PROJECT INFORMATION

PROJECT DATA

PROJECT ADDRESS:	4002 S I-35 SOUTH FRONTAGE RD., SAN MARCOS, TX 78666
OWNER:	BIG STAR LAND LLC.
ZONING:	GC
LOT AREA:	1.08 ACRES
BUILDING AREA:	4,097 SQFT
STORIES:	1
CONSTRUCTION TYPE:	V-B
FIRE SPRINKLER:	NO
OCCUPANCY:	A-2

PROJECT SCOPE

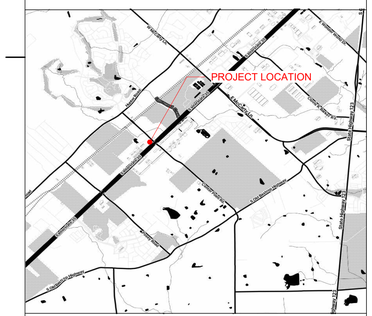
DRAWING PACKAGE CONSISTS OF INFORMATION FOR RETROFIT CONSTRUCTION OF AN EXISTING STAND-ALONE RESTAURANT LOCATED IN SAN MARCOS, TX WITH 78 INTERIOR SEATS.

CONSTRUCTION OBSERVATION REQUIRED

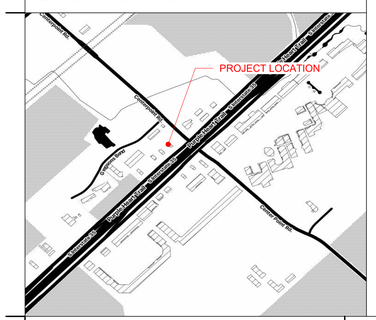
GENERAL CONTRACTOR IS REQUIRED TO SCHEDULE AND COORDINATE THE FOLLOWING MANDATORY CONSTRUCTION OBSERVATION SITE VISITS WITH THE ARCHITECT/ENGINEER PRESENT. PROVIDE NOTICE TO ARCHITECT AT LEAST 48 HOURS PRIOR TO SUCH VISITS. PRIOR TO BEGINNING WORK PROVIDE ARCHITECT AND OWNER WITH A CRITICAL PATH SCHEDULE SHOWING THE FOLLOWING CONSTRUCTION MILESTONE.

INITIAL	REQUIRED VISITS/MILESTONES	SITE
_____		PRE-CONSTRUCTION SITE MEETING
_____		CONCRETE FORMWORK, PRIOR TO POURING
_____		CONCRETE, PRIOR TO FRAMING AND MASONRY
_____		ROUGH MASONRY/FRAMING
_____		ROUGH ELEC., MOUNTED BOXES PRIOR TO PULLING WIRE
_____		DRY-IN PRIOR TO INSTALLING CLADDING/STUCCO
_____		PUNCH LIST REVIEW
_____		SUBSTANTIAL COMPLETION PRIOR TO CERT. OF OCC.

VICINITY MAP



LOCATION MAP





NOTE: PERSPECTIVE RENDERINGS ARE FOR ILLUSTRATION PURPOSES ONLY AND NOT INTENDED FOR REFERENCE DURING CONSTRUCTION.

PROJECT TEAM

ARCHITECT

LIQUE DESIGN STUDIO, LLC
816 CAMARON STREET, SUITE 110
SAN ANTONIO, TX 78212
CESAR SOSTRE,
PRINCIPAL ARCHITECT
CESAR.SOSTRE@LIQUE.US

MECHANICAL/ELECTRICAL /PLUMBING ENGINEER

MaCK ENGINEERS
123 VARGAS ALLEY
SAN ANTONIO, TX 78203
MICHAEL WASHINGTON,
MICHAEL@MACKENGINEERS.COM

KITCHEN / MILLWORK

TRIMARK
14603 W 112TH ST
LENEXA, KS 66215
913-491-4999
TRIMARKUSA.COM

DRAWING INDEX

GENERAL

G-001	COVER SHEET
G-002	PROJECT STANDARDS
G-003	CODE ANALYSIS
G-004	ACCESSIBILITY STANDARDS
G-005	ACCESSIBILITY STANDARDS

ARCHITECTURAL

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A-101	EXISTING/ DEMOLITION FLOOR PLAN
A-101.1	PROPOSED FLOOR PLAN
A-102	EXISTING/ DEMO. REFLECTED CEILING PLAN
A-102.1	PROPOSED REFLECTED CEILING PLAN
A-103	ROOF PLAN
A-104	FINISH PLAN
A-104.1	ALTERNATE FINISH PLAN
A-105	FINISH SCHEDULE
A-201.1	EXISTING/ DEMO. EXTERIOR ELEVATIONS
A-201.2	EXISTING/ DEMO. EXTERIOR ELEVATIONS
A-202.1	PROPOSED EXTERIOR ELEVATIONS
A-202.2	PROPOSED EXTERIOR ELEVATIONS
A-203	EXTERIOR BUILDING SIGNAGE
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A-501	INTERIOR ELEVATIONS
A-502	INTERIOR ELEVATIONS
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A-505	DETAILS - RESTROOM & ACCESSIBILITY
A-506	DETAILS - MILLWORK
A-600	DOOR/ WINDOW SCHEDULES AND DETAILS
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MECHANICAL

M-000	SPECIFICATIONS, SYMBOLS, AND SHEET INDEX
M-101	EXISTING/DEMO MECHANICAL PLAN
M-101.1	PROPOSED MECHANICAL PLAN
M-201	SCHEDULES
M-202	DETAILS & CALCULATIONS

ELECTRICAL

E-000	SPECIFICATIONS, SYMBOLS, AND SHEET INDEX
E-001	ELECTRICAL SPECIFICATIONS
E-002	ELECTRICAL SPECIFICATIONS
E-101	DEMOLITION POWER & SPECIAL SYSTEMS PLAN
E-101.1	PROPOSED POWER & SPECIAL SYSTEMS PLAN
E-101.2	ENLARGED KITCHEN PLAN
E-102	DEMOLITION LIGHTING PLAN
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E-201	ELECTRICAL ONE-LINE DIAGRAM
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PLUMBING

P-000	PLUMBING SPECS, SYMBOLS, AND SHEET INDEX
P-101	EXISTING/DEMO WASTE & VENT PLAN
P-101.1	PROPOSED WASTE & VENT PLUMBING PLAN
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KITCHEN

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K-1	FOODSERVICE EQUIPMENT PLAN W/ SCHEDULE
K-1.1	FOODSERVICE EQUIPMENT SCHEDULE W/ MAKE & MODEL
K-2	FOODSERVICE ELECTRICAL ROUGH-IN
K-3	FOODSERVICE PLUMBING ROUGH-IN PLAN
K-4	FOODSERVICE SPECIAL CONDITIONS PLAN
K-5	FOODSERVICE INTERIOR ELEVATIONS
K-5.1	FOODSERVICE NTERIOR ELEVATIONS

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LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110, SAN ANTONIO, TX 78212

REGISTERED ARCHITECT CESAR SOSTRE 24818 STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD., SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

ISSUED FOR PERMIT

PROJECT NUMBER: 189.02.02
PROJECT DATE: 08/07/2025
PROJECT MANAGER: JS
PROJECT TEAM: LDS

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COVER SHEET

G-001

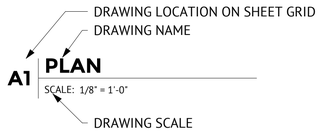
ABBREVIATIONS

A/C	AIR CONDITIONING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECTURE
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIOVISUAL
AWP	ACOUSTICAL WRAPPED PANEL
BITUM	BITUMINOUS
BLDG	BUILDING
BOS	BOTTOM OF STEEL
BOT	BOTTOM
CAB	CABINET
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUE. CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CU FT	CUBIC FOOT
CU YD	CUBIC YARD
CWC	COMPOSITE WOOD CLADDING
CWT	CERAMIC WALL TILE
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DS	DOWNSPOUT
E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
ENCL	ENCLOSE(D)
EOS	EDGE OF SLAB
EP	EXTERIOR PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EXIST	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF EL	FINISH FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN FLR	FINISHED FLOOR
FLR	FLOOR, FILLER
FOC	FACE OF CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF SLAB
FOW	FACE OF WALL
FS	FLOOR SINK
FT	FOOT, FEET
FTG	FOOTING
FURN	FURNISH, FURNITURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GT	GROUT
GWB	GYPSUM WALL BOARD
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
HC	HANDICAP
HD	HEAVY DUTY
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR CLOSET
KIT	KITCHEN
KO	KNOCKOUT
LAB	LABORATORY
LAM	LAMINATE
LAU	LAUNDRY
LAV	LAVATORY
LF	LINEAR FEET
LIN	LINOLEUM
LM	LAMINATING METAL
LVR	LOUVER
LVT	LUXURY VINYL TILE
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MSP	METAL SOFFIT PANEL
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
OPT	OPTION(AL)
P	PAINT
PC	POLISHED CONCRETE
PCF	POUNDS PER CUBIC FEET
PL	PAINT LINE
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAR FEET
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISH
PRKG	PARKING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, POST-TENSIONED, PRE-TREATED
PT	PORCELAIN TILE
PVC	POLYVINYL CHLORIDE (PLASTIC)
PWB	PORCELAIN WALL BASE
PWT	PORCELAIN WALL TILE
QC	QUARTZ COUNTERTOP
QTR	QUARTER
QTY	QUANTITY
R	RADIUS, RISER
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIGERATOR, REFERENCE
REQD	REQUIRED
RM	ROOM
RN	RUBBER NOSING
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RSTR	RUBBER STAIR THREAD/RISER
S	SOUTH
SAT	SUSPENDED ACOUSTICAL CEILING
SD	STORM DRAIN
SECT	SECTION
SF	SQUARE FEET
SIM	SIMILAR
SLC	SEALED CONCRETE
SNC	STAINED CONCRETE
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSC	SOLID SURFACE
ST	STUCCO
STD	STANDARD
STD	STUD
STOR	STORAGE
SUSP	SUSPENDED
SYS	SYSTEM
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP	TEMPORARY
TFF	TOP OF FINISH FLOOR
THK	THICKNESS
THRU	THROUGH
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE, CURB
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB
TOW	TOP OF WALL
TR	TRANSITION STRIP
TRTD	TREATED
TSV	THINSET STONE VENEER
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VINYL PLANK FLOORING
W	WEST, WIDE
W	ACOUSTICAL CEILING TILE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WC	WALL COVERING
WD	WOOD
WDM	WOOD DOOR MATERIAL
WDP	WOOD PANEL
WF	WINDOW FILM
WP	WORKING POINT, WATERPROOFING
WR	WATER REPELLENT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

NOTICE:
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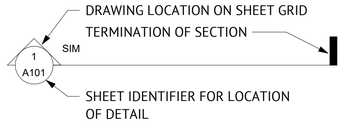
GRAPHIC SYMBOL LEGEND

DRAWING TITLE SYMBOLS

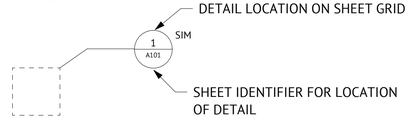


DETAIL SYMBOLS

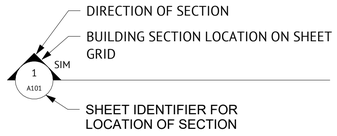
SECTION DETAIL



PLAN DETAIL

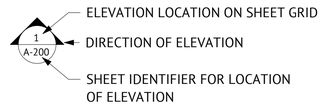


SECTION SYMBOLS

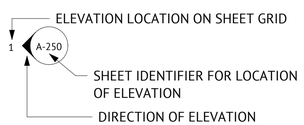


ELEVATION SYMBOLS

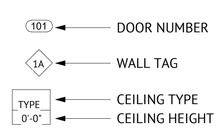
EXTERIOR ELEVATION



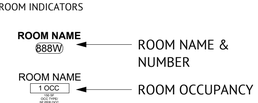
INTERIOR ELEVATION



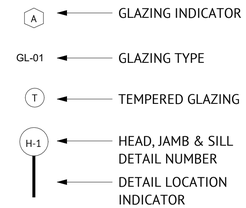
PLAN SYMBOLS



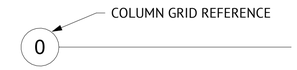
ROOM INDICATORS



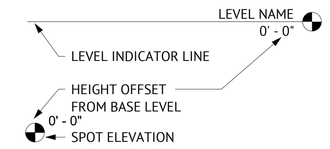
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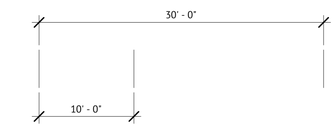
GENERAL ANNOTATION SYMBOLS



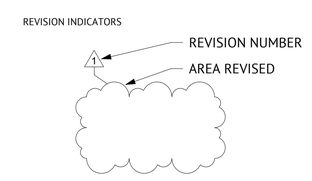
ELEVATION INDICATORS



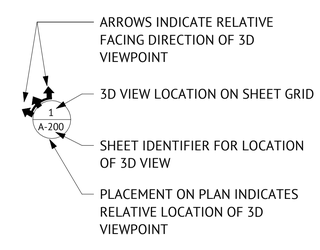
TYPICAL DIMENSIONS INDICATORS



REVISION INDICATORS



3D VIEW INDICATORS



LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110, SAN ANTONIO, TX 78212

REGISTERED ARCHITECT
CESAR SOSA REYES
24818
STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
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PROJECT STANDARDS

G-002

CODE COMPLIANCE

IBC REVIEW:
Occupancy Classification
Assembly Group A-2 (IBC 303.1)
Type of Construction
Type V-B, non-sprinkler

Chapter 5 - Building Heights and Areas
Actual Building Area
Gross Total Building: 4,097 SF

Applicable Codes:
2021 International Building Code
2021 International Fire Code
2021 International Plumbing Code
2021 International Mechanical Code
2021 International Fuel Gas Code
2021 International Energy Conservation Code
2020 National Electrical Code
2012 Texas Accessibility Standards

	Allowable		Actual
Building Height (IBC Table 504.3):	60' MAX	≥	20' 0"
Number of Stories (IBC Table 504.4):	2	≥	1
Area (IBC Table 506.2):	16,500	≥	4,097 SF

Chapter 6 - Types of Construction

IBC - Table 601 Fire - Resistance Requirments For Building Elements (hours)

BUILDING ELEMENT	Type I A	Type I B	Type II Ad	Type II B	Type III Ad	Type III B	Type IV HT	Type V Ad	Type V B
Primary Structural Frame f (see Section 202)	3a	2a	1	0	1	0	HT	1	0
Bearing Walls Exterior e,f, Interior	3 3a	2 2a	1 1	0 0	2 1	2 0	2 1/HT	1 1	0 0
Nonbearing Walls and Patitions Exterior									
Nonbearing Walls and Patitions Interior d	0	0	0	0	0	0	see Section 2304.11 .2	0	0
Floor Construction and Secondary Members (see Section 202)	2	2	1	0	1	0	HT	1	0
Roof Construction and Associated Members (see Section 202)	1 1/2b	1 b,c	1 b,c	0c	1 b,c	0	HT	1 b,c	0

IBC - Table 602 Fire - Resistance Requirements For Exterior Walls Based on Seperation Distance a, d, g

Fire Seperation Distance = X (feet)	Type of Construction	Group H e	Group F-1, M, S-1 f	Group A, B, E, F-2, I, R, S-2, U
x ≥ 30	All	0	0	0

Chapter 7 - Fire Resistance

IBC - Table 705.8 Maximum Area of Exterior Wall Openings Based on Fire Seperation Distance and...

Fire Seperation Distance (feet)	Degree of Opening Protection	Allowable Area a
30 or Greater	Unprotected, nonsprinklered (PS, NS)	No Limit
	Unprotected, sprinklered (UP, S)	No Limit
	Protected (P)	No Limit

a. Values indicated are the percentage of the area of the exterior wall, per story.

Chapter 8 - Finish Classification

IBC - Table 803.13 Interior Wall and Ceiling Finish Requirements By Occupancy (partial table)

Group	Nonsprinklered: Interior exit stairways and ramps and exit passageways a,b	Nonsprinklered: Corridors enclosure for exit access stairways and ramps	Nonsprinklered: Rooms and Enclosed spaces
A-1 & A-2	A	A	B

Chapter 9 - Fire Protection Systems
Project is located in: San Marcos, TX
NFPA 13 Automatic Sprinkler System: Not Provided

903 Automatic Sprinkler System not required in Group A: < 100 occupants
907.2.2 Manual Fire Alarm not required in Group A: < 300 occupants (NFPA 101 38.3.4.1)

Chapter 10 - Egress Components
Occupancy Calculation: Business (A)

Total Occupants:	88 Occupants (See Life Safety Plans)
1005.3.2 Other Egress Component Width:	.2" per occupants
1006.2.1 Common Path of Egress Travel:	75 without sprinklers
1006.2.1 Spaces with one means of Egress:	49 or less Occupants
1006.3.3 Minimum Number of Exits:	2 Exits
1017.2 Maximum Exit Access Travel Distance:	200' without sprinkler system
1020.2 Corridor Fire Rating:	1 hr without sprinkler system where > 30 Occupants served
1020.3 Corridor Width:	44" Minimum
1020.5 Dead End Corridors	20' limit for more than one exit spaces.
MEANS OF EGRESS REQUIRED	2 (TWO)
MEANS OF EGRESS PROVIDED	3 (THREE)

Chapter 11 - Accessibility
1105.1 Sixty percent of all public entrances shall be accessible
1109.3 Sinks: ≥ 5% but not less than one provided in accessible spaces shall comply with TAS 2012
1112.3 Directional Signage: Required at inaccessible building entrance and at each separate-sex toilet indicating the nearest family/assisted use toilet

Chapter 12 - Interior Environment
1208.2 Minimum Ceiling Heights
7' - 6" Minimum for occupiable spaces, habitable spaces and corridors
7' - 0" Minimum for bathrooms, toilet rooms, kitchens, storage rooms and laundry rooms

Chapter 15 - Roof Assemblies and Rooftop Structures
Roof Covering Classifications: Class C or Better (IBC Table 1505.1)

Chapter 17 - Special Inspections
(See Structural Specification)

Chapter 29 - Plumbing Requirements

From IPC - Table 403.1.2 Single-user Toilet and Bathing Room Fixtures

Occupants 88 TOTAL OCC	Fixture	Required: Male	Required: Female	Provided: MALE	Provided: FEMALE	Provided: Unisex
BUSINESS	Water Closet	1 per 75	1 per 75	1	2	0
	Lavatories	1 per 200	1 per 200	1	2	0
	Showers	0	0	0	0	0
	Drinking Fountains	1 per 500				
	Service Sink	1 service sink required				2

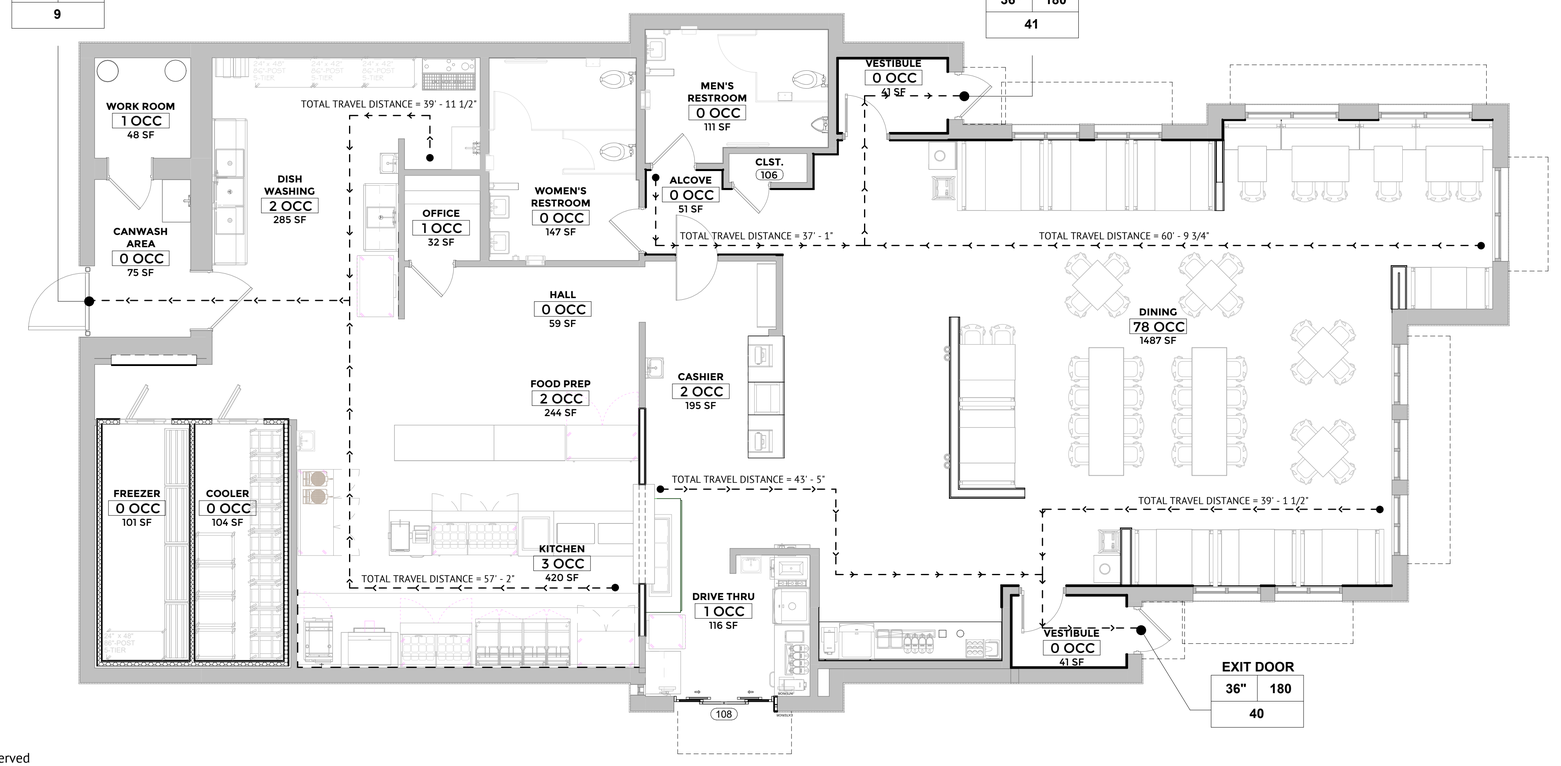
410.4 Where restaurants provide drinking water in a container free of charge, drinking fountains shall not be required.

BUILDING AREA & OCCUPANT LOAD CALCULATIONS

SPACE	SPACE NUMBER	FLOOR AREA ALLOWANCE	AREA (SF)	NUMBER OF OCCUPANTS
VESTIBULE	101	N/A	41 SF	0
VESTIBULE	102	N/A	41 SF	0
DINING	103	1:15 NET	1478 SF	78
W. RESTROOM	104	N/A	147 SF	0
M. RESTROOM	105	N/A	111 SF	0
CLOSET	106	N/A	11 SF	0
CASHIER	107	1:60	74 SF	2
DRIVE THRU	108	1:200	134 SF	1
HALL	109	N/A	59 SF	0
OFFICE	110	1:150	32 SF	1
KITCHEN	111-113	1:200	949 SF	5
COOLER	114	N/A	104 SF	0
FREEZER	115	N/A	101 SF	0
CAN WASH AREA	116	N/A	75 SF	0
WORK ROOM	117	1:300	48 SF	1
ALCOVE	118	N/A	51 SF	0
TOTAL				88 OCCUPANTS

EXIT DOOR
48" | 240
9

EXIT DOOR
36" | 180
41



EXIT DOOR
36" | 180
40

1 LIFE SAFETY PLAN
SCALE: 3/16" = 1'-0"

LEGEND

EGRESS TRAVEL PATH: DISTANCE NOTED IS ACTUAL.
ROOM / X OCC — OCCUPANCY LOAD
XXX SF — ROOM AREA
OCC TYPE/ SF PER OCC — OCCUPANCY LOAD FACTOR AND METHOD
OCCUPANCY GROUP

EXIT DOOR
35" | 240
111
EXIT CAPACITY (OTHER EGRESS WIDTH / .15)
ANTICIPATED LOAD
EGRESS WIDTH

EXIT STAIR
72" | 480
137
EXIT CAPACITY (OTHER EGRESS WIDTH / .2)
ANTICIPATED LOAD
EGRESS WIDTH

KB — WALL HUNG KNOX BOX (SEE FIRE MARSHAL FOR EXACT LOCATION)

FE1 — WALL MOUNTED PORTABLE FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2-A: 10-B:C WITHIN 75-FT FROM ANY POINT IN THE BUILDING, MEASURED ALONG THE PATH OF TRAVEL.

FE2 — WALL MOUNTED TYPE K PORTABLE FIRE EXTINGUISHER WITHIN 30-FT OF COMMERCIAL COOKING EQUIPMENT. THE TYPE K EXTINGUISHER IN ADDITION TO THE PORTABLE FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2-A: 10-B:C.

NOTICE:
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LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110, SAN ANTONIO, TX 78212

REGISTERED ARCHITECT CESAR SOSA REYES 24818 STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.
SLIM CHICKENS- ZAXBY'S RETROFIT
4002 S I-35 SOUTH FRONTAGE RD., SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

ISSUED FOR PERMIT
PROJECT NUMBER: 189.02.02
PROJECT DATE: 08/07/2025
PROJECT MANAGER: JS
PROJECT TEAM: LDS

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CODE ANALYSIS

G-003

407 ELEVATORS

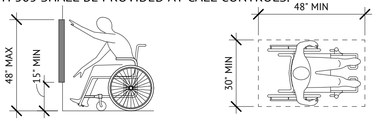
407.2.1 - WHERE ELEVATOR CALL BUTTONS OR KEYPADS ARE PROVIDED, THEY SHALL COMPLY WITH 309.4. CALL BUTTONS SHALL BE RAISED OR FLUSHED

309.4 - OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS.

407.2.1.1 - CALL BUTTONS AND KEYPADS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART.

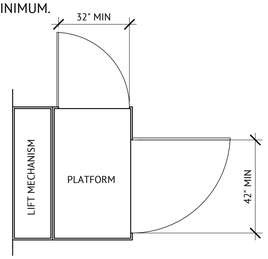
704.2.1.2 - CALL BUTTON SHALL BE 3/4" MINIMUM IN THE SMALLEST DIMENSION

407.2.1.3 - A CLEAR FLOOR SPACE OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED AT CALL CONTROLS.



PLATFORM LIFTS

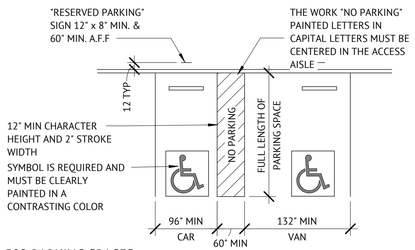
410.6 - DOORS AND GATES. PLATFORM LIFTS SHALL HAVE LOW-ENERGY POWER-OPERATED DOORS AND GATES COMPLYING WITH 404.3. DOORS SHALL REMAIN OPEN FOR 20 SECOND MINIMUM. END DOORS AND GATES SHALL PROVIDE A CLEAR WIDTH 32 INCHES MINIMUM. SIDE DOORS AND GATES SHALL PROVIDE A CLEAR WIDTH 42 INCHES MINIMUM.



5 GENERAL SITE & BUILDING ELEMENTS

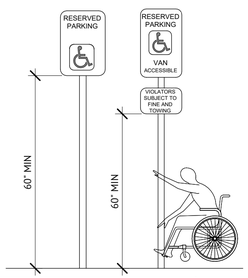
502 PARKING SPACES

502.2 - CAR PARKING SPACES SHALL BE 96 INCHES WIDE MINIMUM AND VAN PARKING SPACES SHALL BE 132 INCHES WIDE MINIMUM, SHALL BE MARKED TO DEFINE THE WIDTH, AND SHALL HAVE AN ACCENT AISLE.



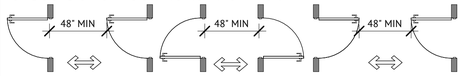
502 PARKING SPACES

502.6 - PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY WITH 703.7.2.1. SIGNS IDENTIFYING PARKING SPACES CAN CONTAIN THE DESIGNATION "VAN ACCESSIBLE". SIGNS SHALL BE 60 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.



404 DOORS IN SERIES AND GATES IN SERIES

404.2.6 - THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48" MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO PLACE.



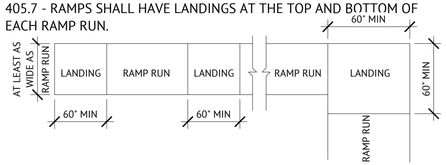
405 RAMPS

405.2 - RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.

405.5 - THE CLEAR WIDTH OF A RAMP RUN AND WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36 INCHES MAXIMUM.

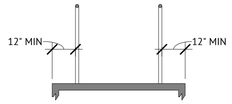
405.6 - THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM.

405.7 - RAMPS SHALL HAVE LANDINGS AT THE TOP AND BOTTOM OF EACH RAMP RUN.



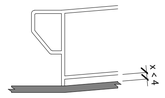
405 EDGE PROTECTION

405.9.1 - THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12 INCHES MINIMUM BEYOND THE INSIDE FACE OF A HANDRAIL.



405 CURB OF BARRIER

405.9.2 - A CURB OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 INCH DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISH FLOOR OR GROUND SURFACE.



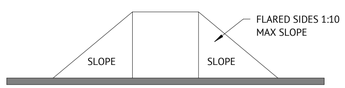
406 CURB RAMP

406.2 - COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.



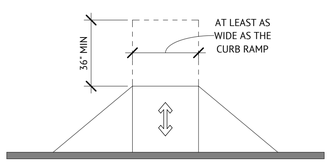
406 SIDES OF CURB RAMP

406.3 - WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER THAN 1:10.



406 LANDINGS

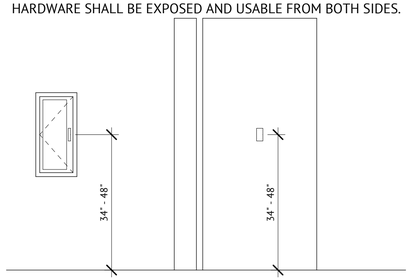
406.4 - LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS. THE LANDING CLEAR LENGTH SHALL BE AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING.



4 ACCESSIBLE ROUTES

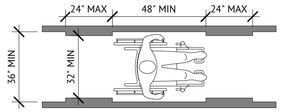
404 DOOR & GATE HARDWARE

404.2.7 - HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS SUCH AS HARDWARE SHALL BE 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDE IN DOORS ARE IN FULLY OPEN POSITIONS, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.



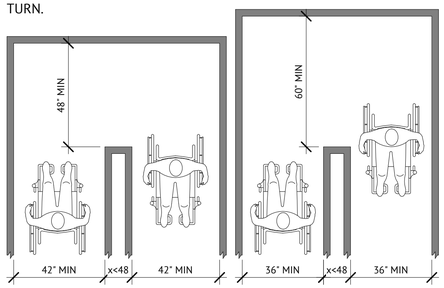
403 WALKING SURFACES

403.5.1 - THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 INCHES MINIMUM FOR A LENGTH OF 24 INCHES MAXIMUM PROVIDED THAT REDUCED WIDTH ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES LONG MINIMUM AND 36 INCHES WIDE MINIMUM.



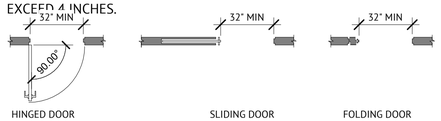
403 CLEAR WIDTH AND TURN

403.5.2 - WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48 INCHES WIDE, CLEAR WIDTH SHALL BE 42 INCHES MINIMUM APPROACHING THE TURN, 48 INCHES MINIMUM AT THE TURN AND 42 INCHES MINIMUM LEAVING THE TURN.



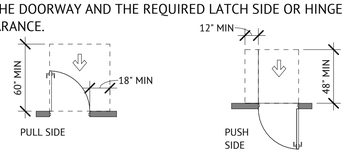
404 DOOR, DOORWAYS, AND GATES

404.2.3 - DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES.



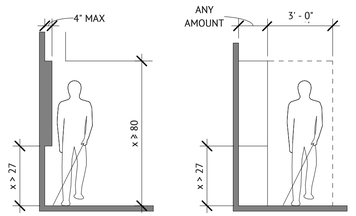
404 MANEUVERING CLEARANCES

404.2.4 - MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.



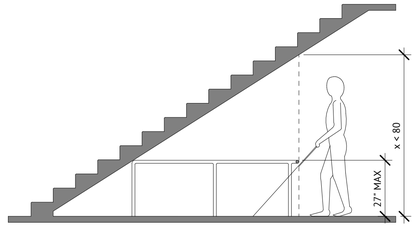
307 PROTRUDING OBJECTS

307.2 - OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE FINISH FLOOR AND GROUND SHALL PROTRUDE 4 INCHES MAXIMUM HORIZONTALLY INTO CIRCULATION PATH.



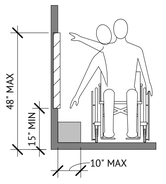
307 VERTICAL CLEARANCE

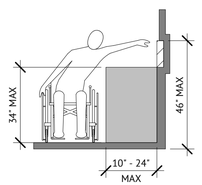
307.4 - VERTICAL CLEARANCE SHALL BE 80 INCHES HIGH MINIMUM. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80 INCHES HIGH. THE LEADING EDGE OF SUCH GUARDRAILS OR BARRIER SHALL BE LOCATED 27 INCHES MAXIMUM ABOVE FINISH FLOOR OR GROUND.



308 REACH RANGES

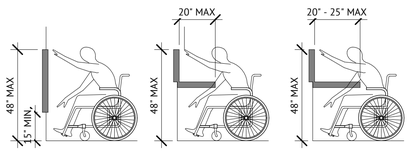
308.2.1 - WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.





308 REACH RANGES

308.2.1 - WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.



3 BUILDING BLOCKS

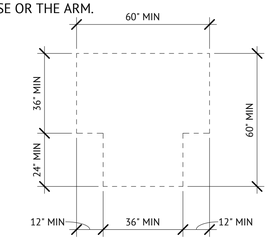
302 FLOOR OR GROUND SURFACES

303.2 - CHANGES IN LEVEL OF 1/4" HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.



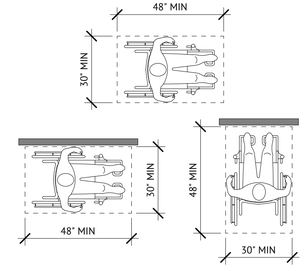
304 TURNING SPACE

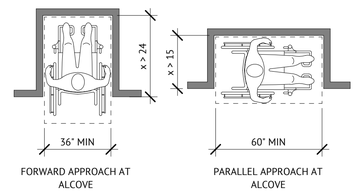
304.3.2 - THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60 INCHES SQUARE MINIMUM WITH ARMS AND BASE 36 INCHES WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTION 12 INCHES MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTION 24 INCHES MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR THE ARM.



305 CLEAR FLOOR OR GROUND SPACE

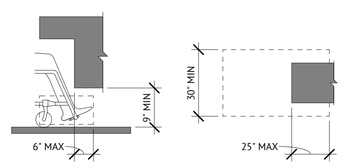
305.3 - THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30 INCHES MINIMUM BY 48 INCHES MINIMUM.





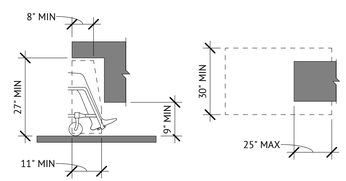
306 KNEE AND TOE CLEARANCE

306.2.1 - SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE.



306 KNEE AND TOE CLEARANCE

306.3.1 - SPACE UNDER AN ELEMENT BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE.



NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.

LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110, SAN ANTONIO, TX 78212

REGISTERED ARCHITECT CESAR SOSA REYES 24818 STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD., SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

ISSUED FOR PERMIT

PROJECT NUMBER: 189.02.02
PROJECT DATE: 08/07/2025
PROJECT MANAGER: JS
PROJECT TEAM: LDS

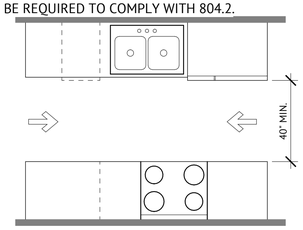
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ACCESSIBILITY STANDARDS

G-004

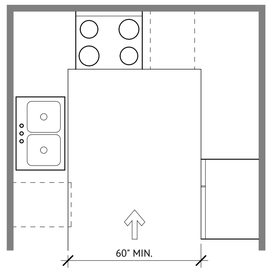
804 KITCHEN AND KITCHENETTES

804.2.1 - IN PASS THROUGH KITCHENS WHERE COUNTERS, APPLIANCES OR CABINETS ARE ON TWO OPPOSITE SIDES, OR WHERE COUNTERS, APPLIANCES OR CABINETS ARE OPPOSITE A PARALLEL WALL, CLEARANCE BETWEEN ALL OPPOSING BASE CABINETS, COUNTER TOPS, APPLIANCES OR WALLS WITHIN KITCHENS SHALL HAVE TWO ENTRIES. EXCEPTION - SPACES THAT DO NOT PROVIDE COOKTOPS OR CONVENTIONAL RANGE SHALL NOT BE REQUIRED TO COMPLY WITH 804.2.



804 U-SHAPED

804.2.2 - IN U-SHAPED KITCHENS ENCLOSED ON THREE CONTIGUOUS SIDES, CLEARANCES BETWEEN ALL OPPOSING BASE CABINETS, COUNTER TOPS, APPLIANCES, OR WALLS WITHIN KITCHEN WORK AREAS SHALL BE 60 INCHES MINIMUM.



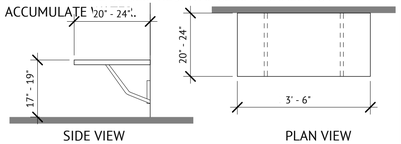
9. BUILT IN ELEMENTS

903 BENCHES

903.3 - BENCHES SHALL HAVE SEATS THAT ARE 42 INCHES LONG MINIMUM AND 20 INCHES DEEP MINIMUM AND 24 INCHES DEEP MAXIMUM.

903.5 - THE TOP OF THE BENCH SEAT SURFACE SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE FINISH FLOOR OR GROUND.

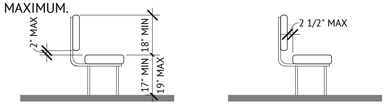
903.7 - WHERE INSTALLED IN WET LOCATIONS, THE SURFACE OF THE SEAT SHALL BE SLIP RESISTANCE AND SHALL NOT ACCUMULATE



SIDE VIEW PLAN VIEW

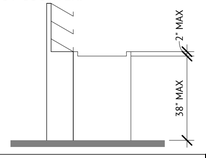
903 BENCHES

903.3 - BENCHES SHALL HAVE SEATS THAT ARE 42 INCHES LONG MINIMUM AND 20 INCHES DEEP MINIMUM AND 24 INCHES DEEP MAXIMUM.



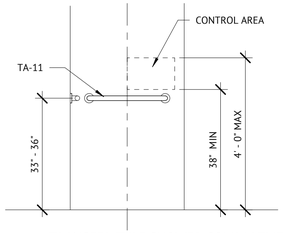
903 CHECK OUT AISLES AND SALES & SERVICE COUNTERS

904.3.2 - THE COUNTER SURFACE HEIGHT SHALL BE 38 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. THE TOP OF THE COUNTER EDGE PROTECTION SHALL BE 2 INCHES MAXIMUM ABOVE THE TOP OF THE COUNTER SURFACE ON THE AISLE SIDE OF THE CHECK-OUT COUNTER.



608 SHOWER COMPARTMENTS

608.5.1 - IN TRANSFER TYPE SHOWER COMPARTMENTS, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL OPPOSITE THE SEAT 38 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE SHOWER FLOOR AND SHALL BE LOCATED ON THE CONTROL WALL 15 INCHES MAXIMUM FROM THE CENTERLINE OF THE SEAT TOWARD THE SHOWER OPENING.

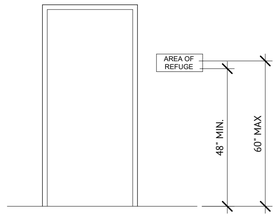


TRANSFER TYPE SHOWER COMPARTMENT CONTROL LOCATION

7. COMMUNICATION ELEMENTS & FEATURES

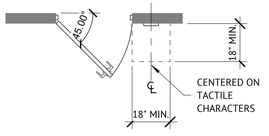
703 LOCATION OF TACTILE SIGNS AT DOORS

703.4.1 - TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.



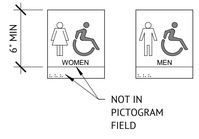
703 LOCATION OF TACTILE SIGNS AT DOORS

703.4.2 - WHERE THE TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION



703 PICTOGRAM FIELD

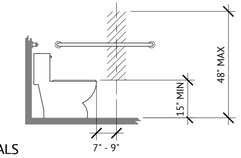
703.6.1 - PICTOGRAM SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.



8. SPECIAL ROOMS

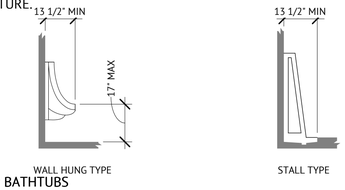
604 DISPENSERS

604.7 - TOILET PAPER DISPENSERS SHALL BE 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE FINISHED FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.



