyl member and component parts. Insulating glass has 20 year Warranty for material obstruction of transparency resulting from film formation or dust collection on the interior glass surfaces. Warranty covers all vinyl, glass, and component parts.

6. Products: Fixed Windows for New Construction: Provide units manufactured by Ply Gem from the 1500 Series product line, in sizes as indicated on the drawings.
   A. Fixed Vinyl Windows: Sizes as indicated on drawings.
   B. Frame: Brickmould.
   C. Grille: Simulated divided lite internal to the glass, GBG 5/8" Sculptured.
   D. Glazing: 7/8"" Double glazed, Low E2+ without Argon fill. One lite of low–E and one lite of interior surface low–E. minimum U–value = .30, minimum SHGC = .30
   E. Color: – Dark Bronze
   F. Accessory Materials:
      a. Perimeter Joint Sealant: Type as recommended in printed installation instructions from manufacturer for use between nail fin and exterior sheathing.
      b. Insulation: Type as recommended in printed installation instructions from manufacturer for use between window frame and rough opening.

7. Installation:
   A. Install in accordance with manufacturer's instructions.
   B. Apply sealant around perimeter of window unit between nail fin and exterior sheathing of wall in accordance with manufacturer's instructions.
   C. Install window unit level, plumb and square. Center window unit in opening and secure window unit by nailing through nail fin and screw through jambs as indicated in manufacturer's instructions.
   D. Flash window in accordance with AAMA's Standard Practice for Installation of Windows with a Mounting Flange in Stud Frame Construction.
   E. Insulate between window frame and rough opening with insulation in accordance with manufacturer's instructions.
   F. Adjust units for smooth operation without binding or racking.

8. Cleaning and Protection: Clean soiled surfaces and glass in accordance with manufacturer's instruction prior to substantial completion. Protect installed products until completion of project. Touch–up, repair or replace damaged products before Substantial Completion.

SECTION 08710 – FINISH HARDWARE

1. The hardware supplier shall furnish a finish hardware schedule listing all materials by sets.

2. The hardware supplier shall furnish hardware templates to the door and frame manufacturer, as required.

3. When the hardware is delivered to the job, the Contractor shall receive it, check it against the hardware schedule, and store it in a safe place under lock and key. After installation, protect all items against damage until final inspection.

4. All hardware indicated thus (*) shall meet local ADA requirements.

5. Acceptible alternate manufacturers:
   Product to be equal to or better than that specified in Hardware Schedule
   Schlage = Falcon
   Don Jo = Rockwood
   K2 = Yale
   DoorViewer = Rockwood
   Don Jo (crash stop) = Ives

SECTION 08710 – FINISH HARDWARE

5. Hardware Schedule

SET	HARDWARE	MODEL/FINISH	MANUF.
HW–1	Hardware to be furnished by aluminum door/frame supplier, see Section 08400		
HW–2	(3) hinge	TA2714 5"x4.5" us26d NRP exterior ball bearing hinge	McKinney
	(*)(1) exit alarm	THPA (W) panic bar with 9v exit alarm	Positive Lock
	(*)(1) closer	QDC115 EDA PA Alum s/top HD closer	K2
	(*)(1) weatherstrip	294av jambup weatherstrip, perimeter gasketing	Pemko
	(*)(1) threshold	170a aluminum saddle threshold, 4"x _ x1/2"	Pemko
	(*)(1) door scope	DS238 Alum, 2 3/8"dia door scope	DoorScope
	(1) armor plate	90 us32d stainless steel armor plate	Don–Jo
	(1) sweep	315cn neoprene weep	Don–Jo
	(1) chain	CC–100 21 3/4"crash chain	Don–Jo
	(1) drip cap	346D overhead drip cap	Pemko
HW–3	(3) hinge	MPB79 4.5"x4.5" us26d interior ball bearing hinge	McKinney
	(*)(1) pull plate	H7119 630 4"x16" ADA pull plate	Don–Jo
	(*)(1) push plate	71 630 4"x16" push plate	Don–Jo
	(*)(1) closer	QDC115 EDA PA Alum SN HD closer	K2
	(1) kickplate	90 630 S/S kickplate	Don–Jo
	(1) wall stop	1406 630 convex wall mount door stop	Don–Jo
	(3) silencer	1608 metal door frame silencer	Don–Jo
HW–4	(3) hinge	MPB79 4.5"x4.5" us26d NRP exterior ball bearing hinge	McKinney
	(*)(1) exit alarm	THPA (W) panic bar with 9v exit alarm	Positive Lock
	(*)(1) closer	QDC115 EDA PA Alum s/top HD closer	K2
	(*)(1) door scope	DS238 Alum, 2–3/8"dia door scope	DoorViewer
	(*)(1) weatherstrip	294av jambup weatherstrip, perimeter gasketing	Pemko
	(*)(1) threshold	170a aluminum saddle threshold, 4"x _ x1/2"	Pemko
	(1) sweep	315cn neoprene sweep	Pemko
	(1) drip cap	346D overhead drip cap	Pemko
HW–5	Hardware by door manufacturer.		
	(2) stop	1420 626 surface applied stop	Don–Jo
HW–6	(3) hinge	MPB79 4.5"x4.5" us26d interior ball bearing hinge	McKinney
	(*)(1) lockset	AL53pd Sat 626 10–025 11–096 keyed lever entrance lockset, 6pin C	Schlage
	(1) wall stop	1407 630 concave wall mount door stop	Don–Jo
	(3) silencer	1608 metal door frame silencer	Don–Jo
HW–6A	(3) hinge	MPB79 4.5"x4.5" us26d interior ball bearing hinge	McKinney
	(*)(1) privacy	AL40S Sat 626 10–025 11–116 privacy lever latchset	Schlage
	(*)(1) closer	QDC111 Reg Arm Alum SN HD closer	K2
	(1) wall stop	1407 630 concave wall mount door stop	Don–Jo
	(3) silencer	1608 metal door frame silencer	Don–Jo
HW–7	(3) hinge	MPB79 4.5"x4.5" us26d NRP exterior ball bearing hinge	McKinney
	(*)(1) lockset	AL53pd Sat 626 10–025 11–096 keyed lever entrance lockset, 6pin C	Schlage
	(1) closer	QDC115 EDA Alum s/top HD closer	K2
	(1) weatherstrip	294av jambup weatherstrip, perimeter gasketing	Pemko
	(*)(3) threshold	170a 36" aluminum saddle threshold, 4"x _ x1/2"	Pemko
	(1) door scope	DS238 Alum, 2 3/8"dia door scope	DoorScope
	(1) armor plate	90 us32d stainless steel armor plate	Don–Jo
	(1) sweep	315cn neoprene sweep	Pemko
	(1) chain	CC–100 21 3/4"crash chain	Don–Jo
	(1) drip cap	346D overhead drip cap	Pemko
HW–8	(6) hinge	MPB79 4.5"x4.5" us26d interior ball bearing hinge	McKinney
	(*)(1) privacy	AL80pd Sat 626 10–025 11–096 keyed lever storeroom lockset, 6pin C	Schlage
	(*)(1) dummy	AL170 Sat 626	
	(1) ext. bolts	Top & Bottom concealed extension bolts	
	(*)(1) closer	QDC115 EDA Alum SN HD closer	K2
	(1) wall stop	1407 630 concave wall mount door stop	Don–Jo
	(6) silencer	1608 metal door frame silencer	Don–Jo
HW–9	(double doors at banquet room)		
	(6) hinge	MPB79 4.5"x4.5" us26d interior ball bearing hinge	McKinney
	(*)(4) pull plate	H7119 630 4"x16" ADA pull plate (back to back mounting)	Don–Jo
	(2) roller latch	1704 626 roller latch	Don–Jo
	(6) silencer	1608 metal door frame silencer	Don–Jo
	(2) wall stop	1407 630 concave wall mount door stop	Don–Jo
	(2) kickplate	90 630 S/S kickplate	Don–Jo

Note: For information contact B.A. Hoft Inc. See Corporate Vendor List, sheet SP7 for contact and address.

SECTION 08800 – GLASS AND GLAZING

1. Furnish all labor, material, and equipment required to install all storefront glazing, and mirrors in accordance with the plans and specifications and to the satisfaction of the General Contractor.

2. Glass and glazing: Glass in all exterior storefront walls shall be 3/4 inch thick insulating glass, consisting of two (2) 1/8 (nominal) inch sheets of clear glass with space between. Glass in all storefront windows on the south and west sides must be shaded bronze. Glass in all windows on the north and east sides shall be clear. Minimum U–value = .30, minimum SHGC = .30. See sheet T1 for U–values and shading coefficients and sections 08400 – Aluminum Entrance and Storefront and 08560 – Vinyl Windows.

3. All glass in hazardous locations as prescribed by the local or federal code must be tempered or safety glass. Subcontractor shall check job for exact dimensions. Glass shall be installed with trim and caulking as detailed on drawings.

4. Specialty Glazing:
   a. Acrylic Glazing: Polyester based resin with natural wood imbedded within the panel. Basis of deisgn is 3 Form "Varia Ecoresin". 2300 South 2300 West, Suite B, Salt Lake City, UT 84119, 800–726–0126
      1. Product: "Timber Latitude Natural".
      2. Panel Size: 48 inches x 96 inches.
      3. Thickness: 3/8 inch.
   b. Translucent FRP: 0.12" x 4 x 10 Luxcore Plus; ATI Laminates

5. Mirrors over restroom lavatories shall be 18 inches x 36 inches, full length mirrors shall be 16 inches x 48 inches, as shown on drawings, 1/4 inch polished plate glass with electrolic–copper backing. Secure to wall with concealed chrome anchors over each vanity and at wall.

6. Installation: All work shall be in strict accordance with FGMS Glazing Manual Specifications and as described in the Glazing Sealing Systems Manual of the Flat Glass Marketing.

7. Cleaning: The Contractor is to leave all glass and glazing clean and free of stain, dirt, paint, excess caulking and stickers (wash clean). The General Contractor will furnish an open container for the disposal of trash and debris. It is the responsibility of Subcontractor to daily place all trash and debris, caused by his work, into the container provided.

8. Warranty: The Subcontractor shall warrant for a period of one year, the windows against water leaks, and the insulating glass units against stress breakage and air leaks, and will replace free of charge any such damaged units.

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Plotted Date: Nov 10, 2023 – 4:09pm

LMHT Project No. 23104.00

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STATE OF FLORIDA
GLEN LEHMAN
AR97728
REGISTERED ARCHITECT

11/10/23

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DIVISION 9 – FINISHES

SECTION 09250 – GYPSUM DRYWALL

1. The work required by this section consists of, but is not limited to the following:
   - A. Regular Gypsum Board.
   - B. Regular Gypsum Ceiling Board.
   - C. Type "X" Fire Rated Gypsum Board.
   - D. Moisture Resistant Gypsum Board.
   - E. Glass Mat Tile Backer Board.

2. Design Requirements:
   - A. Fire–Resistive Rating: Where indicated on Drawings, provide materials and construction that are identical to those assemblies whose fire resistance rating has been determined per ASTM E 119 by a testing and inspecting organization acceptable to authorities having jurisdiction.
     1. Meet or exceed fire resistance requirements outlined under provisions of the GA–600 Fire Resistance Design Manual for wall and ceiling assemblies.
     2. Meet or exceed Class A flame/fuel/smoke requirements of ASTM E 84 surface burning characteristics for finish materials.
   - B. Regulatory Requirements: Conform to requirements for tested fire rated assemblies of the GA 600, Fire Resistance Design Manual, UL, Fire Resistance Directory, and ICC Evaluation Reports and Standards.
   - C. Performance Criteria: Gypsum Board Products: Conform to general provisions of ASTM C1396. Ends square cut and edges tapered. Gypsum Board at Non–Rated Wall Assemblies: 1/2 inch thick. Gypsum Board at Fire–Resistive Rated Wall Assemblies: 5/8 inch thick, UL labeled, and conforming to ICC ES Report for Type X. Gypsum Board at Non–Rated Ceiling Assemblies: 5/8 inch thick.
   - B. Sound Transmission Characteristics: For gypsum board assemblies with STC ratings, provide materials and construction identical to those tested in assembly indicated according to ASTM E 90 and classified according to ASTM E 413 by a qualified independent testing agency.
   - C. Finishing: All work shall comply with the Gypsum Association, Application and Finishing of Gypsum Board, GA–216–2016.

2. Quality Assurance:
   - A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar materials for 3 years documented.
   - B. Fire–Resistance Labeling: Provide products labeled with third party certification stamp of fire–resistance characteristics, including ITC, UL, and ULC as applicable.

3. Product Delivery, Storage, and Handling:
   - A. Wrap, carton, and crate as required to provide physical and climatic protection during loading, shipping and job site storage and handling.
   - B. Deliver packaged materials to the project site in the manufacturer original, unopened containers which bear intact, legible and visible labels that identify the manufacturer's name and brand name, the contents, grade and type.
   - C. Upon delivery, immediately inspect shipments to assure their compliance with the requirements of the Contract Documents and approved submittals, and that products are complete, undamaged and adequately protected. Immediately report damaged, missing, or defective items. Remove broken, damaged or unlabeled items from the site immediately.
   - D. Store products in accordance with manufacturer's instructions with seals and labels intact, legible, and visible. Store products in a manner to prevent damage, soiling, theft, deterioration and contamination. Marred surfaces, cracked, checked split or warped materials will be rejected. Store materials subject to damage by climatic conditions in weather tight enclosures. Maintain temperature and humidity within the ranges required or recommended by the manufacturer.
   - E. Repair or clean items that have been damaged or soiled that can be restored to an "as new" condition at no cost to the Owner. The owner's Representative shall be the judge of the effectiveness of remedial measures.

3. Job Site Conditions:
   - A. Environmental Conditions: Apply adhesives and joint finishing compounds only under conditions conducive to a fault–free installation and only when the ambient temperature is above 55 degF. After adhesives and compounds have been installed, provide a circulation of air with exhaust to the exterior, while the adhesives and compounds are drying, including areas above the suspended ceilings.
   - B. Protection: Protect other adjacent in–place finished construction during the execution of this work to prevent damage to such finished construction; repair all damage. Immediately remove adhesive and joint finishing compound droppings from in–place finished construction, so as not to mar or damage such finished construction.
   - C. Sequencing, Scheduling: Cooperate in the sequence of thermal and acoustic insulation installation and setting of mechanical, electrical and other items in or behind gypsum board surfaces. Do not commence work that would conceal items or materials in–place that require inspection until such has been inspected and approved.
   - D. Verification of Work by Others: Examine all surfaces affected by this specification section before starting work. Notify the Owner's Representative, in writing, of any surfaces that are not square, plumb, level and true, or that are not secure and firm. Do not proceed with work on any portions so reported until necessary corrections have been made. Any subsequent claim of the inability to carry out the contract, due to the negligence of other Contractors in the execution of their work or their failure to properly execute their work, shall be held invalid.

4. Products:
   - A. Regular Gypsum Board: Complying with ASTM C 36/C 36M or ASTM C 1396/C 1396M, as applicable to type of gypsum board indicated and whichever is more stringent. 1/2" thick unless otherwise noted within the construction documents.
     - a. Configuration: 48" inches (1219 mm) wide by 144" with tapered edges for horizontal application.
   - B. Regular Gypsum Ceiling Board: Complying with ASTM C 36/C 36M or ASTM C 1396/C 1396M, as applicable to type of gypsum board indicated and whichever is more stringent. 5/8" Thick.
     - a. Configuration: 48" inches (1219 mm) wide by 144" with tapered edges.
   - C. Type "X" Fire Rated Gypsum Board: Complying with ASTM C 36/C 36M or ASTM C 1396/C 1396M, as applicable to type of gypsum board indicated and whichever is more Stringent. 5/8" Thick.
     - a. Configuration: 48" inches (1219 mm) wide by 144" with tapered edges for horizontal application.
   - D. Moisture Resistant Gypsum Board: Complying with ASTM C 630. 1/2" unless otherwise noted within the construction doucments.
     - a. Configuration: 48" inches (1219 mm) wide by 144" with tapered edges for horizontal application.
   - E. Glass Mat Tile Backer Board: Glass–Mat, Water–Resistant Backing Board Complying with ASTM C 1178/C 1178M. 1/2" thick. Glass facers on both sides. Water absorption less than 10 percent per ASTM C473.
     - a. Configuration: 48" wide by length required with square edges for horizontal application.
   - F. Joint Treatment: Joint Compound and Joint Tape: Products of a single manufacturer, as manufactured or recommended by the gypsum board manufacturer for the particular type of gypsum board used, and per ASTM C475.
   - G. Adhesive: For laminating gypsum board work, or for adhering to concrete or masonry substrate, provide adhesive or laminating compound as recommended by the gypsum board manufacturer.
   - H. Metal Accessories: Furnish all members per ASTM C1047, of proper depth required for total gypsum board thickness specified.
     1. Casing Beads shall be galvanized steel, minimum No. 26 gage, square angle or channel nose, with perforated wall flange requiring filling compound.
     2. Corner Bead shall be galvanized steel, minimum 26 gage, perforated wing type requiring filling compound.
     3. Control Joints shall be zinc V–type with perforated wings requiring filling compound.
   - I. Fastfeners: Screws shall be ASTM C1002, Type S for .25 gage steel studs and Type S–12 for 20 gage or heavier steel studs, bugle–head screws with self–drilling point, self–tapping thread; not less than 1 inch long for single layer application and not less than 1–5/8 inch long for double layer. Use same length screws as used to achieve fire–resistant ratings, for such work. Use corrosion–resistant treated screws for cement backer board.
   - J. Spray Texture: Where indicated within the construction documents shall be non–aggregated, non–asbestos powder producing a "Knock Down" textures on drywall or other interior surfaces.
   - K. Waterproofing Membrane: Use Laticrete 9235 under tile and up walls in can wash and dishwash area and all areas indicated within the construction document listed as wet areas and as indicated on Floor Finish Plan. Install as per manufacturer recommendations.

SECTION 09250 – GYPSUM DRYWALL (continued)

5. Installation:
   - A. EXAMINATION: Examine areas and substrates, with Installer present, and including welded hollow–metal frames and framing, for compliance with requirements and other conditions affecting performance. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged. Proceed with installation only after unsatisfactory conditions have been corrected.
   - B. APPLYING AND FINISHING PANELS: Comply with ASTM C 840. Install ceiling panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member. Install panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place. Locate edge and end joints over supports, except in ceiling applications where intermediate supports or gypsum board back–blocking is provided behind end joints. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings. Form control and expansion joints with space between edges of adjoining gypsum panels. Cover both faces of support framing with gypsum panels in concealed spaces (above ceilings, etc.), except in chases braced internally. Unless concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. in area. Fit gypsum panels around ducts, pipes, and conduits. Where partitions intersect structural members projecting below underside of floor/roof slabs and decks, cut gypsum panels to fit profile formed by structural members; allow 1/4– to 3/8–inch– wide joints to install sealant. Isolate perimeter of gypsum board applied to non–load–bearing partitions at structural abutments, except floors. Provide 1/4– to 1/2–inch– wide spaces at these locations, and trim edges with edge trim where edges of panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant. Attachment to At steel Framing attach panels so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.
   - C. APPLYING TILE BACKING PANELS: Glass–Mat, Water–Resistant Backing Panel: Comply with manufacturer's written installation instructions and install at locations indicated to receive tile. Install with 1/4–inch gap where panels abut other construction or penetrations. Where tile backing panels abut other types of panels in same plane, trim surfaces to produce a uniform plane across panel surfaces.
   - D. INSTALLING TRIM ACCESSORIES: In general, for trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions. Install control joints according to ASTM C 840 and in specific locations approved by Architect for visual effect.
   - E. FINISHING GYPSUM BOARD: Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces. Prefill open joints and damaged surface areas. Apply joint tape over gypsum board joints, except those with trim having flanges not intended for tape. Gypsum Board
     1. Finish Levels: Finish panels to levels indicated below:
        - a. Level 1: Ceiling plenum areas, concealed areas, and where indicated.
        - b. Level 4: At panel surfaces that will be exposed to view, unless otherwise indicated. Primer and its application to surfaces are specified in other Division 9 Sections.
        - c. Glass–Mat, Water–Resistant Backing Panels: Finish according to manufacturer's written instructions.
   - F. APPLYING TEXTURE FINISHES: Prepare and apply primer to gypsum panels and other surfaces receiving texture finishes. Apply primer to surfaces that are clean, dry, and smooth. Mix and apply finish using powered spray equipment to produce a uniform texture free of starved spots or other evidence of thin application or of application patterns. Prevent texture finishes from coming into contact with surfaces not indicated to receive texture finish by covering them with masking agents, polyethylene film, or other means. If, despite these precautions, texture finishes contact these surfaces, immediately remove droppings and overspray to prevent damage according to texture–finish manufacturer's written recommendations.
   - G. PROTECTION: Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period. Remove and replace panels that are wet, moisture damaged, and mold damaged. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

SECTION 09300 – TILE

1. The work required by this section consists of, but is not limited to the following:
   - A. ColorBody Porcelain Tile.
   - B. Glazed Porcelain.
   - C. Floor and Wall Tile.
   - D. Wall Tile.

2. Performance Requirements: Static Coefficient of Friction: Tile on walkway surfaces shall meet or exceed the following values as determined by testing in conformance with ASTM C 1028:
   - A. Level Surfaces: Minimum of 0.6 (Wet).
   - B. Step Treads: Minimum of 0.6 (Wet).
   - B. Ramp Surfaces: Minimum of 0.8 (Wet).

3. Quality Assurance:
   - A. Installer Qualifications: Company specializing in performing the work of this section with minimum two years experience.
   - B. Single Source Responsibility: Obtain each type and color of tile from a single source. Obtain each type and color of mortar, adhesive and grout from the same source.
   - C. General: Provide tile that complies with ANSI A137.1 where applicable for types, compositions and other characteristics indicated. Provide tile in the locations and of the types colors and pattern indicated on the Drawings.
     1. Factory Blending: For tile exhibiting color variations within the ranges selected under Submittal of samples, blend tile in the factory and package so tile taken from one package shows the same range of colors as those taken from other packages.
     2. Mounting: For factory mounted tile, provide back or edge mounted tile assemblies as standard with the manufacturer, unless otherwise specified.
     3. Factory Applied Temporary Protective Coatings: Where indicated under tile type, protect exposed surfaces of tile against adherence of mortar and grout by precoating with a continuous film of petroleum paraffin wax applied hot. Do not coat unexposed tile surfaces.
   - D. Delivery, Storage, and Handling: Deliver and store products in manufacturer's unopened packaging until ready for installation. Protect setting materials from freezing or overheating in accordance with manufacturer's instructions. Store tile and setting materials on elevated platforms, under cover and in a dry location and protect from contamination, dampness, freezing or overheating.

4. Environmental Requirements: Do not install adhesives in an unventilated environment. Maintain ambient and substrate temperature of 50 degrees F (10 degrees C) during tiling and for a minimum of 7 days after completion.

5. Extra Materials: Provide for Owner's use a minimum of 2 percent of the primary sizes and colors of tile specified, boxed and clearly labeled.

6. Products:
   - A. Manufactures: Ceramic wall tile, floor tile, and base shall be as indicated on the Room Finish Schedule and Tiled Wall Elevations. Design and manufacturers are listed within the finish schedule of the construction documents. Request for substitutes shall be considered. Supporting technical literature, samples drawings and performance data must be submitted to the Owner a minimum of ten (10) days prior to bid in order to make a valid comparison of the product involved.
   - B. Tile Setting Materials: Tile Setting Materials: Comply with ANSI A108/A118/A136.1 as applicable to the installation methods referenced in this Section.
     - B.A. Silicone Sealant: Silicone sealant, moisture and mildew resistant type, white; use for shower floors and shower walls.
     - B.B. Patching and Leveling Compound: As recommended by tile manufacturer and compatible with both substrate and setting materials.