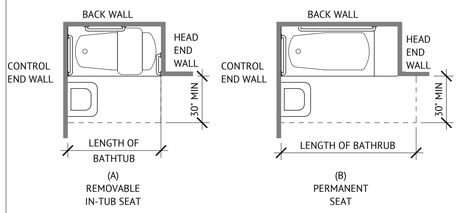
605 URINALS

605.2 - URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND. URINALS SHALL BE 13 1/2 INCHES DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.



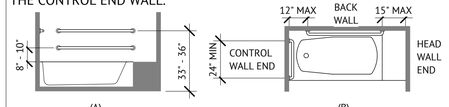
607 BATHTUBS

607.2 - CLEARANCE IN FRONT OF BATHTUBS SHALL EXTEND THE LENGTH OF THE BATHTUB AND SHALL BE 30 INCHES WIDE MINIMUM. A LAVATORY COMPLYING SHALL BE PERMITTED AT THE CONTROL END OF THE CLEARANCE. WHERE A PERMANENT SEAT IS PROVIDED AT THE HEAD END OF THE BATHTUB, THE CLEARANCE SHALL EXTEND 12 INCHES MINIMUM BEYOND THE WALL AT THE HEAD END OF THE BATHTUB.



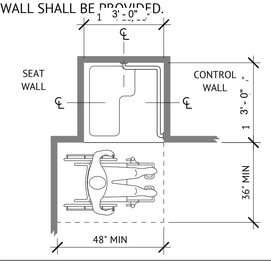
607 BATHTUBS

607.4.1.1 - TWO GRAB BARS SHALL BE INSTALLED ON THE BACK WALL, ONE LOCATED 8 INCHES MINIMUM AND 10 INCHES MAXIMUM ABOVE THE RIM OF THE BATHTUB. EACH GRAB BAR SHALL BE INSTALLED 15 INCHES MAXIMUM FROM THE HEAD AND WALL AND 12 INCHES MAXIMUM FROM THE CONTROL END WALL.



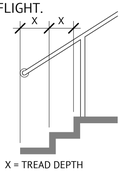
608 SHOWER COMPARTMENTS

608.2.1 - TRANSFER SHOWER COMPARTMENTS SHALL BE 36 INCHES BY 36 INCHES CLEAR INSIDE DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 36 INCH WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT. CLEARANCE OF 36 INCHES WIDE MINIMUM BY 48 INCHES LONG MINIMUM MEASURED FROM THE CONTROL WALL SHALL BE PROVIDED.



505 BOTTOM EXTENSION AT STAIRS

505.10.3 - AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. EXTENSION SHALL RETURN TO WALL, GUARD, THE LANDING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.



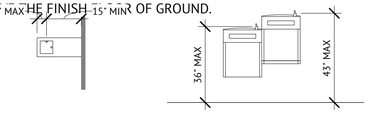
6. PLUMBING ELEMENTS AND FACILITIES

602 DRINKING FOUNTAINS

602.5 - THE SPOUT LOCATION SHALL BE LOCATED 15 INCHES FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE EDGE OF THE UNIT, INCLUDING BUMPERS.

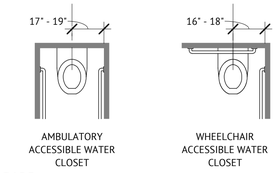
602.6 - THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL MEASURE HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED 3 INCHES AND 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

602.7 - SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FINISH FLOOR OF GROUND.



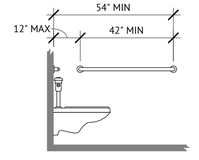
604 WATER CLOSETS AND TOILET COMPARTMENTS

604.2 - THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO THE ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OF PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM TO 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.



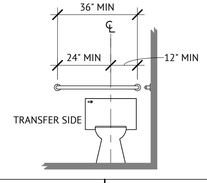
604 GRAB BARS

604.5.1 - THE SIDE WALL GRAB BAR SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL.



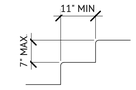
604 GRAB BARS

604.5.2 - THE REAR WALL GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE.



504 STAIRWAYS

504.2 - ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES HIGH MAXIMUM. TREADS SHALL BE 11 INCHES DEEP MINIMUM.



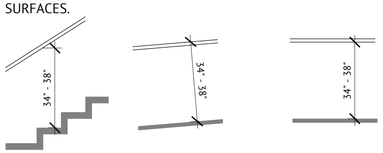
504 NOSING

504.5 - THE RADIUS OF CURVATURE AT THE LANDING EDGE OF THE TREAD SHALL BE 1/2" MAXIMUM. NOSING THAT PROJECTS BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LANDING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT A ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 1 1/2 INCHES MAXIMUM OVER THE TREAD BELOW.



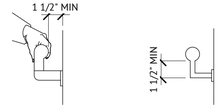
505 HANDRAILS

505.4 - TOP OF GRIPING SURFACES OF HANDRAILS SHOULD BE 34 INCHES MINIMUM AND 38 INCHES MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSING AND RAMP SURFACES.



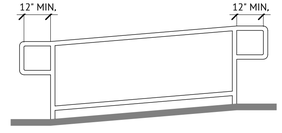
505 HANDRAIL CLEARANCE

505.5 - CLEARANCE BETWEEN HANDRAILS GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1 1/2 INCHES MINIMUM.



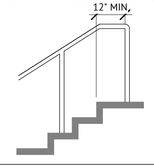
505 TOP AND BOTTOM EXTENSION AT RAMPS

505.10.1 - RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO WALLS, GUARD OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAILS OF AN ADJACENT RAMP RUN.



505 TOP EXTENSION AT STAIRS

505.10.2 - AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAILS OF AN ADJACENT STAIR FLIGHT.



NOTICE:
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LIQUE DESIGN STUDIO, LLC
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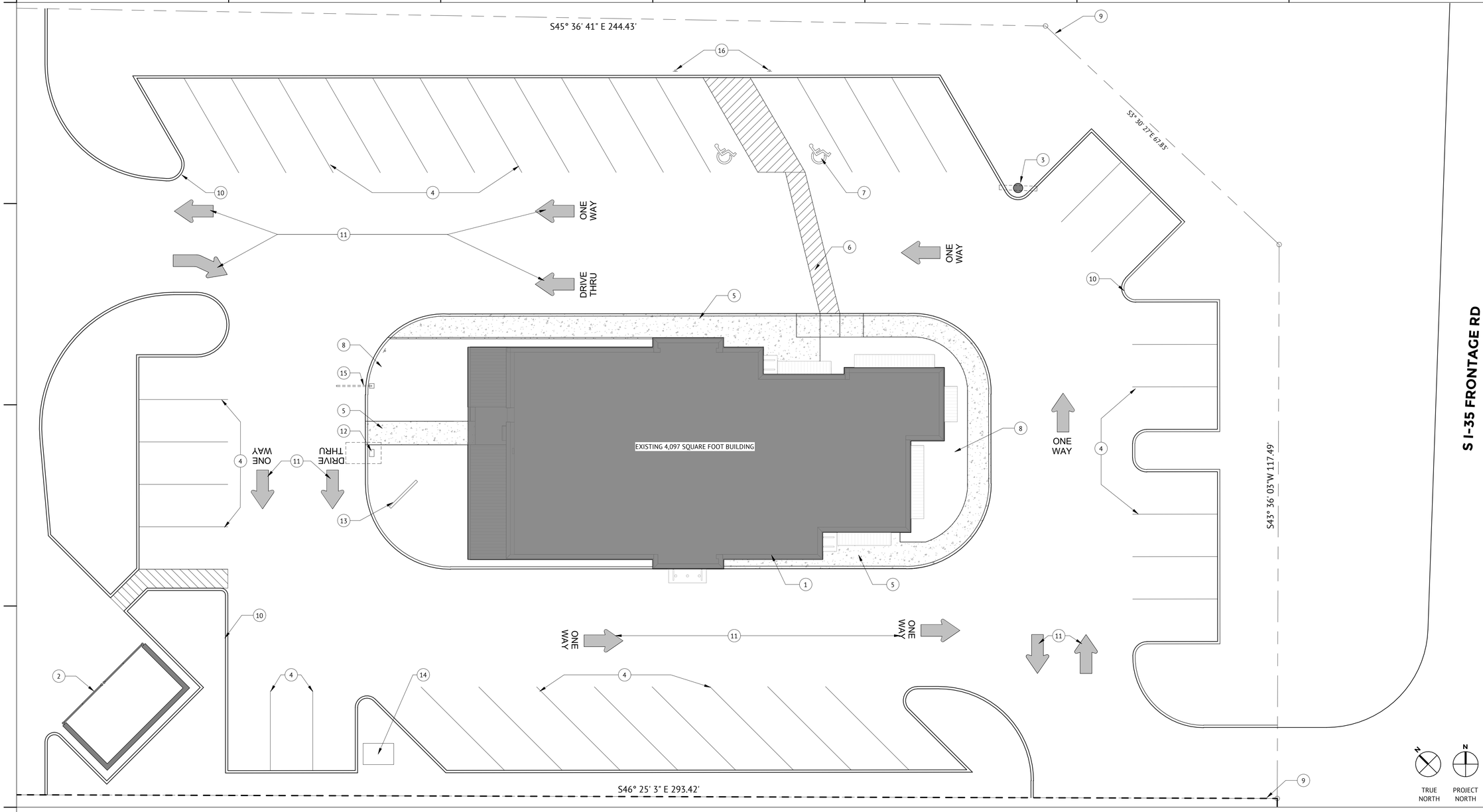
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ACCESSIBILITY STANDARDS

G-005



KEYNOTES

1. EXISTING BUILDING
2. EXISTING TRASH ENCLOSURE
3. EXISTING PYLON SIGNAGE
4. EXISTING PAINTED PARKING STRIPE
5. EXISTING CONCRETE SIDEWALK
6. EXISTING ACCESSIBLE ROUTE, PAINT STRIPES
7. EXISTING PAINTED ACCESSIBLE SPACE
8. EXISTING LANDSCAPE
9. PROPERTY LINE
10. TYP. CURB
11. EXISTING PAINTED DIRECTIONAL ARROW
12. EXISTING DRIVE-THRU CANOPY
13. EXISTING MENU BOARD
14. EXISTING PAD MOUNTED TRANSFORMER
15. EXISTING HEIGHT CLEARANCE STRUCTURE
16. EXISTING ACCESSIBLE SPACE SIGNAGE

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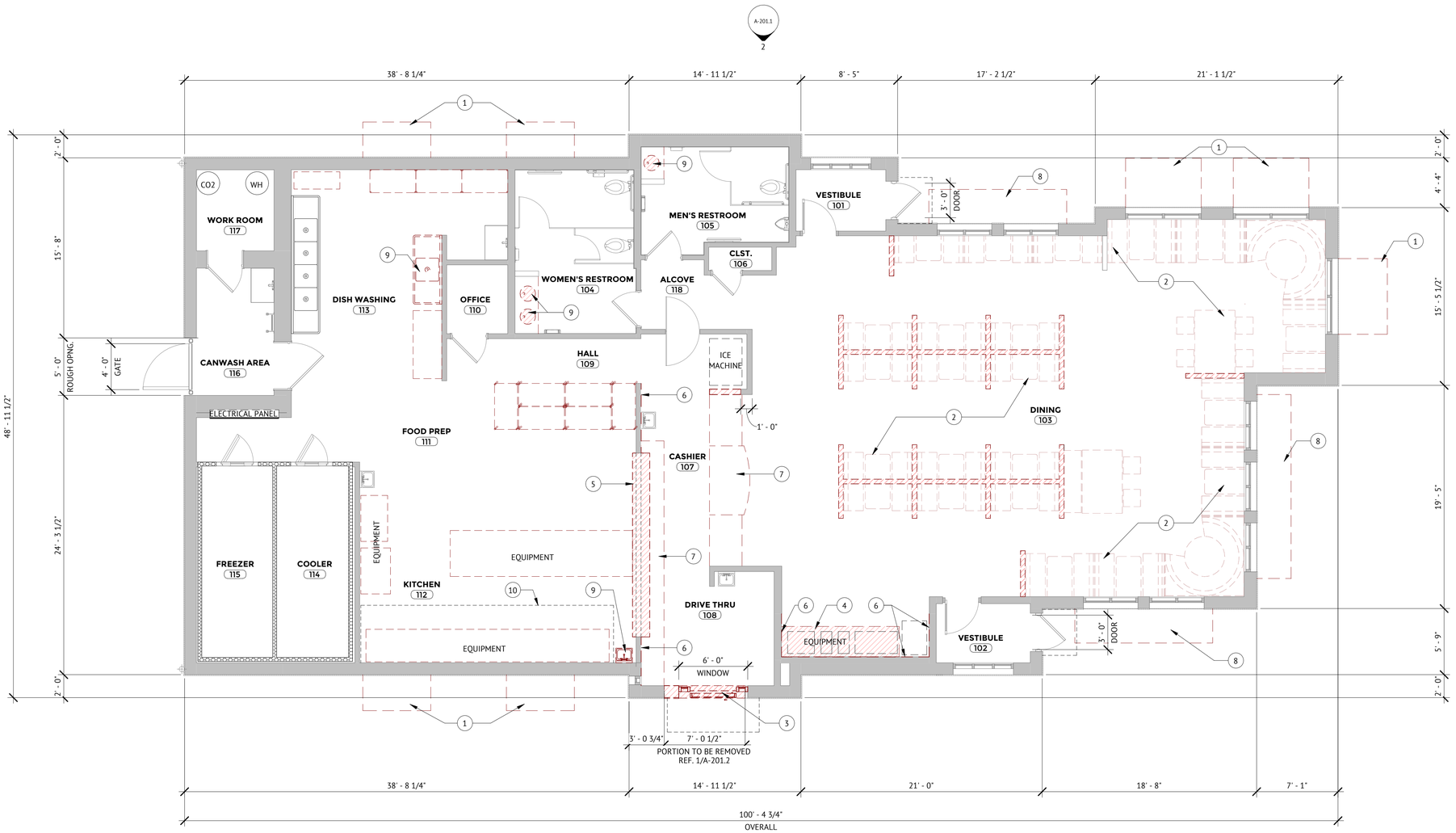
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ARCHITECTURAL SITE PLAN

A-100



1 DEMOLITION FLOOR PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH

PROJECT NORTH

DEMO. PARTITION LEGEND

- AREA OF WALL TO REMAIN
- FREEZER WALL TO REMAIN
- AREA OF WALL TO BE REMOVED.
- INDICATES ITEM TO BE DEMOLISHED

KEYNOTES

1. REMOVE EXISTING SHUTTER ABOVE
2. REMOVE EXISTING DINING FURNITURE
3. REMOVE DRIVE-THRU WINDOW; PREPARE FOR NEW DRIVE-THRU DOOR TO BE INSTALLED
4. REMOVE EXISTING FINISHES FROM DRINK COUNTER; REPAIR MILLWORK WHERE NEEDED AND PREP FOR NEW FINISHES
5. REMOVE PASS-THRU WINDOW SHELF; PREPARE FOR NEW PASS-THRU SHELF TO BE INSTALLED
6. REMOVE WALL TILE
7. REMOVE EXISTING MILWORK
8. REMOVE EXISTING CANOPY
9. REMOVE PLUMBING FIXTURE
10. EXISTING KITCHEN HOOD ABOVE

DEMOLITION GENERAL NOTES

1. THE DEMOLITION SCOPE INCLUDES ALL REMOVALS INDICATED ON THIS SHEET, AS WELL AS ANY DEMOLITION REQUIRED TO COMPLETE THE SCOPE OF NEW CONSTRUCTION, UNLESS NOTED OTHERWISE.
2. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY. MINOR CHANGES IN THE DEMOLITION SCOPE SHALL NOT CONSTITUTE A BASIS FOR ADDITIONAL COST.
3. PROTECT ALL AREAS, MATERIALS, AND FINISHES SCHEDULED TO REMAIN. REPAIR ANY DAMAGE AND PREPARE SURFACES AS REQUIRED TO RECEIVE NEW FINISHES PER SPECIFICATIONS.
4. WHERE NEW FINISHES ARE TO BE APPLIED, REMOVE ALL EXISTING FINISHES DOWN TO THE SUBSTRATE. PATCH, OR RESTORE THE SUBSTRATE TO THE CONDITION REQUIRED BY THE NEW MANUFACTURER OF THE NEW FINISH AND PER PROJECT SPECIFICATIONS PRIOR TO INSTALLING NEW FINISHES.
5. REMOVE ALL WALL AND CEILING AND FLOOR MOUNTED DEVICES, EQUIPMENT, AND COVER PLATES PRIOR TO THE INSTALLATION OF NEW FINISHES UNLESS NOTED OTHERWISE.
6. PATCH AND REPAIR ALL EXISTING FLOORING SURFACES DAMAGED DURING FINISH REMOVAL OPERATIONS.
7. ALL EXISTING EQUIPMENT IS TO BE REPLACED WITH EQUIPMENT PROVIDED BY TRIMARK, REF. KITCHEN SHEETS

NOTICE:
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REGISTERED ARCHITECT
CESAR SOSA REYES
24818
STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

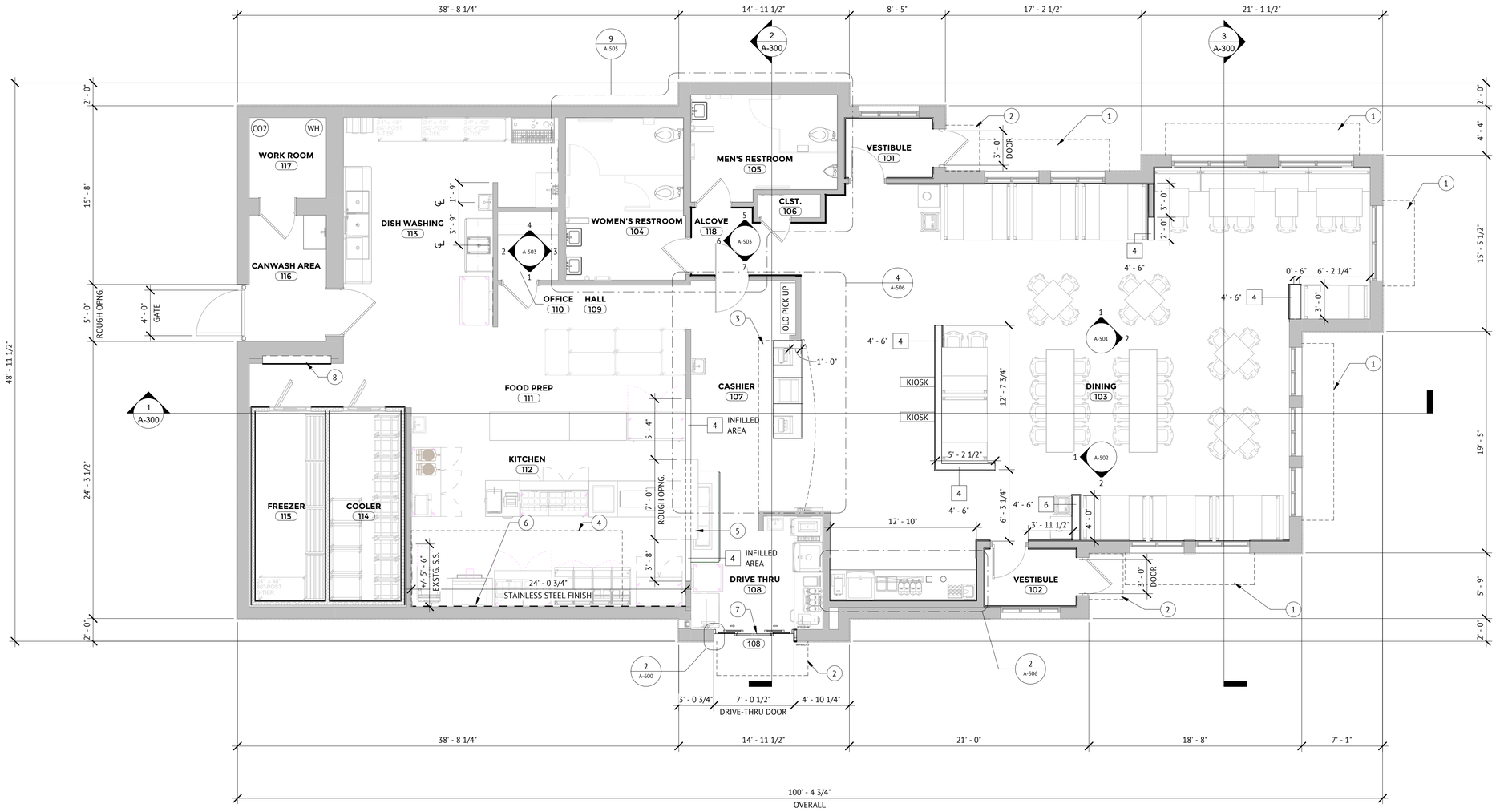
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PROJECT DATE: 08/07/2025
PROJECT MANAGER: JS
PROJECT TEAM: LDS

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EXISTING/ DEMOLITION FLOOR PLAN

A-101



1 PROPOSED FLOOR PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH

PROJECT NORTH

PARTITION LEGEND

- 11 / 6 — NUMBER INDICATES STUD HEIGHT (IN FEET). NO NUMBER INDICATES TO DECK/STRUCTURE; NUMBER INDICATES STUD SIZE
- REFERENCE SIDE: 4 - 3 5/8" METAL STUD; 6 - 6" METAL STUD
- OPPOSITE SIDE
- INDICATES PRE-EXISTING WALL
- INDICATES FREEZER OR COOLER PANEL
- INDICATES STUD WALL

KEYNOTES

1. PRE-FABRICATED METAL AWNING ABOVE, REF. SPECS
2. EXISTING CANOPY ABOVE
3. EXISTING BULKHEAD
4. HOOD ABOVE
5. PASS-THRU SHELF, REF. SPECS
6. STAINLESS STEEL FINISH
7. DRIVE-THRU DOOR, REF. SPECS
8. ELECTRICAL PANELS

PARTITION NOTES

1. SEE FLOOR PLAN FOR TYPE NOTATION.
2. THESE TYPES INDICATE PRIMARY INTERIOR PARTITIONS. EXTERIOR WALLS, OVERLAID VENEERS, WAINSCOTS, PILASTERS AND OTHER VARIANTS AND SPECIAL CONDITIONS ARE INDICATED ON THE PLANS AND DETAILS.
3. ALL WALLS THAT CONTAIN OR ARE ADJACENT TO PLUMBING FIXTURES SHALL RECEIVE MOISTURE RESISTANT GYP BOARD.
4. BRACE TOP OF INTERIOR NON-LOAD-BEARING WALLS WITH 45 DEGREE DIAGONAL 2X6 STUD BRACE NAILED TO THE ROOF FRAMING ABOVE, ATTACH STUD BRACE TO TOP OF WALL WITH (2) 10D NAILS AND SPACE AT 4'-0" O.C. MAXIMUM. PROVIDE 1/4" GAP BETWEEN TOP PLATE AND ROOF DECK.
5. INTERIOR WALLS DIMENSIONED TO EDGE OF FRAMING.
6. INTERIOR SHEATHING TO EXTEND 6" MIN PAST CEILING AT OFFICE, KITCHEN, SERVING, CASHIER AND DRIVE-THRU AREAS.
7. REFERENCE FINISH SCHEDULE FOR WALL / FLOOR FINISH INFORMATION.
8. BOTTOM PLATE OF ALL INTERIOR SILL PLATES TO BE CONSTRUCTED OF PRESERVATIVE-TREATED WOOD IN ACCORDANCE WITH AWPA.
9. NON-COMBUSTIBLE WALL ASSEMBLY AND FINISHES TO EXTEND 18" MIN PAST END OF HOOD, BOTH SIDES.

GENERAL NOTES

1. REFERENCE KITCHEN SHEETS FOR FOR EQUIPMENT INFORMATION AND LAYOUT.
2. GC TO SUBMIT PRE-FABRICATED DRIVE-THRU CANOPY SHOP DRAWINGS BY ARNING COMPANIES (OR APPROVED EQUAL) TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. CANOPY DESIGN TO BE FLAT WITH (4) COLUMN SUPPORT, BLACK FASCIA WITH WHITE DECK PANS, AND VENDOR LIGHTING.
3. ALL NEW FURNITURE AT DINING AREAS BY EQUIPMENT PROVIDER.
4. ALL HAND WASHING SINKS SHALL HAVE SOAP AND PAPER TOWEL DISPENSERS AND PROPER HAND WASHING SIGNAGE INSTALLED. REFER TO SHEET A-505 FOR RESTROOM ACCESSORIES.
5. PAINT ALL EXTERIOR EQUIPMENT TO MATCH ADJACENT WALL COLOR FOR VISUAL CONSISTENCY.
6. CONTRACTOR SHALL CLEAN TILE SURFACES WITH AN AUTO-SCRUB MACHINE AND RE-GROUT ANY AREAS WHERE GROUT IS MISSING OR RECESSED.

NOTICE:
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TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110, SAN ANTONIO, TX 78212

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08/07/2025

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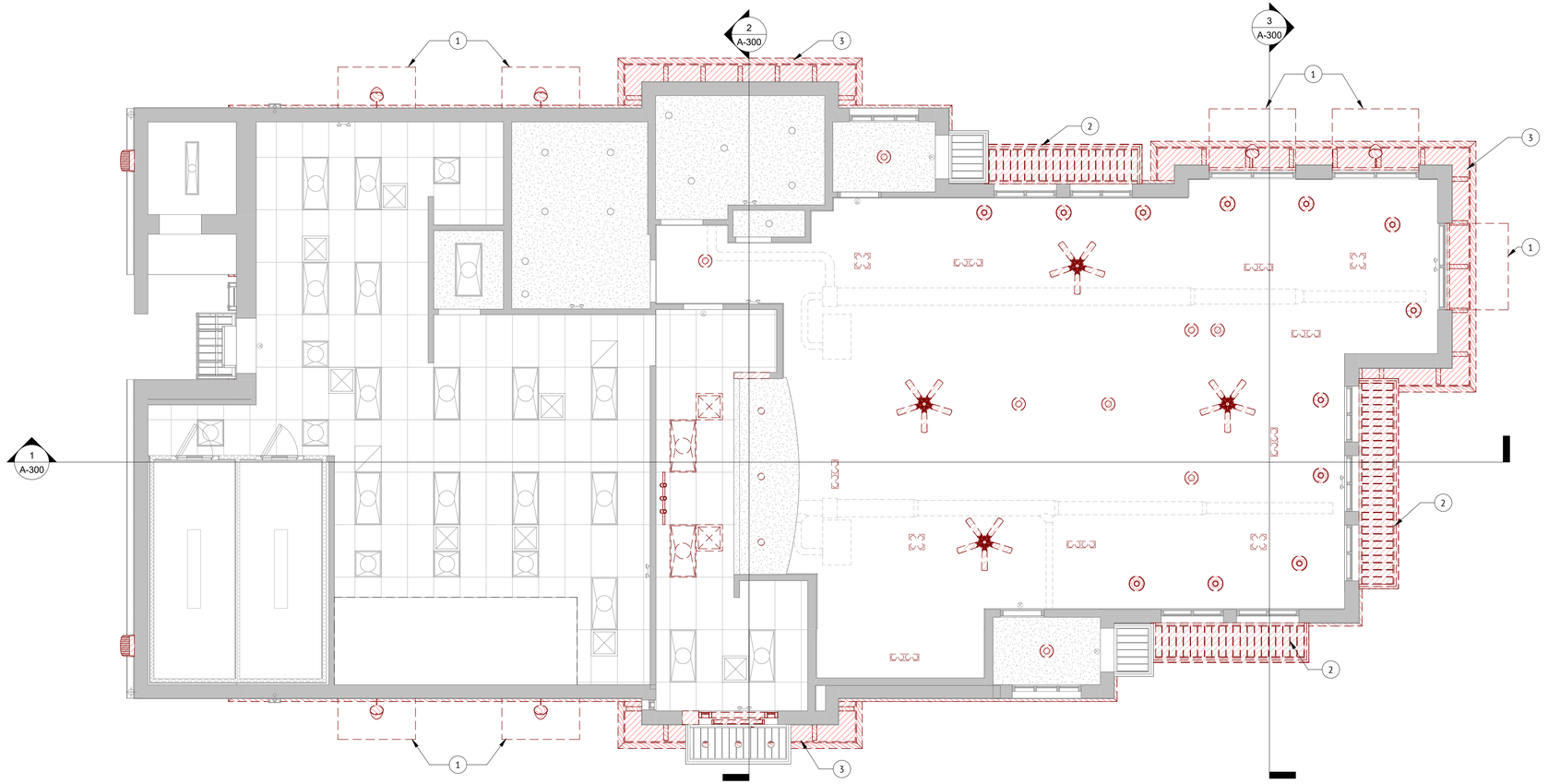
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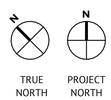
PROPOSED FLOOR PLAN

A-101.1



1 DEMO. REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"



TRUE NORTH | PROJECT NORTH

DEMOLITION CEILING LEGEND

- COMPONENT TO BE REMOVED
- AVIO LIGHT FIXTURE TO BE REMOVED
- AVIO LIGHT FIXTURE TO BE REMOVED
- 6" RECESSED CAN LIGHT TO BE REMOVED
- PENDANT LIGHT TO BE REMOVED
- PENDANT LIGHT TO BE REMOVED
- SUPPLY TO BE REMOVED
- 2X4 LAY IN TO BE REMOVED
- EXTERIOR GOOSENECK TO BE REMOVED
- TRACK LIGHT BAR W/ SPOTS TO BE REMOVED
- CEILING FAN TO BE REMOVED
- WALL PACKS TO BE REMOVED

KEYNOTES

1. SHUTTERS ABOVE TO BE REMOVED
2. CANOPY TO BE REMOVED
3. EIFIS CORNICE ABOVE TO BE REMOVED

NOTICE:
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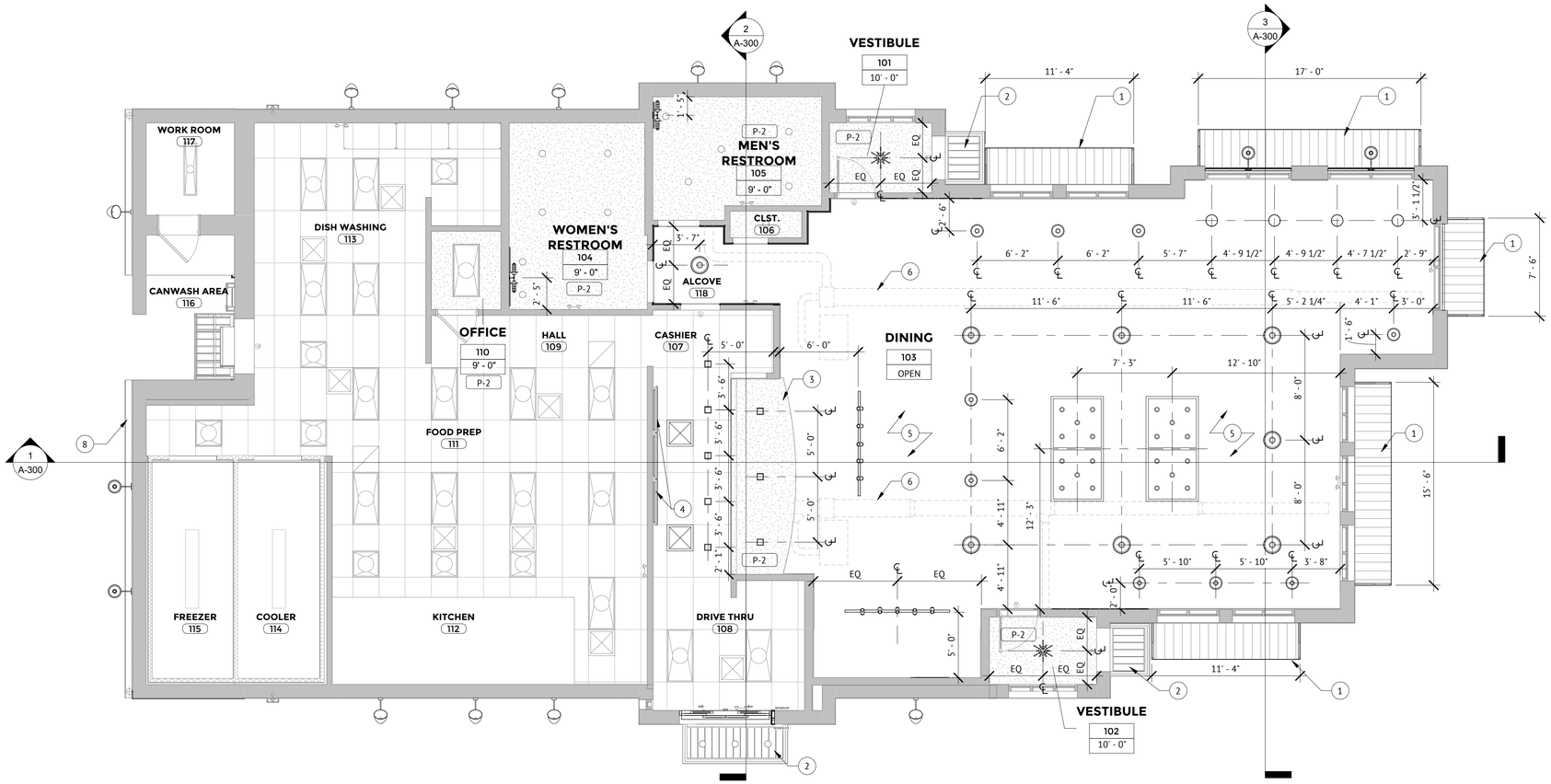
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EXISTING/ DEMO. REFLECTED CEILING PLAN

A-102



1 PROPOSED REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH

PROJECT NORTH

PROPOSED CEILING LEGEND

- HEIGHT / 9'-6" / ACT-1 / FINISH — CEILING FINISH AND HEIGHT TAG INDICATOR
- 7'-0 1/2" — BULKHEAD HEIGHT INDICATOR
- 2'X4' ACOUSTICAL CEILING TILE
- GYP. BOARD CEILING. PAINTED
- PENDANT/CHANDELIER FIXTURE REF ELECTRICAL
- SUPPLY REF MECHANICAL
- EXTERIOR GOOSENECK REF ELECTRICAL
- RECESSED CAN LIGHT REF ELECTRICAL
- TRACK LIGHT BAR W/ SPOTS REF. ELECTRICAL
- PENDANT REF ELECTRICAL
- VANITY LIGHT CENTER OVER SINK REF ELECTRICAL
- LIGHT CLOUD 2X2 METAL TUBES W/ METAL MESH, PAINT BLACK

SHEET NOTES

1. REFERENCE ELECTRICAL LIGHTING PLANS AND SCHEDULES FOR ALL LIGHT FIXTURE MOUNTING AND MODEL INFORMATION.
2. SEE MECHANICAL FOR ALL ELEMENT LOCATIONS AND SIZES.
3. ALL SUSPENDED CEILING TO HANG FROM ROOF STRUCTURE.
4. PROVIDE 2X4 BLOCKING BETWEEN TRUSSES TO MOUNT PENDANT LIGHTING IN DINING AREA AS NEEDED. BLOCKING TO BE PAINTED P-3
5. GC TO COORDINATE PENDANT LIGHT POSITIONS ACCORDING TO TABLE/ FURNITURE LAYOUT.
6. REF A105 FOR FINISH SCHEDULE
7. ALL LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF FIXTURE

KEYNOTES

1. METAL AWNING
2. EXISTING CANOPY ABOVE
3. BULKHEAD
4. LED MENU SCREENS BY OWNER
5. EXPOSED TRUSSES
6. EXISTING DUCT WORK, TO BE PAINTED P-9, REF. A-105
7. KDS MONITOR, VERIFY LOCATION AND QUANTITY WITH OWNER
8. EXISTING GUTTER AND DOWNSPOUT, TO BE PAINTED P-5, REF. A-105

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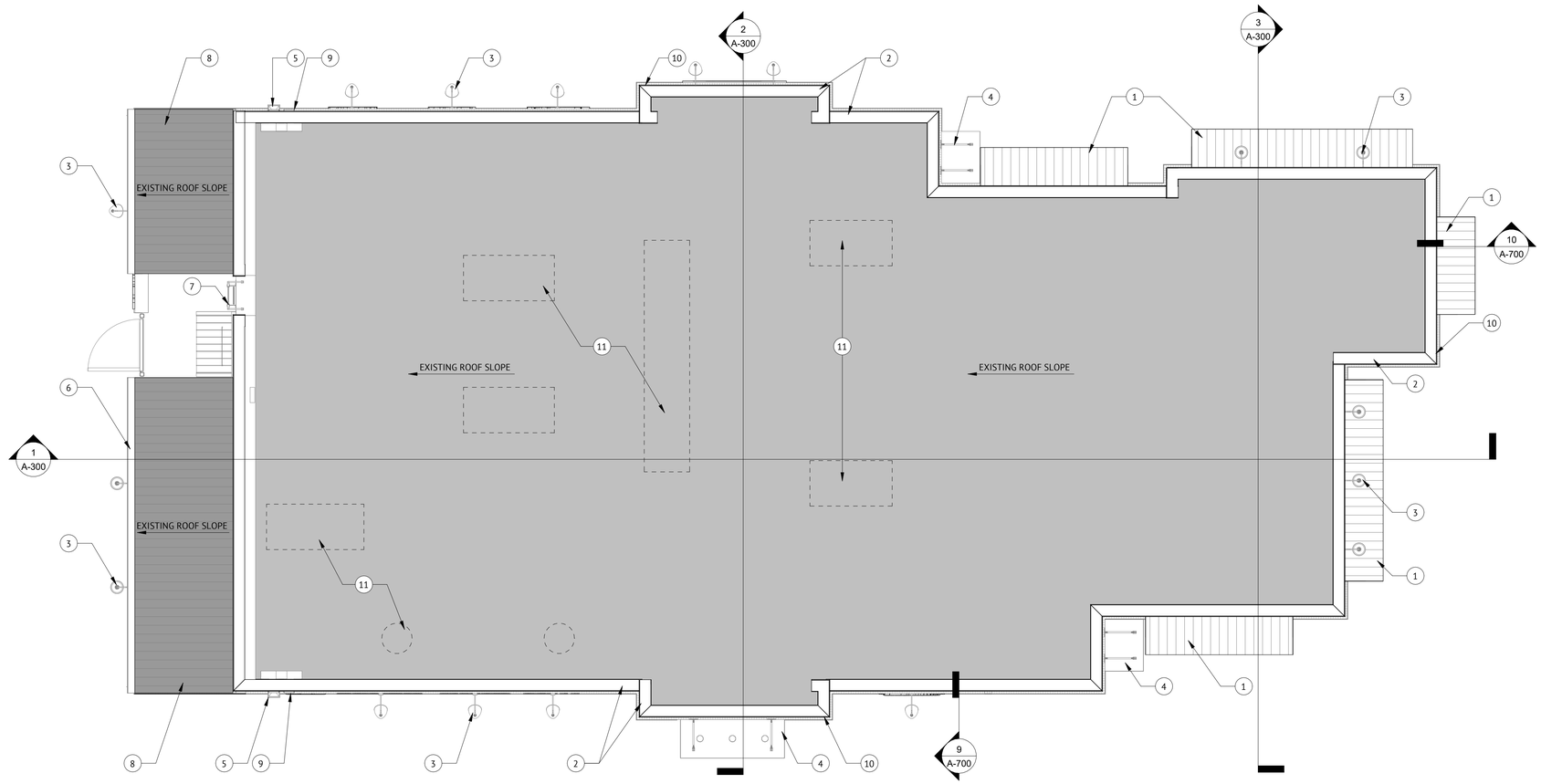
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1 ROOF PLAN

SCALE: 3/16" = 1'-0"

KEYNOTES

1. NEW PRE-FABRICATED METAL AWNING, FRAME TO BE PAINTED (P-11), REF. SPECS
2. NEW METAL COPING (MT-2), REF. SPECS
3. NEW EXTERIOR LIGHTING FIXTURES, REF. ELECTRICAL
4. EXISTING METAL CANOPY TO BE PAINTED (P-5)
5. EXISTING SCUPPER AND DOWNSPOUT TO BE PAINTED (P-5), REF. A-105
6. EXISTING GUTTER AND DOWNSPOUT TO BE PAINTED (P-5), REF. A-105
7. EXISTING ROOF ACCESS LADDER TO BE PAINTED (P-5), REF. A-105
8. EXISTING STANDING SEAM METAL ROOF TO BE PAINTED (P-5), REF. A-105
9. EXISTING OVERFLOW SCUPPER TO BE PAINTED (P-5), REF A-105
10. LINEAR LED STRIP LIGHT UNDER PARAPET CAP, REF. ELEC
11. EXISTING MECHANICAL TO REMAIN

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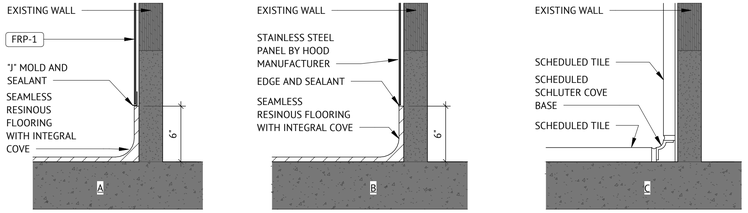
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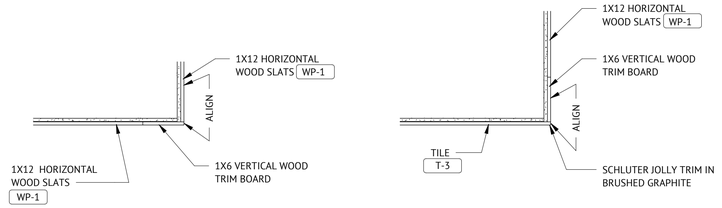
ROOF PLAN

A-103



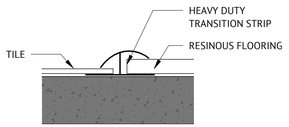
5 BASE DETAILS

SCALE: 6" = 1'-0"



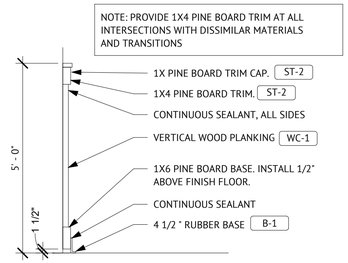
6 TRANSITION DETAIL

SCALE: 1" = 1'-0"



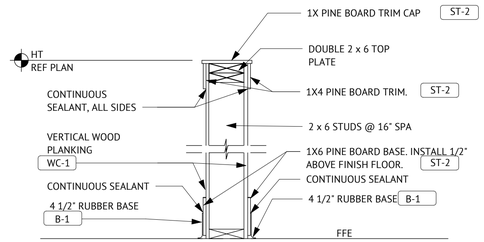
2 TRANSITION DETAIL

SCALE: 6" = 1'-0"



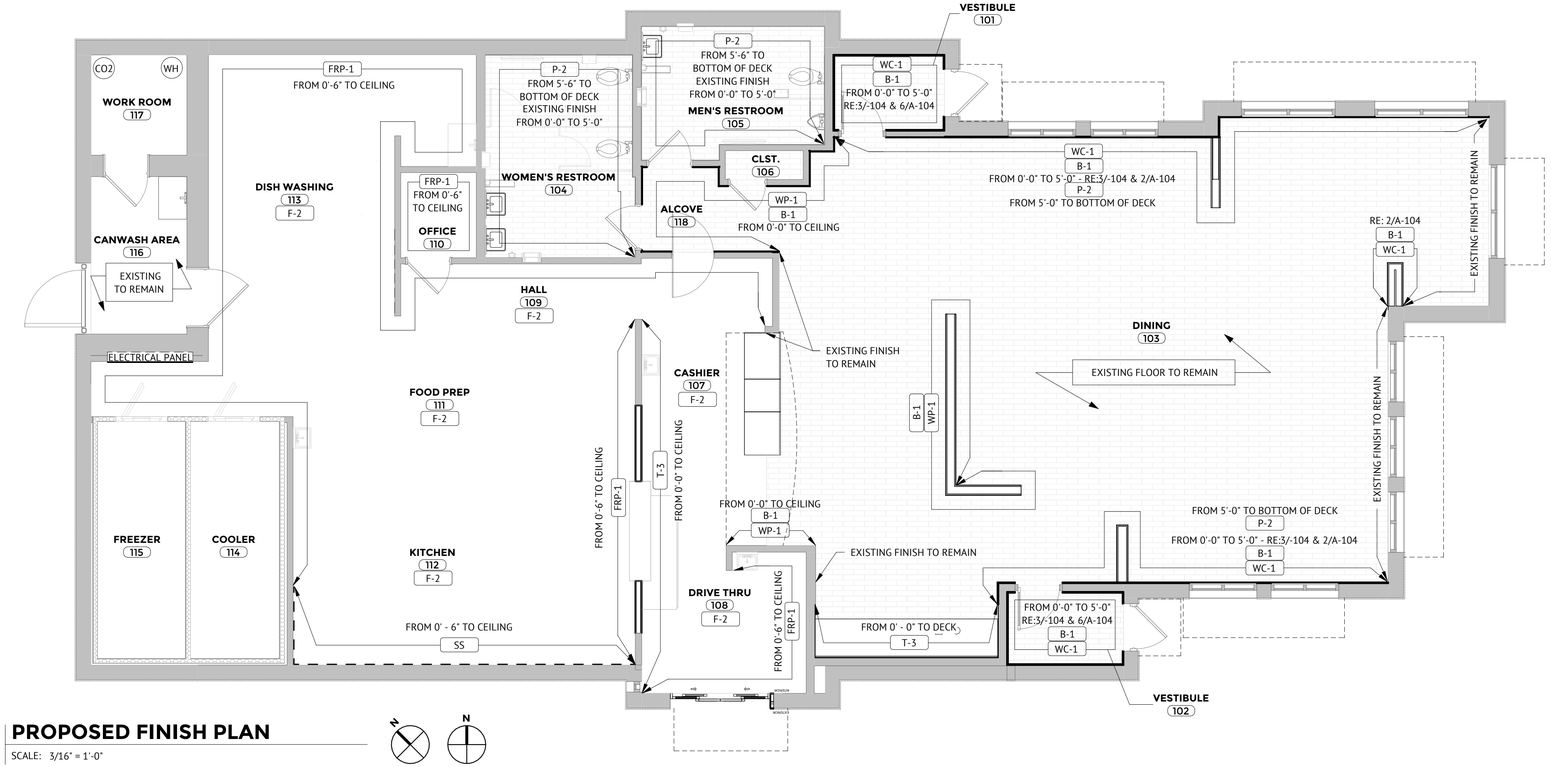
3 INTERIOR WAINSCOT

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



4 WING WALL FINISHES

SCALE: 1" = 1'-0"



1 PROPOSED FINISH PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH

PROJECT NORTH

NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.