7. Materials:
   - A: Ceramic Tile T–01:
     - Ceramic Technics LTD: Ravenna Stone Surfaces – Color – Charcoal.
     - Size: 12"x24" Rectified
     - Finish: Sand–Blasted
     - Thickness: 10mm
   - B: Ceramic Tile T–02:
     - Ceramic Technics LTD: Ravenna Stone Surfaces – Color – Charcoal.
     - Sizes: 12"x24" Rectified
     - Finish: Natural
     - Thickness: 10mm

SECTION 09300 – TILE (continued)

   - C: Ceramic Tile T–03:
     - Royal Mosa: "More than White" – Color – White 48014 (16 tile set)
     - Sizes: 4"x24", 6"x24", & 8"x24"
     - Finish: Gloss
     - Thickness: 15/32"
   - D: Porcelain Tile T–04:
     - Ceramic Technics LTD: Studio Elements Basic – Warm Gray
     - Sizes: 4"x16"
     - Finish: Gloss
     - Thickness: 10mm

7. Installation: General: Comply with ANSI A108/A118/A136.1 and manufacturer's recommendations. Comply with applicable TCA Handbook for Tile installation requirements as listed below. Determine locations of control and expansion joints before starting tile work. Layout tile work to minimize cuts less than one–half tile in size.

8. Cleaning and Protection: Cleaning: Clean tile within time period recommended by manufacturer, using materials recommended by manufacturer. Prohibit foot and wheeled traffic from floors for a minimum of 3 days. Where traffic is unavoidable, provide large flat boards in walkways and wheelways for a minimum of 7 days after installation. Protect from construction dirt and debris with heavy–duty, non–staining construction paper, masked in place.

SECTION 09510 – ACOUSTICAL CEILINGS

1. The work required by this section consists of, but is not limited to the following:
   - A. Acoustical Lay In Ceiling Panels.

2. Performance Requirements: Surface–Burning Characteristics: Acoustical panels complying with ASTM E 1264 for Class A products specified, when tested per ASTM E 84

3. Quality Assurance:
   - A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
   - B. Installer Qualifications: Company specializing in performing Work of this section with minimum three years documented experience.

4. Delivery, Storage, and Handling: Delivery: Deliver material in the manufacturer's original, unopened, undamaged containers with identification labels intact. Provide labels indicating brand name, source of procurement, style, size and thickness. Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer. Handle materials to avoid damage. Protect system components from excessive moisture in shipment, storage, and handling.

5. Sequencing: Sequence Work to ensure acoustic ceilings are not installed until building is enclosed, sufficient heat is provided, dust–generating activities have terminated, and overhead work is completed, tested, and approved. Install acoustic units after interior wet work is dry. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

6. Project Conditions: Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

7. Extra Materials: Deliver extra acoustical units for Owner's use in maintenance. Label and store where directed by the Owner including codes used on the Drawings. Do not deliver to the Project site until the Owner is prepared to receive and store maintenance materials. Tile: Furnish 5 percent of total acoustic unit area of extra tile to Owner.

8. Products:
   - A. Manufactures: Acoustical ceiling tile shall be as indicated on the Room Finish Schedule of the construction documents. Request for substitutes shall be considered. Supporting technical literature, samples drawings and performance data must be submitted to the Owner a minimum of ten (10) days prior to bid in order to make a valid comparison of the product involved.

8. Installation:
   - A. Examination: Do not begin installation until substrates have been properly prepared. Verify acoustical unit layout conditions, which will adversely affect installation. If layout or substrate preparation is the responsibility of another installer, notify Owner of unsatisfactory preparation before proceeding. Verify wet work such as plastering and concrete is complete and dry. Verify building is enclosed and under standard occupancy conditions prior to start of installation. Commencement of installation constitutes Installer's acceptance of substrate conditions.
   - B. Preparation: Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   - C. Installation: Install in accordance with manufacturer's instructions. Fit acoustic units in place, free from damaged edges or other defects detrimental to appearance and function. Lay directional patterned units to pattern directed by the Architect. Fit border trim neatly against abutting surfaces. Install units after above ceiling work is complete. Install acoustic units level, in uniform plane, and free from twist, warp, and dents. Cut tiles to fit irregular grid and perimeter edge trim. Double cut and field paint exposed edges of units.
   - D. Protection: Protect installed products until completion of project. Clean adjacent surfaces and remove unused materials and debris from site. Clean exposed surfaces in accordance with manufacturer's written instructions. Remove and reinstall improperly installed material. Remove damaged components, replace with undamaged components. Touch–up, repair or replace damaged units until satisfactory results are obtained. Clean with non–solvent based non–abrasive commercial cleaning solution. Touch–up, repair or replace damaged products before Substantial Completion.

SECTION 09540 – FIBERGLASS REINFORCED POLYESTER BOARD (FRP)

1. The work required by this section consists of, but is not limited to the following:
   - A. Fiberglass Reinforced Polyester Board Panels.

2. Performance Requirements: Conform to building code requirements for interior finish for smoke and flame spread requirements as tested in accordance with ASTM E 84 (Method of test for surface burning characteristics of building Materials. Wall Required Rating – Class A.

3. Sanitary Standards: System components and finishes to comply with United States Department of Agriculture (USDA) requirements for food preparation facilities, incidental contact. Food and Drug Administration (FDA) 1999 Food Code 6–101.11.

4. Quality Assurance:
   - A. Installer Qualifications: Company specializing in performing the work of this section with minimum two years experience.
   - B. Single Source Responsibility: Obtain each type and color of panels from a single source.

5. Delivery, Storage and Handling: Deliver materials factory packaged on strong pallets. Store panels and trim lying flat, under cover and protected from the elements. Allow panels to acclimate to room temperature (range of 60 to 75°F) for 48 hours prior to installation.

6. Project Conditions:
   - A. Environmental Limitations: Building are to be fully enclosed prior to installation with sufficient heat (70°) and ventilation consistent with good working conditions for finish work.
   - B. During installation and for not less than 48 hours before, maintain an ambient temperature and relative humidity within limits required by type of adhesive used and recommendation of adhesive manufacturer. Provide ventilation to disperse fumes during application of adhesive as recommended by the adhesive manufacturer.

7. Warranty: All FRP panels shall be guaranteed for one years against failure due to materials and workmanship, including warp, separation, or delamination.

8. Products: Equal to Marlite Standard Class "A" – Color P145 Silver
   - A. Fiberglass reinforced thermosetting polyester resin panel sheets complying with ASTM D 5319.
     1. Coating: Multi–layer print, primer and finish coats or applied over–layer.
     2. Dimensions:
        - a. Thickness – 0.090" (2.29mm) nominal.
        - b. Width – 4'–0" (1.22m) nominal.
        - c. Length – As indicated on the drawings.

SECTION 09540 – FIBERGLASS REINFORCED POLYESTER BOARD (FRP) (continued)

   3. Tolerance:
      - a. Length and Width: +/–1/8" (3.175mm)
      - b. Square – Not to exceed 1/8" for 8 foot (2.4m) panels or 5/32" (3.96mm) for 10 foot (2.4m) panels
   4. Properties: Resistant to rot, corrosion, staining, denting, peeling, and splintering.
      - a. Flexural Strength – 1.0 x 104 psi per ASTM D 790. (7.0 kilogram–force/square millimeter)
      - b. Flexural Modulus – 3.1 x 105 psi per ASTM D 790. (217.9 kilogram–force/square millimeter)
      - c. Tensile Strength – 7.0 x 103 psi per ASTM D 638. (4.9 kilogram–force/square millimeter)
      - d. Tensile Modulus – 1.6 x 105 psi per ASTM D 638. (112.5 kilogram–force/square millimeter)
      - e. Water Absorption – 0.72% per ASTM D 570.
      - f. Barcol Hardness (scratch resistance) of 35 55 as per ASTM D 2583.
      - g. Izod Impact Strength of 72 ft. lbs./in ASTM D 256
   5. Back Surface: Smooth. Imperfections which do not affect functional properties are not cause for rejection.
   6. Front Finish: Pebbled.

   B. Moldings:
   1. PVC Trim: Thin–wall semi–rigid extruded PVC in full length of wall panel.
   2. Color: To match wall panels.

   C. Accessories:
   1. Fasteners: Non–staining nylon drive rivets.
      - a. Match panel colors.
      - b. Length to suit project conditions.
   D. Adhesive: Either of the following construction adhesives complying with ASTM C 557.
   1. Water–resistant, non–flammable adhesive.
   2. Flexible, water–resistant, solvent based adhesive, formulated for fast, easy application.
   C. Sealant:
   1. Clear Silicone Sealant.

9. Installation: Comply with manufacturer's recommended procedures and installation sequence. Cut sheets to meet supports allowing 1/8", (3 mm) clearance for every 8 foot (2.4m) of panel. Cut and drill with carbide tipped saw blades or drill bits, or cut with shears. Pre–drill fastener holes 1/8? (3mm) oversize with high speed drill bit. Space at 8", (200mm) maximum on center at perimeter, approximately 1" from panel edge. Space at in field in rows 16' (40.64cm) on center, with fasteners spaced at 12 (30.48 cm) maximum on center. Apply panels to board substrate, above base, vertically oriented with seams plumb and pattern aligned with adjoining panels. Install panels with manufacturer's recommended gap for panel field and corner joints. Adhesive trowel and application method to conform to adhesive manufacturer's recommendations. Apply panel moldings to all panel edges using silicone sealant providing for required clearances. All moldings must provide for a minimum 1/8", (3mm) of panel expansion at joints and edges, to insure proper installation. Apply sealant to all moldings, channels and joints between the system and different materials to assure watertight installation.

10. Cleaning: Remove excess sealant from panels and moldings. Wipe panel down using a damp cloth and mild soap solution or cleaner. Refer to manufacturer's specific cleaning recommendations Do not use abrasive cleaners.

SECTION 09680 – CARPET

1. The work required by this section consists of, but is not limited to the following:
   - A. Carpet flooring as shown on the drawings and schedules and as indicated by the requirements of this section.
   - B. Resilient Wall Base.
   - C. Adhesives.
   - D. Accessories.

2. Quality Assurance:
   - A. Manufactures Qualifications: Carpet manufacturer shall have no less than 5 years experience of producing broadloom and tile carpet and shall have published product literature clearly indicating compliance with requirements of this section.
   - B. Installer Qualifications: Company specializing in performing the work of this section with minimum two years experience.
   - C. Single Source Responsibility: Obtain each type and color of carpet from a single source. Obtain each type and color of accessories and adhesives from the same source.
   - D. General: Provide flooring material to meet the following test performance criteria as tested by a recognized independent testing laboratory. Requirements listed below must be met by all products being submitted for approval:
     1. Pill Test / DOC–FF–1–70 (ASTM D–2589) – Requirement: Pass.
     2. Flooring Radiant Panel / ASTM E–648 – Requirement: Class I (Above .45 w/cm).
     3. Low VOC Chamber Test/Indoor Air Quality test (CRI–IAQ) Green Label Plus Test.
     4. Lightfastness: Rating of not less than 5 on International Grey Scale after 40 SFU's when tested in accordance with AATCC Test Method 16E.
     5. Crockfastness: Minimum stain rating on International Grey Scale of not less than 5 wet or dry when tested in accordance with AATCC Test Method 165.
     6. Atmospheric Fading: Burned Gas shall not be less than 5 on International Grey Scale after two cycles on each test as per AATCC Test Method 129 Ozone and AATCC Test Method 23.

3. Delivery, Storage, and Handling: Deliver and store products in manufacturer's unopened packaging until ready for installation. Protect adhesive materials from freezing or overheating in accordance with manufacturer's instructions. Store tile and setting materials on elevated platforms, under cover and in a dry location and protect from contamination, dampness, freezing or overheating.

4. Warranty: Flooring contractor to provide owner a written warranty that guarantees the completed installation to be free from defects in materials and workmanship for a period of no less than two (2) years after job completion. All warranties must be issued by the manufacturer as standard published warranties on all types of carpet within this document. Second source warranties that involve parties other than the carpet manufacturer are unacceptable. If the product fails to perform as warranted when installed according to the manufactures carpet installation handbook and maintained according to the maintenance instructions, the affected area will be repaired or replaced at the expense of the manufacturer. The carpet manufacturer will provide standard published written performance warranties for the following:
   - A. Lifetime warranty against excessive surface wear. Excessive wear means no more than 10% loss of pile fiber weight measured before and after use as tested under ASTM D–3936.
   - B. Lifetime static protection, meaning built–in protection below 3.0 kv as tested under AATCC–134.
   - C. Tuft Bind edge ravel, yarn pulls, zippering.
   - D. Delamination.
   - E. Lifetime Moisture Barrier.
   - F. Lifetime Dimensional Stability.

5. Environmental Requirements:
   - A. Sub–floor preparation is to include all required work to prepare the existing floor for installation of the product as specified in this document. Sub–floor preparation shall meet all conditions as specified in the manufactures installation handbook instructions.
   - B. Sub–floor preparation will include, as required, the removal and repair of the existing floor surface.
   - C. All materials, including adhesives, are to be delivered to the site of installation at a minimum of 48 hours prior to the start of installation and stored in a clean and dry room that measures above 65°F and below 95°F and measures between 10% and 65% relative humidity (RH). To maintain temperature and relative humidity, permanent heating and air conditioning systems (HVAC) must be in operation. Stack rolls horizontally and no higher than two rolls high on a flat surface. After work is completed, the ambient room temperature should remain at 65°F and relative humidity between 10% and 65% for 48 hours. These materials and related adhesives shall be protected from the direct flow of heat from heating fixtures and appliances such as hot–air registers, radiators, or other. Site conditions shall include those specified in the carpet manufacturer' installation manual and shall also include sufficient heat, light, and power required for effective and efficient working condition.
   - D. Once the temperature and relative humidity in area for installation have been stabilized, loose lay the carpet within the installation area and allow it to precondition for 48 hours prior to installation. Carpet installation shall not commence until painting and finishing work is complete and ceiling and overhead work is tested, approved, and completed. Traffic shall be closed during the installation of the flooring products. Verify concrete slabs are dry per the standards for bond and moisture tests listed in the manufacturer's installation manual.
   - E. Do not install adhesives in an unventilated environment.

6. Extra Materials: Provide for Owner's use a minimum of 2 percent of the primary sizes and colors of the carpet tile specified, boxed and clearly labeled.

7. Products General:
   - A. Manufactures: Broadloom carpet, carpet tile, and resilient base shall be as indicated on the Room Finish Schedule and Finish Plans. Design and manufacturers are listed within the finish schedule of the construction documents. Request for substitutes shall be considered. Supporting technical literature, samples drawings and performance data must be submitted to the Owner a minimum of ten (10) days prior to bid in order to make a valid comparison of the product involved.

SECTION 09680 – CARPET (continued)

8. Materials:
   - A. Carpet – Type C–01: Not Used
   - B. Carpet Tile – Type C–02:
     1. Product: Custom Carpet #984–488484–002–05 as manufactured by J & J Flooring Group.
     2. Custom carpet provided by "Coastal Equipment Manufacture" Contact: Tim Baucom 919–412–2180 timbaucom@jjflooringgroup.com
     3. Carpet provided by "Coastal Equipment Manufacture" but installed by the General Contractor.
   - C. Carpet Tile – C–03:
     1. Product: Walk–off Modular Needle Punched Successions II 54695 as manufactured by Shaw.
     2. Color: Selected from manufactures full color range.
     3. Construction: Needle Punched.
     4. Backing: Synthetic ExoWorx Tile.
     5. Dye Method: Solution Dyed.
     6. Fiber Type: Hi VU Polypropylene.
     7. Face Weight: 43 oz./sy.
     8. Pile Density: N/A.
     9. Gauge: N/A.
     10. Stitches: N/A.
     11. Pattern Repeat: N/A.
     12. Soil Release: Yes.
     13. Stain Resistance: Yes.
     14. Bleach Resistance: Yes.
     15. Optional Treatments: Yes.
     16. Standard Size: 24" x 24" (approx. (60.96cm x 60.96 cm).
     17. Warranties: Lifetime Fiber Performance for Wear, Lifetime for Tuft Bind Strength (edge ravel, yarn pulls, zippering), Lifetime Protection from Delamination Failure, Lifetime Fiber Performance for Static, Lifetime Colorfastness to Atmospheric Contaminants, Lifetime Stain Removal
   - D. Resilient Wall Base:
     1. Product: Johnsonite Millwork Equinox Profile.
        - a. Straight.
        - b. Color: 32 – "Pebble".
        - c. Height: 4 1/2"
        - d. Length: 8' for all 3/8" thick wall base
        - e. Thickness: 3/8".
   - E. Adhesives: A high strength latex–based carpet adhesive designed for all commercial carpet backing with the exception of vinyl backed carpet, PVC, tile or sheet vinyl.
   - F. Accessories: Provide transition/reducing strips tapered to meet abutting materials as indicated in the drawings.

9. Installation General: Install flooring in strict accordance with the finish drawings, manufacturer's instructions, and CRI Carpet Installation Standard. Install carpet tile in accordance with manufacturer's instructions and CRI 104.

10. Installation Carpet Tile:
   - A. Flooring requires a full spread adhesive system for installation of Modular carpet tile. Fully spread a Premium Modular Pressure Sensitive Adhesive using a 1/32 x 1/16 x 1/16 ?U? or ?V? notch trowel or spread using a 3/8? foam paint roller. Keep the roller saturated and wet with adhesive throughout the installation in order to maintain a constant spread rate. Allow to completely dry so adhesive does not transfer when touched. The spread rate for Commercialon Premium Modular Adhesive is approximately 140 sq. yds. per four gallon bucket. Modular Spray Adhesive is available in a 14 lbs cylinder and coverage is approx. 165 sq yds. Note: Inadequate amounts of adhesive can cause modules to shift and move and will not be covered under warranty.
   - B. Tile Placement: Arrows are embossed or printed on the module backing to show pile direction. To ensure proper alignment, check spacing every ten modules. Measure ten modules; proper spacing should be within ¼ inch. Continue to check spacing every ten modules throughout the entire installation.
   - C. Palet and Bundle Sequencing – It is very important to install modules in the order they were manufactured; this is easily accomplished by selecting pallets in sequential order and following the numbers located on each bundle. Typically, an installation will begin with the lowest bundle numbers and progress through the highest numbers until the project is complete. Installing modules by bundle sequence will assure the most even uniform look possible.

11. Cleaning and Protection: Remove excess adhesive without damage, from floor, base, and wall surfaces. Clean and vacuum carpet surfaces. Carpet modules with loop pile constructions may experience yarn blossoming at the edges, which is consistent with this type of construction. Clipping or shearing the yarn edges can remedy this condition.

SECTION 09705 – SILIKAL FLOORING

1. Work Included:
   - A. Work described in this section includes surface preparation and installation of Silikal reactive industrial floor system.
   - B. See drawings for locations and quantities.

2. System Description:
   - A. 3/16" – 1/4" thick troweled surfacing composite of 100% reactive binder resin and colored quartz aggregate with specified primer and topcoat.
   - B. All resins must be manufactured and tested under ISO 9001 registered quality system and ISO 14001 ecology management system.

3. Quality Assurance:
   - A. Applicator Qualifications:
     1. Only approved applicators, licensed by manufacturer shall be considered for qualification. In no case will permit the application by untrained, non–approved Contractor sub–contractor or their personnel.
   - B. Acceptance Sample
     1. Representative sample of the specified flooring system shall before submitting their bids.
     2. The installed flooring system shall be similar to the acceptance sample in thickness of respective film layers, color, texture, overall appearance and finish.

4. Reference Standards: United State Department of Agriculture (USDA) and foodstuffs.

5. Submittals:
   - A. Acceptance Sample: As required by owner, one foot square (1 ft. by 1 ft.) sample of the specified acrylic flooring system applied to hardboard or similar backing for rigidity and ease of handling.
   - B. Manufacturer's Literature: Descriptive data and specific recommended for surface preparation, mixing, and application of materials.
   - C. Manufacturer's Material Safety Data Sheets (MSDS) for each respective product to be used.
   - D. Cleaning and Maintenance instructions.

6. Delivery, Storage, And Handling:
   - A. All material shall be delivered in original Manufacturer's sealed containers with all pertinent labels intact and legible.
   - B. Store materials in dry protected area between 25 degrees and 80 degrees Fahrenheit. Keep out of direct sunlight. Protect from open flame; keep all containers grounded.
   - C. Follow all Manufacturer's specific label instructions and prudent safety practices for storage and handling.

7. Project/Site Conditions:
   - A. Materials, air, and surface temperatures shall be in the range of 32 degrees to 85 degrees Fahrenheit during application and cure, unless a special formulation is being used and manufacturer has been consulted.
   - B. Relative humidity in the specific location of the application shall least 5 degrees above the dew point.
   - C. Conditions required of new concrete to be coated.
     1. Concrete shall be moisture cured for a minimum of 7 days at a minimum of 28 days prior to application of the coating system pending moisture testing.
     2. Surface contaminants such as curing agents, membranes, or other bond breakers should not be used.
     3. Concrete shall have a "rubbed" finish; float or darby finish the concrete (a hard steel trowel is neither necessary nor desirable) to the finished grade of the topping.
   - D. Concrete shall have a moisture emission rate of no more than 5lbs. per 1000 sp. ft. per 24 hour period as determined by proper Calcium Chloride Testing. Concrete R/H must be 85% by (Food and Drug Administration (FDA) authorization) for incidental contact with protimeter. Readings greater than 5 by the Calcium Chloride method or 85% by protimeter, may required a preliminary treatment with Silikal RE40.
   - E. Vapor Barriers and/or suitable means shall have been installed beneath grade slabs to prevent vapor transmission. Consult technical dept.

LMHT Project No. 23104.00

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11/10/23

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SECTION 09705 – SILIKAL FLOORING (continued)

8. Warranty: Manufacturer warrants that materials shipped to buyers are at the time of shipment substantially free from material defects and will perform substantially according to published literature if used strictly in accordance with prescribed procedures and prior to expiration date.

9. Materials:
A. Silikal 61 CD Decorative Quartz Flooring
1. Moisture Vapor Treatment (if required) Silikal RE40
2. Saturating Primer/Silikal Coat: Silikal R41 with Additive I
3. Patching/Sloping (if required) Silikal R17 Polymer Concrete
4. Coving (if required) Silikal HK20 with Silikal filler CQ
5. Topping: Silikal R61 Quartz, consisting of Silikal R61 resin and Silikal Filler
6. Topcoat(s): Silikal R81 Colorless Silikal Topcoat Resin.
7. Silikal CQ for broadcasting: Color Quartz Blend #4.
8. Aluminium Oxide (if required)

10. Prepwork inspection: Examine all surfaces to be coated with flooring material systems and report to the Owner and/or Engineer any conditions that will adversely affect the appearance or performance of these coating systems and that cannot be put into acceptable condition by the preparatory work. Do not proceed with application until the surface is acceptable or authorization to proceed is given by the Manufacturer's representative.

11. Surface Preparation: Concrete substrate must be clean and dry. Dislodge dirt, mortar spatter, paint overspread, and other dry surface accumulations and contamination by scraping, brushing, sweeping, vacuuming, and/or compressed air blowndown, to the acceptance of manufacturer.

12. Installation:
A. Application of Silikal 61 CQ flooring system consists of:
1. applying moisture vapor treatment (if required)
2. applying the primer,
3. applying coving (if required)
4. performing patching and sloping with polymer concrete (if required),
5. re-priming polymer concrete areas
6. applying the topping, broadcasting the quartz
7. applying the topcoat(s) Time for curing (45–60 minutes) shall be allowed each coat.
B. Installation shall be by manufacturers written requirements and procedures.

13. Cleaning: Applicator shall remove any material spatters and other material that is not where it should be. Remove masking and covers taking care not to contaminate surrounding area. Applicator shall repair any damage that should arise from either the application or clean-up effort.

SECTION 09720 – WALL COVERINGS

1. Section Includes: The work of this section shall include all labor, material, equipment accessories and services required and necessary to furnish and install all wallcovering and related items as indicated or specified.

2. Quality Assurance:

A. Basis–of–Design Manufacturer: All wall coverings are a custom pattern. This material is to be supplied by Coastal Equipment Co. and installed by the General Contractor.