GENERAL NOTES

1. REF. A-105 FOR FINISH SCHEDULE.
2. REF. A-506 FOR MILLWORK FINISHES.
3. ALL EXISTING TILE FLOORING TO REMAIN IF IN SERVICEABLE CONDITION.
4. IF FINISHES SCHEDULED TO REMAIN ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR FURTHER COORDINATION REGARDING FLOORING REPLACEMENT OR REPAIR.
5. ALL EXISTING TOILET PARTITIONS TO REMAIN IF IN SERVICABLE CONDITION
6. PREPARE ALL BACK OF HOUSE FLOORING FOR APPLICATION OF RESINOUS FLOORING (F-2). IF EXISTING FLOORING IS MMA, IT MAY BE OVERLAID. IF EPOXY FLOORING IS PRESENT, CONTRACTOR SHALL GRIND DOWN TO CONCRETE TO ENSURE PROPER ADHESION OF NEW RESINOUS FLOORING.
7. GENERAL CONTRACTOR SHALL CLEAN ALL TILE FLOORING USING AN AUTO-SCRUBBER AND RE-GROUT AREAS WHERE GROUT IS MISSING OR LOW.
8. UPON REMOVAL OF EXISTING BOOTHS AND KNEE WALLS AT THE CENTER AREA, IF UNCOVERED FLOORING REVEALS MISSING OR UNFINISHED SECTIONS, REFER TO SHEET A-104.1 FOR ALTERNATE FINISH PLAN. PROVIDE AN INLAY USING TILE (T-4) AS INDICATED.

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WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110, SAN ANTONIO, TX 78212

REGISTERED ARCHITECT CESAR SOSA REYES 24818 STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

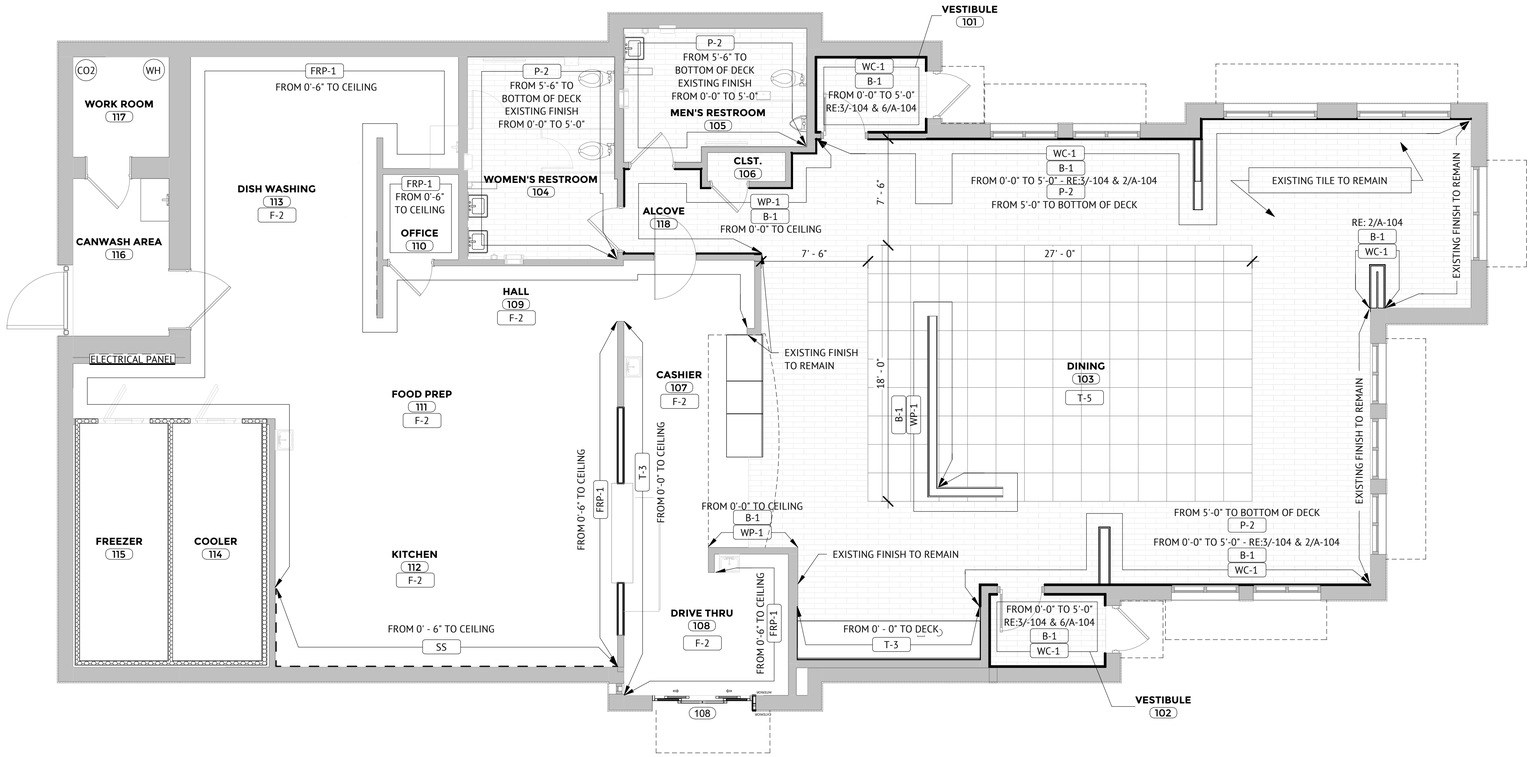
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PROJECT DATE: 08/07/2025
PROJECT MANAGER: JS
PROJECT TEAM: LDS

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FINISH PLAN

A-104



1 PROPOSED FINISH PLAN - ALTERNATE

SCALE: 3/16" = 1'-0"

GENERAL NOTES

1. REF. A-105 FOR FINISH SCHEDULE.
2. REF. A-506 FOR MILLWORK FINISHES.
3. ALL EXISTING TILE FLOORING TO REMAIN IF IN SERVICEABLE CONDITION.
4. IF FINISHES SCHEDULED TO REMAIN ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR FURTHER COORDINATION REGARDING FLOORING REPLACEMENT OR REPAIR.
5. ALL EXISTING TOILET PARTITIONS TO REMAIN IF IN SERVICABLE CONDITION
6. PREPARE ALL BACK OF HOUSE FLOORING FOR APPLICATION OF RESINOUS FLOORING (F-2). IF EXISTING FLOORING IS MMA, IT MAY BE OVERLAID. IF EPOXY FLOORING IS PRESENT, CONTRACTOR SHALL GRIND DOWN TO CONCRETE TO ENSURE PROPER ADHESION OF NEW RESINOUS FLOORING.
7. GENERAL CONTRACTOR SHALL CLEAN ALL TILE FLOORING USING AN AUTO-SCRUBBER AND RE-GROUT AREAS WHERE GROUT IS MISSING OR LOW.
8. UPON REMOVAL OF EXISTING BOOTHS AND KNEE WALLS AT THE CENTER AREA, IF UNCOVERED FLOORING REVEALS MISSING OR UNFINISHED SECTIONS, REFER TO SHEET A-104.1 FOR ALTERNATE FINISH PLAN. PROVIDE AN INLAY USING TILE (T-4) AS INDICATED.

NOTICE:
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ALTERNATE FINISH PLAN

A-104.1

INTERIOR FINISH LEGEND

MARK	DESCRIPTION	MANUFACTURER	FINISH/ STYLE	SPECIFICATIONS	LOCATION	NOTES
	<varies>					
ACT-1	ACOUSTIC CEILING TILE 24 x 48	USG SHEETROCK	WHITE - WASHABLE LAY-IN (2X4)	CLIMAPLUS PERFORMANCE - 3270	BACK OF HOUSE	---
B-1	RUBBER BASE	JOHNSONITE	MANDALAY - 4 1/2" BLACK	---		MITER ALL CORNERS
F-1	SEALED CONCRETE	LOCAL SUPPLIER	TROWEL FINISH W/ LIGHT BROOM TEXTURE	REF. SPEC		COLOR HARDENER: MANUFACTURER SCOFIELD, FINISH P13 DEEP CHARCOAL. CONTACT MARK FELDMAN mfeldman@silikalamerica.com
F-2	RESINOUS MMA FLOORING	RES-TEK OR SILICAL	80% RED OXIDE, 10% BLACK, 10% DARK GRAY	REF. SPEC	KITCHEN / PREP / COOLER / DRIVE-THRU / OFFICE / STORAGE	SEE DETAIL, INCLUDES INTEGRAL BASE/ RES-TEK: jason Redfield (913) 375-5191 (jason.redfield@res-tek.net) / SILIKAL: Andry Mills (andymills@silikalamerica.com)
F-3	SEALED CONCRETE	LOCAL SUPPLIER	BRUSHED FINISH	REF. SPEC		PROSOCO - CONCRETE PROTECTOR SB / COLOR HARDENER (NOT AT DUMPSTER STORAGE): MANUFACTURER SCOFIELD, FINISH P13 DEEP CHARCOAL
FRP-1	FIBERLASS REINFORCED PANEL	CRANE (OR APPROVED EQUAL)	SMOOTH FINISH - WHITE (85)	---	BACK OF HOUSE	
MT-1	METAL ROOFING	METAL SALES MANUFACTURING CORP.	CLEAR	26 GAUGE	AWNING	---
MT-2	PRE-FINISHED METAL COPING	HOLCIM	UNA-CLAD / CLEAR ANODIZED KYNAR 500 FINISH	.05" GAUGE	COPINGS	---
P-1	PAINT	SHERWIN WILLIAMS	SW7005 - PURE WHITE - SEMI GLOSS	A-100	EXTERIOR FIBER CEMENT BOARD TRIM	SW PRIMER - QUICK DRY STAIN BLOCKING PRIMER
P-2	PAINT	SHERWIN WILLIAMS	SW7005 - PURE WHITE - SATIN	PROMAR 200 ZERO VOC	DINNING GYP WALLS & CEILING / HALLWAY & RESTROOMS GYP CEILING/ DUMPSTER STORAGE GYP CEILING	SW PRIMER - PVA DRYWAL PRIMER & SEALER / WHITE
P-5	PAINT	SHERWIN WILLIAMS	SW 6258 - TRICORN BLACK/ SEMI-GLOSS	DTM ACRYLIC / ULTRADEEP	HM DOORS & FRAMES, GUTTERS, DOWNSPOUTS, SCUPPERS, AWNING FRAMES, CANOPIES AND GATE	SW PRIMER: BASE: TINT 50% PRO-CRYL UNIVERSAL PRIMER / OFF-WHITE
P-6	PAINT	SHERWIN WILLIAMS	B66R308	SHER-CRYL HPA HIGH PERFORMANCE ACRYLIC RED	STOREFRONT ENTRY DOOR	SW PRIMER: BASE: TINT 50% PRO-CRYL UNIVERSAL PRIMER / OFF-WHITE
P-9	PAINT	SHERWIN WILLIAMS	B66R308 - SEE FINISH NOTE 4		DINING ROOM DUCTWORK, EXCLUDES GRILLS / BOLLARD COLOR FOR EXTERIOR	SW PRIMER: GRAY PRO-CRYL UNIVERSAL PRIMER / OFF WHITE
P-10	PAINT	BENJAMIN MOORE	CHELSEA GRAY HC-168	---	STUCCO BANDING	
P-11	PAINT	BENJAMIN MOORE	THUNDER AF-685	---	EXTERIOR STUCCO WALLS	
PL-2	PLASTIC LAMINATE	NEVAMAR	CALYPSO	---	OFFICE COUNTERTOP	---
PL-5	PLASTIC LAMINATE	MSW	NEVAMAR RUSH	---	DRINK STATION	---
PL-6	PLASTIC LAMINATE	MSW	RANCHO RED PINE LAMINATE	---	OLO AND POS COUNTER, INTERIORS TO BE MATTE BLACK	---
SS	STAINLESS STEEL	TRIMARK	---	---	BEHIND FRYERS AND AT BACK OF HOUSE (PER PLANS)	
SS-2	SOLID SURFACE	WILSONART	FLINT ROCK	REF MILLWORK VENDOR	POS COUNTERTOP	---
SSCT	STAINLESS STEEL COUNTERTOP	TRIMARK	---	CRAZY MESS, RANDOM GRIND	DRINK STATION COUNTERTOP	SEE DETAIL 3/A-506
ST-1	WOOD STAIN	MINWAX	CLASSIC GRAY	PREMIXED WOOD STAIN	WP-1	FAST DRY VINYL SEALER // HI-BUILD PRECAST LACQUER / STAIN
ST-2	WOOD STAIN	MINWAX	MOCHA	PREMIXED WOOD STAIN, CLEAR COAT FINISH	WC-1	BRUSH ON / WIPE OFF
T-3	HEXAGONAL WALL TILE	PANTHEON	ESSEX MATTE WHITE (8" X 9.5")	SCHLUTER JOLLY IN BRUSHED GRAPHITE	BEVERAGE COUNTER WALL AND POS BACK WALL	GROUT TO BE CUSTOM RED** - CONTACT ERIC SCHICK (eric@pantheontile.com)
T-5	CONCRETE LOOK FLOOR TILE	PANTHEON	PANTHEON 220-205 (24"X24")	---	DINING ROOM FLOOR	PLANK PATTERN, 1/8" SPACING, GROUT TO BE CUSTOM PRISM #60 CHARCOAL // REF A104 FOR TILE PATTERN DIRECTION - CONTACT ERIC SCHICK (eric@pantheontile.com)
WC-1	WOOD WAINSCOT	LOCAL SUPPLIER	ST-2	8" V-GROOVE WOOD PLANKING - INSTALLED VERTICALLY	DINING & WAINSCOT	REF: 3&4 - A104 - CONTACT: ADAM MURRAY (adam@mswinc.com)
WP-1	WOOD PLANK	LOCAL SUPPLIER	ST-1	1X10 WOOD PLANK	CASHIER, KIOSK & HALLWAY	SEE DETAIL 5/A104, ALL BUTTED JOINTS, NO MITER CUTS

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	NOTES
101	VESTIBULE	EXISTING	B-1	WC-1 / P-2	P-2	---
102	VESTIBULE	EXISTING	B-1	WC-1 / P-2	P-2	---
103	DINING	EXISTING	B-1	WC-1 / P-2 / T-3 / WP-1	EXISTING / P-5	T-3 AT DRINKWALL - REF. INTERIOR ELEVATIONS; ALL EXPOSED SPIRAL DUCT TO BE PAINTED P-9
104	WOMEN'S RESTROOM	EXISTING	EXISTING	EXISTING / P-2	P-2	ALL EXISTING TILE TO REMAIN
105	MEN'S RESTROOM	EXISTING	EXISTING	EXISTING / P-2	P-2	ALL EXISTING TILE TO REMAIN
106	CLST.	EXISTING	EXISTING	EXISTING / P-2	P-2	---
107	CASHIER	F-2	---	T-3 / FRP-1	ACT-1	---
108	DRIVE THRU	F-2	COVE BASE	T-3 / FRP-1	ACT-1	---
109	HALL	F-2	COVE BASE	FRP-1	EXISTING	---
110	OFFICE	F-2	COVE BASE	FRP-1	EXISTING	---
111	FOOD PREP	F-2	COVE BASE	FRP-1	EXISTING	---
112	KITCHEN	F-2	COVE BASE	FRP-1 / SS	EXISTING	REF. ELEVATIONS FOR SS EXTENTS. REF A-104 FOR EXTENTS. RE: 5/A-104 FOR DETAIL AT BASE
113	DISH WASHING	F-2	COVE BASE	FRP-1	EXISTING	---
114	COOLER	EXISTING	---	EXISTING	EXISTING	---
115	FREEZER	EXISTING	---	EXISTING	EXISTING	---
116	CANWASH AREA	EXISTING	---	EXISTING	EXISTING	---
117	WORK ROOM	EXISTING	---	EXISTING	EXISTING	---
118	ALCOVE	EXISTING	B-1	WP-1	EXISTING / P-5	---

FINISH NOTES

1. ALL MATERIAL SUBSTITUTIONS PROPOSED BY GENERAL CONTRACTORS MUST HAVE CORPORATE APPROVAL PRIOR TO SUBMISSION OF PROPOSAL. CONTRACTORS SUBMITTING PROPOSALS WITH MATERIALS OTHER THAN THOSE LISTED ABOVE DO SO AT THEIR OWN RISK.

2. FORMULA FOR P-4:
   COMP (B001) 2134-30 IRON MOUNTAIN
   CUSTOM SHER-COLOR MATCH

CCE* COLORANT 0Z		32	64	128	
W1 WHITE		-	20	-	1
B1 BLACK		-	27	-	1
L1 BLUE	-	61	1	-	
R3 MAGENTA		4	-	-	-
Y3 DEEP GOLD		2	18	1	-

   ONE GALLON — ULTRADEEP
   A82T00154 — 640399754

3. ALL CAULK/SEALANT USED IN PROJECT TO EXHIBIT COLOR THAT MATCHES ADJACENT FINISHES.

4. FORMULA FOR P-9:
   SHER-CRYL HPA HIGH PERFORMANCE ACRYLIC RED
   PRODUCT #: B66R308
   1 GALLON FORMULA

CCE* COLORANT 0Z		32	64	128	
L1 BLUE	-	-	1	-	
B1 BLACK		-	1	-	-
R4 NEW RED		-	1	-	-

GENERAL NOTES

1. MAXIMUM HEIGHT OF ANY FLOORING TRANSITION IS 1/2" (SLOPED) OR 1/4" (VERTICAL)

2. ANY FLOORING TRANSITIONS AT DOORWAYS ARE TO OCCUR AT THE CENTERLINE OF THE DOOR IN ITS CLOSED POSITION, TYPICAL.

3. ALL TILE MORTAR AND GROUT IS TO RECEIVE A LATEX ADMIXTURE TO ENSURE RESISTANCE TO FOOD AND CHEMICAL DETERIORATION.

4. RETURN ALL WALL FINISHES INTO WINDOW SILL, JAMBS AND SOFFIT UNLESS OTHERWISE NOTED.

5. RETURN FRP-1 INTO DRIVE-THRU WINDOW SILL, JAMB AND SOFFIT.

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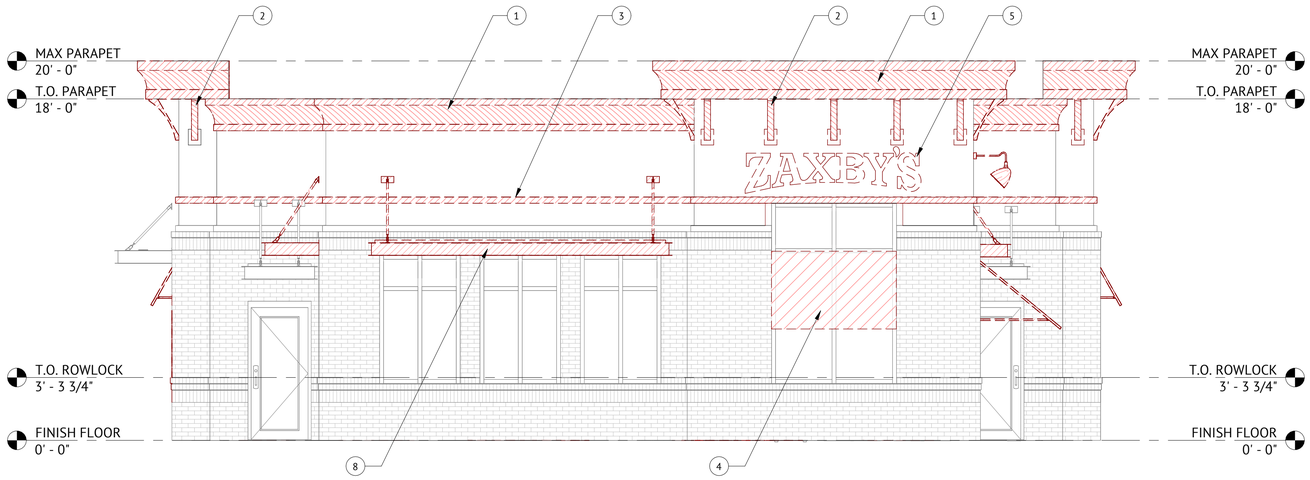
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FINISH SCHEDULE

A-105



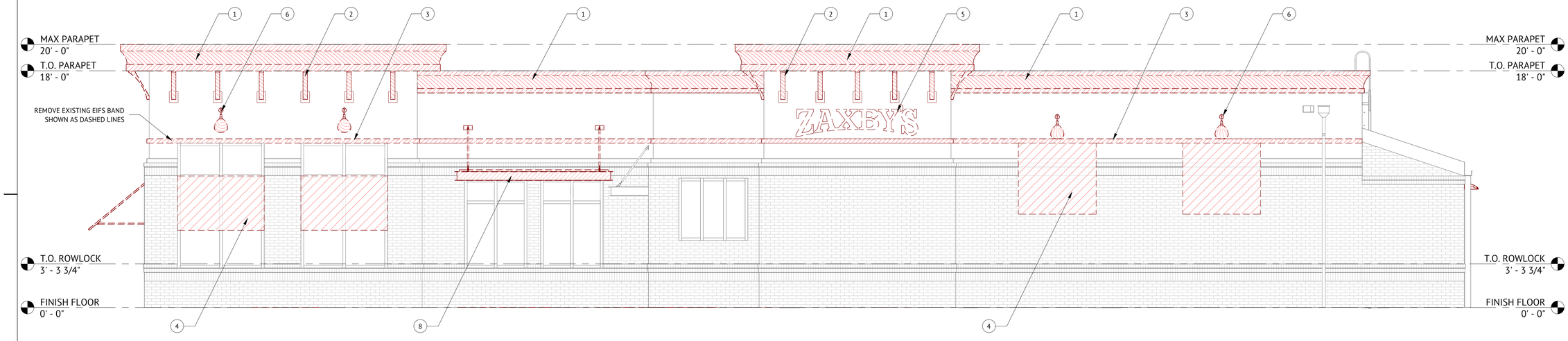
1 DEMO BUILDING ELEVATION - EAST

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



3 EXISTING BUILDING ELEVATION - EAST

SCALE: NTS



2 DEMO BUILDING ELEVATION - NORTH

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

KEYNOTES

1. EXISTING EIFS CORNICE TO BE REMOVED
2. EXISTING CROWN MOLDING BRACE TO BE REMOVED
3. EXISTING EIFS BAND TO BE REMOVED
4. EXISTING SHUTTERS TO BE REMOVED
5. EXISTING SIGNAGE TO BE REMOVED
6. EXISTING LIGHTING FIXTURE TO BE REMOVED
7. EXISTING DRIVE-THRU WINDOW TO BE REMOVED, PREPARE AREA FOR NEW DRIVE-THRU DOOR
8. EXISTING CANOPY TO BE REMOVED
9. PORTION OF CONCRETE SLAB TO BE REMOVED, REF. 1/A-600

LEGEND

INDICATES ITEM TO BE DEMOLISHED/REMOVED

GENERAL NOTE

1. REF. A-105 FOR FINISH SCHEDULE.
2. SIGNAGE VENDOR SHALL PROVIDE A PYLON SIGN DESIGNED TO MEET THE MAXIMUM DIMENSIONS PERMITTED BY THE AUTHORITY HAVING JURISDICTION.
3. ALL BUILDING SIGNAGE IS SUBJECT TO FINAL APPROVAL BY THE AHJ. SIGN DIMENSIONS SHOWN ARE STANDARD AND MAY BE ADJUSTED AS NEEDED TO COMPLY WITH LOCAL REGULATIONS. DESIGN SIGNAGE TO MAXIMIZE ALLOWABLE AREA. IF FULL SIGNAGE IS NOT PERMITTED, PRIORITY SHALL BE GIVEN TO INTERNALLY ILLUMINATED SIGNAGE, FOLLOWED BY NON-ILLUMINATED BUILDING GRAPHICS.
4. CONTRACTOR SHALL APPLY FOR BUILDING SIGNAGE PERMITS WITH THE CITY OF SAN MARCOS FOR ALL PROPOSED SIGNAGE.

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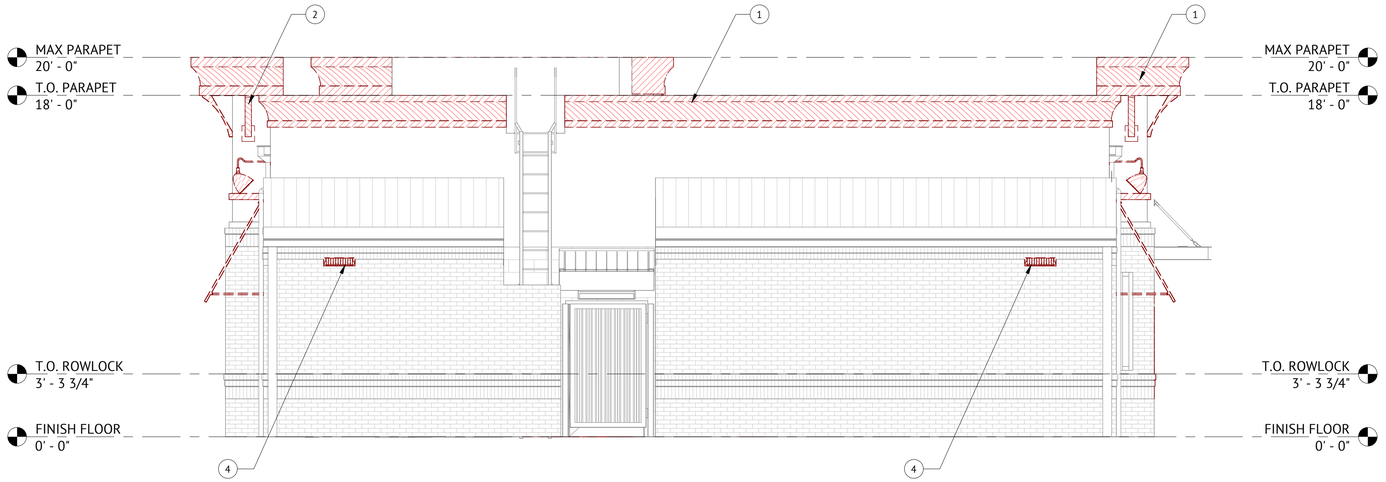
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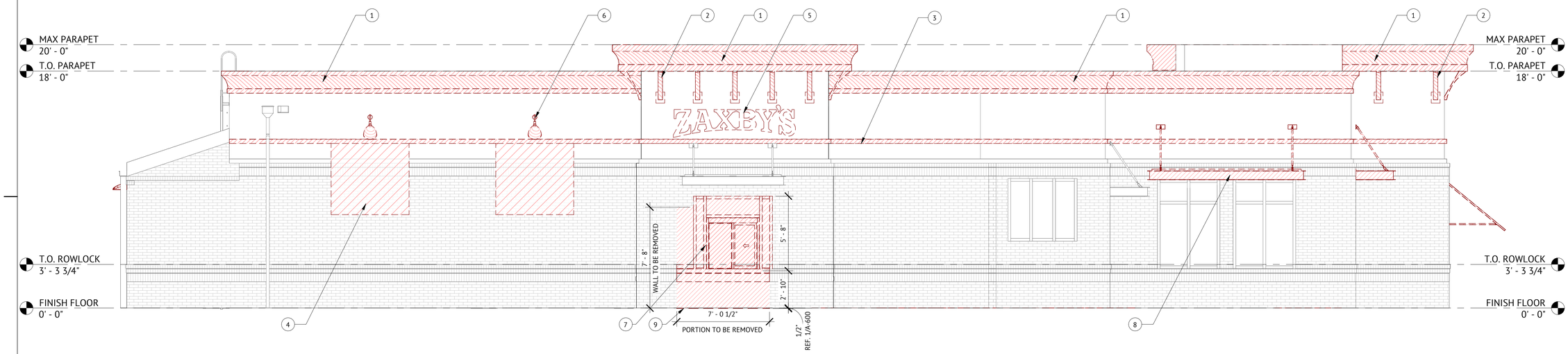
EXISTING/ DEMO. EXTERIOR ELEVATIONS

A-201.1



2 DEMO BUILDING ELEVATION - WEST

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



1 DEMO BUILDING ELEVATION - SOUTH

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

KEYNOTES

1. EXISTING EIFS CORNICE TO BE REMOVED
2. EXISTING CROWN MOLDING BRACE TO BE REMOVED
3. EXISTING EIFS BAND TO BE REMOVED
4. EXISTING SHUTTERS TO BE REMOVED
5. EXISTING SIGNAGE TO BE REMOVED
6. EXISTING LIGHTING FIXTURE TO BE REMOVED
7. EXISTING DRIVE-THRU WINDOW TO BE REMOVED, PREPARE AREA FOR NEW DRIVE-THRU DOOR
8. EXISTING CANOPY TO BE REMOVED
9. PORTION OF CONCRETE SLAB TO BE REMOVED, REF. 1/A-600

LEGEND

INDICATES ITEM TO BE DEMOLISHED/REMOVED

GENERAL NOTE

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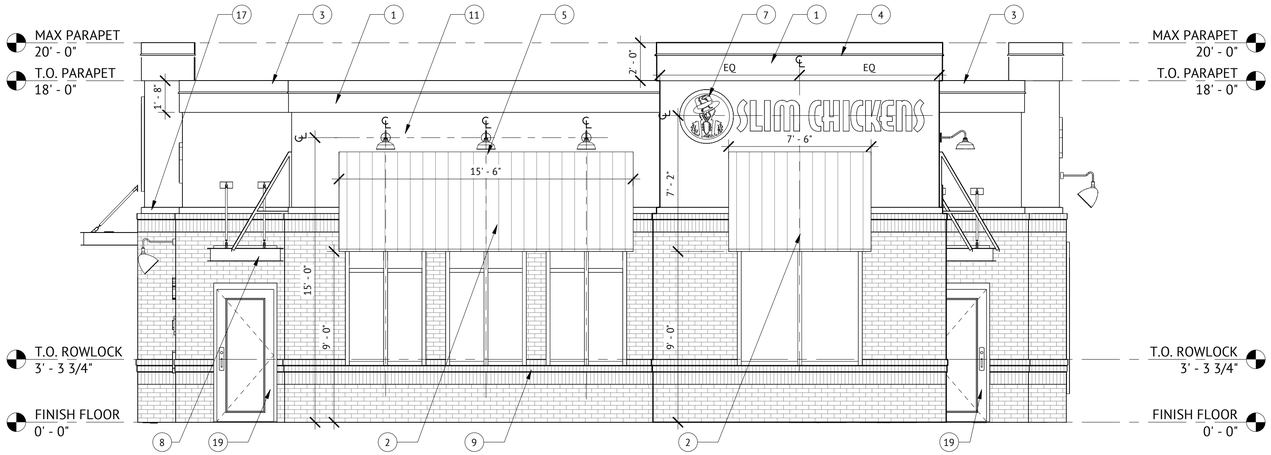
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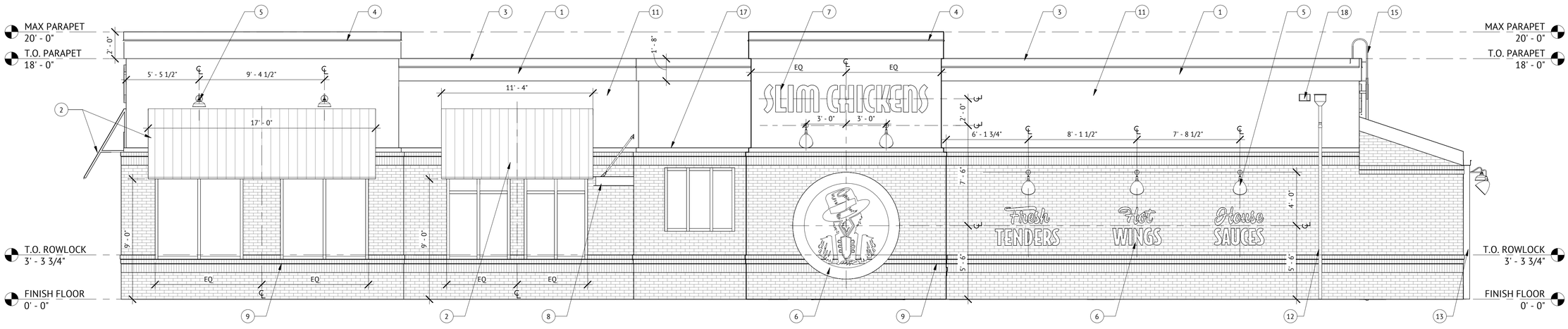
EXISTING/ DEMO. EXTERIOR ELEVATIONS

A-201.2



1 PROPOSED EAST ELEVATION

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



2 PROPOSED NORTH ELEVATION

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

KEYNOTES

1. NEW EIFS FLAT PARAPET BANDING, PAINTED (P-10), REF. SPECS
2. NEW PRE-FABRICATED METAL AWNING, FRAMING TO BE PAINTED (P-11), REF. SPECS
3. NEW PRE-FINISHED METAL COPING (MT-2), REF. SPECS
4. NEW LED LIGHTING UNDER METAL COPING
5. NEW EXTERIOR LIGHTING FIXTURES, REF. ELECTRICAL
6. NEW WALL GRAPHIC BY VENDOR, REF. A-203
7. NEW INTERNALLY LIT SIGNAGE BY VENDOR, REF. A-203
8. EXISTING METAL CANOPY TO BE PAINTED (P-5)
9. EXISTING MASONRY WALL
10. DRIVE-THRU DOOR, REF. SPECS
11. EXISTING STUCCO FINISH TO BE PAINTED (P-11), REF. A-105
12. EXISTING SCUPPER AND DOWNSPOUT TO BE PAINTED (P-5), REF. A-105
13. EXISTING GUTTER AND DOWNSPOUT TO BE PAINTED (P-5), REF. A-105
14. EXISTING GATE TO BE PAINTED (P-5), REF. A-105
15. EXISTING ROOF ACCESS LADDER TO BE PAINTED (P-5), REF. A-105
16. EXISTING STANDING SEAM METAL ROOF TO BE PAINTED (P-5), REF. A-105
17. EXISTING STUCCO BAND TO BE PAINTED (P-10), REF A-105
18. EXISTING OVERFLOW SCUPPER TO BE PAINTED (P-5), REF A-105
19. EXISTING DOOR TO BE PAINTED (P-6), REF. A-105
20. ELECTRICAL DISCONNECT TO BE PAINTED TO MATCH BRICK

GENERAL NOTE

1. REF. A-105 FOR FINISH SCHEDULE.
2. SIGNAGE VENDOR SHALL PROVIDE A PYLON SIGN DESIGNED TO MEET THE MAXIMUM DIMENSIONS PERMITTED BY THE AUTHORITY HAVING JURISDICTION.
3. ALL BUILDING SIGNAGE IS SUBJECT TO FINAL APPROVAL BY THE AHJ. SIGN DIMENSIONS SHOWN ARE STANDARD AND MAY BE ADJUSTED AS NEEDED TO COMPLY WITH LOCAL REGULATIONS. DESIGN SIGNAGE TO MAXIMIZE ALLOWABLE AREA. IF FULL SIGNAGE IS NOT PERMITTED, PRIORITY SHALL BE GIVEN TO INTERNALLY ILLUMINATED SIGNAGE, FOLLOWED BY NON-ILLUMINATED BUILDING GRAPHICS.
4. CONTRACTOR SHALL APPLY FOR BUILDING SIGNAGE PERMITS WITH THE CITY OF SAN MARCOS FOR ALL PROPOSED SIGNAGE.