B. Manufacture Qualifications: Approved manufacturer listed in this section, with minimum 10 years experience in the manufacture of vinyl wall coverings compartments.

C. Installers Qualifications: Experienced Installer regularly engaged in installation of vinyl wall covering for minimum 3 years.

3. Delivery, Storage, and Handling: Do not deliver wall covering to site until building is enclosed and HVAC systems are in operation. Deliver toilet compartments in manufacturer's original packaging. Store in an upright condition.

4. Warranty: Provide manufacturer's standard form in which manufacturer agrees to repair or replace products that fail in materials or workmanship during the following period after substantial completion:

A. Provide a manufactures standard two year warranty against faulty materials or workmanship, or both, and against failure of wall covering, except where such failure is due to abuse or failure of related work installed by other parties. During the warranty period, restore defective work to the standard of the Contract Documents, including all materials, labor, refinishing and other costs incidental to the work.

5. Products:

A. Vinyl Wall Covering.
1. Wall covering color, type and finish shall be as specified herein and indicated within the construction documents. Vinyl wallcovering shall be pigmented vinyl plastic and plasticizers fused or laminated to dimensionally stable and mildew resistant woven poly/cotton backing, 48 inches to 54 inches in width.

B. Adhesives.
1. Adhesive shall be fire retardant type containing an antimicrobial product to inhibit the growth of deleterious and/or odor causing organisms. Use only adhesives acceptable to fabric manufacturer.

8. Installation:

A. General: Examine surfaces to receive materials of this section. Defects which may influence satisfactory completion and performance of this work shall be corrected in accordance with the requirements of the applicable section of work prior to commencement of the work. Commencement will be construed as work in place being acceptable for satisfying the requirements of this section. Protect the work and adjacent work against damage during progress of work. If further construction work adjacent to the finished wallcovering is necessary, protect wallcovering with suitable materials as recommended by the Wallcovering Manufacturer.

B. Surface Preparation: Surfaces to received wall covering shall meet the minimum requirements of the Wall covering Manufacturer and shall be clean, dry, thoroughly cured and free from materials detrimental to the required bond or materials which will bleed through the wall covering. Prime or size plaster surfaces as recommended by the Wall covering Manufacturer. Neutralize hot areas in plaster. Prime gypsum wallboard with one coat of vinyl sealer. Previously painted surfaces shall be in sound condition and shall not contain water–sensitive materials or pigments that bleed in water or oils. Test painted surfaces and treat as recommended by the Wall covering Manufacturer. Work shall not be started until work of other trades that posses through wall covering has been completed. Remove hardware, plates and other accessories to allow installation and replace upon completion of the work.

1. The entire exposed wall surface shall receive wall covering, unless noted otherwise. This includes but is not limited to reveals, terminations and recesses. Wall covering shall be tucked into a framing member when possible. The top of partial height walls shall be fully covered unless noted otherwise. Wall covering shall be underneath all hardware plates and accessories. Trim wall covering material within three inches of the floor.

2. Mix and apply adhesive in accordance with adhesive manufacturer's instructions.

3. Handle and apply fabric wall covering in accordance with manufacturer's instructions and the following:
a. Use fabric panels in exact order as they are cut from rolls. use rolls in consecutive order. Fill in spaces above and below windows, above doors and similar areas in sequence from the roll.
b. Trim deeply textured patterns or patterns on which strips must be matched, on a work table, using a metal straight edge and sharp razor blade.

4. The installed wall covering shall be secure, smooth, clean and without wrinkles, gaps or overlaps. Vertical seams shall be plumb and at least six inches away from any corner. Horizontal seams will not be accepted. Tuck wall covering into flanges of hollow metal frame if possible. If not possible cut wall covering tight against flanges of frame.

9. Final Cleaning: Remove packaging and construction debris and legally dispose of off–site. Clean exposed surfaces with materials and cleansers in accordance with manufacturer's recommendations.

SECTION 09990 – PAINTING

1. The work required by this section consists of, but is not limited to the following:

A. All labor, materials, tools and other equipment, services and supervision required to complete all exterior and interior painting and decorating work as indicated on Finish Schedules and to the full extent of the drawings and specifications.

2. Quality Assurance:

A. Installer Qualifications: Engage an experienced Installer who has completed painting similar in material, design, and extent to that indicated for this project and with a record of successful in–service performance and specializing in performing the work of this section with minimum two years experience.

B. Manufacture: All materials shall be those of current manufacture and shall meet all applicable regulations for the application and intended service. All coats of any particular coating system shall be approved by the manufacturer for the intended service. In the event that a product specified herein is no longer manufactured or does not meet current regulations, the Contractor shall provide a substitute, currently manufactured product of at least equal performance which meets all applicable regulations, subject to the Owners approval, at no additional cost. All materials shall be delivered to the Project Site in their original, unopened containers

C. Single Source Responsibility: Obtain each type and color of products from a single source.

3. Delivery, Storage and Handling: Deliver materials to job in original packages and containers bearing name of manufacturer; covers shall be new and unopened and shall clearly show manufacturer's best–grade certification on each container; store appropriately and provide fire protection. B. When materials are not in use, store in hermetically covered containers. Maintain containers used in storage, mixing and application of paint in a clean condition, free from deleterious materials and residue.

4. Project Conditions: Environmental Limitations:
A. Exterior Painting: Environmental conditions specified herein are minimum parameters. Comply with manufacturer's requirements. Do not apply solvent–thinned paints when the temperature of surfaces to be painted and the surrounding air temperatures are below 50 degrees F and rising unless otherwise permitted by the manufacturer's published instructions. Do not apply paint when the relative humidity exceeds 85 percent; or to damp or wet surfaces, unless otherwise permitted by the manufacturer's published instructions. Do not apply paint when dust is blowing.
B. Interior Painting: Building are to be fully enclosed prior to installation with sufficient heat (70°) and ventilation consistent with good working conditions for finish work. During installation and for not less than 48 hours before, maintain an ambient temperature and relative humidity within limits required by type of products to be used and follow recommendation of the manufacturer. Provide ventilation to disperse fumes during application as recommended by the product manufacturer.

7. Warranty: All coatings and paint shall be guaranteed for one years against failure due to materials and workmanship.

8. Products: All materials used under painting contract shall be by "Benjamin Moore" andshall be delivered to the job site in the original sealed containers. Equal products by "Glidden Paints," "Pittsburg Paints," and "Sherwin Williams" are acceptable substitutes, provided specified colors are matched. Specific color requirements are listed within this specification, on the Door Schedule and Room finish Schedule.

1. Application:

A. Before any work is done, the Contractor will prepare color and texture samples on the job for the Owner's or Franchisee's approval.

B. No exterior paint shall be applied in temperature below 50° F. and all surfaces shall be thoroughly dry prior to application.

C. All metal surfaces shall be solvent cleaned to remove grease and oil and shall have all loose rust and scale removed before painting. New galvanized iron surfaces shall be further cleaned with a strong detergent such as Trisodium Phosphate.

D. Paint one coat on the top and bottom edges of all doors, both metal and wood after doors have been fitted.

E. Items shall be given the number of coats hereinafter specified in addition to any shop coats specified elsewhere.

F. Varnishes and enamels shall be lightly sanded and then dusted before succeeding coat is applied.

G. No interior painting or finishing shall be permitted until the General Contractor so authorizes. Follow the manufacturer's printed recommendations for drying time before succeeding coats may beapplied.

H. All gypsum drywall surfaces shall be primed with Pro Mar 200 white pigmented latex wall primer prior to receiving it's finish, whether wall is to be painted or receive vinyl wall covering.

J. After interior prime coats have been applied, all remaining necessary puttying or spackling of nail holes, cracks, and blemishes shall be completed and reprimed.

3. Paint Schedule – (For all colors see finish schedules on A3, A7, A8, ID–1)

1.1 INTERIOR PAINT SYSTEMS

A. METAL: (Exposed Gas Piping in Kitchen & on Roof, Metal Doors & Frames, Downspouts, Misc. Metals):
1. Alkyd Systems (Water based):
a. Semi–Gloss Finish:
1) 1st Coat: S–W Pro Industrial Pro–Cryl Universal Primer, B66–1310 Series.
2) 2nd Coat: S–W Pro Industrial Waterbased Alkyd Urethane Semi–Gloss, B53–1150 Series.
3) 3rd Coat: S–W Pro Industrial Waterbased Alkyd Urethane Semi–Gloss, B53–1150 Series.

B. WOOD – (Stained Low Wall Caps, Stained Wood Doors, Trim):
1. Stain and Varnish System:
a. Satin Finish:
1) Pre–Stain Conditioner: S–W Minwax Pre–Stain Wood Conditioner
2) Stain Coat: S–W Minwax Performance Oil–Based Penetrating Stain
3) Cleat Coats (2): S–W Minwax Waterbased Oil–Modified Polyurethane Satin

C. DRYWALL – (Walls)
1. Latex Systems:
a. Egg–Shel / Satin Finish:
1) 1st Coat: S–W ProMar 200 Zero VOC Interior Latex Primer, B28W2600 .
2) 2nd Coat: S–W ProMar 200 Zero VOC Latex Eg–Shel, B20–2600 Series.
3) 3rd Coat: S–W ProMar 200 Zero VOC Latex Eg–Shel, B20–2600 Series.

1.2 EXTERIOR PAINT SYSTEMS

A. METAL: (Hollow Metal Doors/Frames, Painted Downspouts, Gutters, Metal Flashings):
1. Latex Systems:
a. Semi–Gloss Finish:
1) 1st Coat: S–W Pro Industrial Pro–Cryl Universal Primer, B66–1310 Series.
2) 2nd Coat: S–W Pro Industrial Waterbased Alkyd Urethane Semi–Gloss, B53–1150 Series.
3) 3rd Coat: S–W Pro Industrial Waterbased Alkyd Urethane Semi–Gloss, B53–1150 Series.

B. WOOD, CEMENTEOUS BOARDS:
1. Latex Systems:
a. Gloss Finish (Exterior Lap Siding, Vertical Siding Panels, Factory Finished Hardie Plank or Trim):
1) Top Coat: S–W A–100 Exterior Latex Gloss, A8 Series.
b. Gloss Finish (Exterior Lap Siding, Vertical Siding Panels, Pre–primed Nichiha Plank or Wood Trim):
1) 2nd Coat: S–W A–100 Exterior Latex Gloss, A8 Series.
2) Top 3rd Coat: S–W A–100 Exterior Latex Gloss, A8 Series.

DIVISION 10 – SPECIALTIES

SECTION 10155 – TOILET ACCESSORIES

1. Miscellaneous hardware, soap dispensers, paper towel dispensers, and toilet tissue dispensers, shall be coordinated with the Owner or Franchisee at each location. These items are furnished by the product supplier, and installed by the General Contractor.

2. Baby changing station to be furnished by the Furnishings and Equipment Contractor and installed by the General Contractor.

3. Other items on Toilet Accessories Schedule on Dwg. A22 shall be provided and installed by General Contractor.

4. See corporate vendor list, Sht. SP7 for contact & address.

SECTION 10211 – TOILET PARTITIONS

1. Section Includes:

A. High Pressure Laminate with Particle Board Substrate.
a. Toilet enclosures.
b. Urinal screens.

2. Quality Assurance:

A. Basis–of–Design Manufacturer: Subject to compliance with requirements, provide products of Marlite; 202 Harger Street, Dover, OH 44622. ASD. Tel: (330) 343–6621. Fax: (330) 343–7296. Email: info@marlite.com www.marlite.com

B. Manufacture Qualifications: Approved manufacturer listed in this section, with minimum 10 years experience in the manufacture of toilet compartments.

C. Installers Qualifications: Experienced Installer regularly engaged in installation of toilet compartments for minimum 3 years.

D. Source Limitations: Obtain toilet compartment components and accessories from single manufacturer.

E. Accessibility Requirements: Comply with requirements of ICC/ANSI 117.1, and with requirements of authorities having jurisdiction.

3. Delivery, Storage, and Handling: Do not deliver toilet compartments to site until building is enclosed and HVAC systems are in operation. Deliver toilet compartments in manufacturer's original packaging. Store in an upright condition.

4. Warranty: Provide manufacturer's standard form in which manufacturer agrees to repair or replace products that fail in materials or workmanship during the following period after substantial completion:

A. Plastic Laminate Toilet Partitions: Manufactures standard 2 year warranty for materials and workmanship.

B. Chrome Hardware: 5 years.

C. Stainless Steel Hardware: Lifetime.

5. Products:

A. Overhead braced.
1. Basis of Design Product: Marlite high pressure laminate.

B. High Pressure Laminate Toilet Partitions, Urinal Screens, Pilasters, and Doors:
1. Standard Height:
a. Cores: MDF core.
b. Surfaces: High–pressure laminated plastic NEMA LDS–1985 minimum thickness 0.050 inch (1.33 mm) with matte finish.
c. Fabrication: Bonded high–pressure plastic laminate to core material with adhesive specially formulated to prevent delamination. Edges bonded prior to bonding face sheets. Splices or joints in faces or edges are not acceptable except in the case of laminate material limitations.
d. Door Panel Height 58 inches.
e. Floor Clearance 12 inches.
f. Thickness: 1 inch.
2. Mounting Configuration:
a. Floor Mounted, overhead braced with satin finish, extruded anodized aluminum headrails, 0.065 inch thick with anti grip profile.
b. Style Height: 85 inches.
c. Thickness: 1 inch.

C. Headrail: Extruded anodized aluminum headrail with anti–grip profile. Provide fasteners for attachment to pilaster and stainless steel brackets to secure to wall.

D. Shoes: 4 inches (102 mm) high minimum, Type 304 stainless steel with No. 4 satin brushed finish. Secured to the floor with tamper–resistant screws.

I. Brackets (Fittings):

a. Stirrup Type: Ear or U–brackets; stainless steel.

6. Hardware, Standard Duty: Manufacturer's standard chrome–plated zamac castings, including corrosion–resistant, tamper–resistant fasteners:

A. Hinges: Self–closing wrap–around gravity–type adjustable to hold doors open at any angle up to 90 degrees, with emergency access by lifting door.

B. Latch and Keeper: Concealed slide latch with flat rubber–faced combination door strike and keeper, with provision for emergency access, meeting requirements for accessibility at accessible compartments.

C. Coat Hook: Combination hook and rubber–tipped stop, sized to prevent door from hitting compartment–mounted accessories. Provide wall bumper where door abuts wall. Provide formed L–shaped hook without stop at outswing doors.

D. Door Pull: Standard unit on outside of inswing doors. Provide pulls on both sides of outswing doors.

8. Installation:

A. General: Comply with manufacturer's written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.

B. Stirrup Brackets: Secure panels to walls and to pilasters with no fewer than three brackets attached at midpoint and near top and bottom of panel. Locate wall brackets so holes for wall anchors occur in masonry or tile joints. Align brackets at pilasters with brackets at walls.

9. Adjusting: Hardware Adjustment: Adjust and lubricate hardware according to hardware manufacturer's written instructions for proper operation. Set hinges on in–swinging doors to hold doors open approximately 15 degrees from closed position when unlatched. Set hinges on out–swinging doors to return doors to fully closed position.

10. Final Cleaning: Remove packaging and construction debris and legally dispose of off–site. Clean partition and screen surfaces with materials and cleansers in accordance with manufacturer's recommendations.

SECTION 10730 – PROTECTIVE COVERS

1. Section includes complete pre–engineered building supported aluminum protective cover systems, including internal drainage system, fastening, and anchorage components of configuration indicated on Drawings.

2. Quality Assurance:

A. Manufacturer's Qualifications: Manufacturer regularly engaged, for preceding 10 years, in manufacture of natural thin veneer stone of similar type to that specified.

B. Structural Performance: Provide protective covers designed to withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to ASCE/SEI 7.

C. Delivery, Storage, and Handling: Deliver and store products in manufacturer's unopened packaging until ready for installation. Store materials on pallets, under cover and in a dry location and protect from contamination, dampness, freezing or overheating.

3. Warranty: Manufacturer's standard form in which manufacturer agrees to repair finish or replace protective cover components that show evidence of deterioration of factory–applied finishes within five years from date of Substantial Completion.

4. Products:

A. Subject to compliance with requirements, provide products manufactured by Superior Metal Products LLC, www.superiormetalproducts.com.

1. Decking: Extruded Aluminum: Flush.
2. Fascia/Gutter: Extruded Aluminum.
3. Beams: Extruded Aluminum. Provide sizes recommended by Delegated Design Engineer.
4. Drain Beams: Extruded Aluminum: Provide sizes recommended by Delegated Design Engineer.
5. Fasteners and Anchorage Components: Recommended and provided by protective cover manufacturer as required by delegated design.
6. Steel Awning Material: Galvanized sheet steel, 24 ga. min.with galva grip finish. To be factory painted to color indicated upon the building elevations and finish schedule.
7. Fabric Awning Material: 100% solution dyed acrylic, UV resistant, mildew resistant, breathable to prevent condensation, fade resistant, and stain resistant.
a. Fabric as manufactured by Sunbrella
b. Color: "Logo Red"

SECTION 10730 – PROTECTIVE COVERS (continued)

B. Factory Applied Finishes:
1. Aluminum and Steel Components: Baked enamel, see finish schedule.
2. Decking: Baked enamel, bronze
3. Protective covers Components Fascia/Gutters and Beams: Baked enamel, bronze

5. Surface Preparation: Prepare surfaces in accordance with manufacturer's instructions. Clean surfaces thoroughly before installation. Prepare surfaces using methods for achieving best results for substrate under project conditions.

6. Installation: Install protective covers following shop drawings and to manufacturer's written instructions. Accurately located, aligned, level plumb, and at correct elevations with tight and clean connections. Provide components placed for proper drainage according to shop drawings.

7. Cleaning and Repair: Clean and repair dirty and damaged surfaces. Replace components that are damaged beyond repair.

DIVISION 11 – EQUIPMENT

SECTION 11172 – WASTE COMPACTORS

1. Waste compactor shall be furnished by the Owner or Franchisee, installation and final connection by supplier. Refer to Site Plan for location and Electrical Plan for disconnect location.

2. Compactor shall have a remote power pack complete with weather cover. Motor is ten (10 horsepower, 3 phase, 208/230 volts, NSWM Rating to be 1.15 cubic yards. Controls shall be a three (3) push button control with deadman and key lock start button.

Capacity: GC 10B = 20 cubic yards
GC 11M = 17 cubic yards
GC 11S = 17 cubic yards

3. General Contractor to coordinate with compactor supplier and grading/civil plans at compactor area to insure that waste chute between building & compactor has at least the minimum slope recommended by compactor manufacturer.

DIVISIONS 12, 13, 14 (NOT USED)

DIVISION 15 – MECHANICAL

SECTION 15400 – PLUMBING

1. Work shall be performed by mechanics skilled in their respective trades and shall present appearance typical of best trade practice. Work not installed in this manner shall be repaired or replaced. Work shall be in accordance with all state and locally enforced plumbing codes.

2. Cost for all excavation fees, permits, tests, and inspections shall be paid by the Plumbing Contractor. Furnish three (3) copies of inspection certificate before requesting final payment.

3. Exterior utilities shall have a minimum earth cover of 36 inches unless indicated otherwise. Grade for soil and waste lines shall be 1/4 inch per foot (min.) for sizes 2 inches and smaller and 1/8 inch per foot (min.) for sizes 3 inches and larger.

4. All equipment and materials shall be installed in accordance with manufacturer's recommendations.

5. Contractor shall furnish and install any auxiliary lines, or accessories necessary for the proper functioning of the equipment and systems,whether or not specified or indicated on the plans.

6. Contractor shall provide in walls behind fixtures, adequate wood blocking for fixture hanger plates. Plates shall be secured to blocking as per manufacturer's instructions.

7. The entire plumbing system shall be tested under normal operating temperatures and 150% of normal operating pressures and the contractor shall demonstrate that all parts shall function properly. Leave all exposed piping, fixtures, fittings, etc., in a clean and like new condition.

8. All underground thermoplastic pipe shall be installed per ASTM–D2321.

9. Soil, Waste and Vent Piping

A. PVC: Unless otherwise specified on the drawings Soil waste andvent piping in earth shall be Sch. 40 PVC plastic pipe and fittings conforming to ASTM–D2665, ASTM–D2949.

B. Cast iron: All pipe and fittings shall contain the collective trademark of CISPI.

Hubless pipe; Gray cast iron and shall conform to current version of CISPI 310 and listed by NSF.

Hub and Spigot pipe: Gray cast iron and shall conform to ASTM A 74 and be NSF listed, service weight (SV).

C. Couplings:
Hubless Mechanical joint couplings for hubless pipe shall comply with CISPI 310, ASTM C 1277. The elastomeric sealing sleeve shall conform to ASTM C 564 or CSA B 602 and shall be provided with a center stop. Mechanical joint couplings shall be installed in accordance with the manufacturer's installation instructions. Heavy duty couplings shall conform to ASTM C 1540.

Caste iron hub and spigot compression joint: Gaskets for hub and spigot pipe and fittings shall confrom to ASTM C 564 and shall be tested to ASTM C 1563. Gaskets shall be compressed when the pipe is fully inserted.

Cast iron hub and spigot caulked joint: Pipe shall be firmly packed with oakum or hemp. Molten lead shall be poured in one operation to a depth of not less than 1 inch. The lead shall not recede more than 1/8 inch below the rim of the hub and shall be caulked tight.

D. Provide cleanouts as indicated and required by codes.

E. Test all soil, waste, and vent piping to meet all code requirements. Test shall prove the complete absence of leaks with not less than 10 feet head of water. Water shall be maintained in the system for 15 minutes before inspection starts. Prior to fixtures being set, a water test with a water column extended through the roof of the building.

10. Hot and Cold Water Piping

A. Crosslinked polyethylene (PEX) tubing and ASTM–F1960 cold expansion fittings:

Standard grade hydrostatic pressure ratings from Plastics Pipe Institue (PPI) in accordance with TR–3 as listed to TR–4. Certification of flame spread/smoke development rating of 25/50 in accordance with ASTM–E84

Installer Qualifications: Use an installer with demonstrated experience on projects of similar size and complexity and possessing documentation proving successful completion of PEX plumbing installation training by manufacturer.

Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions of manufacturer.

Warranty: 25 years when installed by a manufacturer trained contractor and certified plumbing professional.

B. Type "L" hard drawn copper tubing assembled with wrought sweat fittings. Joints in copper tubing shall be made with silver solder similar or equal to Sil–Phos.

C. Hot and cold water piping in building – CPVC schedule 40, per applicable state plumbing code. Material specifications for piping and fittings shall conform to applicable state plumbing code.

D. Subject hot and cold water piping to hydrostatic test of 150 pounds for a period of twenty–four (24) hours. Hot and cold water piping shall be thoroughly flushed with water and then filled with a chlorine solution of 50 parts per million and let stand for eight (8) hours. The chlorine solution shall be drained and piping flushed with clean water prior to operation. A residual chlorine level of 1 part per million shall be retained.

SECTION 15400 – PLUMBING (continued)

11. Gas Piping

A. The contractor shall arrange with the Local Gas Company to make connection to the gas main, to extend the service pipe to the meter, and provide meter, valves, etc. as required by local gas company. Contractor shall obtain and pay for service and meter. Gas service shall be of sufficient size to provide the flow of gas per hour as indicated on the drawings.

B. Gas piping above floor inside building or on roof shall be standard weight Schedule 40 black iron threaded pipe assembled with 150 pound ASA malleable iron fittings. Make all threaded joints using joint compound on male

C. Gas piping below grade outside building shall be coated with a fusion bonded epoxy at a thickness not less than 12 mils using electrostatic deposition and shall be Scotchkote. Field joints shall be covered with not less than 10 mils of the same material provided by Manufacturer.

D. Provide a lever handle gas cock, dirt leg, and union at point of connection to each piece of gas equipment.

E. All gas piping shall be tested by applying an air pressure of 100 pounds per square inch (psi) for a period of not less than two (2) hours and checking all joints with a solution of soap and water. Test shall prove the complete absence of leaks.