NOTICE:
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REGISTERED ARCHITECT
CESAR SOSA REA
24818
STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

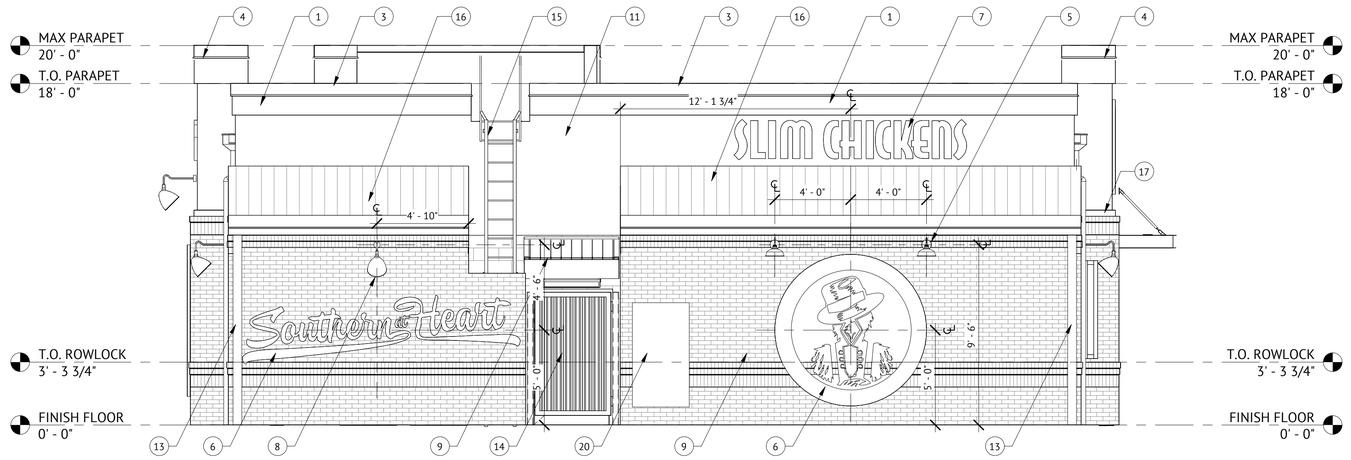
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PROJECT DATE: 08/07/2025
PROJECT MANAGER: J.S.
PROJECT TEAM: LDS

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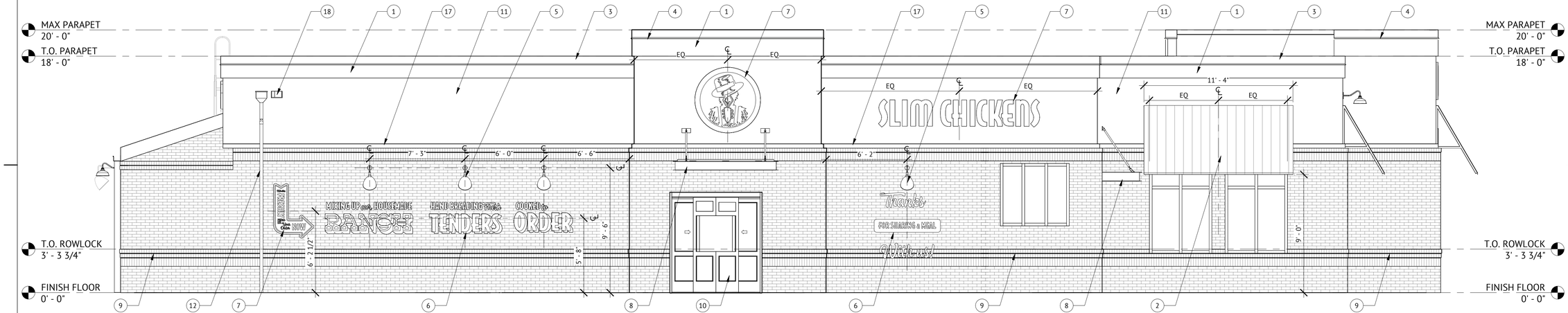
PROPOSED EXTERIOR ELEVATIONS

A-202.1



1 PROPOSED WEST ELEVATION

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



2 PROPOSED SOUTH ELEVATION

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

KEYNOTES

1. NEW EIFS FLAT PARAPET BANDING, PAINTED (P-10), REF. SPECS
2. NEW PRE-FABRICATED METAL AWNING, FRAMING TO BE PAINTED (P-11), REF. SPECS
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20. ELECTRICAL DISCONNECT TO BE PAINTED TO MATCH BRICK

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	SCHEDULE OF REVISIONS	

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PROJECT TEAM: LDS

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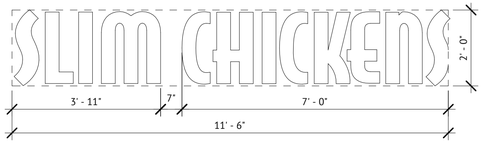
PROPOSED EXTERIOR ELEVATIONS

A-202.2



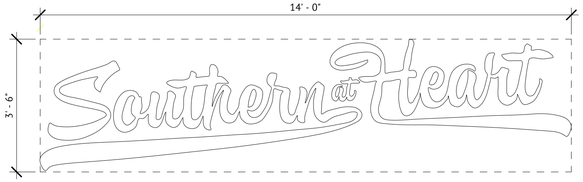
10 WELCOME - VINYL GRAPHIC

SCALE: 1" = 1'-0"



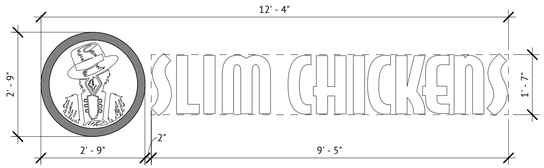
9 SLIM CHICKENS LOGO - INTERNALLY LIT SIGN

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



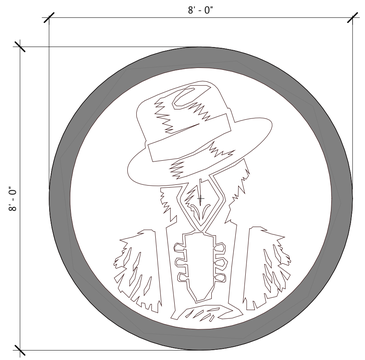
8 SOUTHERN AT HEART - DIE-CUT METAL

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



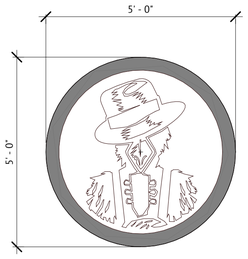
7 MAIN LOGO - INTERNALLY LIT SIGN

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



6 ROUND - DIE-CUT METAL

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



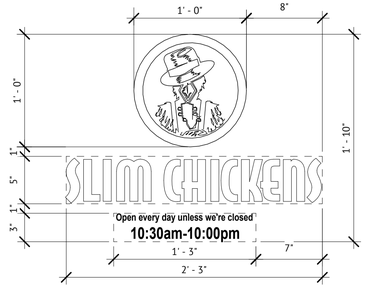
5 ROUND - INTERNALLY LIT SIGN

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



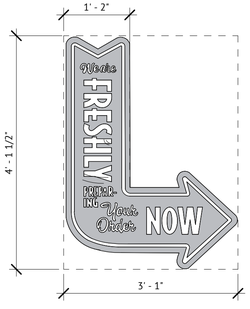
4 THANKS FOR SHARING - DIE-CUT METAL

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



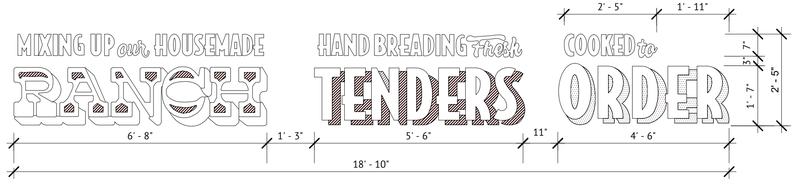
3 ENTRY DOOR - VINYL GRAPHIC

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



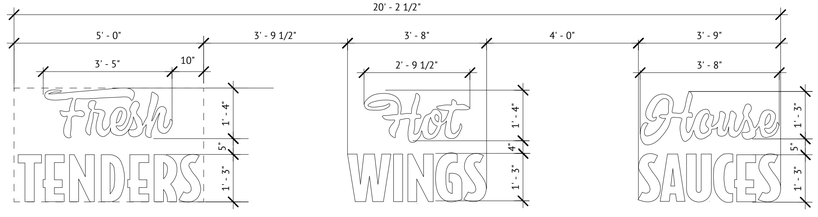
2B DRIVE-THRU ARROW - INTERNALLY LIT SIGN

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



2A DRIVE-THRU - DIE-CUT METAL GRAPHIC

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



1 TENDERS, WINGS, SAUCES - DIE-CUT METAL

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

BUILDING GRAPHICS

GRAPHIC	OVERALL SIZE	GRAPHIC SQFT.
ROUND	8'-0" X 8'-0"(X2)	100
DRIVE-THRU (RANCH, TENDERS, ORDER)	2'-5" X 18'-10"	33
TENDERS, WINGS, SAUCES	3'-0" X 20'-2"	60
SOUTHERN AT HEART	3'-6" X 14'-0"	49
ENTRY DOOR	1'-10" X 2'-3"	2
WELCOME	1'-0" X 3'-7"	16
THANKS FOR SHARING	5'-0" X 5'-0"	25
		TOTAL
		285

BUILDING SIGNAGE

SIGN	OVERALL SIZE	SIGN SQFT.
ROUND	5'-0" X 5'-0"	25
MAIN LOGO WITH MEDALLION	2'-9" X 12'-4"	34
SLIM CHICKENS LOGO	2'-0" X 11'-6" (X3)	69
DRIVE-THRU ARROW	3'-1" X 4'-1 1/2"	6
		TOTAL
		134

SIGNAGE COVERAGE

ELEVATION	ELEVATION SQFT.	SIGNAGE SQFT.	COVERAGE %
FRONT	761	34	4.47
REAR	884	122	13.80
DRIVE-THRU	1670	107	6.41
ENTRY	1671	133	7.96

SIGN SPECIFICATIONS

1. BUILDING SIGNS: PROVIDE CONDUIT AND WIRE FROM ELECTRICAL PANEL TO THE SIGN. THE CONDUIT IS TO BE 1" AND HAVE ONE SET OF 10/2 WIRE WITH GROUND.
2. FINAL ELECTRICAL CONNECTIONS FOR SIGN SHALL BE THE SIGN VENDORS RESPONSIBILITY SINCE THE 'J' BOX AND WIRES ARE IN PLACE.

GENERAL NOTES

1. BUILDING SIGNAGE IS SUBJECT TO AHJ TO DETERMINE FINAL SIZES. SIZES SHOWN ARE STANDARD AND CAN BE CHANGED AS NEEDED. ARCHITECT SHOULD DESIGN FOR MAXIMUM ALLOWABLE SIGNAGE AREA. IF AHJ DOES NOT ALLOW ALL SIGNAGE, PRIORITY SHOULD BE PLACED ON INTERNALLY LIT SIGNAGE AND THEN BUILDING GRAPHICS AS ALLOWED.
2. ALL SIGNAGE SHALL BE UNDER A SEPARATE SIGN PERMIT

NOTICE:
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24818
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08/07/2025

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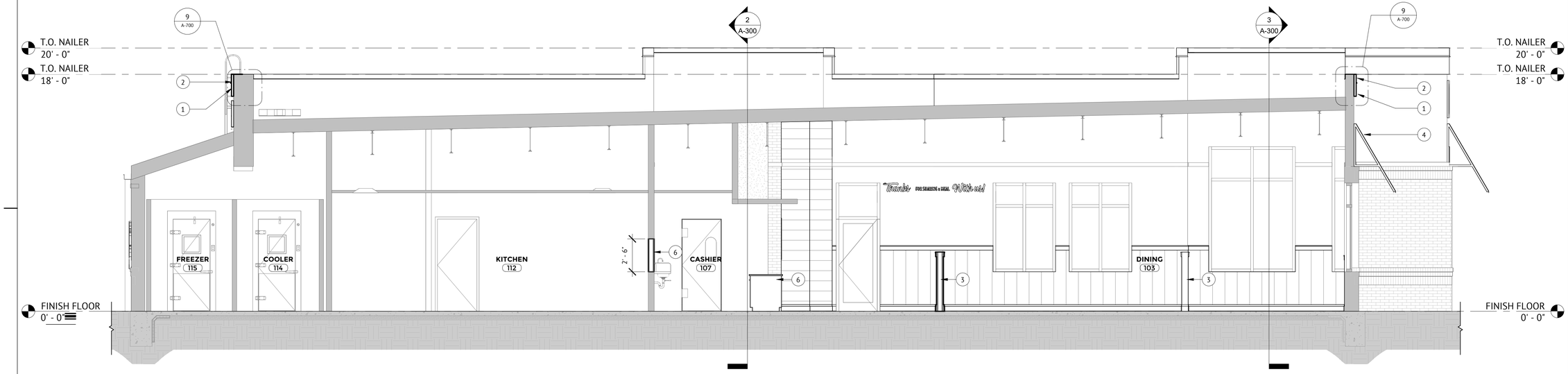
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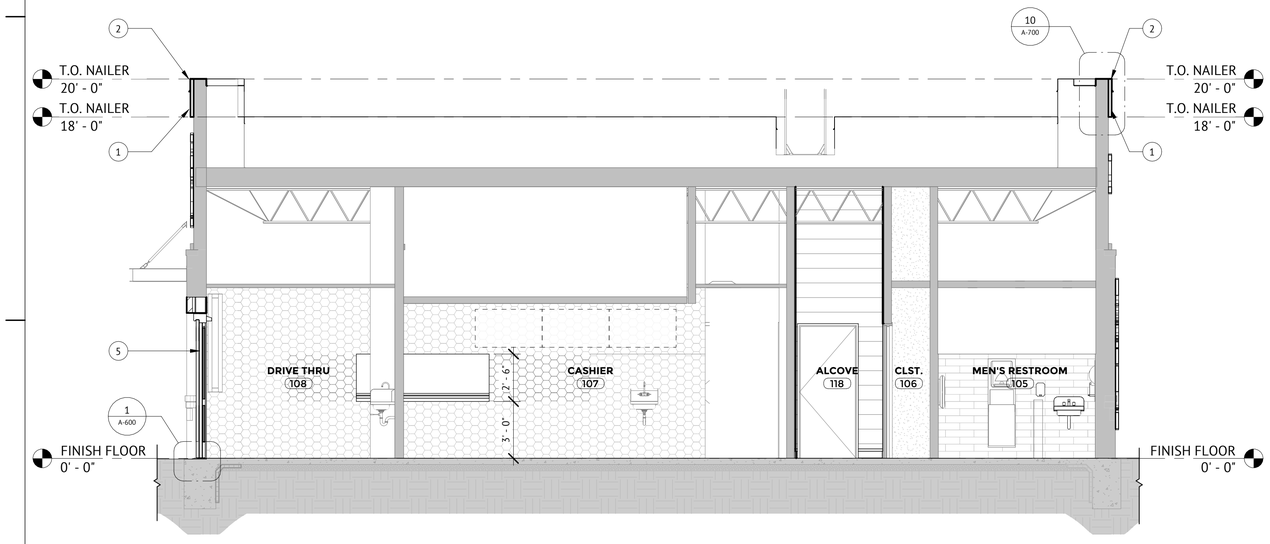
EXTERIOR BUILDING SIGNAGE

A-203



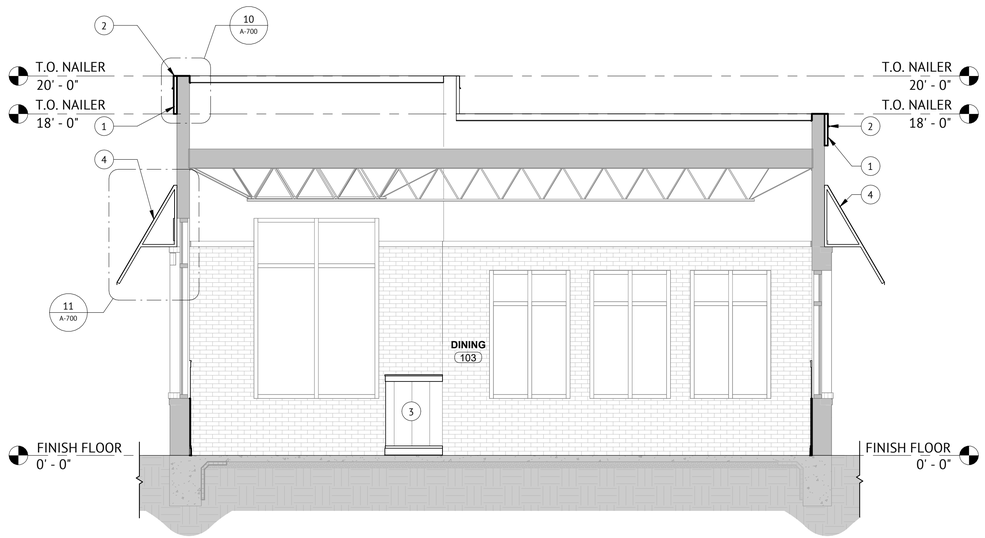
1 BUILDING SECTION

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



2 BUILDING SECTION

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



3 BUILDING SECTION

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

KEYNOTES

1. EIFS FLAT PARAPET BANDING
2. PRE-FINISHED METAL COPING (MT-2), REF. FINISH SCHEDULE A-105
3. PONY WALL, REF. A-101.1
4. PRE-FABRICATED METAL AWNING, REF. A-700
5. DRIVE-THRU DOOR, REF. SPECS
6. MILLWORK, A-506
7. PORTION OF WALL TO BE INFILLED

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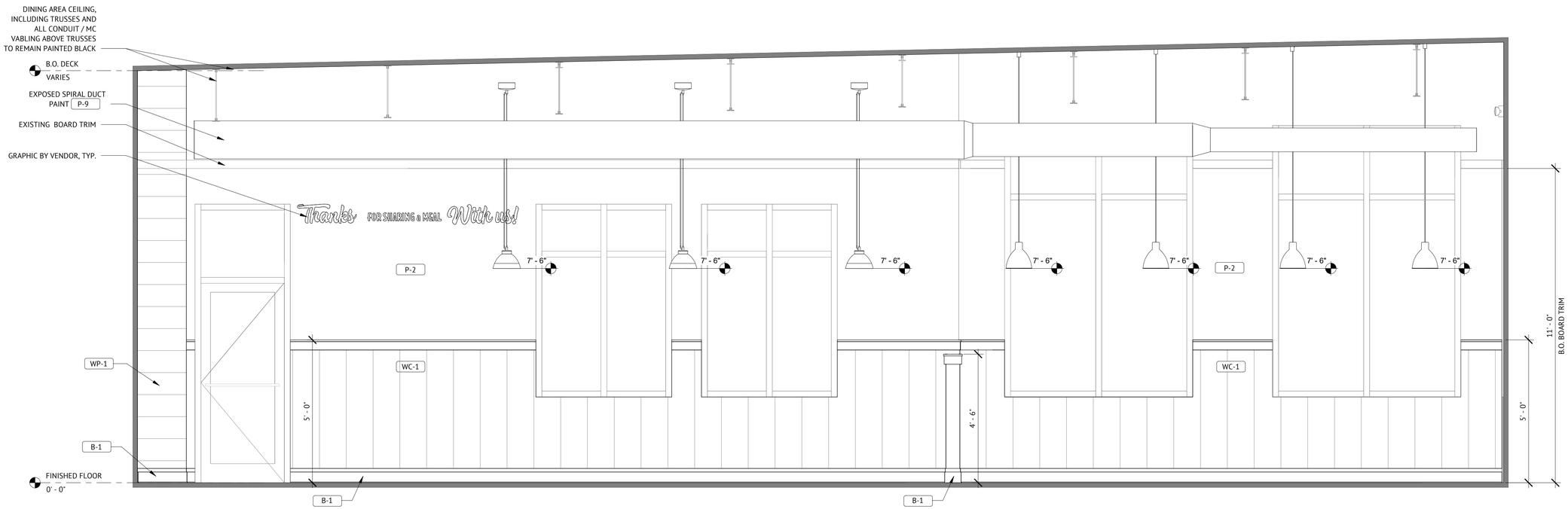
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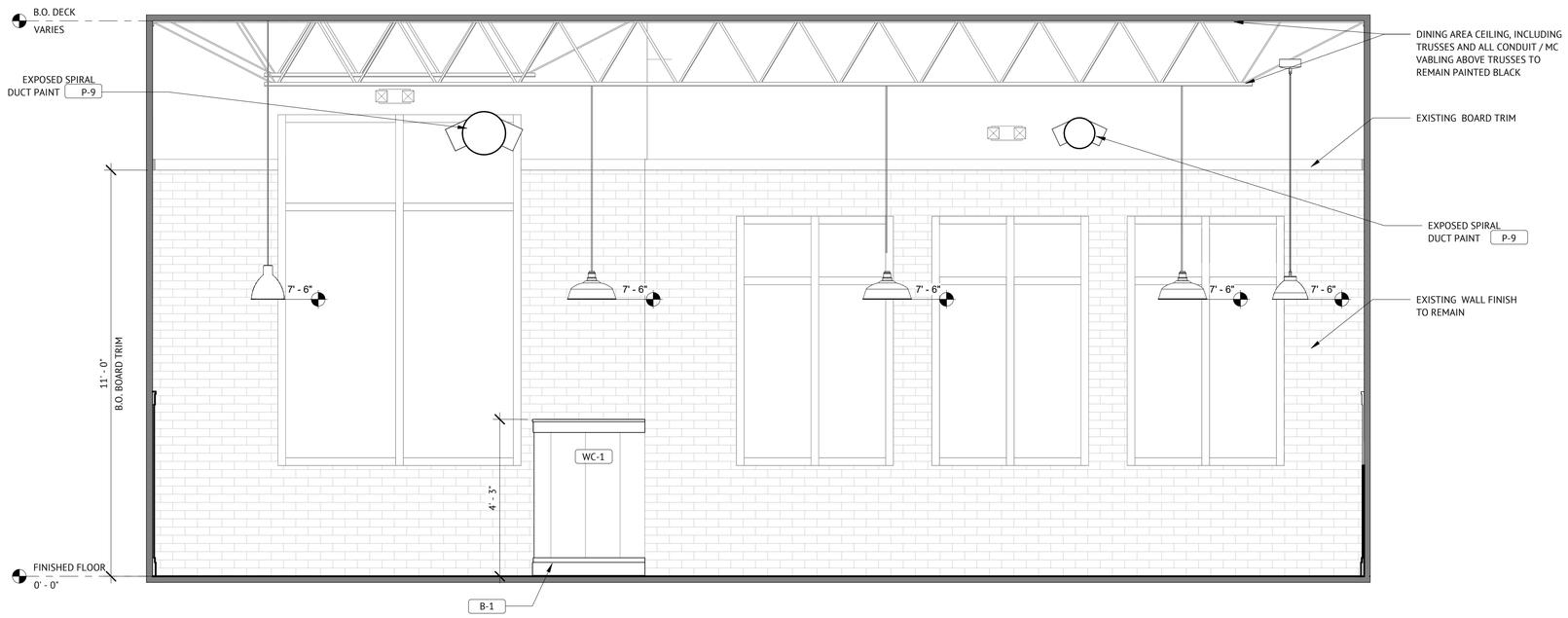
BUILDING SECTIONS

A-300



1 DINING ENTRY ELEVATION

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



2 DINING FRONT ELEVATION

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

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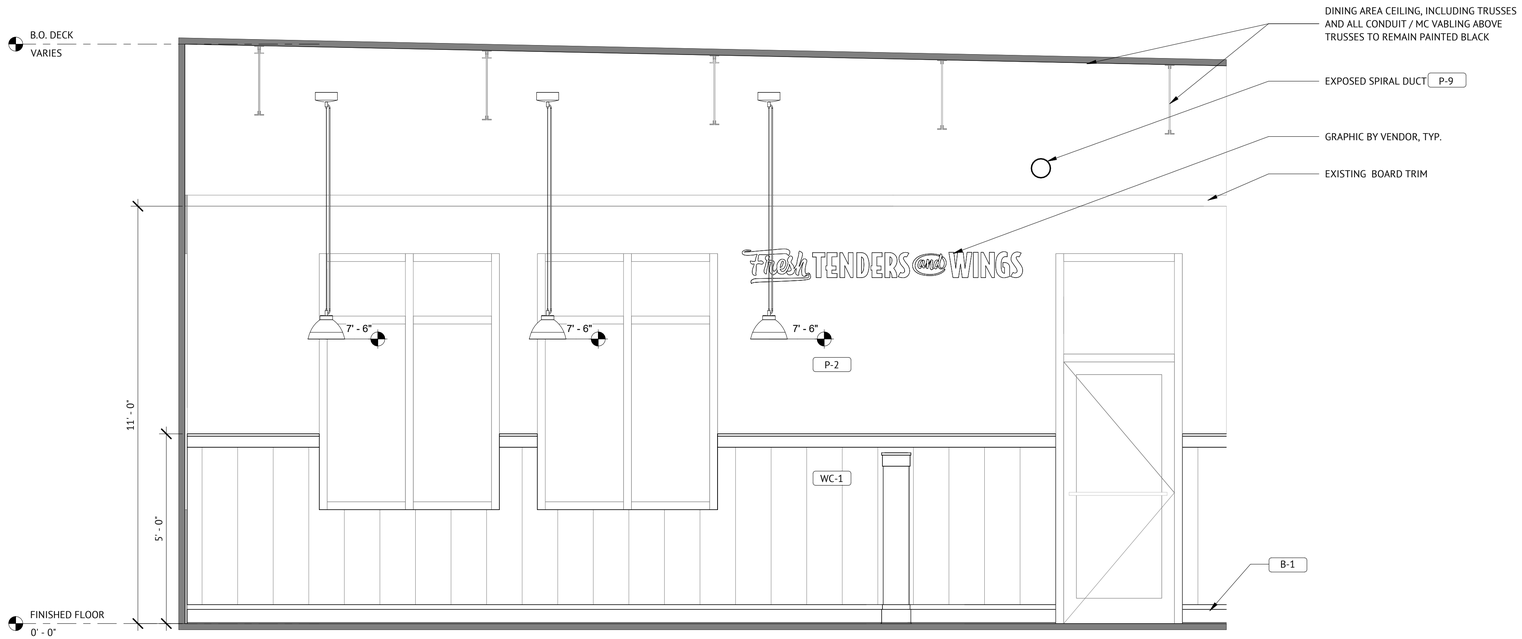
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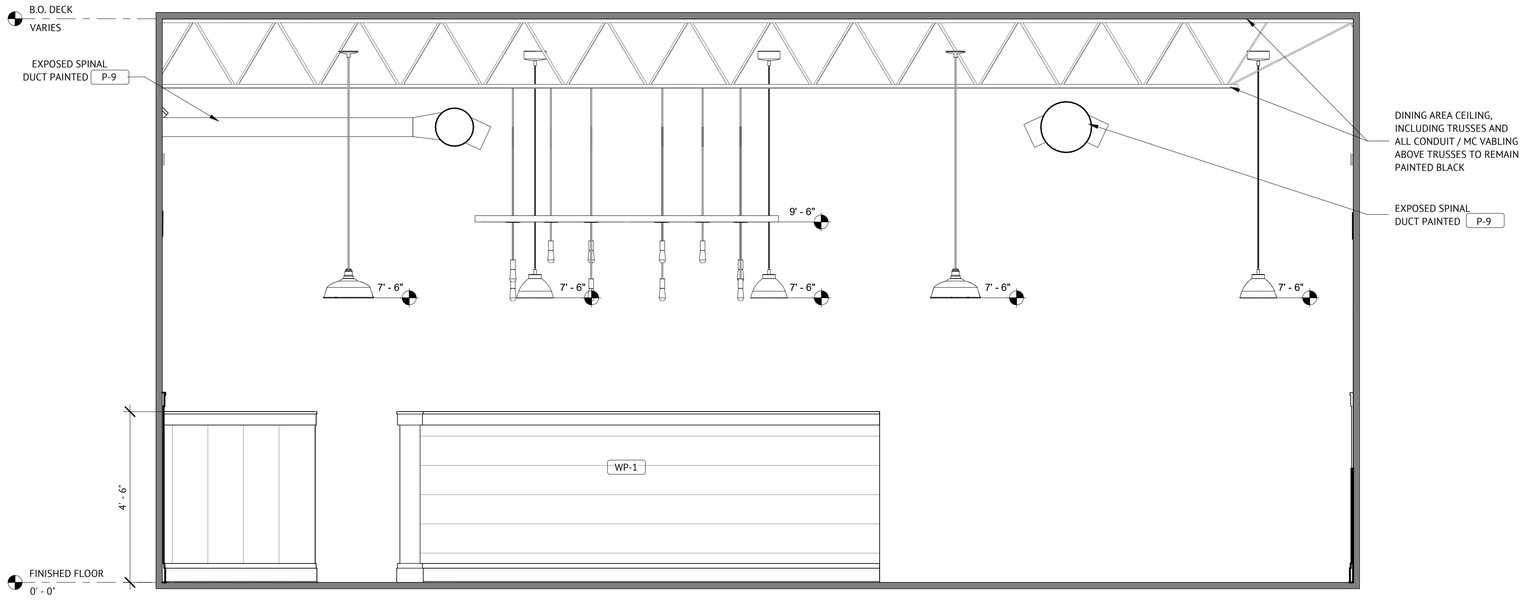
INTERIOR ELEVATIONS

A-501



2 DINING SIDE ELEVATION

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



1 DINING BACK ELEVATION

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

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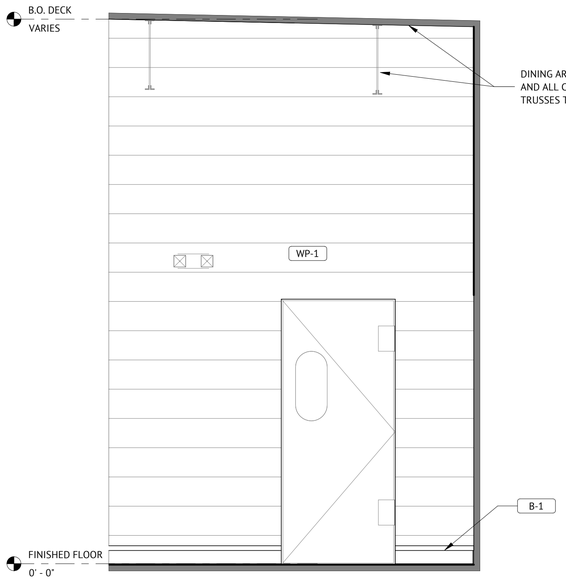
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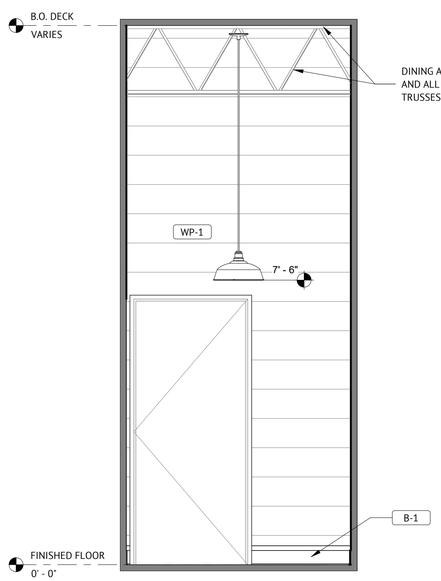
INTERIOR ELEVATIONS

A-502



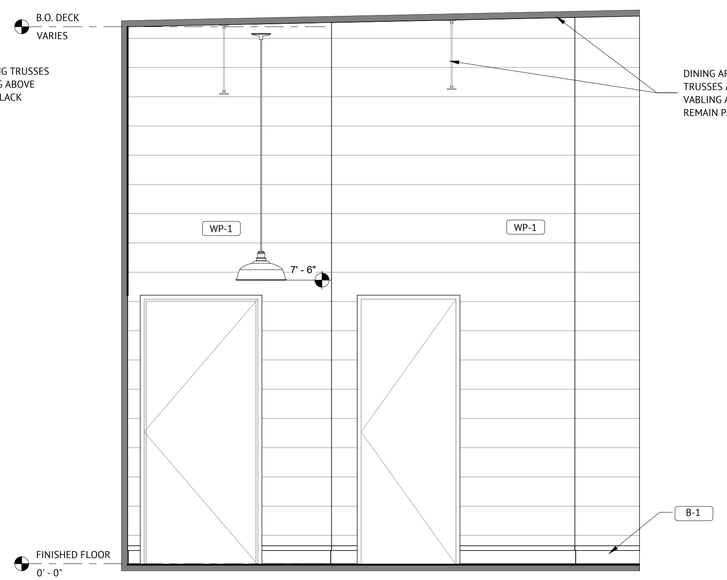
7 HALLWAY ELEVATION

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



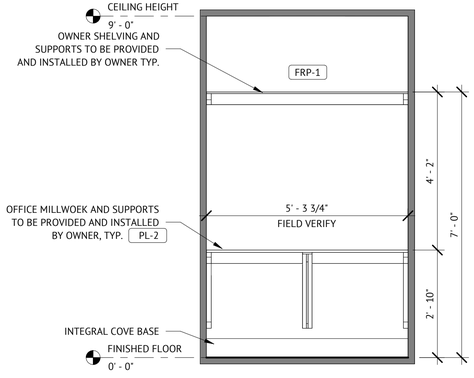
6 HALLWAY ELEVATION

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



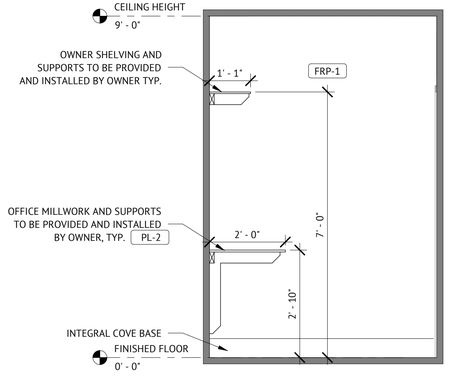
5 HALLWAY ELEVATION

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



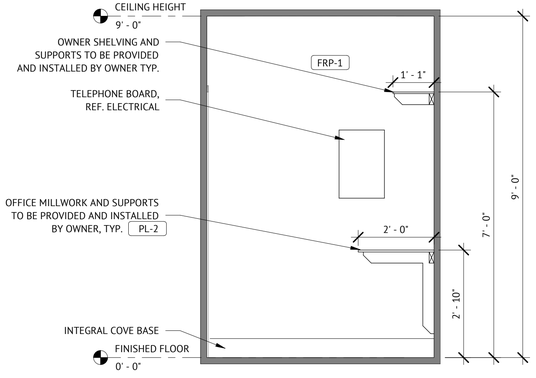
4 OFFICE ELEVATION

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



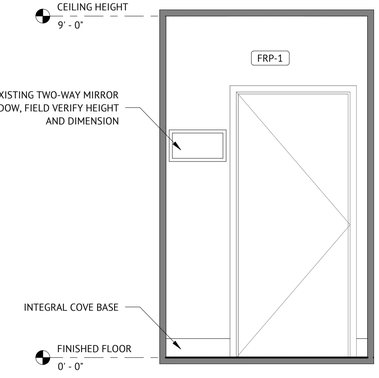
3 OFFICE ELEVATION

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



2 OFFICE ELEVATION

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



1 OFFICE ELEVATION

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

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REGISTERED ARCHITECT
CESAR SOSA
24818
STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

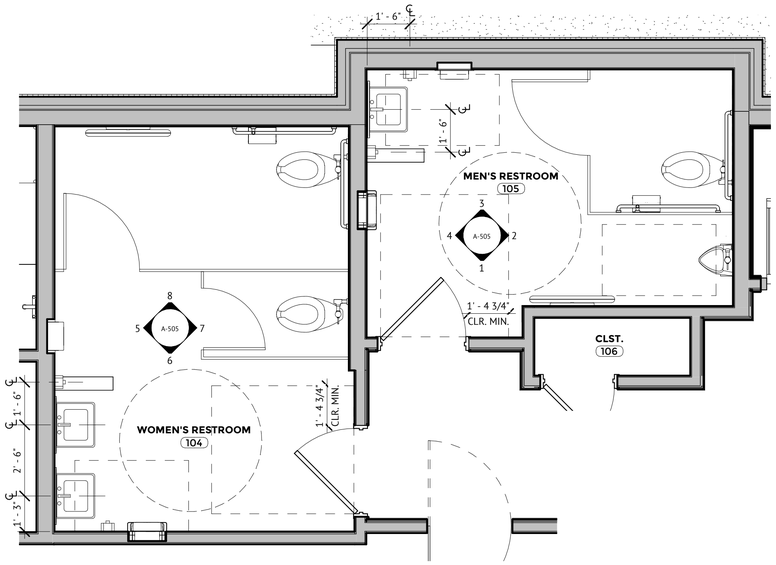
ISSUED FOR PERMIT

PROJECT NUMBER: 189.02.02
PROJECT DATE: 08/07/2025
PROJECT MANAGER: JS
PROJECT TEAM: LDS

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INTERIOR ELEVATIONS

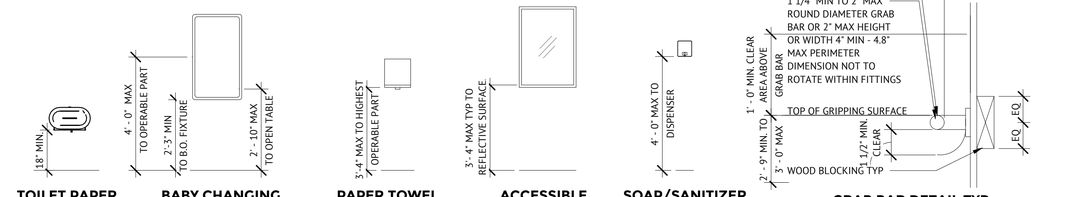
A-503



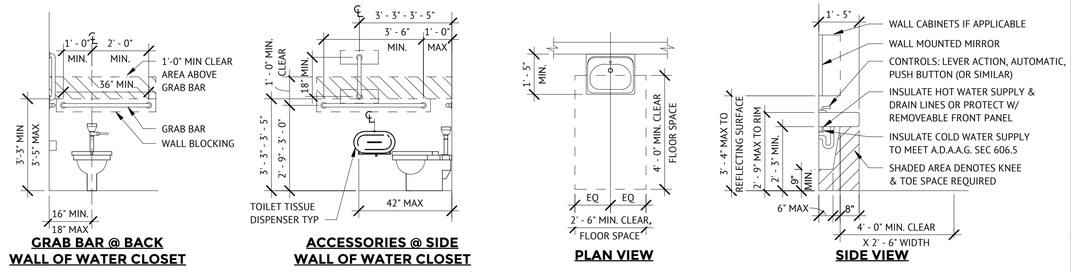
9 RESTROOMS - ENLARGED FLOOR PLAN

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

ACCESSIBILITY LEGEND



TOILET PAPER DISPENSER | BABY CHANGING STATION | PAPER TOWEL DISPENSER/DISPOSAL | ACCESSIBLE MIRROR | SOAP/SANITIZER DISPENSER | GRAB BAR DETAIL TYP



GRAB BAR @ BACK WALL OF WATER CLOSET | ACCESSORIES @ SIDE WALL OF WATER CLOSET | PLAN VIEW | SIDE VIEW

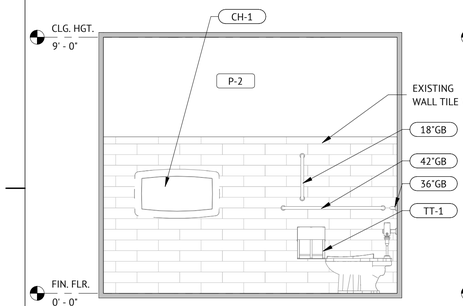
ACCESSIBILITY NOTES

1. THE FIXTURE AND ACCESSORIES MOUNTING DETAILS AND REQUIREMENTS SHOWN IN THESE DRAWINGS ARE TYPICAL AND APPLY TO REQUIRED ACCESSIBLE INSTALLATIONS ONLY. REFER TO PLANS FOR LOCATIONS AND TYPES OF LAYOUTS. EQUIPMENT SHOWN MAY OR MAY NOT APPEAR ON THIS PROJECT. IF A ROOM IS IN QUESTION AS TO BEING A REQUIRED ACCESSIBLE ROOM - CONTACT ARCHITECT FOR RESOLUTION.
2. PROVIDE IN ALL LOCATIONS OF REQUIRED ACCESSORIES, ADEQUATE SOLID BLOCKING, CAPABLE OF WITHSTANDING 250 LB FORCE (SHEAR AND BENDING). GRAB BARS SHALL NOT ROTATE, FASTENERS SHALL BE OF A TYPE TO WITHSTAND REQUIRED FORCE AND TYPED FOR TYPE OF WALL CONSTRUCTION.
3. SWEEP PERIOD OF DOOR CLOSERS ON ACCESSIBLE DOORS SHALL BE ADJUSTED SO THAT FROM OPEN POSITION OF 90 DEGREES, DOOR WILL TAKE A MINIMUM OF 5 SECONDS TO MOVE TO A POINT 12 DEGREES FROM THE LATCH.
4. DOORS SHALL REQUIRE NO MORE THAN 5 LB. OF FORCE TO OPEN. ADJUST CLOSERS ACCORDINGLY.
5. ALL EXISTING PARTITIONS TO REMAIN IF SERVICABLE.

X RESTROOM LEGEND

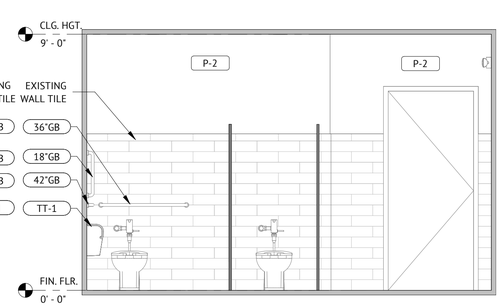
CH-1	EXISTING BABY CHANGING STATION WALL MOUNTED
GB	EXISTING GRAB BAR 18"L X 1-1/2" DIA. (VERTICAL)
GB	EXISTING GRAB BAR 36"L X 1-1/2" DIA.
GB	EXISTING GRAB BAR 42"L X 1-1/2" DIA.
M-1	24"W X 36"H MIRROR
PT-1	EXISTING HAND DRYER
PT-2	EXISTING PAPER TOWEL DISPENSER
SD-1	SURFACE MOUNTED SOAP DISPENSER - OWNER FURNISHED, CONTRACTOR INSTALLED
SD-2	SURFACE MOUNTED SANITIZER DISPENSER - OWNER FURNISHED, CONTRACTOR INSTALLED
TT-1	EXISTING SURFACE MOUNTED TOILET TISSUE DISPENSER
SN-1	COVERED SANITARY NAPKIN TRASH RECEPTACLE - OWNER FURNISHED, CONTRACTOR INSTALLED

SEE ACCESSIBILITY LEGEND FOR MOUNTING HEIGHTS
SEE FINISH LEGEND FOR FINISH INFORMATION



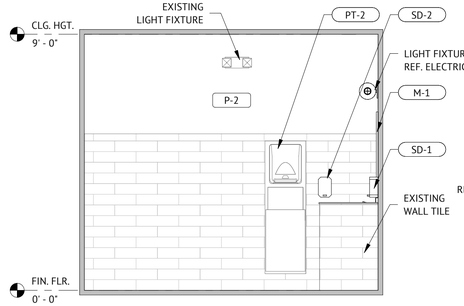
8 WOMEN'S RESTROOM ELEVATION

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



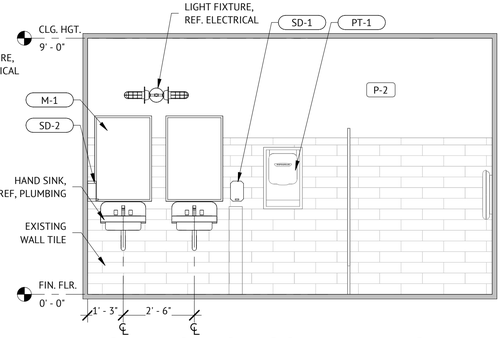
7 WOMEN'S RESTROOM ELEVATION

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



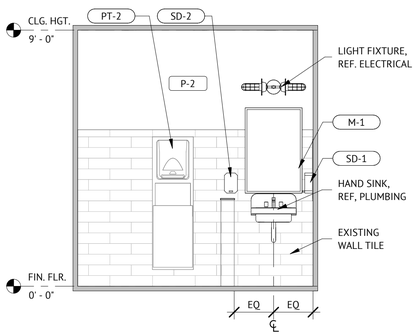
6 WOMEN'S RESTROOM ELEVATION

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



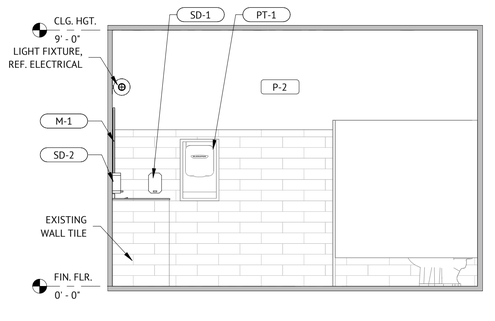
5 WOMEN'S RESTROOM ELEVATION

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



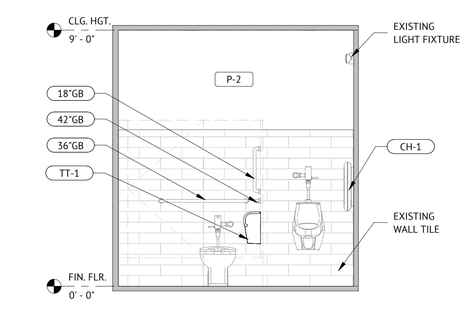
4 MEN'S RESTROOM ELEVATION

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



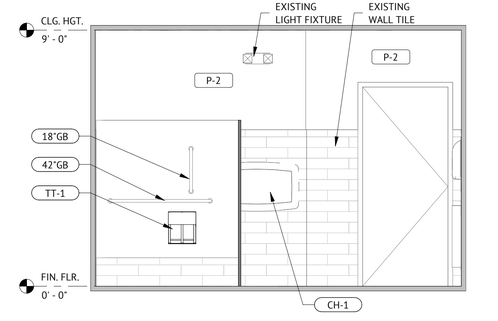
3 MEN'S RESTROOM ELEVATION

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



2 MEN'S RESTROOM ELEVATION

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



1 MEN'S RESTROOM ELEVATION

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

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REGISTERED ARCHITECT CESAR SOSA REYES 24818 STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

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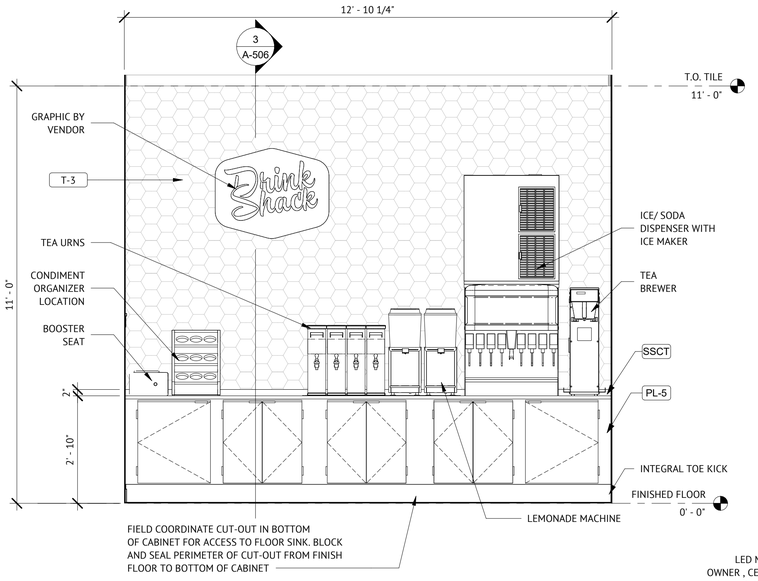
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PROJECT TEAM: LDS

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DETAILS - RESTROOM & ACCESSIBILITY

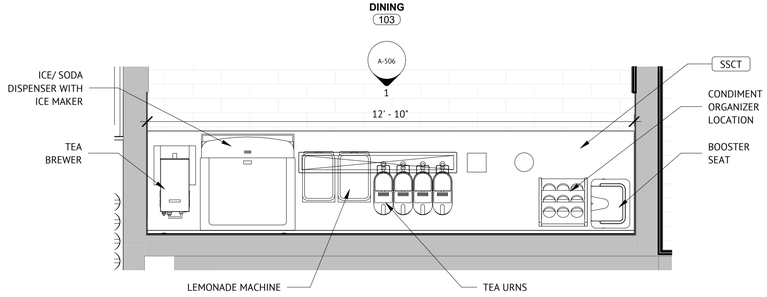
A-505



1 DRINK COUNTER ELEVATION

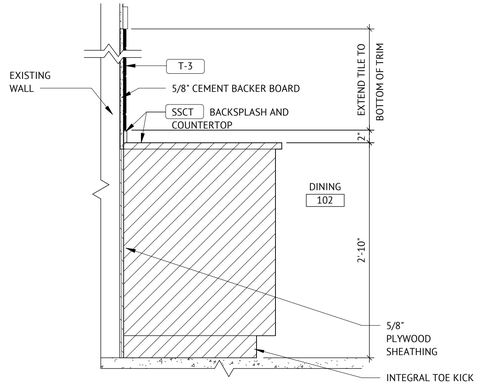
SCALE: 1/2" = 1'-0"

NOTE: FIELD VERIFY LOCATIONS OF HOLES IN COUNTEROP PRIOR TO DRILLING. COORDINATE FINAL LOCATIONS W/ OWNER



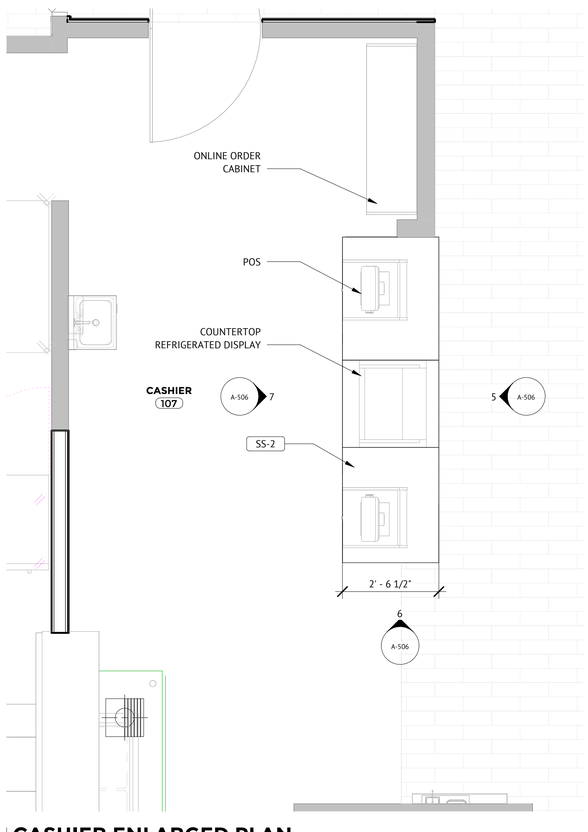
2 DRINK COUNTER ENLARGED PLAN

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



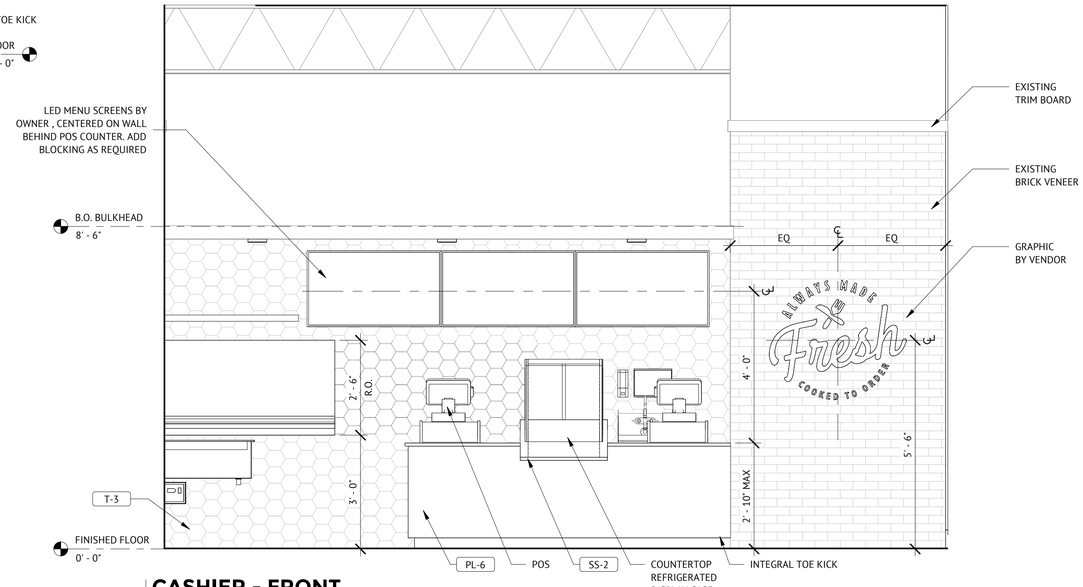
3 DRINK COUNTER SECTION

SCALE: 1" = 1'-0"



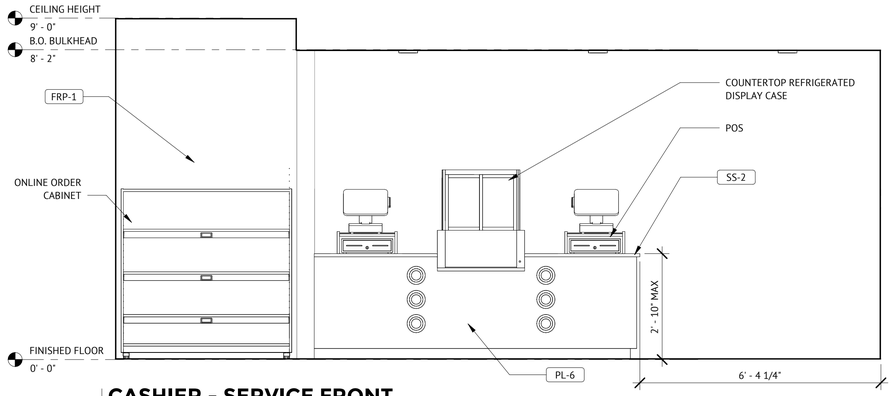
4 CASHIER ENLARGED PLAN

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



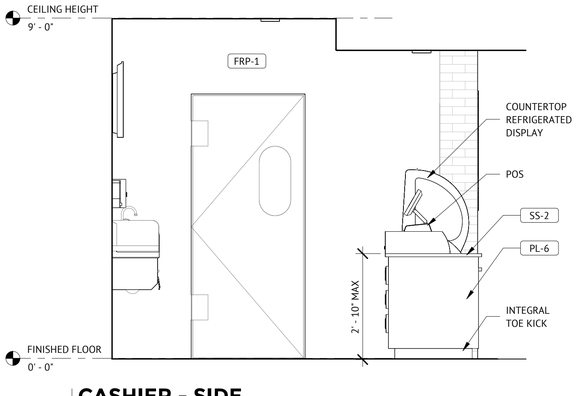
5 CASHIER - FRONT

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



7 CASHIER - SERVICE FRONT

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



6 CASHIER - SIDE

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

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08/07/2025

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SLIM CHICKENS- ZAXBY'S RETROFIT

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#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

ISSUED FOR PERMIT

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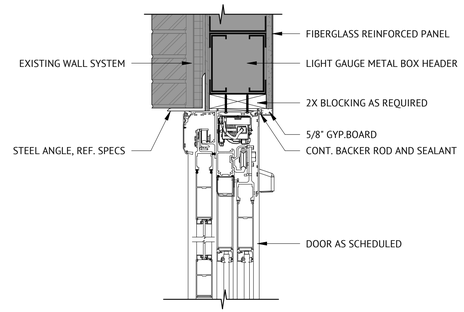
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DETAILS - MILLWORK

A-506

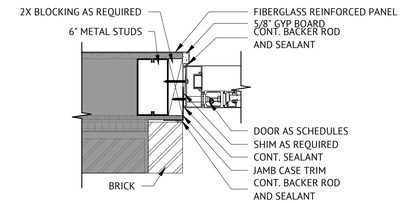
DOOR SCHEDULE

DOOR	DOOR WIDTH	DOOR HEIGHT	QTY	DOOR FINISH	DOOR TYPE	FRAME FINISH	FRAME TYPE	HEAD DETAIL	HARDWARE #	NOTE #
108	7' - 0"	7' - 8"	1	DARK BRONZE	A	DARK BRONZE	-	3/A-600	(none)	(none)



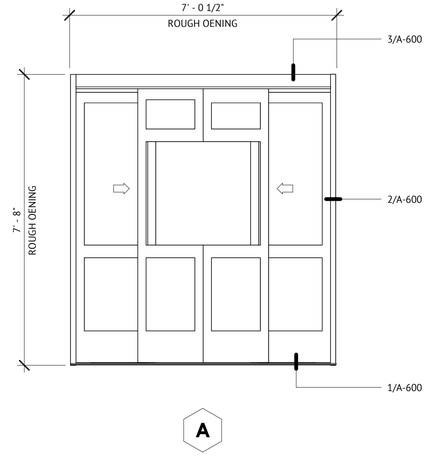
3 DRIVE-THRU DOOR HEAD DETAIL

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

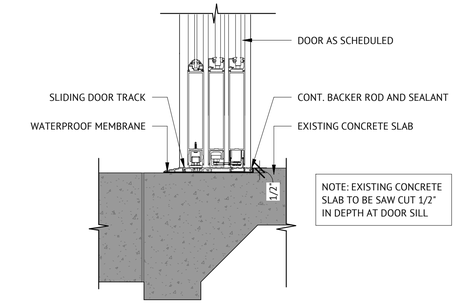


2 DRIVE-THRU DOOR JAMB DETAIL

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



A



1 DRIVE-THRU DOOR SILL DETAIL

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

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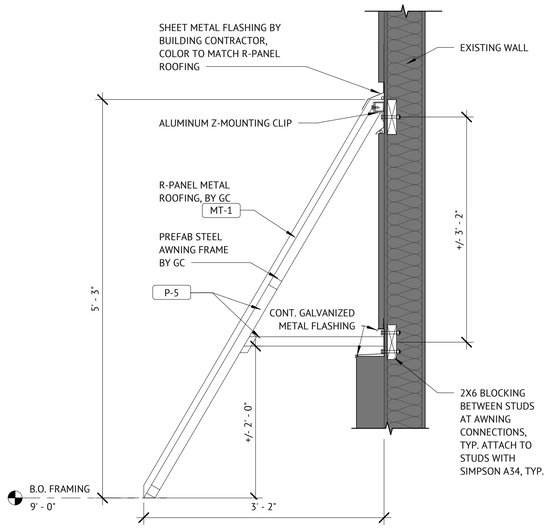
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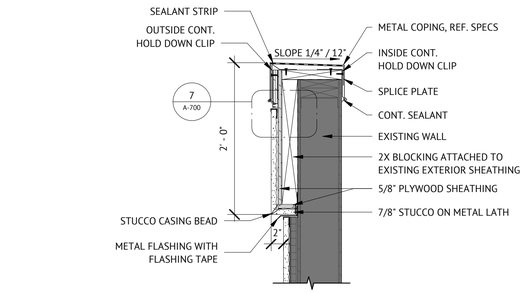
DOOR/ WINDOW SCHEDULES AND DETAILS

A-600



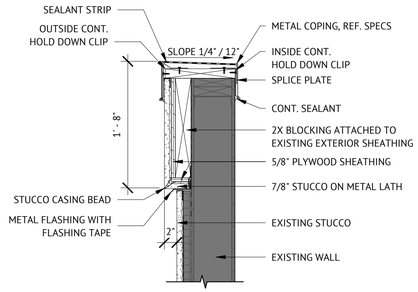
11 NEW AWNING DETAIL

SCALE: 1" = 1'-0"



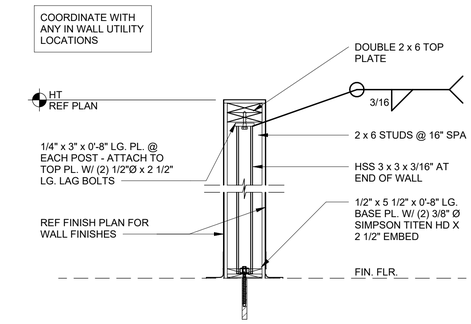
10 HIGH PARAPET DETAIL

SCALE: 1" = 1'-0"



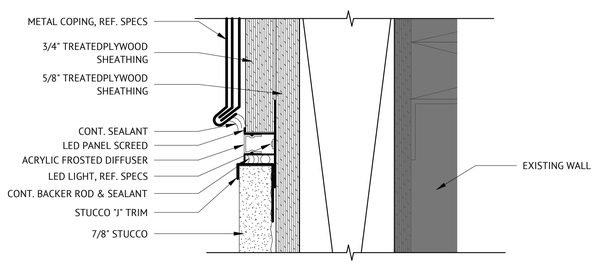
9 LOW PARAPET DETAIL

SCALE: 1" = 1'-0"



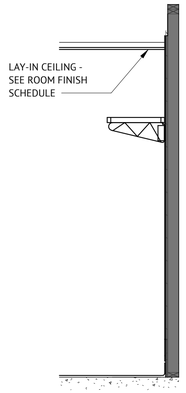
8 WING WALL SUPPORT POST

SCALE: 1" = 1'-0"



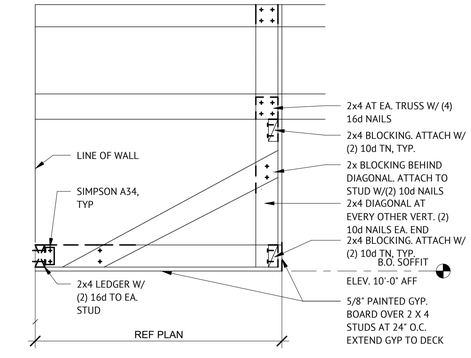
7 UNDER COPING LIGHT DETAIL

SCALE: 6" = 1'-0"



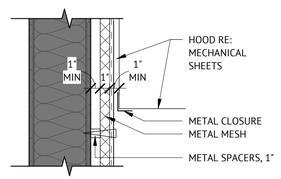
6 BLOCKING DETAIL - KITCHEN

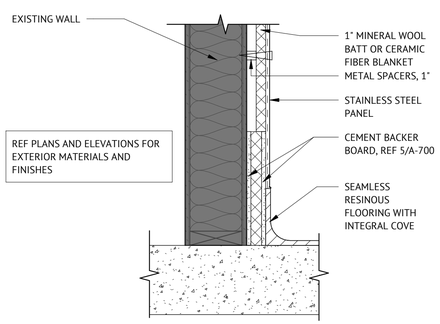
SCALE: 1/2" = 1'-0"



5 SOFFIT DETAIL

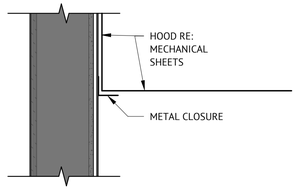
SCALE: 1" = 1'-0"

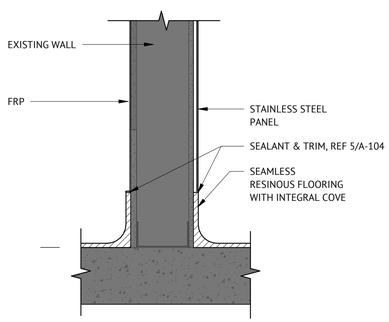




4 HOOD WALL FURRING DETAIL

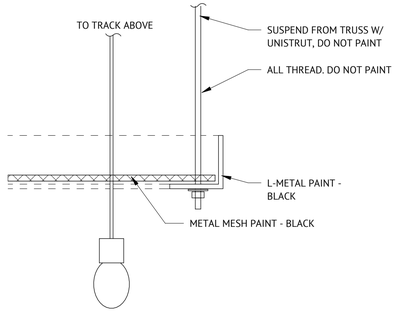
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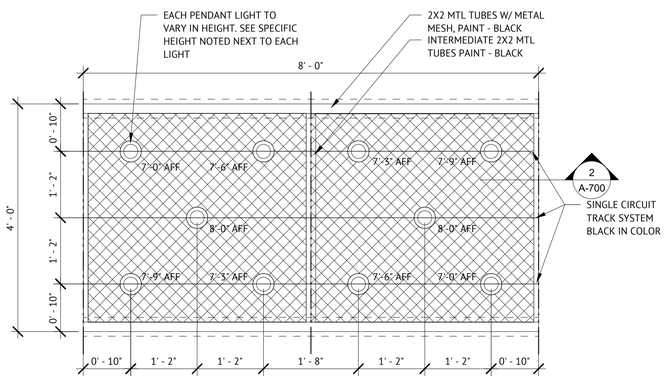
3 HOOD WALL DETAIL

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



2 CLOUD MOUNTING DETAIL

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



1 CLOUD DETAIL

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

NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.

LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110, SAN ANTONIO, TX 78212

REGISTERED ARCHITECT CESAR SOSA REES 24818 STATE OF TEXAS

08/07/2025

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD., SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

ISSUED FOR PERMIT

PROJECT NUMBER: 189.02.02
PROJECT DATE: 08/07/2025
PROJECT MANAGER: JS
PROJECT TEAM: LDS

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DETAILS

A-700

MECHANICAL SPECIFICATIONS

NOTE: NOT ALL SPECIFICATIONS MAY APPLY.

NOTICE TO OWNERS, ARCHITECTS AND CONTRACTORS REGARDING PRICING ESTIMATES

1. UNDER NO CIRCUMSTANCES SHALL THESE DRAWINGS BE "FINAL" OR "HARD BID" UNTIL THE PROJECT IS FULLY PERMITTED.
2. ALL PRELIMINARY PRICING EFFORTS SHALL BE CONSIDERED AS ESTIMATES ONLY AND SHALL INCLUDE SUCH CONTINGENCIES, ALLOWANCES, ALTERNATIVES, ETC. TO ACCOUNT FOR MODIFICATIONS AND ADDITIONS THAT WILL OCCUR TO THE DRAWINGS DURING FINALIZATION OF THE DESIGN AND PERMITTING PROCESS.

SCOPE OF WORK

1. THE WORK INCLUDED UNDER THIS SECTION CONSISTS OF FURNISHING ALL MATERIALS, EQUIPMENT AND LABOR, AND THE PERFORMING OF ALL FUNCTIONS, EXCEPT AS OTHERWISE SPECIFIED HEREIN OR SHOWN ON THE DRAWINGS TO BE PERFORMED BY OTHERS, AND FOR THE INSTALLATION OF ALL HEATING AND COOLING EQUIPMENT, PIPING AND ALL DUCTWORK, GRILLES,REGISTERS, ETC., INCLUDING ALL CONNECTIONS TO EACH SYSTEM AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS. IT SHALL FURTHER INCLUDE FURNISHING AND INSTALLING ALL MISCELLANEOUS ITEMS REQUIRED FOR THE OPERATION OF THE SYSTEM, WHETHER SPECIFICALLY CALLED OUT OR NOT.
2. SPECIAL INSPECTIONS: WHERE THE PLANS INDICATE SPECIAL INSPECTIONS AND REPORT, OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, HIRE AN INDEPENDENT THIRD PARTY INSPECTOR OR TESTING AGENCY TO PERFORM THE REQUIRED INSPECTIONS FOR THE TYPES OF WORK REQUIRED OR IDENTIFIED ON THE SPECIAL INSPECTION FORM. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE REGISTERED DESIGN PROFESSIONAL ENGINEER, PROVIDING TEST RESULTS AND STATING WHETHER THE ITEMS REQUIRING SPECIAL INSPECTION WERE IN COMPLIANCE WITH THE INSPECTION REQUIREMENTS. PROVIDE ADDITIONAL COST FOR ENGINEER'S SEALED LETTER OF APPROVAL.

COORDINATION

1. CONTRACT DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW APPROXIMATE LOCATIONS. COORDINATE WORK WITH ALL TRADES TO AVOID INTERFERENCE. INSTALLED HVAC WORK WHICH INTERFERES WITH THE WORK OF OTHER TRADES DUE TO LACK OF COORDINATION SHALL BE RE-INSTALLED AT NO ADDITIONAL COST TO THE OWNER.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT, PARTITIONS, WALLS, AND GENERAL CONSTRUCTION.
3. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH OTHER TRADES AFFECTED BY EACH OTHERS WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS WHICH MAY AFFECT HIS WORK BEFORE SUBMITTING BIDS.
5. PERFORMANCE OF ALL WORK SHALL BE SCHEDULED AS APPROVED BY THE OWNER. AVOID INTERFERENCE WITH FUNCTIONS IN OTHER PARTS OF THE FACILITY, AND COORDINATE WITH THE WORK OF OTHER TRADES. SERVICES SHALL NOT BE INTERRUPTED WITHOUT WRITTEN PRIOR APPROVAL OF THE OWNER.
6. NO STRUCTURAL MEMBER SHALL BE CUT WITHOUT PERMISSION FROM THE ARCHITECT AND THE STRUCTURAL ENGINEER.
7. PROTECT EXISTING BUILDING STRUCTURE AND GROUNDS FROM DAMAGE WHICH MAY OCCUR DURING DEMOLITION WORK. ANY DAMAGE TO THE EXISTING FACILITIES SHALL BE REPAIRED, REPLACED, OR RESTORED TO THE ORIGINAL CONDITION AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
8. SPACE ABOVE CEILINGS IS CRITICAL – THE CONTRACTOR SHALL VERIFY SPACE ABOVE CEILING & COORDINATE WITH PLUMBING, ELECTRICAL, STRUCTURAL, FIRE PROTECTION, ARCHITECTURAL, AND ALL OTHER TRADES INVOLVED BEFORE COMMENCEMENT OF WORK.

CODES AND PERMITS

1. ALL MATERIALS, EQUIPMENT AND INSTALLATION MUST COMPLY WITH ALL APPLICABLE LAWS, CODES, RULES AND REGULATIONS, REQUIRED BY CITY, COUNTY AND STATE, AS WELL AS FEDERAL REQUIREMENTS.
2. COMBUSTIBLE MATERIALS SHALL NOT BE USED IN A NON-COMBUSTIBLE BUILDING AS DEFINED BY THE BUILDING CODE. COMBUSTIBLE MATERIALS MAY BE PROTECTED AS SPECIFIED BY THE ENGINEER AND ARCHITECT OF RECORD.
3. PERMITS: OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES AND FEES.
4. INSPECTIONS: FURNISH OWNER WITH CERTIFICATE OF INSPECTION AND APPROVAL BY LOCAL AUTHORITIES PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL WORK MUST BE INSPECTED.

EXISTING CONDITIONS

1. PRIOR TO COMMENCING WORK, MECHANICAL CONTRACTOR SHALL CLEAN, TEST AND INSPECT ALL EXISTING MECHANICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS TO INSURE THAT ALL EQUIPMENT IS IN SATISFACTORY WORKING CONDITION. CONTRACTOR SHALL INCLUDE IN HIS BID THE REPLACEMENT OF FILTERS, CLEANING OF CONDENSATE DRAIN PANS AND DRAIN LINES, EVAPORATOR AND CONDENSER COILS AND THE REPLACEMENT OF FAN BELTS. CHARGE REFRIGERANT GAS AS REQUIRED. REPORT ANY DEFECTS/DEFICIENCIES TO OWNER/ARCHITECT IMMEDIATELY. SUBMIT ADDENDUM BID TO ACCOMMODATE ANY REPAIR/REPLACEMENTS AS REQUIRED.
2. VERIFY EXACT SIZE, LOCATION, ROUTING, ETC., OF ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, AIR DEVICES, THERMOSTATS, SENSORS, PIPING, ETC., WHICH ARE TO BE REMOVED, REPLACED, ABANDONED, REWORKED, ETC., AS REQUIRED AND SHOWN ON DRAWINGS.
3. MECHANICAL WORK SHOWN AS EXISTING IS FOR REFERENCE ONLY. FIELD VERIFY ALL EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY SHOULD THE FIELD CONDITIONS DIFFER FROM THE DRAWINGS IN SUCH A WAY AS TO COMPROMISE THE DESIGN.
4. CONTRACTOR SHALL ENSURE ALL SURFACES (FLOORS, WALLS, CEILINGS AND ROOF) ARE BROUGHT BACK TO ORIGINAL CONDITION IN ACCORDANCE WITH ARCHITECTS REQUIREMENTS AFTER MODIFICATIONS HAVE BEEN MADE. COORDINATE WITH GENERAL CONTRACTOR.

SEISMIC REQUIREMENTS (IF APPLICABLE FOR PROJECT LOCATION)

1. COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER FOR INFORMATION REGARDING THE REQUIRED SEISMIC ZONE FOR THE PROJECT.
2. ROOF TOP UNITS SHALL BE SECURED TO THE ROOF CURBS PER MANUFACTURER'S REQUIREMENTS ACCORDING TO THE SEISMIC ZONE.
3. ROOF CURBS SHALL BE SECURED TO THE ROOF IN AN APPROVED MANOR ACCORDING TO THE SEISMIC ZONE.
4. PROVIDE DUCT AND PIPING SUPPORTS, PROPERLY BRACED ACCORDING TO SMACNA GUIDELINES FOR THE SEISMIC ZONE INDICATED.

PRODUCTS

1. ALL PRODUCTS SHALL BE NEW AND UNUSED OF ESTABLISHED AND REPUTABLE AMERICAN MANUFACTURERS. ITEMS OF EQUIPMENT USED FOR THE SAME PURPOSE SHALL BE OF THE SAME MANUFACTURER.
2. SYSTEMS SHALL BE COMPLETE AND OPERABLE. ANY ACCESSORIES REQUIRED FOR THE OPERATION OF THE SYSTEM SHALL BE INCLUDED AS THOUGH SPECIFICALLY INDICATED TO BE PROVIDED. SUCH ACCESSORIES WOULD INCLUDE FILTERS, CONDENSATE DRAINS, RELIEF VALVES, SERVICE VALVES, THERMOSTATS, VIBRATION ISOLATORS, ETC. MOTOR STARTERS FOR PREWIRED EQUIPMENT (AND OTHER PROTECTION AND CONTROL DEVICES) ARE ALSO INCLUDED IN THIS SPECIFICATION.
3. SPECIFIC REFERENCE TO A MANUFACTURER'S PRODUCT IS ONLY TO ESTABLISH TYPE, QUALITY, AND PERFORMANCE REQUIRED. THESE QUALIFICATIONS ARE IN ADDITION TO THE REQUIREMENTS SHOWN ON THE DRAWINGS AND WITHIN THESE SPECIFICATIONS. LISTING OF ALTERNATE EQUIPMENT MANUFACTURERS SHALL NOT BE CONSTRUED AS AN UNCONDITIONAL APPROVAL OF THE PRODUCTS OF THOSE MANUFACTURERS.
4. ACCEPTABLE HVAC EQUIPMENT MANUFACTURERS: CARRIER, TRANE, YORK, LENNOX, APPROVED EQUAL OR AS SPECIFIED ELSEWHERE IN THESE DOCUMENTS.
5. PROVIDE CLEARANCES AS PER MANUFACTURERS RECOMMENDATIONS.

SUBSTITUTIONS

1. SUBSTITUTIONS OF MATERIALS OR PRODUCTS SHOWN HEREIN SHALL BE BY OWNER'S, ARCHITECTS, OR ENGINEER'S WRITTEN APPROVAL. ANY DEVIATION FROM THESE DRAWINGS WILL NOT BE ALLOWED.
2. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ANY SUBSTITUTIONS AND COSTS OF CHANGES INCURRED BY OTHER TRADES DUE TO THE SUBSTITUTIONS. OTHER TRADES INCLUDE: ELECTRICAL, PLUMBING, STRUCTURAL, ROOFING, OR ANY TRADE EFFECTED BY THE SUBSTITUTION.

SHOP DRAWING SUBMITTALS

1. PRIOR TO PROCUREMENT, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW FOR ALL EQUIPMENT, INCLUDING THE FOLLOWING:
   A. DIFFUSERS, REGISTERS, LOUVERS AND FLEXIBLE DUCTWORK.
   B. PACKAGED ROOFTOP UNITS, SPLIT-SYSTEM AIR HANDLING UNITS, CONDENSING UNITS, EVAPORATIVE COOLING UNITS AND EXHAUST FANS.
   C. THERMAL INSULATION, ACOUSTIC LINER AND FIRE DAMPERS.
   D. PIPING, SUPPORTS AND VALVES.
   E. AUTOMATIC TEMPERATURE CONTROLS.

THERMOSTATS, CONTROLS AND CONTROL WIRING

1. ALL CONTROL EQUIPMENT, INTEGRAL STARTERS, INTERLOCKING STARTERS, SMOKE DETECTORS, RELAYS, TRANSFORMERS, PANELS AND OTHER DEVICES SHOWN, SPECIFIED OR NEEDED FOR A COMPLETE CONTROL SYSTEM ARE TO BE PROVIDED AND INSTALLED UNDER THIS MECHANICAL DIVISION. COMPONENTS AND WIRING NOT SHOWN, BUT REQUIRED FOR THE PROPER OPERATION OF EQUIPMENT OR CONTROL SYSTEMS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE PROJECT.
2. POWER WIRING, LOW VOLTAGE WIRING AND RACEWAYS RELATED TO CONTROLS SYSTEMS ARE TO BE PROVIDED AND INSTALLED UNDER THE MECHANICAL DIVISION.
3. INSTALLATION OF ALL EQUIPMENT, DEVICES AND WIRING SHALL CONFORM TO THE NATIONAL ELECTRIC CODE. ALL CONTROLS SHALL BE FURNISHED AND PROPERLY IDENTIFIED WITH INSTRUCTIONS FOR PROPER CONNECTIONS. RESPONSIBILITY FOR PROPER CONNECTIONS AND OPERATION IS INCLUDED UNDER THE MECHANICAL CONTRACTORS RESPONSIBILITY. VERIFY ALL VOLTAGES, PHASES AND ELECTRICAL CONNECTIONS WITH THE ELECTRICAL CONTRACTOR BEFORE ORDERING ANY EQUIPMENT, AND IF DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK.
4. ALL TEMPERATURE CONTROLS ARE TO BE TESTED, ADJUSTED, AND CALIBRATED FOR PROPER OPERATION.
5. COORDINATE EXACT THERMOSTAT MOUNTING HEIGHT ABOVE FINISHED FLOOR AND FINAL LOCATION WITH THE ARCHITECT.
6. THERMOSTATS LOCATED ON EXTERIOR WALLS SHALL HAVE AN INSULATED SUB-BASE.

DUCT SMOKE DETECTORS

1. FIELD VERIFY FOR PRESENCE OF EXISTING DUCT SMOKE DETECTORS. TEST AS REQUIRED BY INSPECTOR.
2. WHERE NOT EXISTING, MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL ALL DUCT SMOKE DETECTORS WHERE INDICATED ON THE DRAWINGS AND AS REQUIRED BY LOCAL ADOPTED CODES, LOCAL AMENDMENTS, THE BUILDING OFFICIAL, AND FOR ANY AIR HANDLING SYSTEM WITH A CAPACITY GREATER THAN 2000 CFM.
3. SMOKE DETECTORS SHALL BE POWERED BY 24 VOLT POWER. POWER MAY BE TAKEN FROM UNIT CONTROL TRANSFORMER IF APPROVED BY MANUFACTURER WITHOUT VOIDING WARRANTY. IF MANUFACTURER WILL NOT ALLOW ADDITIONAL CONTROL CIRCUIT LOAD, PROVIDE AND INSTALL A SECONDARY 24 VOLT TRANSFORMER POWERED FROM EQUIPMENT POWER SUPPLY TO CONTROL SMOKE DETECTOR. ALTERNATIVE 120 VOLT POWER PROVISIONS ARE ACCEPTABLE. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO PROVIDING POWER TO SMOKE DETECTORS.
4. UPON ACTIVATION, SMOKE DETECTOR SHALL SHUT DOWN 24 VOLT CONTROL POWER CIRCUIT AND ALL OPERATIONAL CAPABILITIES OF THE AIR DISTRIBUTION SYSTEMS FOR THE CONNECTED UNIT.
5. INTERFACE DETECTORS TO SUPERVISORY CIRCUIT OF FIRE ALARM SYSTEM/FIRE SPRINKLER MONITORING PANEL. IN OCCUPANCIES NOT REQUIRED TO BE EQUIPPED WITH A FIRE ALARM SYSTEM, PROVIDE DUCT DETECTOR WITH A REMOTE LED INDICATOR LIGHT MOUNTED BELOW UNIT IN CEILING PER NFPA 72-5-10.6.0B OR AN APPROVED LOCATION. COORDINATE WITH ELECTRICAL/FIRE ALARM CONTRACTOR PRIOR TO ROUGH-IN.

DUCTWORK

1. ALL DUCTWORK AND PLENUMS SHALL BE GALVANIZED SHEET METAL. FABRICATE AND INSTALL ALL DUCTWORK IN STRICT CONFORMANCE WITH THE LATEST SMACNA MANUAL, AND APPLICABLE MECHANICAL CODES FOR LOW VELOCITY DUCT CONSTRUCTION STANDARDS.
2. EACH DUCT SYSTEM SHALL BE COMPLETE WITH ALL REQUIRED DUCTWORK FITTINGS, TURNING VANES, SPLITTER DAMPERS AND SUPPORTS, AND EXTRACTORS AT ALL RIGHT ANGLE TAKEOFFS AND TEES.
3. DUCTWORK SHALL BE GALVANIZED, PRIME-GRADE, LOCK-FORMING QUALITY STEEL (LFQ) HAVING A GALVANIZED COATING OF 1-3/4 OUNCES TOTAL FOR BOTH SIDES OF ONE SQUARE FOOT OF A SHEET.
4. CROSSBREAK ALL SIDES OF ALL DUCTS IN ACCORDANCE WITH SMACNA GUIDELINES. DUCTWORK INSTALLATIONS SHALL MAKE NO OBJECTIONABLE NOISE, AND CONTRACTOR SHALL PROVIDE ANY ADDITIONAL STIFFENERS REQUIRED.
5. ALL LONGITUDINAL SEAMS SHALL BE PITTSBURGH LOCK SEAM, HAMMERED FLAT, WITH ALL TRANSVERSE JOINTS TAPED WITH 8 OZ. CANVAS AND SEALED WITH ARABOL, AIR TIGHT. DUCT TAPE IS NOT ALLOWED.
6. PROVIDE DOUBLE THICKNESS, FACTORY FABRICATED GALVANIZED SHEET STEEL TURNING VANES WITH AIRFOIL CONTOUR IN ALL RIGHT ANGLE ELBOWS, TEES, AND ELBOWS WITH RADIUS LESS THAN 1-1/2 TIMES THE WIDTH OF THE DUCT.
7. ALL ROUND DUCT BRANCH TAKEOFFS SHALL BE PROVIDED WITH SPIN-IN COLLAR AND BALANCING DAMPER.
8. DUCT SIZES SHOWN ON THE DRAWINGS ARE TO THE INSIDE OF ACOUSTICAL LININGS. INCREASE SIZES OF DUCTS AS REQUIRED TO ACCOMMODATE ACOUSTICAL INSULATION.
9. DUCTWORK SHALL CONFORM TO DIMENSIONS ON THE DRAWINGS, UNLESS LOCATION OF STRUCTURAL MEMBERS IS PROHIBITIVE. IN CASE OF CHANGE IN DIMENSIONS, CROSS SECTIONAL AREAS SHALL BE MAINTAINED.
10. ALL DUCTS SHALL BE SUBSTANTIALLY SUPPORTED WITH HANGERS TO THE STRUCTURE OR OTHERWISE DEPENDING ON LOCATION CONDITIONS, PLACING SUPPORTS NOT OVER 8 FEET APART ALONG THE LENGTH OF THE DUCT. HANGERS SHALL CONFORM TO ALL APPLICABLE MECHANICAL CODES AND SMACNA REQUIREMENTS.
11. FLEXIBLE ROUND DUCTS TO OUTLETS SHALL BE THERMAFLEX TYPE MKE, A MAXIMUM LENGTH OF 8'-0" LONG (AND ALLOWED ONLY WHERE INDICATED ON THE DRAWINGS).
12. ALL FACTORY-MADE DUCTS MUST BE CLASS 0 OR 1 AS APPROVED BY THE LOCAL APPLICABLE MECHANICAL CODE.
13. ALL MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25, AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH THE TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.