12. Drain piping and fittings above the roof may be galvanized steel pipe, DWV copper drain pipe or PVC plastic pipe. Drain piping above suspended ceilings to floor drain shall be PVC plastic pipe. PVC plastic pipe shall have solvent cement socket type fittings and pipe conforming to ASTM–D1785, Schedule 40, and D2466 or D2665. Maximum distance between pipe supports for PVC piping shall be 4'–0".

13. Fixtures:

A. All plumbing fixtures shall be as listed on the plans.

B. All exposed fittings, supplies, traps, etc., shall be chrome plated.

C. The connection of fixture traps from lavatories to waste pipe shall be made with PVC plastic, or DWV copper pipe.

14. Valves

A. Water valves shall be Hammond, Cast Bronze, 667 OR 668, flow port.

B. Gas valves shall be Walworth 554, 1796, 1797F or 1798F.

15. Hangers shall be split ring type secured to building construction with rods. Install hangers on outside of insulation with sheet metal saddle between hanger and insulation.

16. Provide chrome plated plates around all exposed bare and insulated piping passing through floors, walls or ceilings.

17. Flash vents through roof with 4 pound sheet lead extending 12 inches around pipe. Extend flashing to top of pipe and turn down inside at least 1 inch.

18. Pipe Insulation

A. All hot and cold water piping in walls, above ceilings, and exposed shall be insulated with an insulation having a maximum K factor of 0.28 @ 75°F mean temperature for 2" wall, flexible elastomeric thermal type, closed cell insulation similar to AP Armaflex Tube Insulation (Armacell). Longitudinal seams shall be sealed. Lateral seams (butt joints) shall be sealed on cold water pipes only. Thickness shall be 1/2" for cold water pipes up to 1 1/4" dia. and 1" for cold water pipes 1 1/2" dia. and greater. Thickness shall be 1" min. for all hot water pipes.

B. Insulate fittings continuous, but do not insulate valve bodies nor fixture supplies.

C. See schedule on Sheet P1 for piping insulation thickness schedule for piping in exterior walls and above ceiling and see sheet T1 for winter design temperature.

SECTION 15500 – HEATING, VENTILATING, AND AIR CONDITIONING

1. Work included under this Division consists of providing everything required to construct and install a complete and proper operating mechanical systems as specified, indicated and elsewhere required.

2. Materials shall bear Underwriter's Label where such standards have been established and listed by Underwriter's Laboratories, inc.

3. Materials, equipment, and appliances shall conform to latest industry standards.

4. Installation shall be in accordance with all applicable codes and regulations enforced by local authorities. In the event of no local authority, current national codes shall govern.

5. Use extreme care in the installation of equipment to insure that noise and vibration are held to an absolute minimum. Correct objectional noise and vibration. Provide vibration eliminators required for proper results.

6. Cost for all fees, permits, tests, and inspections shall be paid for by the Mechanical Contractor.

7. Make known arrangement of work and check arrangement and location of other trades to avoid conflicts. Review drawings of other trades to determine exact equipment locations for rough in.

8. Mechanical Contractor shall provide to the Owner or Franchisee all operation and maintenance manuals in two (2) copies. Contractor shall instruct the Owner or Franchisee OR the Owner's or Franchisee's representative in the operation of all equipment.

9. Notify the General Contractor 24 hours in advance when piping or equipment is to be tested, before piping is insulated or concealed, and before trenches are backfilled. Failing to comply, Contractor shall uncover and retest lines, repairing any damage to other Contractor's work as well as his own.

10. Before requesting final payment, inspect installation to assure that work is complete and requirements of contract have been fulfilled.

11. The Mechanical Contractor shall do cutting and patching required for installation of work. Do no more cutting than is necessary. Cutting of structural members will not be permitted.

12. Rooftop heating and cooling units shall be self–contained and designed, constructed, rated, and tested in accordance with ARI Standard 210. Units shall be by Carrier or Trane as alternate.

A. Unit enclosures shall be steel with factory applied corrosion and weather resistant finish. Provide gasketed removable panels or access doors for access to all internal parts. All joints shall be air and water tight. Enclosure shall be insulated in all areas of contact with conditioned or return air streams.

B. Compressors shall be of the hermetic type and shall be complete with internal thermal and overload protection in each leg, crankcase heaters, and service valves. For 10 ton units and above, controls shall consist of low pressure cutout, high pressure cutout, and high pressure relief. Magnetic contractors for compressor motors shall be located in unit control panel. Provide standard one (1) year parts, five (5) year compressor and one (1) year Mechanical Contractor labor warranty.

C. Condenser coil shall consist of non–ferrous tubing with mechanically bonded aluminum fins.

D. Condenser fans shall be propeller type. Fan motors shall have thermos and over–current protection. Magnetic contractors for fan motors shall be located in unit control panel.

E. Evaporator Coils shall consist of copper tubing with aluminum fins mechanically banded to tubes. Coils shall be provided with liquid line dryer.

F. Supply air fan shall be of the belt driven centrifugal type, with forward curved blades. Fan shall be statically and dynamically balanced at the factory. Fan shall not pass through first critical speed of catalaged RPM's. Magnetic contactors for fan motor shall be located in unit control panel. Provide controls to prove fan operation before heating or cooling can be energized. These controls shall also shut off heating or cooling in event of low air flow.

G. Provide drain pan under cooling coil of adequate size to catch all coil condensate. Pan shall be zinc coated steel with heavy coat of insulating sealer. Provide pan with drain line connection and galvanized threaded trap. Provide auxiliary drain with float switch for unit deactivation.

LMHT Project No. 23104.00

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BIG CHICKEN – CONVERSION
Location: 176 NW CENTURION CT. LAKE CITY, FLORIDA 32055
Drawing: SPECIFICATIONS

BIG CHICKEN

Revisions

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SECTION 15500 – HEATING, VENTILATING, AND AIR CONDITIONING (continued)

H. Heating section shall consist of two (2) stage gas fired heat exchanger complete with required gas valves, gas piping, factory wiring, and combustion fan. Provide minimum ten (10) year non–prorated heat exchanger warranty. Provide manual reset high limit protection for heating section acting through independent and separate contractors. Pilot shall be of the solid state electronic intermittent type. Provide power induced, combustion air purge air. Induced draft fan to run during pilot operation also.

I. Filters in units shall be 2 inch thick, low velocity, glass fiber throw–away type in commercially available sizes.

J. Electrical connections: Electrical disconnect shall be provided by manufacturer. Electrical Contractor shall provide/install circuit conductors from panel to disconnect.

K. See Corporate Vendor List on this sheet for contact & address.

13. Kitchen exhaust hoods, supply fans, exhaust fans, prefabricated curbs, and control boxes shall be supplied by the kitchen hood contractor. All equipment shall be installed by the mechanical contractor. Fire suppression piping, nozzles and fusible links pre–piped with the hood for an Ansul R–102 restaurant fire suppression system shall also be supplied by the hood contractor. The mechanical contractor shall employ a fire suppression subcontractor for installation of items external to the hoods and who will be responsible for the complete installation and certification of the suppression system. E.C. shall provide line voltage to equipment as required on plan.

Fire suppression sub–contractor shall furnish field items external to the hood in quantities shown on the plans and be responsible for the complete installation and certification of the suppression system.

14. Sheetmetal

A. Heating and air conditioning ductwork shall be constructed of galvanized sheet steel gauges and assembly as recommended by SMACNA.

B. Exhaust ductwork for the kitchen exhaust hood #1: Factory built round grease duct provided by hood contractor, installed by M.C.. Product meets listing to UL–1978, duct wall construction to be 0.036" or 0.047" thick stainless steel. Grease duct joints shall be connected by formed vee clamps and sealed with 3M fire barrier 2000+ per manufacturer's requirements. Duct supports shall be per manufacturer's requirements. Exhaust duct sized per specification on sheet M101.

C. Type of connections, bracing, construction, etc., shall be in accordance with the latest edition of the ASHRAE Guide. Ducts shall be substantially air tight.

15. Fire dampers shall meet or exceed NFPA, Bulletin 90A specifications. Install in fresh air intake where required by local code.

16. Back draft dampers shall be installed in exhaust air duct at fans as required by local code.

17. Grilles, registers, and diffusers shall be manufactured of extruded aluminum and shall be furnished in colors noted in schedule. Units shall be as manufactured by Nailor, Titus or Metal–Aire. Units shall be lay–in ceiling units unless noted otherwise.

A. Paint flat black all visible sheet metal behind grilles, registers and diffusers.

18. Insulated low pressure flexible duct shall be a factory fabricated assembly consisting of a zinc–coated spring steel helix, non–perforated inner liner, wrapped with a fiberglass insulation. The assembly shall be sheathed in a vapor barrier jacket, factory sealed at both ends of each section. The composite assembly including insulation and vapor barrier shall meet the Class 1 requirements of NFPA Bulletin No. 90A and be U.L. labeled. The "R" value measured at 75 degrees F shall be 6.0 or greater per ASTM C177–71.

A. Duct shall be Certainteed, "Certaflex" 25, as manufactured by the Certainteed Corporation, PO BOX 860, Valley Forge, Penn. 19482 or ATCO 70 Series as manufactured by ATCO Rubber Products, Inc., 4920 Mark IV Parkway, Fort Worth, TX 761–6.

A. Install duct in a fully extended condition free of sags and kinks, using only the minimum length required to make the connection. Where horizontal support is required, flexible duct shall be suspended on 36 inch centers with a minimum 3/4" wide flat banding materials. All joints and connections shall be made with 1/2" positive locking steel straps.

19. Insulation

Insulation shall be Certainteed, Johns–Manville, Owens–Corning, or equal, applied by Contractor or manufacturer's representative regularly engaged in the application of insulation. Insulation shall be a minimum of 2" thick, 3/4 pound density or 1" thick, 1 1/2 pound density, with a vapor barrier having a maximum permeance of 0.05 perms or aluminum foil having a minimum thickness of 2 mils. R–value shall be 6.0 minimum.

B. All insulation materials, coatings and other accessories shall have a fire hazard rating not to exceed 25 for flame spread, 50 for fuel contribution, and 50 for smoke developed; materials shall not produce flaming droplets when subjected to fire. All products or their cartons shall bear label indicating conformance to the above requirements.

C. Round duct (if required) shall be externally insulated with 1 inch thick flexible blanket with an integral vapor barrier. "R" value shall be a 6.0 minimum.

D. All refrigerant lines shall be insulated with 1/2 inch Aerotube.

20. Calibration Test Balancing

A. A completely installed, operating, and balanced system is the responsibility of the Mechanical Contractor. Listed below is the division of specific tasks.

B. Mechanical Contractor shall do the following:

1) Set HVAC units to RPM and amp draws listed on setup sheet.
2) Check and set HVAC evaporator fans for proper rotation.
3) Connect HVAC transformers to proper voltage taps.
4) Install thermostats and check for proper operation.
5) Install and check all diffusers for proper locations and throw pattern.
6) Verify that the exhaust hood fans are properly interlocked with the correct make–up air fans and appliances.
7) Set exhaust and make–up air fans to RPM values listed on setup sheet.
8) Adjust exhaust and make–up air fans for proper rotation.
9) Verify that hood exhaust filters are installed properly.
10) Verify that the non–heated make–up air ducts have dampers to each hood opening.
11) Verify that each supply run has its dampers open and locked.
12) Verify that each fan has the proper voltage present at the motor.
13) M.C. shall coordinate with RTU manufacturer for commissioning as called for on the plan.

C. Certified Air Balance Agency shall do the following:

1) Inspect for proper fan installation.
2) Check for proper exhaust fan operation.
3) Check for air flow from each diffuser.
4) Check thermostat for proper functional operation.
5) Check rooftop unit for proper thermostat connections, voltage taps and outside air interconnect.
6) Measure amperage and RPM of each HVAC unit. (Direct the mechanical contractor to adjust pulleys to proper values to obtain desire results).
7) Check the speed tap for the restroom exhaust fan and direct the mechanical contractor to adjust as required.
8) Measure the restroom exhaust and supply diffusers and adjust the volumes near the values listed on the drawings.
9) Measure the main exhaust hood fan volumes and direct the Mechanical Contractor in the adjustment of the fans to obtain values near those listed on drawings.
10) Measure the main exhaust hood fan volumes and direct the Mechanical Contractor in the adjustment of the fans to obtain values near those listed on the drawings.
11) Complete installation inspection.
12) Measure supply air volumes from each HVAC unit with a flow hood, adjusting values to desired values.
13) Smoke hoods for capture ability.

D. For test and balance services and reports, contact:
CaptiveAire, Raleigh, North Carolina, Phone: (919) 757–2820.
Melink Corporation, Cincinnati, Ohio, Phone: (513) 271–1615.

DIVISION 16 – ELECTRICAL

SECTION 16100 – BASIC ELECTRICAL REQUIREMENTS

1. All outlets, fixtures, and equipment shall be fully connected to proper sources of power supply and left ready for use.

2. Provide all excavation and tamp–backfill as required to complete work. Correct any settling during guarantee period to the Owner's satisfaction.

3. Provide all necessary cutting and patching as required to complete work. Patching shall be done by mechanics skilled at their work. All openings shall be filled and matched to conform with fire regulations.

4. Cooperate with other trades: Make known to other trades arrangement of electrical work. Examine work of other trades to avoid any conflicts. Examine drawings of other trades to determine exact equipment locations. Examine manufacturer's shop drawings to determine rough–in requirements.

5. Permits, fees and codes; Pay all costs for permits, fees and inspections required by authorized agencies having jurisdiction over electrical work. Electrical system shall conform to requirements of N.E.C., State, and Local Electrical Codes, Energy Codes, Local authorities and Utility Company.

6. Equipment manufacturers', other than those listed, will be acceptable upon written approval from Owner. All electrical materials shall be listed and labeled by U.L. and shall conform to NEMA and other industry standards.

7. Provide typewritten directories in branch panel boards with clear plastic shields. Provide engraved plastic name plates on all disconnect switches, motor starters, control devices, and switches in service entrance equipment.

8. Tests: Entire electrical system shall be fully tested and corrected of any short circuits, open grounds, faulty wiring, and incorrect connections.

9. Guarantee: Complete electrical system including all materials, equipment, and labor shall be guaranteed for a period of one year beginning with date of acceptance of building by the Owner.

SECTION 16200 – BASIC MATERIALS AND METHODS

1. Section 16100 applies to all work hereunder and shall include conduit, boxes, wire, wiring devices, lighting fixtures, and related materials.

2. Conduit:

A. Connections to equipment shall be made with a 3'–0" flexible liquid–tight conduit with liquid–tight connectors.

B. Connections to recessed lighting fixtures shall be made with 6'–0" of 1/2" flexible conduit from a box within 2'–0" of the fixture.

C. Rigid galvanized threaded thickwall conduit with threaded fittings shall be provided in slabs on grade. Conduits below slabs on grade or in earth outside of buildings shall be Schedule 40 PVC with separate grounding conductor per NEC Article 352.60, current edition, where acceptable by Local Codes. Where the use of PVC conflicts with Local Codes, substitute rigid galvanized threaded thickwall conduit painted with two (2) coats of Asphaltum and with two (2) coats applied at joints after installation. All conduit outside building shall be buried a minimum of 2'–0".

D. All other conduit shall be electric metallic tubing with compression type, or set screw type fittings.

3. Concealed boxes shall be 4 inches square galvanized steel with galvanized extension rings, total depth of not less than 2 1/2 inches.

Surface mounted boxes shall be cast weatherproof aluminum.

4. Wire: Conductors shall be 98 percent Conductivity Copper of No.12 AWG minimum size. Insulation shall be color coded, and rated for 600 volts minimum. Type THWN shall be used.

5. Wire connectors for sizes No. 10 AWG and smaller shall be Ideal or 3M winged wire nuts. Connectors for wire size No. 8 and larger shall be by Blackburn or Burndy Compression Connection Heads using hydraulic presses and heat shrink insulation kits.

6. Wall switches shall be white and shall be as follows or approved equal:

A. 20 amp, SP 120/277 volt:
Arrow/Hart 1221W, Bryant 4901W, or Hubbell 1221W.

B. 20 amp, 3W, 120/277 volt:
Arrow/Hart 1223W, Bryant 4903W, or Hubbell 1223W.

C. 20 amp, 4W, 120/277 volt:
Arrow/Hart 1224W, Bryant 4904W, or Hubbell 1224W.

D. 20 amp, SP, 120/277 volt, with pilot light:
Arrow/Hart 1221PL, Bryant 4901PLR120/4901PLR277 or Hubbell 1221PL.

E. 20 amp, SP, 120/277 volt, weatherproof:
Bryant 4981/1795WP, Hubbell No. 1281/1795.

7. Receptacles shall be white and shall be as follows or approved equal. Provide other receptacles as indicated on drawings.

A. 20 amp, 125 volt, duplex:
Arrow/Hart 5362W, Bryant 5362W, or Hubbell 5362W. Hubbell No. 5362GRY (1).

B. 20 amp, 125 volt, twistlock
Bryant 70520FR, Hubbell 2310.

C. 30 amp, 250 volt, 3 wire grounding:
Arrow/Hart 1234BK, Bryant 9630FR, or Hubbell 9430A.

D. 50 amp, 250 volt, 3 pole, 4 wire grounding:
Arrow/Hart 8450N, Bryant 8450NP, or Hubbell 8450A.

E. Ground Fault Interrupting, duplex:
Arrow/Hart SGF20W, Bryant GFRST20W, or Hubbell GF20WL. (Provide spring loaded weatherproof covers where required by code.)

F. Clock and Sign Hanger:
Arrow/Hart TR775W, Bryant RR201CHWTR, or Hubbell No. 5235.

G. Combination 120V duplex receptacle and USB charging:
Arrow/Hart TR7756W, Bryant USBB20W, or Hubbell 5235.

Face Plates: Provide face plates for all devices including wall switches, receptacles, telephone outlets, an all wall outlets. Face plates shall be white in customer areas and satin finished stainless steel in kitchen and service areas.

8. Lighting fixtures shall be furnished by Contractor as scheduled on drawings unless otherwise noted. Contractor shall install all lighting fixtures and provide necessary mounting hardware. All recessed lighting fixtures shall be thermally–protected as required by code.

A. Contractor shall furnish and install one complete set of lamps for all lighting fixtures supplied by the contractor. Provide label in each fixture indicating size and type of lamp corresponding with schedule on drawings.

B. Starters: Three–phase units shall be by Square D, Type 8536 with 120 volt coil, N.O. Auxiliary contact and with red pilot (in cover).

C. Raceway systems shall be installed to maintain the maximum headroom. Common supports may be used for mechanical and electrical equipment by coordinating the work with all trades.

D. Wire: Use only approved type wire–pulling lubricants for wire No. 4 AWG or larger. Splice wire only in accessible boxes. Make wire joints mechanically strong before applying the connector, and where tape is used, wrap each joint to the thickness of the original insulation. Clean and polish metallic surfaces before installing conductors. Apply pressure type lugs on standard conductors connected to screw or bolt type connections.

E. All wire shall be installed in a conduit and shall be concealed where possible. Where necessary to expose the wiring, the raceway shall be installed as inconspicuously as possible and in straight lines, parallel with the building lines. Cut raceway square, ram, smooth, and make–up tight. Plug ends of raceways during construction and swab–clean before pulling wire or cable.

F. All electrical boxes shall be supported from building structural members independently of the conduit raceways, mechanical systems, or suspended ceiling supports. Recessed boxes shall be protected during construction and shall be cleaned before pulling wire and installing devices.

SECTION 16200 – BASIC MATERIALS AND METHODS (continued)

G. Wiring devices: Unless noted otherwise, receptacles shall be installed 22 inches above the finished floor to the top of the box, switches shall be 48 inches above finished floor to the top of the box. Receptacles noted above work counters and cabinets shall be mounted above the backsplash. Weatherproof receptacles shall be installed so that the cover protects the device in the open position. Receptacles shall be bonded to metallic boxes or to separate ground conductor per NEC.

H. Equipment connections: Provide all necessary motor starters, disconnect switches, controls, conduit boxes, wire, etc., and connect complete to each piece of equipment requiring connections indicated on the drawings. Where equipment ratings differ from that indicated consult the Owner.

I. Lighting fixtures; Fixtures supported in exposed grid ceilings shall be provided with clips. Fixtures mounted in or on tile ceilings shall be aligned with tiles. Lighting fixtures shall be supported from the building structural members except for exposed grid ceilings where a ceiling supporting wire shall be provided at each fixture corner.

J. Cleaning: All equipment, including panel boards, switches, wiring devices, lighting fixtures, wall plates, etc., shall be free of corrosion, dirt, paint spatter or damage of any sort at final acceptance of the work. Contractor shall clean, repair or replace same as instructed by Owner before final payment.

SECTION 16400 – SERVICE DISTRIBUTION

1. Service:

A. Contractor shall verify service voltage and type of termination with local utility company and shall provide necessary revisions and modifications required. Service terminations may either be underground or overhead depending on the utility company's requirement and approval by the Owner.

B. Contractor shall submit service design to utility and recieve utility approval prior to purchasing gear.

C. Contractor shall immediately notify engineer of any service design changes required by the utility.

D. Costs arising from lack of advance coordination with the utility shall be borne by the contractor.

2. Metering: Contractor shall provide necessary metering facilities including meter socket, current–transformer cabinet, conduit, and other work for metering required by the local utility company.

3. Grounding: All exposed non–current carrying metallic parts of the electrical equipment, including the metallic raceway system and neutral conductor shall be grounded in accordance with N.E.C. Provide a driven ground rod or system of ground rods which will provide an overall grounding resistance less than 25 ohms. Connection between ground rod and grounding electrode conductor shall be made using exothermic welds. Provide connection to metallic water service and structural steel within the building and additionally to reinforcing steel in the building foundation. All points of grading connections shall be made accessible.

4. Raceways: All raceways shall include an equipment grounding conductor pulled with the phase conductors.

5. Panelboards: All panelboards shall be of the dead front bolt–on circuit breaker type with mains, copper bus bars, and branch circuit breakers as shown in the panel board schedules. All panel boards and cabinets shall be so labeled. Panel board assemblies shall be enclosed in code gauge steel cabinets with ample wiring gutters on top, sides, and bottom. Cabinets shall be complete with trim and doors with combination catch and lock, all locks keyed alike, and two (2) keys furnished for each lock. Cabinets, trim, and doors shall be finished as in standard with the manufacturer. Cabinets shall be for surface or flush mounting as indicated on the various panel board schedules and shall be 20 inches wide minimum. All branch circuit breakers shall be 20 ampere trip unless otherwise shown.

A. Lighting and appliance panelboards shall be Siemens, Square D or Eaton, bolt–on breaker design.

B. Power panelboards shall be Siemens, Square D or Eaton, bolt–on breaker design.

C. Circuit breakers shall be bolt–on, thermal–magnetic trip, trip–free, quick–make on manual or automatic operation, and shall indicate tripping by the position of the handle midway between "off" and "on". All multiple circuit breakers shall be single handle, common trip, no handle ties shall be used.

D. Panelboard locations shown on the drawings are schematic. If there is a question about the exact location of any panel board, the contractor shall verify with the Architect.

E. Panelboards shall be mounted with the top circuit breaker a maximum of 6 feet 6 inches above the floor.

F. Where two or more panelboards are located adjacent they shall be mounted so that their bottom edges are in alignment.

G. Each panel board shall be provided with a neatly typed directory which completely identifies the utilization of each circuit.

H. The etched laminated plastic identification plate for each panelboard shall show the panelboard identification, voltage and its feeder designation.

6. HVAC non–integral disconnect switches shall be furnished by the Electrical Contractor. All disconnect switches shall be normal duty type NEMA ND, fused unless noted otherwise, and with operator interlocked with the door so door can be opened only in the "off" position. Switches shall be manufactured by General Electric, Square D, or Eaton.

7. The main pole sign and building signs shall be turned on by Timeclock number 1.

8. Smoke detectors shall be provided in accordance with state and local code requirements.

9. The electrical contractor shall run a 2 inch PVC conduit from the telephone panel to the service delivery or demarcation point. Coordinate final termination point with the Telephone Service Provider.

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