ACOUSTICAL LINER

1. SUPPLY, RETURN AND PLENUM DUCTS SHALL BE ACOUSTICALLY LINED FOR THE FIRST 15'-0" MINIMUM FROM UNIT CONNECTION POINTS.
2. ALL SHEET METAL SUPPLY, RETURN AND PLENUM DUCTWORK REQUIRING ACOUSTICAL LINER SHALL BE LINED WITH 1" THICK LINER.

THERMAL DUCT AND PLENUM INSULATION

1. ALL SUPPLY AND RETURN DUCTS SHALL BE INSULATED IN ACCORDANCE WITH THE PREVAILING ENERGY CODE (IECC OR TITLE 24). PROVIDE WATERPROOF ALUMINUM JACKETING FOR OUTDOOR INSULATED DUCTS. EXPOSED UN-INSULATED SUPPLY AIR DUCTS IN CONDITIONED SPACES WILL NOT BE ALLOWED WITHOUT PRIOR WRITTEN REQUEST AND APPROVAL BY THE OWNER AND MECHANICAL ENGINEER.
2. ALL RESIDENTIAL SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH R-8 INSULATION.
3. EXHAUST DUCTS SHALL NOT BE INSULATED.
4. ALL INSULATION AND LINERS, MATERIAL, COVERINGS, ADHESIVE, VAPOR-BARRIERS AND TAPES SHALL CONFORM TO NFPA 90A, FLAME SPREAD CLASSIFICATION NOT TO EXCEED 25 AND SMOKE DEVELOPMENT, NOT TO EXCEED 50.
5. EXTERNALLY INSULATED DUCTS
   A. ALL EXTERNALLY INSULATED DUCTS SHALL BE INSULATED WITH MINIMUM 2" THICK .75 LB. DENSITY FIBERGLASS BLANKET WITH FRK (FOIL REINFORCED KRAFT) VAPOR BARRIER FACING. INSULATION SHALL HAVE A CONDUCTIVITY NOT TO EXCEED 0.27 BTU PER INCH PER SQUARE FOOT PER DEGREE FAHRENHEIT PER HOUR AT 75 DEGREE FAHRENHEIT MEAN TEMPERATURE.
   B. INSULATION SHALL BE WRAPPED TIGHTLY ON THE DUCTWORK WITH ALL CIRCUMFERENTIAL JOINTS BUTTED AND LONGITUDINAL JOINTS OVERLAPPED A MINIMUM OF 2". ADHERE INSULATION TO METAL ON THE BOTTOM OF RECTANGULAR DUCTWORK OVER 24" WIDE WITH 4" STRIP OF INSULATION BONDING ADHESIVE, BENJAMIN FOSTER 85-15, OR EQUAL, AND ADDITIONALLY SECURE INSULATION WITH MECHANICAL FASTENERS AT NOT MORE THAN 18" O/C. ON ALL JOINTS, THE 2" FLANGE OF THE FACING OR THE 2" OVERLAP SHALL BE SECURED USING 9/16" FLARE-DOOR STAPLES APPLIED 6" O/C AND TAPED WITH MINIMUM 3" WIDE FOIL REINFORCED KRAFT TAPE. ALL PIN PENETRATIONS OR PUNCTURES IN FACING SHALL ALSO BE TAPED. VERTICAL DUCTS SHALL HAVE INSULATION ADEQUATELY SECURED TO PREVENT SLIPPING.
6. INTERNALLY INSULATED DUCTS
   A. MATERIAL: MINIMUM 1-1/2 LB. NEOPRENE OR HEAVY DENSITY COATED FIBERGLASS DUCT LINER SUITABLE FOR VELOCITIES UP TO 4,000 FPM COMPLYING WITH NFPA 90A.
   B. APPLICATION: COATED DUCT LINER SHALL BE CUT TO ASSURE OVERLAPPED AND COMPRESSED LONGITUDINAL CORNER JOINTS. APPLY LINER WITH COATED SURFACE FACING THE AIR STREAM AND ADHERED WITH 100% COVERAGE FIRE RETARDANT ADHESIVE. COAT ALL EXPOSED LEADING EDGES AND ALL TRANSVERSE JOINTS WITH FIRE RETARDANT ADHESIVE. THE LINER SHALL BE ADDITIONALLY SECURED WITH MECHANICAL FASTENERS WHICH SHALL COMPRESS THE DUCT LINER SUFFICIENTLY TO HOLD IT FIRMLY IN PLACE AS FOLLOWS:
   C. INSTALLATION FOR VELOCITIES TO 2,000 FPM: FASTENERS SHALL START WITHIN 3" OF THE UPSTREAM TRANSVERSE EDGES OF THE LINER AND 3" FROM THE LONGITUDINAL JOINTS AND SHALL BE SPACED AT A MAXIMUM OF 12" O.C. AROUND THE PERIMETER OF THE DUCT, EXCEPT THAT THEY MAY BE A MAXIMUM OF 12" FROM A CORNER BREAK. ELSEWHERE, THEY SHALL BE MAXIMUM OF 18" O.C. EXCEPT THAT THEY SHALL BE PLACED NOT MORE THAN 6" FROM A LONGITUDINAL JOINT OF THE LINER NOR 12" FROM A CORNER BREAK. COAT ALL EXPOSED JOINTS AND EDGES OF TRANSVERSE JOINTS WITH A FIRE RETARDANT ADHESIVE.
   D. OUTDOOR DUCTWORK SHALL BE INSULATED INTERNALLY WITH 2" DUCT LINER. INSTALL PER MANUFACTURERS INSTRUCTIONS. ALL OUTDOOR DUCTWORK JOINTS SHALL BE SEALED WITH SILICONE SEALANT AND MADE COMPLETELY WATERTIGHT AND LEAK PROOF.

GRILLES, REGISTERS AND DIFFUSERS

1. FURNISH AND INSTALL ALL GRILLES, REGISTERS, CEILING DIFFUSERS AND DOOR GRILLES WHERE INDICATED. THEY SHALL BE OF SIZE AND MODEL CALLED FOR ON THE DRAWINGS.
2. ALL GRILLES, REGISTERS, AND CEILING DIFFUSERS MUST BE SET FLUSH AND TRUE TO WALL OR CEILING TO PREVENT AIR LEAKAGE AROUND EDGES. ALL UNITS SHALL BE PROVIDED WITH NEOPRENE GASKETING AROUND THE INSIDE OF THE FRAME.
3. ALL UNITS SHALL BE FACTORY FINISHED, OF COLOR SELECTED BY THE ARCHITECT, OR AS OTHERWISE INDICATED.
4. PAINT ALL DUCTWORK, TURNING VANES, INSULATION, ETC. THAT IS VISIBLE THROUGH GRILLES, REGISTERS, OR CEILING DIFFUSERS FLAT BLACK.

RELIEF VENTS

1. ALL RELIEF VENT EXTERIOR PENETRATIONS SHALL BE PROVIDED WITH COUNTERBALANCED BAROMETRIC BACKDRAFT DAMPERS.

EQUIPMENT

1. ALL MECHANICAL EQUIPMENT SHALL BE PROPERLY LISTED AND LABELED BY AN APPROVED AGENCY.
2. ALL EQUIPMENT SHALL BE LABELED WITH STEEL TAGS EMBOSSED WITH 1/4" HIGH LETTERS, PERMANENTLY ATTACHED. TAG SHALL CLEARLY INDICATE THE AREA SERVED BY THE EQUIPMENT.
3. MAINTAIN MANUFACTURER'S RECOMMENDATIONS FOR ALL REQUIRED SERVICE CLEARANCES AND INSTALLATION OF EQUIPMENT.
4. REFER TO ARCHITECTURAL DRAWINGS FOR ACCESS TO ROOF INSTALLED MECHANICAL EQUIPMENT. ROOF ACCESS TO COMPLY WITH THE MECHANICAL CODE ADOPTED BY THE LOCAL JURISDICTION.

AIR CONDITIONING AND REFRIGERATION PIPING

1. COPPER TUBE WITH BRAZE JOINTS
2. TYPE ACR HARD OR ANNEALED TEMPER SEAMLESS COPPER TUBING ASTM B280
3. BRAZED JOINT PRESSURE FITTINGS ASME B16.50 WROUGHT COPPER ALLOY
4. JOINTS: FLARED OR BRAZED: ASTM A5.8 BCUP-SERIES COPPER-PHOSPHORUS ALLOYS

CONDENSATE DRAIN

1. FOR EACH HVAC UNIT, PROVIDE FULL SIZED 4" DEEP (MINIMUM) TRAPPED CONDENSATE DRAIN OF COPPER TYPE "M" HARD DRAWN. SCHEDULE 40 PVC ALLOWED FOR INDOOR PORTION OF DRAIN WITH DUCTED RETURN AIR HVAC SYSTEMS.
2. PVC DRAIN PIPING NOT ALLOWED IN PLENUM RETURNS. PROVIDE NON-TRAPPED DRAIN FOR EVAPORATIVE COOLING UNITS. FIELD VERIFY ROUTING IS NOT OVER CRITICAL SPACES CONTAINING WATER SENSITIVE EQUIPMENT.
3. ROUTE PIPING TO 6" ABOVE NEAREST FLOOR SINK, MOP SINK OR DRAIN OR AS INDICATED ON THE DRAWINGS. (LAVATORY TAILPIECE IS AN ACCEPTABLE RECEPTACLE IF ALLOWED BY OWNER AND AUTHORITY HAVING JURISDICTION.)
4. SLOPE ALL CONDENSATE PIPING AT A MINIMUM OF 1/8" PER FOOT.
5. INSTALL CLEAN OUTS AT EVERY 90 DEGREE TURN ON ALL CONDENSATE DRAIN LINES.
6. PROVIDE AN APPROVED SECONDARY DRAIN SYSTEM OR APPROVED WATER LEVEL DETECTION DEVICE CONFORMING TO UL508 WHERE DAMAGE TO ANY BUILDING COMPONENTS WILL OCCUR AS A RESULT OF OVERFLOW OR STOPPAGE OF THE PRIMARY CONDENSATE DRAIN SYSTEM.
7. INSULATE THE FIRST 8 FEET OF CONDENSATE DRAIN PIPING AND ANY ADDITIONAL CONDENSATE DRAIN PIPING WHERE ENVIRONMENTAL CONDITIONS MAY CAUSE CONDENSATION TO DRIP FROM PIPING.
8. PROVIDE MEANS OF PREVENTING DISSIMILAR METAL CONTACT BETWEEN ALL PIPING MATERIALS FROM ANY OTHER METAL OR STRUCTURAL MEMBER TO PREVENT GALVANIC ACTION BETWEEN THE TWO METALS.
9. WHERE CONDENSATE PUMPS ARE INSTALLED AND LOCATED IN UNINHABITABLE SPACES, THE PUMP SHUTOFF/LOW-DETECTION SWITCH SHALL BE WIRED TO THE APPLIANCE OR EQUIPMENT SERVED FOR UNIT SHUT-DOWN UPON PUMP FAILURE.

PIPE INSULATION

1. INSULATE THE FIRST 8 FEET OF CONDENSATE DRAIN PIPING AND ANY ADDITIONAL CONDENSATE DRAIN PIPING WHERE ENVIRONMENTAL CONDITIONS MAY CAUSE CONDENSATION TO DRIP FROM PIPING.
2. EXTERIOR INSULATION SHALL BE RATED FOR EXTERIOR USE OR PROVIDED WITH UV RATED PROTECTIVE COATING.
3. ALL HEATING WATER AND CHILLED WATER PIPING SHALL HAVE FIBERGLASS INSULATION WITH ASJ JACKET, ACHIEVING A THERMAL CONDUCTIVITY (K-FACTOR) OF 0.24 AT 75 DEGREES MEAN TEMPERATURE. INSULATION THICKNESS SHALL MEET THE REQUIREMENTS OF THE CURRENT IECC CODE.
4. THE MAXIMUM FIRE HAZARD CLASSIFICATION OF THE INSULATION SYSTEM SHALL NOT HAVE MORE THAN A FLAME SPREAD OF 25, A FUEL CONTRIBUTED RATING OF 50, AND A SMOKE DEVELOPED RATING OF 50 WHEN TESTED IN ACCORDANCE WITH U.L. REQUIREMENTS. PIPE COVERING SHALL BEAR THE U.L. LABEL.
5. INSULATE ALL FITTINGS, VALVE BODIES ETC. WITH SINGLE OR MULTIPLE LAYERS OF INSULATION WITH PREFABRICATED FITTINGS WITH P.V.C. JACKETS.
6. PROVIDE MANUFACTURER SUBMITTAL FOR ALL INSULATION MATERIALS.

FINAL TESTS

1. AN INDEPENDENT AABC, NEBB OR TABB LIFE SAFETY LEVEL 2 CERTIFIED CONTRACTOR SHALL BALANCE AIR DISTRIBUTION TO VALUES LISTED ON DRAWINGS. A FINAL COPY OF THE TEST AND BALANCE REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE REPORT. A PROJECT SHALL NOT BE CONSIDERED IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS UNTIL SUCH A REPORT HAS BEEN PROVIDED TO THE ENGINEER.
2. BEFORE ACCEPTANCE AND FINAL PAYMENT, IT SHALL BE DEMONSTRATED THAT ALL APPARATUS IS FUNCTIONING PROPERLY AND EFFICIENTLY. THE CONTRACTOR SHALL MAKE A THOROUGH TEST OF EACH SUPPLY, RETURN, AND EXHAUST SYSTEMS TO ASSURE THAT EACH DIFFUSER AND REGISTER HAS THE PROPER QUANTITY OF AIR IN ACCORDANCE WITH AABC OR NEBB. PROVIDE ADDITIONAL COMFORT BALANCE ADJUSTMENTS PER OWNER/TENANT REQUIREMENTS TO ADDRESS ANY NEEDED VARIATIONS IN DESIGN AIR FLOWS.
3. THE TEST AND BALANCE CONTRACTOR HAS THE RIGHT TO COMMUNICATE ANY INFORMATION TO THE MECHANICAL ENGINEER.

GUARANTEE

1. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FROM DEFECT OF WORKMANSHIP, AND SHALL REPLACE OR REPAIR WITHOUT ADDITIONAL COST TO THE OWNER ALL DEFECTIVE MATERIAL AND WORKMANSHIP, FOR A PERIOD OF (1) YEAR AFTER COMPLETION AND ACCEPTANCE.

CLOSEOUT

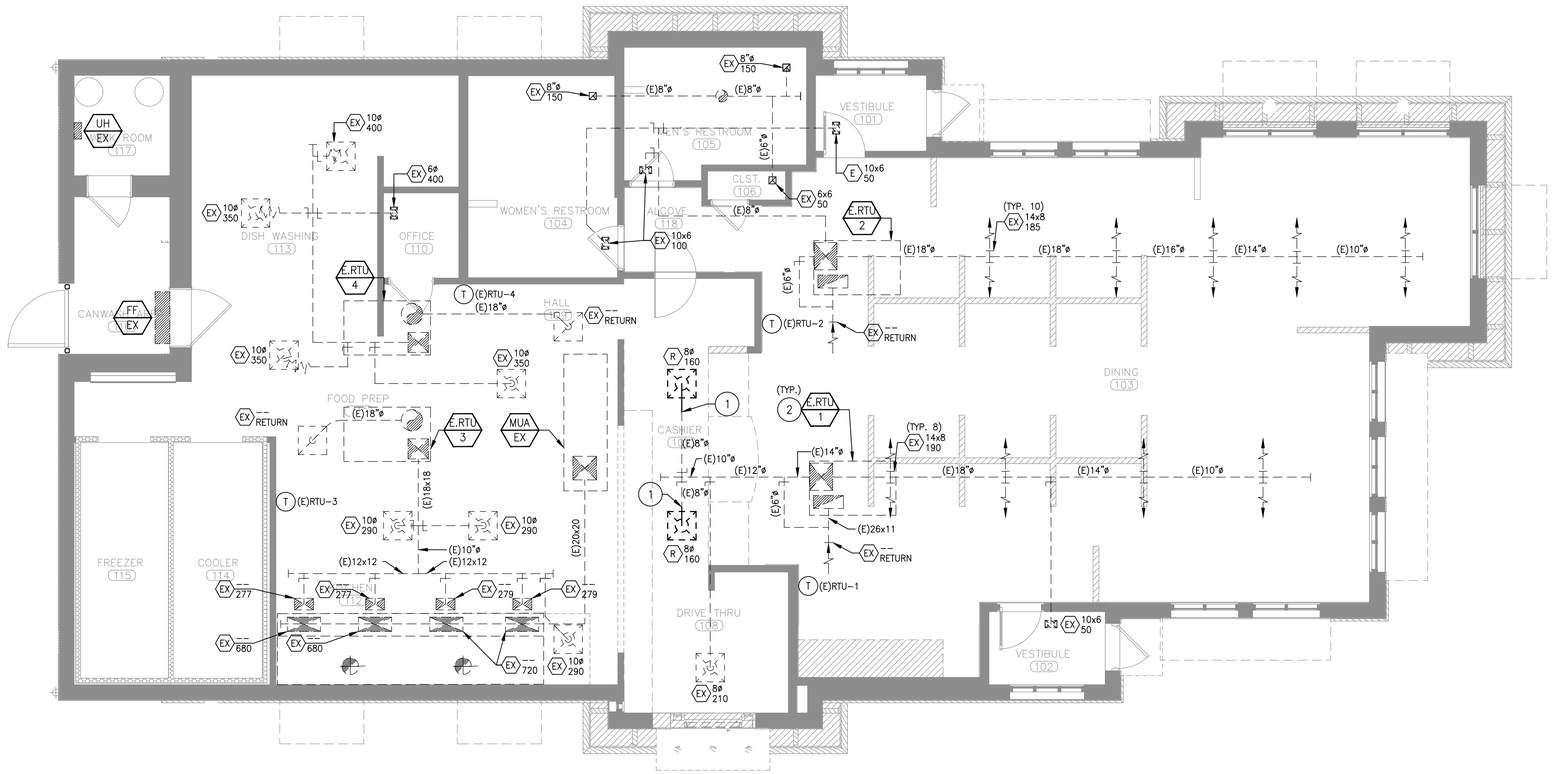
1. PROVIDE OWNER WITH COMPLETE OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT AND CONTROLS INSTALLED. DOCUMENTATION MUST INCLUDE EQUIPMENT CAPACITY (INPUT & OUTPUT), REQUIRED MAINTENANCE ACTIONS, CONTROLS AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, CONTROL SEQUENCE DESCRIPTIONS, DESIRED OR FIELD-DETERMINED SETPOINTS, AND A COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.
2. PROVIDE A COMPLETE SET OF FULL SIZE AS-BUILT DRAWINGS OF THE COMPLETE INSTALLATION INCLUDING ALL CHANGES MADE DURING CONSTRUCTION.

ORDER OF PRECEDENCE OF DOCUMENTS

1. SHOULD A CONFLICT ARISE BETWEEN CONSTRUCTION DOCUMENTS, THE ORDER OF PRECEDENCE SHALL BE:
   A. SPECIAL PROVISIONS
   B. GENERAL PROVISIONS
   C. SPECIFICATIONS
   D. DETAILS ON DRAWINGS
   E. PLAN DRAWINGS
2. THE ENGINEER OF RECORD SHALL BE NOTIFIED BEFORE A DECISION IS MADE.

2021 IECC COMPLIANCE NOTES

1. ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE THE BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION.
   EXCEPTIONS:
   1. WHEN LOCATED WITHIN EQUIPMENT.
   2. WHEN THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND THE EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15 DEG. F.
2. PROVIDE AUTOMATIC CHANGEOVER 7-DAY PROGRAMMABLE THERMOSTATS FOR EACH ZONE WITH A 2-HOUR OCCUPANT OVERRIDE, INTELLIGENT RECOVERY, AND 10-HOUR MINIMUM BATTERY BACKUP. PROGRAM SETBAC



1 EXISTING/DEMO MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH

PROJECT NORTH

DUCTWORK SYMBOLS

SINGLE	DOUBLE	ABBR.	DESCRIPTION
		–	RECTANGULAR DUCT (NEW)
		–	ROUND DUCT (NEW)
		–	RECTANGULAR DUCT (EXISTING)
		–	ROUND DUCT (EXISTING)
		–	45 DEG. TAP: USE AT BRANCH DUCTS ONLY
		–	DUCT SPLIT WITH DAMPER: USE AT ELBOWS AND TEES: PROPORTION DUCT AREAS BY CFM'S
		–	CURVED ELBOW–MIN. RADIUS R: 1.5 WIDTH
		–	90 DEG. ELBOW WITH SINGLE RADIUS TURNING VANES
		–	FLEXIBLE DUCT CONNECTION
SD	SD	SD	SMOKE DETECTOR

VD	VD	VOLUME DAMPER
–	–	SPIN–IN FLEX DUCT TAKEOFF WITH DAMPER
SA	SA	SUPPLY AIR
EXH / EA	EXH / EA	EXHAUST AIR
RA	RA	RETURN AIR
REL	REL	RELIEF AIR
OSA / OA	OSA / OA	OUTSIDE AIR
POC	POC	POINT OF CONNECTION
NTS	NTS	NOT TO SCALE
FSD	FSD	FIRE/SMOKE DAMPER
T	T	THERMOSTAT MOUNTED AT A 48" MAX. OR PER ADA REQUIREMENTS

NOTE: ALL SYMBOLS MAY NOT APPLY

(#) DEMOLITION KEYED NOTES: (THIS SHEET ONLY)

1. DEMOLISH EXISTING DUCT WORK TO POINT SHOWN. PREPARE EXISTING DUCTWORK FOR RELOCATION. SEE GENERAL NOTE "A" REGARDING EXISTING DIFFUSER TO BE PREPARED FOR RELOCATION.
2. MECHANICAL EQUIPMENT EXISTING TO REMAIN. (TYP.)

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

A. MECHANICAL CONTRACTOR MUST EXAMINE THE CONTRACT DRAWINGS AND ALL AVAILABLE INFORMATION CONCERNING EXISTING INSTALLATION, STRUCTURE AND LOCAL CONDITIONS. VISIT THE SITE TO UNDERSTAND THE NATURE AND SCOPE OF ALL WORK TO BE PERFORMED AND VERIFY EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS. COMMENCEMENT OF WORK WILL BE TAKEN AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND THAT ALL EXISTING CONDITIONS HAVE BEEN CONSIDERED, AND NO ADDITIONAL SERVICE FEES SHALL BE GRANTED FOR THE FAILURE TO PERFORM THIS WORK.

B. REFER TO ARCHITECTURAL DRAWINGS FOR ACCESS LOCATIONS TO ROOF.

C. CONTRACTOR SHALL MAINTAIN ALL WARRANTIES ASSOCIATED WITH THE ROOF FOR ALL ROOF PENETRATIONS. PROVIDE NEW ROOF CURBS AND PIPE PORTALS AS NECESSARY. COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DRAWINGS.

D. ALL EXISTING AIR DEVICES SHOULD BE STOCKPILED DURING DEMO PHASE. INSPECT CONDITION, REFURBISH DIFFUSERS IF POSSIBLE AND REUSE DIFFUSERS IN GOOD CONDITION. COORDINATE WITH GC FOR LINE ITEM BID TO CLEAN/PAINT REUSED DIFFUSERS.

E. CONTRACTOR TO VERIFY INSTALLATION OF EXISTING CONDENSATE DRAIN LINES AT EXISTING ROOFTOP UNITS. VERIFY EACH UNIT IS PROVIDED WITH A TRAPPED AND VENTED DRAIN SIZED MINIMUM OF UNIT OUTLET. REPAIR/REPLACE EXISTING DRAIN LINES AS NECESSARY.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

F. CONTRACTOR MAY REUSE ANY DEMOLISHED DUCTWORK/COMPONENTS PROVIDED IT'S IN LIKE-NEW CONDITION AND MATCHES SIZES INDICATED ON THE DRAWINGS. OBTAIN APPROVAL BY THE TENANT PRIOR TO REUSE.

G. REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, WIRING AND ASSOCIATED COMPONENTS NOT SHOWN AS EXISTING TO REMAIN OR TO BE REUSED. REUSE AND/OR MODIFY EXISTING OPENINGS FOR NEW EQUIPMENT AS NECESSARY. OTHERWISE PATCH ROOF WATER TIGHT TO MATCH EXISTING ROOFING.

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LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
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MACK ENGINEERS
REG. NO. F-15042

MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

BIG STAR LAND LLC.

SLIM CHICKENS-ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

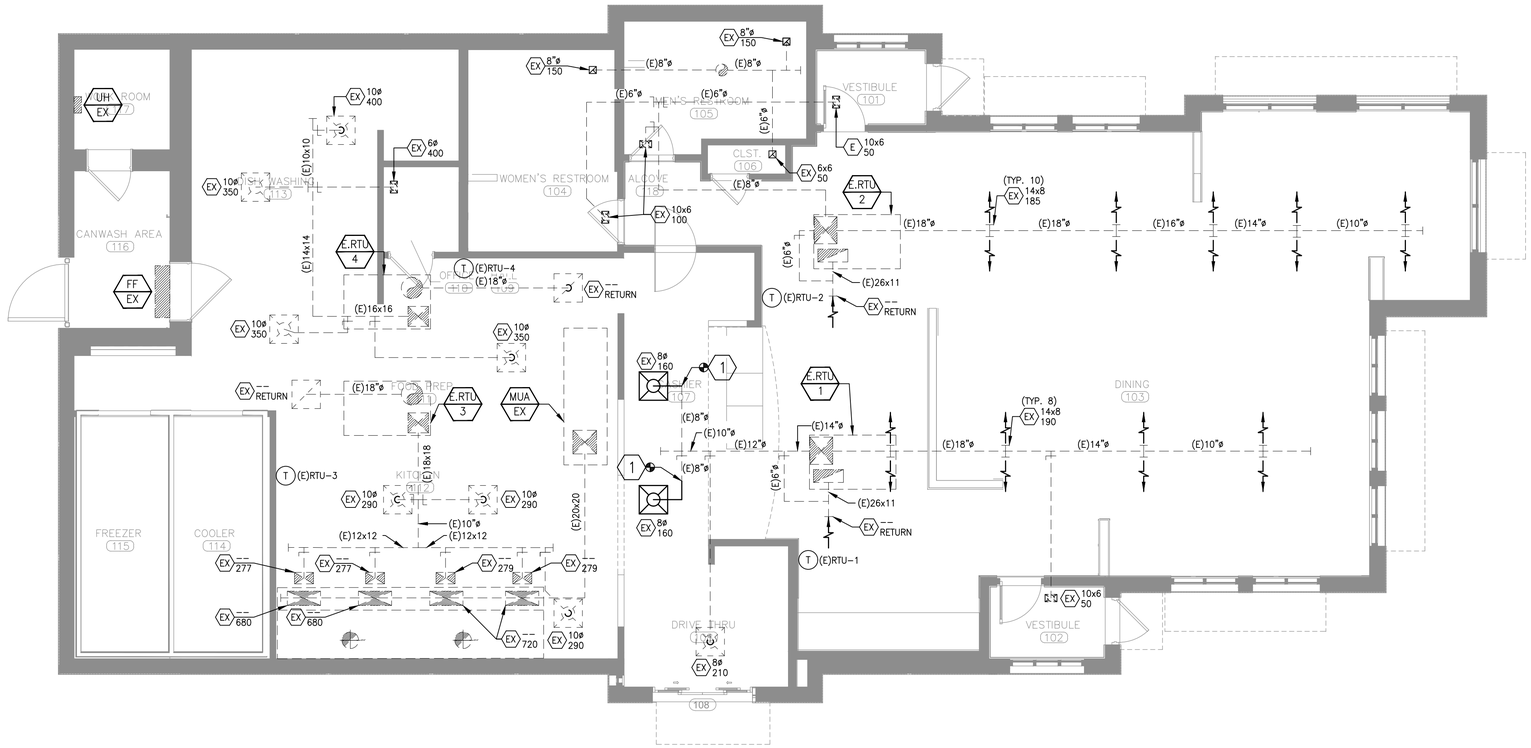
#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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EXISTING/DEMO MECHANICAL PLAN

M-101



1 PROPOSED MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH | PROJECT NORTH

KEYED NOTES: (THIS SHEET ONLY)

1. CONNECT NEW 8'Ø DUCT TO EXISTING DUCTWORK AS SHOWN. ROUTE DUCT TO CONNECT TO EXISTING RELOCATED DIFFUSER AS SHOWN.

GENERAL NOTES: (THIS SHEET ONLY)

A. NEW EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE ACTUAL LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. FIELD VERIFY THE LOCATION AND CONDITION OF EXISTING ROOF CURB(S) PRIOR TO ANY WORK. VERIFY ROOF CURB IS COMPATIBLE WITH UNIT(S) SPECIFIED IN THIS T.I. PRIOR TO BID. IF CURB LOCATION OR CONDITION IS DIFFERENT AS TO COMÁPROMISE THE DESIGN, CONTACT THE ENGINEER PRIOR TO BID.

B. MECHANICAL CONTRACTOR MUST EXAMINE THE CONTRACT DRAWINGS AND ALL AVAILABLE INFORMATION CONCERNING EXISTING INSTALLATION, STRUCTURE AND LOCAL CONDITIONS. VISIT THE SITE TO UNDERSTAND THE NATURE AND SCOPE OF ALL WORK TO BE PERFORMED AND VERIFY EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS. COMMENCEMENT OF WORK WILL BE TAKEN AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND THAT ALL EXISTING CONDITIONS HAVE BEEN CONSIDERED, AND NO ADDITIONAL SERVICE FEES SHALL BE GRANTED FOR THE FAILURE TO PERFORM THIS WORK.

C. REFER TO ARCHITECTURAL DRAWINGS FOR ACCESS LOCATIONS TO ROOF.

D. PROVIDE DUCT TRANSITIONS WITH FLEXIBLE CONNECTIONS AT THE SUPPLY AND RETURN OPENINGS OF THE EQUIPMENT TO THE DUCT SIZES SHOWN ON DRAWINGS.

E. PROVIDE LOCKING DAMPER AS NEEDED IN OUTSIDE AIR AND/OR RETURN DUCTS FOR THE PURPOSE OF BALANCING OUTSIDE AIR TO DESIGN REQUIREMENTS.

F. CONTRACTOR SHALL MAINTAIN ALL WARRANTIES ASSOCIATED WITH THE ROOF FOR ALL ROOF PENETRATIONS. PROVIDE NEW ROOF CURBS AND PIPE PORTALS AS NECESSARY. COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DRAWINGS.

G. MAINTAIN A MINIMUM OF 10'-0" CLEARANCE BETWEEN ALL EXHAUST/VENT OUTLETS AND ALL FRESH AIR INTAKES.

H. MECHANICAL CONTRACTOR TO FIELD VERIFY AND PATCH/SEAL ALL EXISTING DUCTWORK AS REQUIRED.

I. ALL EXISTING AIR DEVICES SHOULD BE STOCKPILED DURING DEMO PHASE. INSPECT CONDITION, REFURBISH DIFFUSERS IF POSSIBLE AND REUSE DIFFUSERS IN GOOD CONDITION. COORDINATE WITH GC FOR LINE ITEM BID TO CLEAN/PAINT REUSED DIFFUSERS.

J. CONTRACTOR TO VERIFY INSTALLATION OF EXISTING CONDENSATE DRAIN LINES AT EXISTING ROOFTOP UNITS. VERIFY EACH UNIT IS PROVIDED WITH A TRAPPED AND VENTED DRAIN SIZED MINIMUM OF UNIT OUTLET. REPAIR/REPLACE EXISTING DRAIN LINES AS NECESSARY.

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TEXAS REGISTRATION # : BR 3647
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PROPOSED MECHANICAL PLAN

M-101.1

EXISTING PACKAGED GAS UNIT SCHEDULE (E.RTU –)

MARK	NOMINAL TONS	MANUFACTURER MODEL #	AIR CAPACITIES				SEER/ IEER	NAT. GAS INPUT (MBH) (% EFF.)	CYCLE	HEATING/COOLING CAPACITIES						ELECTRICAL DATA				OP. WT. LBS.	UNIT HT. W/ CURB	REMARKS
			TOTAL CFM	OA CFM	ESP IWG	BLOWER BHP				ENT AIR		AMBIENT		MBH		MCA	MOCP	VOLT/Ø	SCCR			
										DB	WB	DB	WB	TOTAL	SENSIBLE							
1, 2	6	CARRIER 48TCDA07	2400	670	.5"	–	11.2 IEER	72 (82)	COOL	–	–	98.9	76.1	74.3	55.4	–	–	–	–	682	–	NONE
									HEAT	–	–	28	–	59	–							
3	5	CARRIER 48TCDA06	1990	200	.5"	–	13.0 SEER	72 (82)	COOL	–	–	98.9	76.1	61.1	45.6	–	–	–	–	599	–	NONE
									HEAT	–	–	28	–	59	–							
3	4	CARRIER 48TCDA05	1610	200	.5"	–	13.0 SEER	72 (82)	COOL	–	–	98.9	76.1	48.7	36	–	–	–	–	567	–	NONE
									HEAT	–	–	28	–	59	–							

EXISTING EXHAUST FAN SCHEDULE (EF –)

MARK	MANUF./ MODEL #	TYPE	CFM	E.S.P.	HP	FAN RPM	VOLT Ø	B.D.D.	DRIVE	OPER. WT.	REMARKS
EX	GREENHECK G	ROOF	350	.375	1/4	–	–	YES	DIRECT	–	CONTROLED BY LIGHT SWITCH

GRILLE, REGISTER, & DIFFUSER SCHEDULE (UNIT MARK → # NECK SIZE CFM)

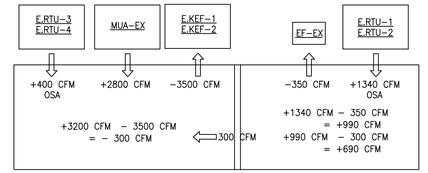
MARK	MANUF./ MODEL #	DESCRIPTION	FRAME	FINISH	MATERIAL	DAMPER	MAX. NC	REMARKS
EX	EXISTING	SUPPLY/RETURN DIFFUSER	–	–	–	–	–	–
R	RELOCATE EXISTING	SUPPLY/RETURN DIFFUSER	–	–	–	–	–	–

AIR BALANCE SCHEDULE

SYMBOL	O.S.A.	EXHAUST
E.KEF-1	–	-1700
E.KEF-2	–	-1800
E.RTU-3	200	–
E.RTU-4	200	–
MUA-EX	2800	–
TOTAL	3200	-3500
KITCHEN PRESSURE = (+)		-300

AIR BALANCE SCHEDULE

SYMBOL	O.S.A.	EXHAUST
EF-EX	–	-350
RTU-1	670	–
RTU-2	670	–
KITCHEN	–	-300
TOTAL	1340	-650
TOTAL BUILDING PRESSURE = (+)		+690



AIR FLOW DIAGRAM

NOT TO SCALE

EXISTING EXHAUST HOOD (E.EH –)

HOOD INFORMATION

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM					MUA CFM	AC CFM	HOOD CONSTRUCTION	HOOD CONFIG.	
				TOTAL EXH. CFM	RISER(S)							END TO END	ROW
					WIDTH	LENG.	DIA.	CFM / S.P.					
1	CADEX3-102-FP	8' 6.00"	450 Deg.	1700	10"	16"		1700 / -0.380"	1360	554	430 SS Where Exposed	LEFT	ALONE
2	CADEX3-108-FP	9' 0.00"	450 Deg.	1800	10"	17"		1800 / -0.396"	1440	558	430 SS Where Exposed	RIGHT	ALONE

EXISTING KITCHEN EXHAUST FAN (E.KEF –)

EXHAUST FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	MODEL	TAG	CFM	ESP.	RPM	H.P.	ø	VOLT	FLA	WEIGHT (LBS.)	SONES
1	BDU-15	BDU-15	HOOD 1	1700	0.600	986	0.750	3	208	2.7	130	9.3
2	BDU-15	BDU-15	HOOD 2	1800	0.600	1011	0.750	3	208	2.7	130	10

EXISTING MAKEUP AIR UNIT (MAU –)

MUA FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	BLOWER	TAG	CFM	ESP.	RPM	H.P.	ø	VOLT	FLA	COOLING COIL ENTERING DB TEMP.	COOLING COIL ENTERING WB TEMP.	COOLING COIL LEAVING DB TEMP.	COOLING COIL LEAVING WB TEMP.	COOLING COIL TOTAL CAPACITY	COOLING COIL SENSIBLE CAPACITY	COOLING COIL LATENT CAPACITY	WEIGHT (LBS.)	SONES
EX	SF-12-ACGH	15"	HOOD 1+2	2800	0.550	738	2.000	3	208	6.2	94.0°F	79.0°F	76.0°F	72.0°F	82.9 MBH	54.5 MBH	28.4 MBH	1312	19

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SCHEDULES

M-201

OUTSIDE AIR CALCULATION

BASED ON 2021 IMC Table 403.3.1.1				
Vbz= (Rp x Pz) + (Ra x Az)				
ZONE OR UNIT NO:	KITCHEN/FOOD PREP AREA		Total CFM	202
KITCHENS (COOKING)			420	SQ.FT.
OCC DENSITY =	20	PEOPLE / 1000 SQ.FT.		
420 X 20 / 1000 = 5 PEOPLE				
RP	PZ	RA	AZ	
7.5	5	0.12	420	SQ.FT
		Vbz = (7.5 X 5) + (0.12 X 420) =	88	CFM
		AIR DISTRIB.EFF.(Ez) =	0.8	
		Total OA Required = Voz = Vbz / Ez =	110	CFM
OFFICE SPACES			623	SQ.FT.
OCC DENSITY =	5	PEOPLE / 1000 SQ.FT.		
623 X 5 / 1000 = 7 PEOPLE				
RP	PZ	RA	AZ	
5	7	0.06	623	SQ.FT
		Vbz = (5 X 7) + (0.06 X 623) =	73	CFM
		AIR DISTRIB.EFF.(Ez) =	0.8	
		Total OA Required = Voz = Vbz / Ez =	92	CFM
ZONE OR UNIT NO:	DINING AREA		Total CFM	1248
DINING ROOMS			1502	SQ.FT.
OCC DENSITY =	70	PEOPLE / 1000 SQ.FT.		
1502 X 70 / 1000 = 95 PEOPLE				
RP	PZ	RA	AZ	
7.5	95	0.18	1502	SQ.FT
		Vbz = (7.5 X 95) + (0.18 X 1502) =	983	CFM
		AIR DISTRIB.EFF.(Ez) =	0.8	
		Total OA Required = Voz = Vbz / Ez =	1229	CFM
MAIN ENTRY LOBBIES			80	SQ.FT.
OCC DENSITY =	10	PEOPLE / 1000 SQ.FT.		
80 X 10 / 1000 = 2 PEOPLE				
RP	PZ	RA	AZ	
5	2	0.06	80	SQ.FT
		Vbz = (5 X 2) + (0.06 X 80) =	15	CFM
		AIR DISTRIB.EFF.(Ez) =	0.8	
		Total OA Required = Voz = Vbz / Ez =	19	CFM

OSA REQUIRED (BREATHING ZONE): 1450 CFM
OSA PROVIDE THROUGH UNITS (E.RTU-1,2,3,4): 1740 CFM

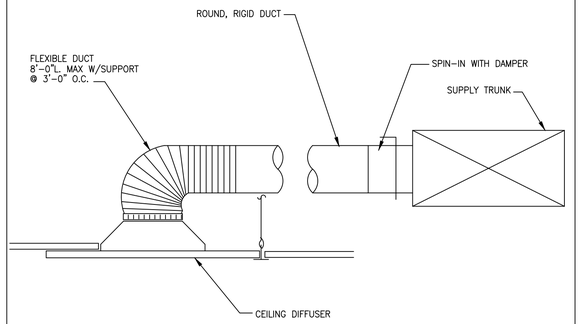
EXHAUST PROVIDED: 3850 CFM

EXHAUST AIRFLOW REQUIREMENTS ARE HIGHER THAN BREATHING VENTILATION REQUIREMENTS.

OSA PROVIDED (TROUGH MUA & E.RTU-1,2,3,4 UNIT):

E.RTU-1: 670 CFM
E.RTU-2: 670 CFM
E.RTU-3: 200 CFM
E.RTU-4: 200 CFM

MAU-1: 2800 CFM
TOTAL: 4540 CFM



1 **FLEX DUCT TAKE-OFF** N.T.S.

LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
PROFESSIONAL ENGINEER
08-16-25

MACK ENGINEERS
REG. NO. F-15042

BIG STAR LAND LLC.

SLIM CHICKENS-ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
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PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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DETAILS & CALCULATIONS

M-202

ENGINEERS
MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

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ELECTRICAL SYMBOLS & ABBREVIATIONS

[SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT]

GENERAL

SYMBOL	DESCRIPTION
	MOTOR, HP AS INDICATED
J	DISCONNECT SWITCH
	MOTOR CONTROLLER
J	COMBINATION MOTOR CONTROLLER/DISCONNECT UNIT
VFD	VARIABLE FREQUENCY DRIVE
C	CONTACTOR
IC	INTERCOM J BOX WALL MOUNTED AT HEIGHT INDICATED ON DRAWINGS
J	JUNCTION BOX, CEILING MOUNTED
J	JUNCTION BOX, WALL MOUNTED
PC	PHOTOCELL
M C	MICROPHONE OUTLET, C – CEILING MOUNTED
S	SPEAKER, CEILING MOUNTED
S	SPEAKER, WALL MOUNTED
S V	SPEAKER WITH WALL MOUNTED VOLUME CONTROL
TC	TIME CLOCK
VC	VOLUME CONTROL
	BELL
	BUZZER
	PUSHBUTTON
	CEILING MOUNTED CLOCK
D.F.	WALL MOUNTED CLOCK – SINGLE OR D.F.=DOUBLE FACE
	PROGRAM HORN, WEATHERPROOF
	TRANSFORMER
ATS	AUTOMATIC TRANSFER SWITCH
	EQUIPMENT CONNECTION, HARD WIRED
D	DURESS ALARM BUTTON
CR	CARD READER
DR	DOOR RELEASE
MD	MOTION DETECTOR (SECURITY SYSTEM)
MS	MOTION SENSOR (LIGHTING CONTROL SYSTEM)
CAM	FIXED VIEW CAMERA
PTZ	PAN, TILT, ZOOM CAPABLE CAMERA.

LIGHTING

	INCANDESCENT OR HID FIXTURE, CEILING MOUNTED
	HID FIXTURE EQUIPED WITH QUARTZ RESTRIKE
	INCANDESCENT OR HID FIXTURE, WALL MOUNTED
	INCANDESCENT OR HID WALL WASH FIXTURE, CEILING MOUNTED CLEAR SIDE INDICATES DIRECTION OF WASH
a	FLUORESCENT FIXTURE, CEILING OR WALL MOUNTED, SUBSCRIPT INDICATES ASSOCIATED SWITCHING
	FIXTURE CONNECTED TO EMERGENCY SYSTEM
	FIXTURE WITH ONE BALLAST CONNECTED TO EMERGENCY SYSTEM OR TO BATTERY BACK UP
	FLUORESCENT PENDANT FIXTURES.
	EXIT LIGHT, SINGLE/DOUBLE FACE CEILING MOUNTED WITH ARROWS AS INDICATED IN DRAWINGS
	EXIT LIGHT, WALL MOUNTED , SINGLE/DOUBLE FACE WITH ARROWS AS INDICATED IN DRAWINGS
	EMERGENCY LIGHT, BATTERY TYPE WITH CHARGER
A	SYMBOL IDENTIFYING FIXTURE TYPE. ALL FIXTURES THIS ROOM ARE FIXTURE TYPE INDICATED UNLESS INDIVIDUALLY MARKED
	POLE MOUNTED LUMINAIRE, QUANTITY AS INDICATED
	EXTERIOR FLOOD LIGHT
	TRACK LIGHT – TYPE, LENGTH AND QUANTITY OF FIXTURES AS SCHEDULED.
OS OS	OCCUPANCY SENSOR – WALL AND CEILING MOUNT RESPECTIVELY

PANELS AND RELATED ITEMS

	PANELBOARD, 120/208 VOLT
	PANELBOARD, POWER OR 277/480V
SWBD	SWITCHBOARD OR DISTRIBUTION BOARD
MCC	MOTOR CONTROL CENTER
PB	PULL BOX

RACEWAYS

SYMBOL	DESCRIPTION
TB	PLYWOOD TELEPHONE BACKBOARD
	CONDUIT CONCEALED IN WALL OR CEILING WITH ONE PHASE, NEUTRAL AND GROUND CONDUCTOR U.N.O.
	CONDUIT UNDER FLOOR OR CAST IN STRUCTURE WITH ONE PHASE, NEUTRAL AND GROUND CONDUCTOR U.N.O.
	CONDUIT EXPOSED WITH ONE PHASE, NEUTRAL AND GROUND CONDUCTOR U.N.O.
	SWITCH LEG
PANEL–2,4,6	BRANCH CIRCUIT HOMERUN, WITH PANEL AND BREAKER POSITION INDICATED.
	MULTI–OUTLET ASSEMBLY
T	TELEPHONE
	BUS DUCT WITH TAKE OFF DEVICE
P/D ●	POWER/DATA POWER POLE.

OUTLET DEVICES

L	SIMPLEX TWIST–LOCK RECEPTACLE NEMA L5–20
	SIMPLEX RECEPTACLE – 20A, 120V 3W NEMA 5–20
WP	DUPLEX RECEPTACLE – 20A, 120V 3W NEMA 5–20 U.N.O. WP = WEATHERPROOF NEMA 3R WHILE IN USE AC = ABOVE COUNTER, BC = BELOW COUNTER, T = TAMPER PROOF
48"A.F.F.	DUPLEX RECEPTACLE – 20A, 120V 3W NEMA 5–20 INSTALLED AT 48" AFF OR 4" ABOVE COUNTER TOP
	DUPLEX RECEPTACLE WITH 2–2.1A @5V USB PORTS, NEMA 5–20
	QUADRAPLEX RECEPTACLE WITH 2–2.1A @5V USB PORTS, NEMA 5–20
GFCI	G.F.I. DUPLEX RECEPTACLE – 20A, 120V 3W NEMA 5–20
	QUADRAPLEX RECEPTACLE – 20A, 120V 3W NEMA 5–20
AC	QUADRAPLEX RECEPTACLE – 20A, 120V 3W NEMA 5–20 INSTALLED AT 48" AFF OR 4" ABOVE COUNTER TOP
R	OVERHEAD ELECTRIC CORD REEL
X	FLOOR OUTLET DEVICE. SUBSCRIPT INDICATES TYPE. SEE SCHEDULES AND SPECIFICATIONS.
X	SPECIAL PURPOSE OUTLET. SUBSCRIPT INDICATES TYPE. SEE SCHEDULES AND SPECIFICATIONS.
	TELEPHONE OUTLET 15" AFF (SUBSCRIPT W=WALL PHONE AT 54" AFF)
	INFORMATION SYSTEM (DATA) OULET. SEE SPECIFICATIONS
	COMBINATION TELEPHONE AND DATA OUTLET – 15" AFF U.N.O.
T	TELEVISION OUTLET – 15" AFF U.N.O.
	WALL MOUNTED INTERCOM SPEAKER VOLUME CONTROL

SWITCH DEVICES

S	SINGLE POLE SWITCH
S(2) (3) (4)	SWITCH – DOUBLE POLE, 3–WAY OR 4 WAY
S(K) (P) (WP)	KEY OPERATED SWITCH
S_P	SWITCH WITH PILOT LIGHT IN HANDLE (ON LIGHTED UNLESS OTHERWISE NOTED)
S_{WP}	WEATHERPROOF SWITCH
S_M	MANUAL MOTOR STARTER (T=THERMAL OVERLOAD SIZED FOR MOTOR)
$S_{D(\ )}$	INCANDESCENT DIMMER SWITCH WATTAGE RATING AS SHOWN IN ( ) 6=600, 1=1000, 5=1500, 2–2000
$S_{F(\ )}$	FLUORESCENT DIMMER SWITCH, NUMBER OF LAMPS AS SHOWN IN ( )
S_{OS}	OCCUPANCY SENSOR SWITCH
S_{DOS}	DUAL CIRCUIT OCCUPANCY SENSOR SWITCH
S_{PIR}	PASSIVE INFRARED OCCUPANCY SWITCH
S_T	TIMER SWITCH
S_{OR}	LOW VOLTAGE OVERRIDE SWITCH
S_C	SPEAKER CALL BACK SWITCH

FIRE ALARM

FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
RCC	REMOTE COMMAND CENTER
F	MANUAL PULL STATION 48" AFF
SD	SMOKE DETECTOR
SD D	SMOKE DETECTOR, DUCT MOUNTED
TA	TEST SWITCH/REMOTE INDICATOR
PS	FIRE SPRINKLER PRESSURE SWITCH

FIRE ALARM (CON'T)

H	HEAT DETECTOR
FS	FLOW SWITCH
TS	TAMPER SWITCH
	FIRE ALARM HORN AND LIGHT
	FIRE ALARM MINI–HORN AND LIGHT
F	FIRE ALARM HORN, WEATHERPROOF
L	FIRE ALARM, VISUAL ONLY
DH	MAGNETIC DOOR HOLDER
R	RELAY
PJ	FIRE FIGHTERS PHONE JACK
FF	FIRE FIGHTERS TELEPHONE
DC	DOOR CONTACT
ML	MAGNETIC LOCK

ABBREVIATION DESCRIPTION

A	AMPERE(S)
ABV	ABOVE
AC	ABOVE COUNTER
A/C	AIR CONDITIONING
AIC	AMPERE INTERRUPTING CAPACITY
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
B.F.	BELOW FLOOR
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSE CIRCUIT TELEVISION
CKT	CIRCUIT
COND	CONDUCTOR
CPU	CENTRAL PROCESSING UNIT
DIA	DIAMETER
DIST	DISTRIBUTION
DN	DOWN
DWGS	DRAWINGS
EC	EMPTY CONDUIT
EDF	ELECTRIC DRINKING FOUNTAIN
EF	EXHAUST FAN
EMT	ELEC. METALLIC TUBING
EQMT	EQUIPMENT
EWC	ELECTRIC WATER COOLER
ELEC	ELECTRICAL
EXH	EXHAUST
EXP	EXPLOSION PROOF
EXIST	EXISTING
F/A	FIRE ALARM
FC	FOOTCANDLES
FCU	FAN COIL UNIT
FLEX	FLEXIBLE METAL CONDUIT
FLUOR	FLUORESCENT
FN	FULL NEUTRAL
FT	FEET, FOOT
F.F.	FINISHED FLOOR
GALV	GALVANIZED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HOA	HAND OFF AUTOMATIC
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HZ	HERTZ
IC	INTERCOM
ID	INSIDE DIAMETER

ABBREVIATION DESCRIPTION

IMC	INTERMEDIATE STEEL CONDUIT
IN	INCHES
INC	INCANDESCENT
IG	ISOLATED GROUND
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAC	KILOVOLT AMPERE CAPACITIVE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LB	POUND
LPS	LOW PRESSURE SODIUM
M	MANHOLE
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, & PLUMBING
MH	MOUNTING HEIGHT
MIN	MINIMUM
MLO	MAIN LUGS ONLY
M.S.	MOTOR STARTER
MTG	MOUNTING
MV	MERCURY VAPOR
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NF	NON FUSED
NL	NIGHT LIGHT (CONNECTED TO UNSWITCHED CIRCUIT)
NO	NORMALLY OPEN
N.T.S.	NOT–TO–SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OH	OVERHEAD
P	POLE
PA	PUBLIC ADDRESS
PB	PUSHBUTTON
PBX	PRIVATE BUILDING EXCHANGE
PC	PULL CHAIN
PEC	PHOTO CELL
PNL	PANELBOARD
PSI	POUNDS PER SQUARE INCH
PVC	POLY VINYL CHLORIDE CONDUIT
PWR	POWER
RGS	RIGID GALVANIZED STEEL CONDUIT
RMC	RIGID METAL CONDUIT
SC	SPLIT CIRCUIT
SN	SOLID NEUTRAL
S.J.B.	SOUND JUNCTION BOX
SPEC.	SPECIFICATION
SQFT, ☐	SQUARE FOOT
SW	SWITCH
SWBD	SWITCHBOARD
TC	TIME CLOCK
TELE	TELEPHONE
TSTAT	THERMOSTAT
TV	TELEVISION
TYP.	TYPICAL
U.G.	UNDERGROUND
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT(S)
VP	VAPOR PROOF
W	WIRE
W/	WITH
WP	WEATHERPROOF
XFMR	TRANSFORMER
XPD	TRANSPONDER
Z	IMPEDANCE
Ø	PHASE
1P	ONE POLE
2P	TWO POLE
3P	THREE POLE

GENERAL NOTES

A. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND REVIEW ALL RELATED DRAWINGS AND SPECIFICATIONS PRIOR TO BID.

B. THE DRAWINGS ARE DIAGRAMMATICAL. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND DETERMINE CONDUIT ROUTING AND EXACT LOCATIONS OF EQUIPMENT AND DEVICES. NOTIFY THE ARCHITECT/ENGINEER IF THE APPROXIMATE CONDUIT ROUTING SHOWN ON PLANS IS NOT FEASIBLE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH–IN.

C. LOCATIONS OF DEVICES ARE DIAGRAMMATICAL. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH–IN.

D. PROVIDE LISTED FIRE–STOP CAULKING TO MAINTAIN INTEGRITY OF RATED WALLS AT ALL RACEWAY AND CABLE TRAY PENETRATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED WALLS.

E. REFERENCE EQUIPMENT CONNECTION SCHEDULE FOR REQUIREMENTS AND ADDITIONAL INFORMATION OF TAGGED EQUIPMENT SHOWN ON PLAN.

F. LOCATIONS OF MECHANICAL EQUIPMENT TO BE COORDINATED WITH MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITY.

G. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL CODES. ALL WORK SHALL MATCH THE EXISTING BUILDING'S ELECTRICAL INSTALLATION. ALL SYSTEMS SHALL BE INSTALLED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS APPROVED BY ALL AUTHORITIES HAVING JURISDICTION.

H. ALL NEW DUPLEX RECEPTACLES TO BE MOUNTED HORIZONTAL AT 18" AFF TO BOTTOM OF BOX UNLESS NOTED OTHERWISE, AND IN FULL COMPLIANCE WITH A.D.A.

I. PROVIDE A TYPED PANEL DIRECTORY FOR EACH NEW OR MODIFIED ELECTRICAL PANEL. DIRECTORY SHALL IDENTIFY THE CIRCUIT NUMBER, DEVICES SERVED, AND LOCATION OF DEVICES BY ROOM NUMBER. FILE COPY OF DIRECTORIES WITH THE OWNER'S REPRESENTATIVE WHEN WORK IS COMPLETED, AND PROVIDE COPIES WITH THE OWNER'S MANUALS.

J. ALL FUSES/CIRCUIT BREAKERS IN PANELS, DISCONNECT SWITCHES, MOTOR STARTERS, ETC, SERVING MOTORS AND EQUIPMENT SHALL BE SIZED AS RECOMMENDED BY THE MANUFACTURER OF THE PARTICULAR LOAD DEVICE SERVED. COORDINATE WITH OTHER TRADES AS REQUIRED.

K. INDICATED SPARE AND/OR SPACES IN ALL EQUIPMENT ON THE ELECTRICAL ONE–LINE DIAGRAM AND IN THE PANEL SCHEDULES ARE THE MINIMUM NUMBER REQUIRED FOR THIS PROJECT.

L. FOR ISOLATED GROUND RECEPTACLES, PROVIDE TWO GROUND CONDUCTORS, ONE FOR THE RECEPTACLE AND ONE FOR THE OUTLET BOX.

M. ALL CONNECTIONS TO MOTORS, OR OTHER DEVICES SUBJECT TO VIBRATION SHALL BE MADE USING A MINIMUM OF 12" LENGTH OF LIQUID TIGHT FLEXIBLE METALLIC CONDUIT. PROVIDE CONTINUOUS SEPARATE GROUND WIRE THROUGH ALL FLEXIBLE METALLIC CONDUIT CONNECTIONS.

N. PROVIDE UL, CLASS A GROUND FAULT INTERRUPTER CIRCUIT PROTECTIVE DEVICES ON ALL CONSTRUCTION RECEPTACLE CIRCUITS, OUTSIDE RECEPTACLE CIRCUITS, BATH OR TOILET ROOM RECEPTACLE CIRCUITS AND ON ALL OTHER CIRCUITS REQUIRED OR RECOMMENDED IN THE NATIONAL ELECTRIC CODE.

O. ALL NEW RECEPTACLES, LIGHT SWITCHES, AND FACEPLATES CONNECTED TO THE EMERGENCY SYSTEM TO BE RED IN COLOR.

PRICING NOTES

A. THE ENTIRE SCOPE OF THE CONTRACTORS WORK IS SHOWN THROUGHOUT THE ENTIRE SET OF DOCUMENTS. IT SHALL BE EACH CONTRACTOR'S RESPONSIBILITY TO THOROUGHLY REVIEW THE ENTIRE SET OF DOCUMENTS INCLUDING, BUT NOT LIMITED TO, THE ENTIRE MECHANICAL, ELECTRICAL, PLUMBING, ARCHITECTURAL, STRUCTURAL, CIVIL, COMMUNICATIONS, AUDIO/VISUAL AND FIRE ALARM DOCUMENTS AND INCLUDE ALL SCOPE IN THE CONTRACTOR'S RESPONSIBILITY EVEN IF IT IS NOT SHOWN DIRECTLY IN THEIR RESPECTIVE TRADES' DOCUMENTS.

B. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL PARTS AND ITEMS NECESSARY FOR A COMPLETE WORKING SYSTEM. ADDITIONALLY, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL COMPONENTS NECESSARY TO ACHIEVE FULLY FUNCTIONING SYSTEMS.

ELECTRICAL SHEET INDEX

E–000	SPECIFICATIONS, SYMBOLS, AND SHEET INDEX
E–001	ELECTRICAL SPECIFICATIONS
E–002	ELECTRICAL SPECIFICATIONS
E–101	DEMOLITION POWER & SPECIAL SYSTEMS PLAN
E–101.1	PROPOSED POWER & SPECIAL SYSTEMS PLAN
E–101.2	ENLARGED KITCHEN PLAN
E–102	DEMOLITION LIGHTING PLAN
E–102.1	PROPOSED LIGHTING PLAN
E–201	ELECTRICAL ONE–LINE DIAGRAM
E–202	ELECTRICAL SCHEDULES
E–301	ELECTRICAL DETAILS

ENGINEERS

MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
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LIQUE DESIGN STUDIO

WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

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ELECTRICAL SYMBOLS, ABBREVIATIONS & GENERAL NOTES

E-000

DIVISION 26 & 28 - ELECTRICAL SPECIFICATIONS

SECTION 260510 – BASIC REQUIREMENTS FOR ELECTRICAL

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. Drawings and Specifications

1. Division 26 specifications are written in imperative and streamlined format. This imperative language is directed to the Contractor. The word "shall be" shall be included by inference where a colon (:) is used within sentences and phrases.

C. Codes and Standards

1. Work shall comply with the local city codes and ordinances, the regulations of state authorities having lawful jurisdiction and the codes, statues and reference standards identified within these Specifications. These Specifications shall not be construed as negating the regulations or requirements of lawful jurisdictions.

2. Where Specifications require materials or equipment exceeding the minimum requirements of applicable codes and ordinances, the requirements of these Specifications shall take precedence.

1.2 DEFINITIONS & ABBREVIATIONS

Retain abbreviations and definitions that remain after this Section has been edited.

A. DEFINITIONS

1. Contract Documents – Drawings and the project manual, including Specifications.
2. Install: to set in place in position for service.
3. Furnish: to supply.
4. Provide: to install and furnish.
5. City – When used in an otherwise non-specific reference anywhere in the Contract documents, City is defined to refer to the local municipal authority governing the project address or the City whose ETJ includes the project address.

B. Utilities: The Contract Documents reflect the general location and routing of utilities required for this project. Visit the site, and coordinate and confirm the exact requirements for electrical and telephone services.

1. Interruption of Existing Electric Service: Do not interrupt electric service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary electric service according to requirements indicated:
   a. Notify the Owner's representative no fewer than fourteen 14 days in advance of proposed interruption of electric service.
   b. Indicate method of providing temporary electric service.
   c. Do not proceed with interruption of electric service without the Owner's representative's written permission.

2. Temporary Services:
   a. Provide temporary electrical service and electric power distribution and temporary lighting throughout the construction site. Install and maintain in accordance with National Electrical Code and OSHA requirements. Make arrangements with the serving utility for point of service for temporary electric service and pay costs for delivery to and use at the site.
   b. Existing electrical distributions systems at the site may be utilized for temporary construction power. Submit to the Owner in writing, documents identifying the locations and anticipated maximum demand at which power will be utilized, and obtain the Owner's approval, in writing, prior to connection and utilization.

1.3 Submittal Requirements

A. Provide all electrical submittals at the same time. Submittals are required for new electrical distribution equipment and lighting. Submittal requirements are waived for other sections if specified materials are used.

B. Submittals shall be provided in binders and arranged in sequence by Specification section number. Provide submittals only for specification sections that list this requirement.

C. Submittals may be provided in PDF form.

PART 2 – PRODUCTS

2.1 GENERAL MATERIALS AND EQUIPMENT REQUIREMENTS

A. Materials and equipment shall conform to National Electrical Code requirements and shall be listed by Underwriters Laboratories, Inc. (UL). UL listing will be accepted as evidence that the material or equipment conform to the standards of that agency. In lieu of this listing, submit a statement from a nationally recognized testing agency, indicating that products have been tested in accordance with UL criteria and that the materials and equipment comply with Contract requirements.

PART 3 – EXECUTION

3.1 COMMON REQUIREMENTS FOR ELECTRICAL INSTALLATION

A. Coordinate location of access panels and doors for electrical items that are behind finished surfaces or otherwise concealed. Coordinate location of access panels and doors with Architect prior to the associated equipment rough-in.

B. Apply firestopping to penetrations of fire-rated floor and wall assemblies for electrical installations to restore original fire-resistance rating of assembly.

3.2 VIBRATION ISOLATION

A. Provide vibration isolation means for equipment and materials to prevent the transmission of perceptible vibration, structure borne or air borne noise. Items requiring vibration isolation include:

1. Switchgear, motor control centers, motor starter panelboards, motors, transformers and rotating and reciprocating equipment shall be mounted on cork, rubber or steel spring isolator units properly sized, spaced and loaded as recommended by manufacturer.
2. Electrical Conduit: Isolate from dry type transformers, rotating and reciprocating machinery using flexible conduit, 18" minimum length or 12" of flexible conduit per 1" of conduit diameter with maximum of 36".

SECTION 260519 – LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

3.3 CONDUCTOR MATERIAL APPLICATIONS

A. Feeders: Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.

B. Branch Circuits: Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.

3.4 CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS

A. Service Entrance: Type THHN-THWN, single conductors in raceway or Type XHHW, single conductors in raceway.

B. All other applications: Type THHN-THWN, single conductors in raceway.

3.5 INSTALLATION OF CONDUCTORS AND CABLES

A. Conceal cables in finished walls, ceilings, and floors, unless otherwise indicated.

B. Install exposed cables parallel and perpendicular to surfaces of exposed structural members, and follow surface contours where possible.

C. Provide support for conductors in vertical raceways in accordance with NEC 300.19. Refer to Table 300.19(A) for support spacing distance requirements of specific cable sizes.

3.6 CONNECTIONS

A. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A and UL 486B.

B. Make splices and taps that are compatible with conductor material and that possess equivalent or better mechanical strength and insulation ratings.

C. Wiring at Outlets: Install conductor at each outlet, with at least 12 inches of slack.

3.7 SLEEVE AND SLEEVE-SEAL INSTALLATION FOR ELECTRICAL PENETRATIONS

A. Install sleeves and sleeve seals at penetrations of exterior floor and wall assemblies. Comply with requirements in Section 260544 "Sleeves and Sleeve Seals for Electrical Raceways and Cabling."

3.8 FIRESTOPPING

A. Apply firestopping to electrical penetrations of fire-rated floor and wall assemblies to restore original fire-resistance rating.

SECTION 260526

GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

3.9 CONDUCTORS

A. Insulated Conductors: Copper or tinned-copper wire or cable insulated for 600 V unless otherwise required by applicable Code or authorities having jurisdiction.

3.10 CONNECTORS

A. Bolted Connectors for Conductors and Pipes: Copper or copper alloy, pressure type with at least two bolts.

B. Bus-bar Connectors: Mechanical type, cast silicon bronze, solderless, compression type wire terminals, and long-barrel, two-bolt connection to ground bus bar.

3.11 GROUNDING ELECTRODES

A. Ground Rods: Copper-clad steel 3/4 inch by 10 feet (19 mm by 3 m) in diameter.

PART 4 – EXECUTION

4.1 EQUIPMENT GROUNDING

A. Install insulated equipment grounding conductors with all feeders and branch circuits.

SECTION 260529 – HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

PART 5 – GENERAL

A. This Section includes hangers and supports for electrical equipment and systems and construction requirements for concrete bases.

5.2 PERFORMANCE REQUIREMENTS

A. Design supports for multiple raceways capable of supporting combined weight of supported systems and its contents.

B. Design equipment supports capable of supporting combined operating weight of supported equipment and connected systems and components.

5.3 COORDINATION

A. Coordinate size and location of concrete bases. Cast anchor-bolt inserts into bases.

B. Coordinate installation of roof curbs, equipment supports, and roof penetrations.

PART 6 – PRODUCTS

6.1 SUPPORT, ANCHORAGE, AND ATTACHMENT COMPONENTS

A. Steel Slotted Support Systems:

1. For exterior applications, provide hot-dipped galvanized supports and hardware. Stainless steel may be used in lieu of Hot dipped galvanized.
2. For interior applications, provide electro-galvanized supports and hardware.
3. Channel Dimensions: Selected for applicable load criteria.

B. Conduit and Cable Support Devices: Steel and malleable-iron hangers, clamps, and associated fittings, designed for types and sizes of raceway or cable to be supported.

C. Support for Conductors in Vertical Conduit: Factory-fabricated assembly consisting of threaded body and insulating wedging plug or plugs for non-armored electrical conductors or cables in riser conduits. Plugs shall have number, size, and shape of conductor gripping pieces as required to suit individual conductors or cables supported. Body shall be malleable iron.

D. Structural Steel for Fabricated Supports and Restraints: ASTM A 36/A 36M, steel plates,

E. Mounting, Anchoring, and Attachment Components: Items for fastening electrical items or their supports to building surfaces include the following:

1. Powder-Actuated Fasteners: Threaded-steel stud, for use in hardened portland cement concrete, steel, or wood, with tension, shear, and pullout capacities appropriate for supported loads and building materials where used.
2. Mechanical-Expansion Anchors: Insert-wedge-type, zinc-coated or stainless steel, for use in hardened portland cement concrete with tension, shear, and pullout capacities appropriate for supported loads and building materials in which used.
3. Concrete Inserts: Steel or malleable-iron, slotted support system units.
4. Clamps for Attachment to Steel Structural Elements.
5. Through Bolts: Structural type, hex head, and high strength.
6. Toggle Bolts: All-steel, springhead type.
7. Hanger Rods: Threaded steel.

PART 7 – EXECUTION

7.1 APPLICATION

A. Maximum Support Spacing and Minimum Hanger Rod Size for Raceway: Space supports for EMT, IMC, and RMC as required by NFPA 70. Minimum rod size shall be 1/4 inch in diameter.

B. Multiple Raceways or Cables: Install trapeze-type supports fabricated with steel slotted or other support system, sized so capacity can be increased by at least 25 percent in future without exceeding specified design load limits.

7.2 INSTALLATION OF FABRICATED METAL SUPPORTS

A. Cut, fit, and place miscellaneous metal supports accurately in location, alignment, and elevation to support and anchor electrical materials and equipment.

7.3 CONCRETE BASES

A. Construct concrete bases of dimensions indicated but not less than 4 inches larger in both directions than supported unit.

B. Use minimum, 3000-psi, 28-day compressive-strength concrete.

C. Anchor equipment to concrete base.

END OF SECTION 260529

SECTION 260533 – RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

PART 8 – GENERAL

8.1 DEFINITIONS

A. EMT: Electrical Metallic Tubing.

B. GRC, RGS: Galvanized rigid steel conduit.

C. IMC: Intermediate metal conduit.

D. LFMC: Flexible steel conduit with PVC jacket.

8.2 METAL CONDUITS, TUBING, AND FITTINGS

A. Fittings for Metal Conduit: Comply with NEMA FB 1 and UL 514B.

1. Fittings for EMT:
   a. Material: Steel.
   b. Type: Compression.

PART 9 – EXECUTION

9.1 RACEWAY APPLICATION

A. Outdoors: Apply raceway products as specified below unless otherwise indicated:

1. Exposed Conduit: GRC (GRS) or IMC or RNC, Type EPC-80-PVC. RNC conduit is not allowed on or above roofs.
2. Concealed Conduit, Aboveground: EMT.
3. Underground Conduit (Service entrance and feeders): concrete encased RNC, Type EPC-40-PVC or Type EPC-80-PVC, .
4. Underground Conduit (Branch Circuits): Type EPC-80-PVC, direct buried.
5. Connection to Vibrating Equipment (Including Transformers and Hydraulic, Pneumatic, Electric Solenoid, or Motor-Driven Equipment): LFMC.
6. Boxes and Enclosures, Aboveground: NEMA 250, Type 3R.

B. Indoors: Apply raceway products as specified below unless otherwise indicated:

1. Exposed, Not Subject to Physical Damage: EMT
2. Exposed, Not Subject to Severe Physical Damage: EMT.
3. Exposed and Subject to Severe Physical Damage (below 20 feet in elevation): GRC (GRS) or IMC.
4. Concealed in Ceilings and Interior Walls and Partitions: EMT.
5. Connection to Vibrating Equipment (Including Transformers and Hydraulic, Pneumatic, Electric Solenoid, or Motor-Driven Equipment): FMC, except use LFMC in damp or wet locations.
6. Damp or Wet Locations: GRC (GRS) or IMC.
7. Boxes and Enclosures: Type 1, except use Type 3R stainless steel in institutional and commercial kitchens and damp or wet locations.

C. Minimum Raceway Size: 3/4-inch trade size.

D. Raceway Fittings: Compatible with raceways and suitable for use and location.

1. Rigid and Intermediate Steel Conduit: Use threaded rigid steel conduit fittings unless otherwise indicated.
2. EMT: Use compression, steel fittings. Comply with NEMA FB 2.10.
3. Flexible Conduit: Use only fittings listed for use with flexible conduit.

E. Install surface raceways only where indicated on Drawings.

F. Do not install nonmetallic conduit at roof applications or where ambient temperature exceeds 120 deg F.

9.2 INSTALLATION

A. Keep raceways at least 6 inches away from parallel runs of flues and steam or hot-water pipes. Install horizontal raceway runs above water and steam piping.

B. Install no more than the equivalent of three 90-degree bends in any conduit run except for control wiring conduits, for which fewer bends are allowed. Support within 12 inches of changes in direction.

C. Conceal raceways within finished walls, ceilings, and floors unless otherwise indicated.

D. Install above grade conduits parallel or perpendicular to building lines.

E. Support conduit within 12 inches of enclosures to which attached.

F. Use EMT for raceways for stub-ups to above recessed ceilings. Provide insulated conduit bushing terminate stub-ups.

G. Terminate threaded conduits into threaded hubs or with locknuts on inside and outside of boxes or cabinets. Install bushings on conduits up to 1-1/4-inch trade size and insulated throat metal bushings on 1-1/2-inch trade size and larger conduits terminated with locknuts. Install insulated throat, metal grounding bushings on service conduits.

H. Install pull wires in empty raceways. Cap underground raceways designated as spare above grade alongside raceways in use.

SECTION 260553 – IDENTIFICATION FOR ELECTRICAL SYSTEMS

9.3 IDENTIFICATION SCHEDULE

A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor tape to identify the phase.

1. Color-Coding for Phase and Voltage Level Identification, 600 V or Less: Use colors listed below for ungrounded service, feeder, and branch-circuit conductors.
   a. Color shall be factory applied or field applied for sizes larger than No. 8 AWG, if authorities having jurisdiction permit.
   b. Colors for 208/120-V Circuits:
      1) Phase A: Black.
      2) Phase B: Red.
      3) Phase C: Blue.
   c. Colors for 480/277-V Circuits:
      1) Phase A: Purple.
      2) Phase B: Brown.
      3) Phase C: Yellow.
   d. Field-Applied, Color-Coding Conductor Tape: Apply in half-lapped turns for a minimum distance of 6 inches from terminal points and in boxes where splices or taps are made. Locate bands to avoid obscuring factory cable markings.

B. Locations of Underground Lines: Identify with underground-line warning tape for power, lighting, communication, control wiring, and optical fiber cable.

SECTION 262416 – PANELBOARDS

PART 10 – GENERAL

10.1 SUBMITTALS

A. Product Data: For each type of panelboard, switching and overcurrent protective device, transient voltage suppression device, accessory, and component indicated. Include dimensions and manufacturers' technical data on features, performance, electrical characteristics, ratings, and finishes.

B. Shop Drawings: For each panelboard and related equipment.

1. Include dimensioned plans, elevations, sections, and details. Show tabulations of installed devices, equipment features, and ratings.
2. Detail enclosure types and details for types other than NEMA 250, Type 1.
3. Detail bus configuration, current, and voltage ratings.
4. Short-circuit current rating of panelboards and overcurrent protective devices.
5. Detail features, characteristics, ratings, and factory settings of individual overcurrent protective devices and auxiliary components.
6. Include wiring diagrams for power, signal, and control wiring.

10.2 QUALITY ASSURANCE

A. Source Limitations: Obtain panelboards, overcurrent protective devices, components, and accessories from single source from single manufacturer.

B. Product Selection for Restricted Space: Drawings indicate maximum dimensions for panelboards including clearances between panelboards and adjacent surfaces and other items. Comply with indicated maximum dimensions.

10.3 COORDINATION

A. Coordinate layout and installation of panelboards and components with other construction that penetrates walls or is supported by them, including electrical and other types of equipment, raceways, piping, encumbrances to workspace clearance requirements, and adjacent surfaces. Maintain required workspace clearances and required clearances for equipment access doors and panels.

PART 11 – PRODUCTS

11.1 GENERAL REQUIREMENTS FOR PANELBOARDS

A. Enclosures: Refer to drawings and schedules for– cabinet mounting requirements.

1. Provide cabinets rated for environmental conditions at locations indicated on the drawings. If not otherwise noted on the drawings or schedules, refer to the following:
   a. Indoor Dry and Clean Locations: NEMA 250, Type 1.
   b. Outdoor Locations: NEMA 250, Type 3R.
2. Hinged Front Cover: Entire front trim hinged to box and with standard door within hinged trim cover.
3. Finishes:
   a. Panels and Trim: Galvanized steel, factory finished immediately after cleaning and pre-treating with manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat.
   b. Back Boxes: Galvanized steel.

B. Incoming Mains Location: Coordinate a planned route for panelboard feeders prior to submittal. Provide mains at locations required by the panel location and feeder routing.

C. Phase, Neutral, and Ground Busses:

1. Material: Tin-plated aluminum or Hard-drawn copper, 98 percent conductivity.
2. Equipment Ground Bus: Adequate for feeder and branch-circuit equipment grounding conductors; bonded to box.

D. Service Equipment Label: NRTL labeled for use as service equipment for panelboards or load centers with one or more main service disconnecting and overcurrent protective devices.

E. Future Devices: Mounting brackets, bus connections, filler plates, and necessary appurtenances required for future installation of devices.

F. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Eaton Electrical Inc.; Cutler-Hammer Business Unit.
2. General Electric Company; GE Consumer & Industrial – Electrical Distribution.
3. Siemens Energy & Automation, Inc.
4. Square D; a brand of Schneider Electric.

11.2 INSTALLATION

A. Mount top of trim 90 inches above finished floor unless otherwise indicated.

B. Mount panelboard cabinet plumb and rigid without distortion of box. Mount recessed panelboards with fronts uniformly flush with wall finish and mating with back box.

C. Install overcurrent protective devices and controllers not already factory installed.

1. Set field-adjustable, circuit-breaker trip ranges.

D. Install filler plates in unused spaces.

E. Stub four, 1-inch empty conduits from panelboard into accessible ceiling space.

F. Arrange conductors in gutters into groups and bundle and wrap with wire ties.

11.3 IDENTIFICATION

A. Create a directory to indicate installed circuit loads after balancing panelboard loads; incorporate Owner's final room designations.

B. Panelboard Nameplates: Label each panelboard with an engraved, phenolic nameplate.

C. Device Nameplates: Label each branch circuit device in distribution panelboards with an engraved, phenolic nameplate.

SECTION 262726 – WIRING DEVICES

PART 12 – GENERAL

1.1 12.1 GENERAL REQUIREMENTS

A. A. Coordination:

1. Receptacles for Owner-Furnished Equipment: Match plug configurations.
2. Cord and Plug Sets: Match equipment requirements.

PART 13 – PRODUCTS

13.1 MANUFACTURERS

A. Manufacturers' Names: Shortened versions (shown in parentheses) of the following manufacturers' names are used in other Part 2 articles:

1. Cooper Wiring Devices; Division of Cooper Industries, Inc. (Cooper).
2. Hubbell Incorporated; Wiring Device-Kellems (Hubbell).
3. Leviton Mfg. Company Inc. (Leviton).
4. Pass & Seymour/Legrand (Pass & Seymour).

B. Source Limitations: Obtain each type of wiring device and associated wall plate from single source manufacturer.

13.2 DECORATOR-STYLE DEVICES

A. Convenience Receptacles: Square face, 125 V, 15 A; comply with NEMA WD 1, NEMA WD 6 Configuration 5-15R, and UL 498.

1. Products: Subject to compliance with requirements, provide one of the following:
   a. Cooper; 6252.
   b. Hubbell; DR15.
   c. Leviton; 16252.
   d. Pass & Seymour; 26252.

B. Tamper-Resistant Convenience Receptacles: Square face, 125 V, 15 A; comply with NEMA WD 1, NEMA WD 6 Configuration 5-15R, and UL 498.

NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.

LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
PROFESSIONAL ENGINEER
08-16-25

MACK ENGINEERS
REG. NO. F-15042

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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ELECTRICAL SPECIFICATIONS

E-001

MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

1. Products: Subject to compliance with requirements, provide one of the following:
   a. Cooper; TR6252.
   b. Hubbell; DR15TR.
   c. Pass & Seymour; TR26252.
2. Description: Labeled to comply with NFPA 70, "Receptacles, Cord Connectors, and Attachment Plugs (Caps)" Article, "Tamper-Resistant Receptacles in Dwelling Units" Section.

C. Tamper-Resistant and Weather-Resistant Convenience Receptacles: Square face, 125 V, 15 A; comply with NEMA WD 1, NEMA WD 6 Configuration 5-15R, and UL 498.
1. Products: Subject to compliance with requirements, provide one of the following:
   a. Cooper; TWRBR15.
   b. Hubbell; DR15TR.
   c. LevitonTRW15.
   d. Pass & Seymour; TRW26252.
2. Description: Labeled to comply with NFPA 70, "Receptacles, Cord Connectors, and Attachment Plugs (Caps)" Article, "Tamper-Resistant Receptacles in Dwelling Units" Section, when installed in wet and damp locations.

D. GFCI, Feed -Through Type, Convenience Receptacles: Square face, 125 V, 15 A; comply with NEMA WD 1, NEMA WD 6 Configuration 5-15R, UL 498, and UL 943 Class A.
1. Products: Subject to compliance with requirements, provide one of the following:
   a. Cooper; VGF15.
   b. Hubbell; GF15LA.
   c. Leviton; 8599.
   d. Pass & Seymour; 1594.

E. Toggle Switches, Square Face, 120/277 V, 15 A: Comply with NEMA WD 1, UL 20, and FS W-S-896.
1. Products: Subject to compliance with requirements, provide one of the following:
   a. Cooper; 7621 (single pole), 7623 (three way).
   b. Hubbell; DS115 (single pole), DS315 (three way).
   c. Leviton; 5621-2 (single pole), 5623-2 (three way).
   d. Pass & Seymour; 2621 (single pole), 2623 (three way).

13.3 WALL PLATES

A. Single and combination types shall match corresponding wiring devices.
1. Plate-Securing Screws: Metal with head color to match plate finish.
2. Material for Finished Spaces: 0.035-inch- thick, satin-finished, Type 302 stainless steel.
3. Material for Unfinished Spaces: Smooth, high-impact thermoplastic.
4. Material for Damp Locations: Cast aluminum with spring-loaded lift cover, and listed and labeled for use in wet and damp locations.

B. Wet-Location, Weatherproof Cover Plates: NEMA 250, complying with Type 3R, weather-resistant, die-cast aluminum with lockable cover.

13.4 FINISHES

A. Device Color:
1. Wiring Devices Connected to Normal Power System: As selected by Architect unless otherwise indicated or required by NFPA 70 or device listing.
2. Wiring Devices Connected to Emergency Power System: Red .

B. Wall Plate Color: For plastic covers, match device color.

PART 14 - EXECUTION

14.1 INSTALLATION

A. Receptacle Orientation:
1. Install ground pin of vertically mounted receptacles up , and on horizontally mounted receptacles to the right .

B. Device Plates: Do not use oversized or extra-deep plates. Repair wall finishes and remount outlet boxes when standard device plates do not fit flush or do not cover rough wall opening.

END OF SECTION 262726

SECTION 262813 - FUSES

PART 15 - PRODUCTS

15.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide one of the following:
1. Cooper Bussmann, Inc.
2. Edison Fuse, Inc.
3. Ferraz Shawmut, Inc.
4. Littelfuse, Inc.

15.2 FUSE APPLICATIONS

A. Cartridge Fuses:
1. Service Entrance: Class RK1, time delay
2. Feeders: Class RK5, time delay
3. Motor Branch Circuits: Class RK5, time delay.

SECTION 262816 - ENCLOSED SWITCHES

PART 16 - PRODUCTS

16.1 FUSIBLE AND NON-FUSIBLE SWITCHES

A. Manufacturers: Subject to compliance with requirements, provide one of the following::
1. Eaton Electrical Inc.; Cutler-Hammer Business Unit.
2. General Electric Company; GE Consumer & Industrial - Electrical Distribution.
3. Siemens Energy & Automation, Inc.
4. Square D; a brand of Schneider Electric.

B. Type HD, Heavy Duty, Single Throw, 240 or 600-V ac, 1200 A and Smaller: UL 98 and NEMA KS 1, horsepower rated, with clips or bolt pads to accommodate indicated fuses where noted, lockable handle with capability to accept three padlocks, and interlocked with cover in closed position.

C. Accessories:
1. Equipment Ground Kit: Internally mounted and labeled for copper and aluminum ground conductors.
2. Neutral Kit: Internally mounted; insulated, capable of being grounded and bonded; labeled for copper and aluminum neutral conductors.
3. Class R Fuse Kit: Provides rejection of other fuse types when Class R fuses are specified.

16.2 ENCLOSURES

A. Enclosed Switches and Circuit Breakers: NEMA AB 1, NEMA KS 1, NEMA 250, and UL 50, to comply with environmental conditions at installed location.
1. Indoor, Dry and Clean Locations: NEMA 250, Type 1 .
2. Outdoor Locations: NEMA 250, Type 3R .

SECTION 265100 - INTERIOR LIGHTING

PART 17 - GENERAL

17.1 RELATED DOCUMENTS

A. Refer to lighting fixture schedule for specific product requirements. Light fixture schedule takes precedence when requirements within that schedule and this specification section are contradictory.

17.2 ACTION SUBMITTALS

A. Product Data: For each type of lighting fixture, arranged in order of fixture designation. Include data on features, accessories, finishes, and the following:
1. Physical description of lighting fixture including dimensions.
2. Emergency lighting units including battery and charger.
3. Ballast, including BF.
4. Energy-efficiency data.
5. Life, output (lumens, CCT, and CRI), and energy-efficiency data for lamps.
6. Photometric data and adjustment factors based on laboratory tests, complying with IESNA Lighting Measurements Testing & Calculation Guides, of each lighting fixture type. The adjustment factors shall be for lamps, ballasts, and accessories identical to those indicated for the lighting fixture as applied in this Project.
   a. Testing Agency Certified Data: Photometric data shall be certified by a qualified independent testing agency.

B. Installation instructions.

17.3 COORDINATION

A. Coordinate layout and installation of lighting fixtures and suspension system with other construction that penetrates ceilings or is supported by them, including HVAC equipment, fire-suppression system, and partition assemblies.

END OF SECTION 265100

END OF SECTION

SECTION 28 31 12
FIRE ALARM

PART 1 - GENERAL

1.1 GENERAL

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. The installation shall conform to the applicable sections of the most current edition of NFPA-72, Americans with Disabilities Act (ADA), the National Electrical Code, International Building Code, and the Texas Accessibility Standard (TAS).

C. The relocation of existing fire alarm device(s) and addition of new fire alarm devices shall interface with the existing fire alarm notification system located in the building, for notification to emergency services. Provide Fire Alarm Interface module(s) as required. Labor and material to develop a graphical display of all addressable devices on floor plans for monitoring purposes shall be included in this section of the specification.

1.2 SUMMARY

A. This Section covers fire alarm systems, including initiating devices, notification appliances, controls, and supervisory devices.

B. Work covered by this section includes the furnishing of labor, equipment, and materials for installation of the fire alarm system as indicated on the drawings and specifications.

C. The Fire Alarm System shall consist of all necessary hardware equipment and software programming to perform the following functions:
1. Fire alarm system detection and notification operations.
2. Control and monitoring of elevators, door hold-open devices, fire suppression systems, and other equipment as indicated in the drawings and specifications.

D. Network fire alarm control panels shall include all features as described in this specification for stand-alone FACPs and shall have network communication capabilities as described herein.
1. All points monitored and controlled by a single node shall be capable of being programmed as "Public". Each point made public to the network may be programmed to be operated by any other node connected to the network.
2. Network communications shall be capable of supporting "point lists" that can be handled as though they were a single point.

1.3 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this section.

B. The work covered by this section is to be coordinated with related work as specified elsewhere in the specifications. Requirements of the following sections apply:
1. Division 26: "Basic Electrical Materials and Methods."
2. Division 26: "Wiring Methods."
3. Division 23: "Fire Suppression".
4. Division 25: "Fire Protection".
5. Division 25: "HVAC Systems".
6. Division 23: "Building Automation and Control".

C. The system and all associated operations shall be in accordance with the following:
1. Requirements of the following Model Building Code: IBC, 2012 Edition, with City of San Antonio adopted amendments.
2. Requirements of the following Model Fire Code: IFC, 2012 Edition, with City of San Antonio adopted amendments.
3. NFPA 72, National Fire Alarm Code, current edition.
4. ADA Accessibility Guidelines

1.4 SYSTEM DESCRIPTION

A. General: Provide a fire alarm integration of existing to be relocated fire alarm initiating devices, notification appliances, and monitoring and control devices to the building existing fire alarm system for a complete, fully functional fire alarm system installation as indicated on the drawings and as specified herein.

1.5 SUBMITTALS

A. General: Submit the following according to Conditions of Contract.
1. Record of field tests of system.

B. Submission to Authority Having Jurisdiction: In addition to routine submission of the above material, make an identical submission to the authority having jurisdiction. Include copies of shop drawings as required to depict component locations to facilitate review. Upon receipt of comments from the Authority, make resubmissions, if required, to make clarifications or revisions to obtain approval.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: A factory authorized installer is to perform the work of this section.

B. Each and every item of the Fire Alarm System shall be listed under the appropriate category by Underwriters Laboratories, Inc. (UL), and shall bear the "UL" label.

1.7 MAINTENANCE SERVICE

A. Maintenance Service Contract: Provide maintenance of fire alarm systems and equipment for the 12 month warranty period, using factory-authorized service representatives.

B. Additional Services: Perform services within the above 12-month warranty period not classified as routine maintenance or as warranty work when authorized in writing. Compensation for additional services must be agreed upon in writing prior to performing services.

C. Renewal of Maintenance Service Contract: No later than 60 days prior to the expiration of the warranty period, deliver to the Owner a proposal to provide contract maintenance and repair services for an additional one-year term. Owner will be under no obligation to accept maintenance service contract renewal proposal.

PART 2 - EXECUTION

2.1 INSTALLATION, GENERAL

A. Install system components and all associated devices in accordance with applicable NFPA Standards and manufacturer's recommendations.

B. Installation personnel shall be supervised by persons who are qualified and experienced in the installation, inspection, and testing of fire alarm systems. Examples of qualified personnel shall include, but not be limited to, the following:
1. Factory trained and certified personnel.
2. National Institute of Certification in Engineering Technologies (NICET) fire alarm level II certified personnel.
3. Personnel licensed or certified by state or local authority.

2.2 EQUIPMENT INSTALLATION

A. Furnish and install a complete Fire Alarm System as described herein and as shown on the plans. Include sufficient control unit(s), annunciator(s), manual stations, automatic fire detectors, smoke detectors, audible and visible notification appliances, wiring, terminations, electrical boxes, ethernet drops, and all other necessary material for a complete operating system.

B. Water-Flow and Valve Supervisory Switches: Connect for each sprinkler valve required to be supervised.

C. Device Location-Indicating Lights: Locate in the public space immediately adjacent to the device they monitor.

D. Install manual station with operating handle 48 inches (1.22 m) above floor. Install wall mounted audible and visual notification appliances not less than 80 inches (2.03 m) above floor to bottom of lens and not greater than 96 inches (2.44 m) above floor to bottom of lens.

E. Mount outlet box for electric door holder to withstand 80 pounds pulling force.

F. Make conduit and wiring connections to door release devices, sprinkler flow switches, sprinkler valve tamper switches, fire suppression system control panels, duct smoke detectors.

G. Automatic Detector Installation: Conform to NFPA 72.

H. Ethernet Drop: A standard RJ-45 Ethernet connection to the owner's Ethernet network shall be provided at each fire alarm control panel as part of the contract.

2.3 PREPARATION

A. Coordinate work of this Section with other affected work .

2.4 WIRING INSTALLATION

A. System Wiring: Wire and cable shall be a type listed for its intended use by an approval agency acceptable to the Authority Having Jurisdiction and shall be installed in accordance with the appropriate articles from the current approved edition of NFPA 70: National Electric Code (NEC).

B. Contractor shall obtain from the Fire Alarm System Manufacturer written instruction regarding the appropriate wire/cable to be used for this installation. No deviation from the written instruction shall be made by the Contractor without the prior written approval of the Fire Alarm System Manufacturer.

C. Color Coding: Color-code fire alarm conductors differently from the normal building power wiring. Use one color code for alarm initiating device circuits wiring and a different color code for supervisory circuits. Color-code notification appliance circuits differently from alarm-initiating circuits. Paint fire alarm system junction boxes and covers red.

D. Mount end-of-line device in box with last device or separate box adjacent to last device for Class "B" supervision.

E. Ethernet circuits shall be provided to the Fire Alarm Control Panel as shown on the plans.

2.5 FIELD QUALITY CONTROL

A. Manufacturer's Field Services: Provide services of a factory-authorized service representative to supervise the field assembly and connection of components and the pretesting, testing, and adjustment of the system.

B. Service personnel shall be qualified and experienced in the inspection, testing, and maintenance of fire alarm systems. Examples of qualified personnel shall be permitted to include, but shall not be limited to, individuals with the following qualifications:
1. Factory trained and certified.
2. National Institute for Certification in Engineering Technologies (NICET) fire alarm certified.
3. Certified by a state or local authority.

C. Pretesting: Determine, through pretesting, the conformance of the system to the requirements of the Drawings and Specifications. Correct deficiencies observed in pretesting. Replace malfunctioning or damaged items with new and retest until satisfactory performance and conditions are achieved.

D. Inspection:
1. Inspect equipment installation, interconnection with system devices, mounting locations, and mounting methods.
2. Verify that units and controls are properly installed, connected, and labeled and that interconnecting wires and terminals are identified.

E. Acceptance Operational Tests:
1. Perform operational system tests to verify conformance with specifications:
   a) Each alarm initiating device installed shall be operationally tested. Each device shall be tested for alarm and trouble conditions. Contractor shall submit a written certification that the Fire Alarm System installation is complete including all punch-list items. Test battery operated emergency power supply. Test emergency power supply to minimum durations specified. Test Supervising Station Signal Transmitter. Coordinate testing with Supervising Station monitoring firm/entity.
   b) Test each Notification Appliance installed for proper operation. Submit written report indicating sound pressure levels at specified distances.
   c) Test Fire Alarm Control Panel and Remote Annunciator.

F. Retesting: Correct deficiencies indicated by tests and completely retest work affected by such deficiencies. Verify by the system test that the total system meets the Specifications and complies with applicable standards.

G. Report of Tests and Inspections: Provide a written record of inspections, tests, and detailed test results in the form of a test log. Use NFPA 72 Forms for documentation.

H. Final Test, Record of Completion, and Certificate of Occupancy:
1. Test the system as required by the Authority Having Jurisdiction in order to obtain a certificate of occupancy. Provide completed NFPA 72 Record of Completion form to Owner and AHJ.

2.6 WARANTY AND SERVICES

A. The contractor shall warranty the entire system for electrical and mechanical failures for a period one year. The warranty shall begin with the completion of the acceptance testing or when beneficial use to the owner is determined.

B. The fire alarm system subcontractor or manufacturer shall offer for the owner's consideration at the time of system submittal a priced inspection, maintenance, testing and repair contract in full compliance with the requirements of NFPA 72.

C. The contractor performing the contract services shall be qualified and listed to maintain ongoing certification of the completed system to the "UL" installed system listing.

D. Provide the services of a factory-authorized service representative to demonstrate the system and train Owner's maintenance personnel as specified below.
1. Train Owner's maintenance personnel in the procedures and schedules involved in operating, troubleshooting, servicing, and preventive maintaining of the system. Provide a minimum of 8 hours' training. The contractor shall provide two such training sessions.
2. Schedule training with the Owner at least seven days in advance.

END OF SECTION 28 31 12

NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.

MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
PROFESSIONAL ENGINEER
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REG. NO. F-15042

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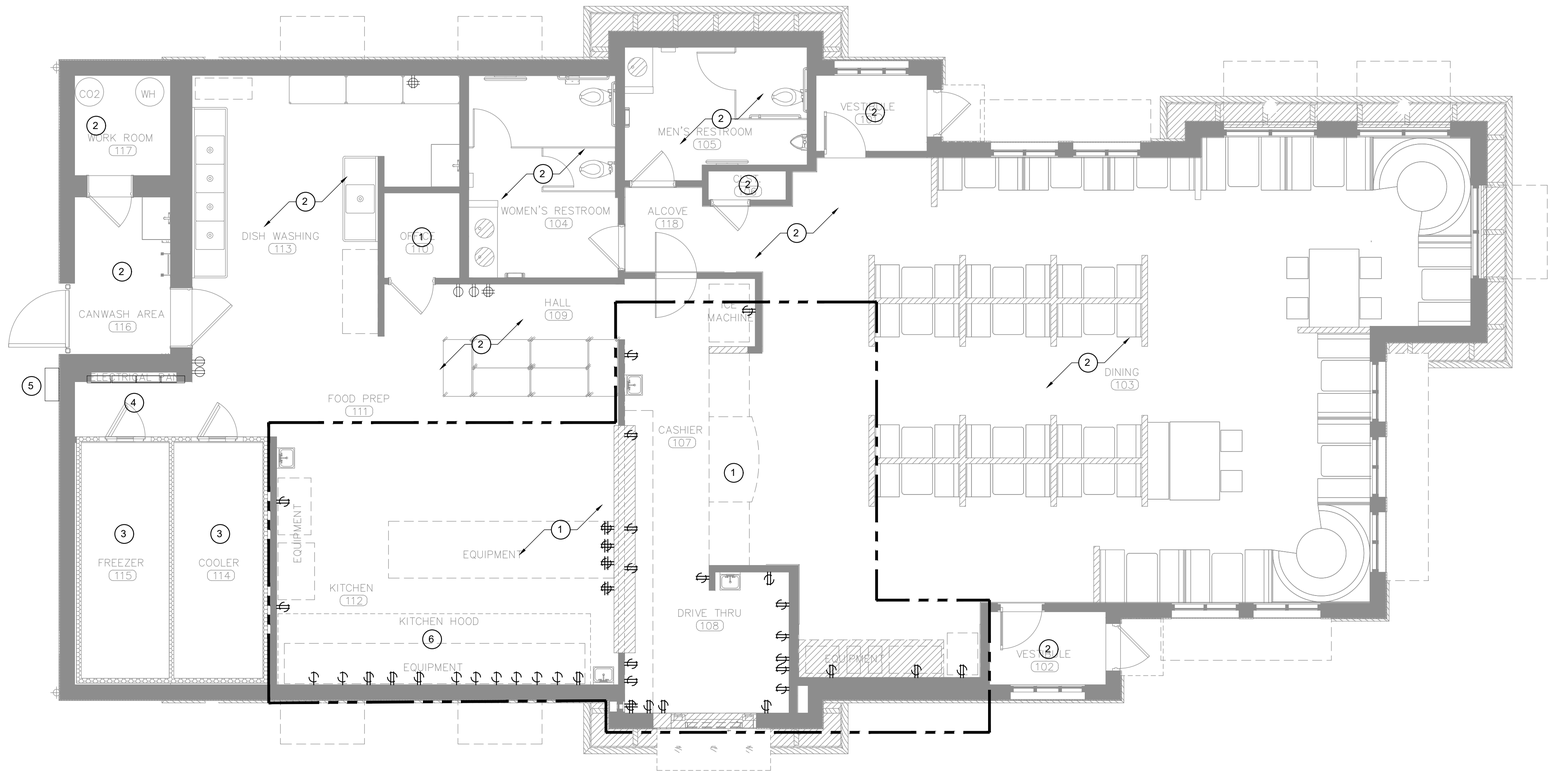
SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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1 EXISTING/DEMO ELECTRICAL POWER PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH / PROJECT NORTH

DEMOLITION LEGEND

- EXISTING 2X4 LIGHTING FIXTURES TO REMAIN.
- EXISTING 2X4 LIGHTING FIXTURES TO BE REMOVED.
- EXISTING 1X4 LIGHTING FIXTURES TO REMAIN.
- EXISTING 1X4 LIGHTING FIXTURES TO BE REMOVED.
- EXISTING DOWN LIGHTING FIXTURES TO REMAIN.
- EXISTING DOWN LIGHTING FIXTURES TO BE REMOVED.
- EXISTING DUPLEX RECEPTACLE DEVICE TO REMAIN.
- EXISTING DUPLEX RECEPTACLE DEVICE TO BE REMOVED.
- EXISTING QUAD RECEPTACLE DEVICE TO REMAIN.
- EXISTING QUAD RECEPTACLE DEVICE TO BE REMOVED.

(#) DEMOLITION KEYED NOTES: (THIS SHEET ONLY)

1. EXISTING ELECTRICAL & SPECIAL SYSTEMS DEVICES IN THIS AREA TO BE REMOVED, UNLESS NOTED OTHERWISE. SEE GENERAL NOTES FOR ADDITIONAL DETAILS.
2. EXISTING ELECTRICAL & SPECIAL SYSTEMS DEVICES IN THIS AREA TO REMAIN. SEE GENERAL NOTES FOR ADDITIONAL DETAILS.
3. EXISTING POWER CONNECTIONS FOR EQUIPMENT TO REMAIN. SEE GENERAL NOTES FOR ADDITIONAL DETAILS.
4. EXISTING ELECTRICAL PANELS TO REMAIN. REFERENCE ELECTRICAL ONE-LINE DIAGRAM, SHEET E-201, FOR ADDITIONAL INFORMATION.
5. EXISTING 1200A SERVICE DISCONNECT TO REMAIN. REFERENCE ELECTRICAL ONE-LINE DIAGRAM, SHEET E-201, FOR ADDITIONAL INFORMATION.
6. EXISTING CONNECTION TO VENT HOOD FOR POWER AND FIRE PROTECTION TO REMAIN. CONTRACTOR TO VERIFY COMPATIBILITY OF HOOD ANSUL SYSTEM WITH NEW FIRE ALARM SYSTEM FOR INTEGRATION. REFERENCE GENERAL NOTES AND SPECIFICATIONS FOR DETAILS.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

A. CONDUCT ALL DEMOLITION WORK IN SUCH A MANNER AS TO MAINTAIN A SAFE WORK ENVIRONMENT AND IN ACCORDANCE WITH APPLICABLE SAFETY RULES AND PROCEDURES WITHIN NEC, NECA AND OSHA REQUIREMENTS.

B. CONTRACTOR SHALL REQUEST AND REVIEW ANY HAZARDOUS MATERIALS SURVEYS FROM THE OWNER'S REPRESENTATIVE. OBSERVE RECOMMENDED PRECAUTIONS AND VERIFY THE STATUS OF ANY REMEDIAL WORK RECOMMENDED OR NOTED WITHIN THE HAZARDOUS MATERIAL SURVEY. NOTIFY THE OWNER'S REPRESENTATIVE IF ANY HAZARDOUS MATERIALS ARE SUSPECTED OR OBSERVED DURING THE COURSE OF EXECUTING THIS CONTRACT.

C. DRAWINGS INDICATED KNOWN UTILITY LOCATIONS. CONTRACTOR TO SURVEY AND COORDINATE TRACING OF EXISTING UNDERGROUND UTILITIES WITH LOCAL UTILITY COMPANIES. ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ALLOWANCES WILL BE MADE FOR THE CONTRACTOR'S UNFAMILIARITY OF THE EXISTING UTILITIES.

D. SURVEY AREAS OF THE FACILITY SCHEDULED FOR RENOVATION OR PARTIAL DEMOLITION PRIOR TO ANY WORK BEING PERFORMED. SUBMIT REPORT OF THE PRE-WORK SURVEY DETAILING ANY UTILIZATION EQUIPMENT OR SYSTEMS THAT ARE NOT IN GOOD WORKING ORDER IN ADVANCE OF ANY DEMOLITION WORK AND REVIEW WITH THE OWNER'S REPRESENTATIVE.

E. RESTORE CIRCUITS, UTILIZATION EQUIPMENT AND SYSTEMS AFFECTED BY SELECTIVE DEMOLITION TO THE CONDITION NOTED IN THE PRE-WORK SURVEY REPORT. ELECTRICAL CIRCUITS WITH A PORTION OF THE LOAD REMOVED SHALL HAVE THE REMOVED LOADS ASSOCIATED CIRCUITRY TERMINATED IN SUCH A MANNER THAT THE REMAINING LOAD REMAINS FULLY OPERATIONAL.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

F. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR SALVAGED MATERIAL. REQUEST THAT THE OWNER PROVIDE DIRECTION ON DISPOSITION OF SALVAGED MATERIAL FIVE(5) WORKING DAYS PRIOR TO REMOVAL. IF SO DIRECTED BY THE OWNER, SALVAGED MATERIAL SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION AS DIRECTED. REMOVE AND DISPOSE ANY SALVAGED MATERIAL NO RETAINED BY THE OWNER.

G. UNLESS OTHERWISE NOTED, DEMOLISH ELECTRICAL DEVICES, INCLUDING BUT NOT LIMITED TO: POWER AND DATA OUTLETS, WIRING, RACEWAYS, PANELBOARDS, LIGHTING DEVICES, EQUIPMENT CONTROL DEVICES AND POWER CONNECTIONS TO HVAC AND PLUMBING EQUIPMENT SCHEDULED FOR DEMOLITION.

H. DRAWINGS INDICATE APPROXIMATE LOCATION AND QUANTITY OF PANELS, TRANSFORMERS, DISCONNECTS, ET TO BE REMOVED. VERIFY LOCATION AND QUANTITY OF ITEMS TO BE REMOVED. NO ALLOWANCE WILL BE MADE BECAUSE OF CONTRATOR'S UNFAMILIARITY WITH THE DETAILS.

I. EQUIPMENT, RECEPTACLES, LIGHTS AND TELEPHONE OUTLETS SCHEDULED FOR DEMOLITION SHALL HAVE THEIR ASSOCIATED CIRCUITRY REMOVED. ASSOCIATED CIRCUITRY IS DEFINED AS ALL WIRE, CONDUIT, J-BOXES DEVICE BOXES, WIRING DEVICES, COVER PLATES, PROTECTIVE DEVICES, PANELS, ETC. ASSOCIATED WITH THE ITEM SCHEDULED FOR REMOVAL. CONDUIT FOR ITEMS SCHEDULED FOR REMOVAL AND IN INACCESSIBLE AREAS SHALL BE EMPTIED AND SEALED OR OTHERWISE TERMINATED IN A SAFE MANNER ACCEPTABLE TO THE OWNER

J. DAMAGED AREAS CAUSED BY REMOVAL OF ANY OF THE ABOVE ITEMS AND WHICH ARE NOT CONCEALED BY NE CONSTRUCTION SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. OPENINGS CREATED BY THE REMOVAL OF THESE ITEMS THROUGH FIRE RATED WALLS SHALL BE FIRE STOPPED.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

K. REMOVE ABANDONED CONDUIT TO POINT OF CONCEALMENT BEHIND INACCESSIBLE SURFACES. ENTIRELY REMOVE ABANDONED WIRING.

L. PROVIDE BLANK COVERS AND PLATES AT UNUSED OPENINGS IN BOXES, RACEWAYS, AUXILIARY GUTTERS, CABINETS, EQUIPMENT CASES AND HOUSINGS SHALL BE CLOSED TO AFFORD PROTECTION SUBSTANTIALLY EQUIVALENT TO THE EQUIPMENT ENCLOSURE.

M. IF A CONDUIT RUN IS EXPOSED OR A SURFACE RACEWAY LEFT WITHOUT A MOUNTING SURFACE DUE TO THE REMOVAL OF A PARTITION, THE RACEWAY SHALL BE REROUTED AS ACCEPTABLE TO THE OWNER/ARCHITECT.

N. PROTECT ELECTRICAL EQUIPMENT, OUTLETS, DEVICES THAT ARE SCHEDULED TO BE RELOCATED. REPAIR, RESTORE OR REPLACE ITEMS DAMAGED WHEN REMOVED TO THE APPROVAL OF THE OWNER. NOTIFY OWNER/ARCHITECT/ENGINEER OF ANY ELECTRICAL EQUIPMENT, OUTLETS AND/OR DEVICES WHICH ARE SCHEDULED TO BE RE-USED THAT ARE FOUND TO BE UNUSABLE.

O. CONTRACTOR SHALL UPDATE PANELBOARD DIRECTORIES AT EACH PANEL WHERE CIRCUIT MODIFICATIONS ARE MADE.

NOTICE:
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LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS — MICHAEL WASHINGTON — 111774 — LICENSED PROFESSIONAL ENGINEER — 08-16-25

MACK ENGINEERS
REG. NO. F-15042

MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
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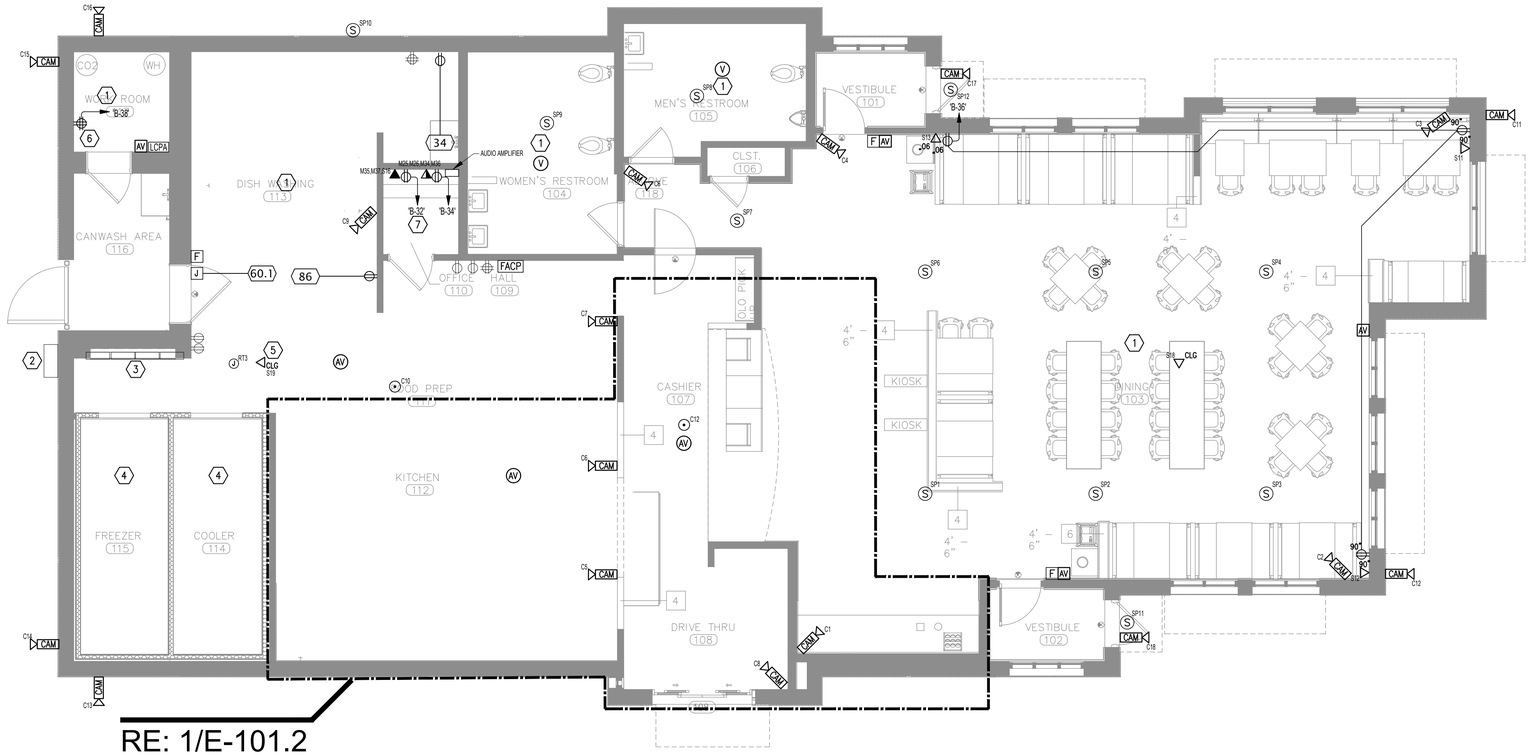
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EXISTING/DEMO ELECTRICAL POWER PLAN

E-101

LOW VOLTAGE CONNECTION SCHEDULE

LV#	EQUIPMENT NAME (TAG)	ORIGIN	CABLE	TERMINATION	COMMENTS
C1	CAMERA	NVR	CAT6	RJ45	
C2	CAMERA	NVR	CAT6	RJ45	
C3	CAMERA	NVR	CAT6	RJ45	
C4	CAMERA	NVR	CAT6	RJ45	
C5	CAMERA	NVR	CAT6	RJ45	
C6	CAMERA	NVR	CAT6	RJ45	
C7	CAMERA	NVR	CAT6	RJ45	
C8	CAMERA	NVR	CAT6	RJ45	
C9	CAMERA	NVR	CAT6	RJ45	
C10	CAMERA	NVR	CAT6	RJ45	
C11	CAMERA	NVR	CAT6	RJ45	WEATHERPROOF
C12	CAMERA	NVR	CAT6	RJ45	WEATHERPROOF
C13	CAMERA	NVR	CAT6	RJ45	WEATHERPROOF
C14	CAMERA	NVR	CAT6	RJ45	WEATHERPROOF
C15	CAMERA	NVR	CAT6	RJ45	WEATHERPROOF
C16	CAMERA	NVR	CAT6	RJ45	WEATHERPROOF
C17	CAMERA	NVR	CAT6	RJ45	WEATHERPROOF
C18	CAMERA	NVR	CAT6	RJ45	WEATHERPROOF
D30	DT TIMER	PRIVATE NETWORK SWITCH	CAT6	RJ45	M:33
M1	POS 1	MAIN NETWORK SWITCH	CAT6	RJ45	SURFACE MOUNTED IN POS COUNTER
M2	POS 2	MAIN NETWORK SWITCH	CAT6	RJ45	SURFACE MOUNTED IN POS COUNTER
M3	POS 3	MAIN NETWORK SWITCH	CAT6	RJ45	
M4	POS 4	MAIN NETWORK SWITCH	CAT6	RJ45	
M5	POS 5	MAIN NETWORK SWITCH	CAT6	RJ45	
M6	POS 6	MAIN NETWORK SWITCH	CAT6	RJ45	
M7	CHIP READER 1	MAIN NETWORK SWITCH	CAT6	RJ45	SURFACE MOUNTED IN POS COUNTER
M8	CHIP READER 2	MAIN NETWORK SWITCH	CAT6	RJ45	SURFACE MOUNTED IN POS COUNTER
M9	CHIP READER 3	MAIN NETWORK SWITCH	CAT6	RJ45	
M10	CHIP READER 4	MAIN NETWORK SWITCH	CAT6	RJ45	
M11	KDS 1/DINE IN EXPO	MAIN NETWORK SWITCH	CAT6	RJ45	
M12	KDS 2/DT EXPO	MAIN NETWORK SWITCH	CAT6	RJ45	
M13	KDS 3/COOK	MAIN NETWORK SWITCH	CAT6	RJ45	
M14	KDS 4/DT DRINK	MAIN NETWORK SWITCH	CAT6	RJ45	
M15	KDS 5/DINE IN QB	MAIN NETWORK SWITCH	CAT6	RJ45, MALE DE-15(VGA)	
M16	KDS 6/DRIVE THRU	MAIN NETWORK SWITCH	CAT6	RJ45, MALE DE-15(VGA)	
M17	KDS 7/DINE IN SSW	MAIN NETWORK SWITCH	CAT6	RJ45, MALE DE-15(VGA)	
M18	KDS 8/DRIVE THRU SSW	MAIN NETWORK SWITCH	CAT6	RJ45, MALE DE-15(VGA)	
M21	KDS 11/CLO EXPO	MAIN NETWORK SWITCH	CAT6	RJ45	
M22	DINE IN PRINTER	MAIN NETWORK SWITCH	CAT6	RJ45	
M23	DT PRINTER	MAIN NETWORK SWITCH	CAT6	RJ45	
M26	HEADSET CONTROLLER	MAIN NETWORK SWITCH	CAT6	RJ45	
M33	DT TIMER	MAIN NETWORK SWITCH	CAT6	RJ45	
M34	NVR	MAIN NETWORK SWITCH	CAT6	RJ45	
M35	MANAGERS PC	MAIN NETWORK SWITCH	CAT6	RJ45	
M36	MUSIC	MAIN NETWORK SWITCH	CAT6	RJ45	
M37	DRIVE TIMER RT/RT 7000	MAIN NETWORK SWITCH	CAT6	RJ45	
M38	IT CABINET	MAIN NETWORK SWITCH	CAT6	RJ45	
RT1	HEADSET	HEADSET CONTROLLER	CAT6	RJ45	WEATHERPROOF
RT2	HEADSET	HEADSET CONTROLLER	CAT6	RJ45	WEATHERPROOF
RT3	HEADSET	HEADSET CONTROLLER	CAT6	RJ45	
RT4	HEADSET	HEADSET CONTROLLER	CAT6	RJ45	WEATHERPROOF
S1	IDMB 1	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45, HDMI	
S2	IDMB 2	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45, HDMI	
S3	IDMB 3	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45, HDMI	
S4	IDMB 4	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45, HDMI	
S5	ODMB 1	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45	
S6	ODMB 2	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45	
S7	ODMB 3	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45	
S8	ODMB 4	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45	
S9	ODMB 5/PREVIEW	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45	
S10	ODMB 6/PREVIEW	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45	
S12	TV 2	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45, HDMI	
S13	TV 3	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45, HDMI	
S14	TV 4	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45, HDMI	
S15	TV 5	SECONDARY NETWORK SWITCH	CAT6, HDMI	RJ45, HDMI	
S16	YEALINK W70	SECONDARY NETWORK SWITCH	CAT6	RJ45	
S18	WAP1FOH	SECONDARY NETWORK SWITCH	CAT6	RJ45	CEILING MOUNTED
S19	WAP1BOH	SECONDARY NETWORK SWITCH	CAT6	RJ45	CEILING MOUNTED
S20	WAP OUTDOOR	SECONDARY NETWORK SWITCH	CAT6	RJ45	WALL MOUNTED, WEATHERPROOF; S22
S21	WIFI ACCESS POINT	SECONDARY NETWORK SWITCH	CAT6	RJ45	WALL MOUNTED, WEATHERPROOF; S21
S22	WAP1OUTDOOR	SECONDARY NETWORK SWITCH	CAT6	RJ45	WALL MOUNTED, WEATHERPROOF; S22
SP1	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	BOTTOM OF TRUSS
SP2	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	BOTTOM OF TRUSS
SP3	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	BOTTOM OF TRUSS
SP4	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	RECESSED IN CEILING
SP5	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	BOTTOM OF TRUSS
SP6	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	RECESSED IN CEILING
SP7	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	RECESSED IN CEILING
SP8	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	RECESSED IN CEILING
SP9	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	RECESSED IN CEILING
SP10	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	120" AFF. WEATHERPROOF
SP11	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	114" AFF. WEATHERPROOF
SP12	SPEAKER	AUDIO AMPLIFIER	#16/2	TERMINALS	114" AFF. WEATHERPROOF



1 PROPOSED ELECTRICAL POWER & SPECIAL SYSTEMS PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH PROJECT NORTH

KEYED NOTES: (THIS SHEET ONLY)

1. EXISTING POWER AND SPECIAL SYSTEMS IN THIS AREA SALVAGED FROM DEMOLITION. UNLESS NOTED OTHERWISE.
2. EXISTING 1200A MAIN DISCONNECT SALVAGED FROM DEMOLITION.
3. EXISTING ELECTRICAL PANELS SALVAGED FROM DEMOLITION. REFERENCE ONE-LINE DIAGRAM, SHEET E-201, FOR ADDITIONAL INFORMATION.
4. EXISTING CONNECTIONS TO FRIDGE/FREEZER SALVAGED FROM DEMOLITION.
5. CEILING MOUNTED JUNCTION BOX FOR SINGLE DATA DROP CONNECTION TO RADIO TRANSMITTER. PROVIDE 1-1/2" CONDUIT ABOVE CEILING. PENETRATE EXTERIOR WALL AND ROUTE DOWN TO UNDERGROUND AND TO EXISTING MENU BOARD LOCATION FOR COMMUNICATION CABLING TO 'AP1F' AND 'MENU.'
6. EXISTING TELECOMMUNICATIONS EQUIPMENT LOCATION AND NEW COMMUNICATIONS AND SECURITY EQUIPMENT LOCATION. COORDINATE WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
7. CONTRACTOR TO VERIFY AVAILABLE CIRCUITS IN PANEL SALVAGED FROM DEMOLITION AND UTILIZE THOSE CIRCUITS AND PROVIDE UPDATED, TYPED PANEL SCHEDULE CARD. (TYPICAL)

GENERAL NOTES: (POWER & SS PLAN ONLY)

A. DEVICES SHOWN ARE FOR DESIGN INTENT PURPOSES ONLY. CONTRACTOR SHALL DESIGN AND PROVIDE A COMPLETE, FULLY FUNCTIONAL, FIRE ALARM IN ACCORDANCE WITH NFPA 72, NFPA 101, IFC 2003, FM GLOBAL AND ALL CITY OF SAN MARCOS ORDINANCES. FIRE ALARM SHALL ALSO INCLUDE DEVICES AND POWER REQUIRED TO INTERFACE WITH EXISTING KITCHEN FIRE SUPPRESSION SYSTEM AND ANY MECHANICAL EQUIPMENT INTERFACE.

B. REFERENCE DIVISION 28 SPECIFICATIONS FOR ADDITIONAL FIRE ALARM SYSTEMS REQUIREMENTS.

C. CONDUIT LINES SHOWN ON DRAWING ARE DIAGRAMMATIC. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND CHOOSE APPROPRIATE CONDUIT ROUTING. IN THE EVENT THAT APPROXIMATE CONDUIT SHOWN ON PLANS IS NOT FEASIBLE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER.

D. REFERENCE KITCHEN EQUIPMENT SCHEDULE, THIS SHEET, FOR REQUIREMENTS AND ADDITIONAL INFORMATION OF TAGGED EQUIPMENT SHOWN ON PLAN.

E. COORDINATE EXACT LOCATIONS OF MECHANICAL/PLUMBING EQUIPMENT WITH OTHER DISCIPLINES.

F. COORDINATE ALL RECEPTACLES LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS. FINAL MOUNTING HEIGHTS TO BE VERIFIED IN FIELD BEFORE ROUGH-IN.

G. RECEPTACLES LOCATED WITHIN 6' OF ANY PLUMBING FIXTURE , AT BREAK ROOM COUNTERTOPS, AT THE EXTERIOR OR OTHERWISE EXPOSED TO WATER SHALL BE TYPE GFCI. PROVIDE "WHILE-IN-USE", CAST ALUMINUM COVERS FOR EXTERIOR RECEPTACLES.

GENERAL NOTES: (POWER & SS PLAN ONLY)

H. ALL RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE UNLESS NOTED OTHERWISE.

I. PROVIDE 120V CIRCUIT TO ALL FIRE/SMOKE DAMPERS. CONNECT NO MORE THAN FOUR(4) DAMPERS TO NEAREST 120V PANEL. DAMPERS ON DIFFERENT FLOORS SHALL NOT BE CONNECTED TOGETHER. DAMPER CONTROL SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS AND QUANTITIES OF ALL FIRE/SMOKE DAMPERS.

J. PROVIDE 120V POWER FOR ALL ADA DOOR OPENINGS, DOOR OPERATORS, CARD READERS, MAG LOCKS, ELECTRIC STRIKES AND EMERGENCY PANIC DOORS. COORDINATE EXACT LOCATIONS, QUANTITIES AND ROUGH-IN REQUIREMENTS WITH ARCHITECTURAL AND SECURITY DRAWINGS.

K. COORDINATE DISCONNECT SWITCHES, VFDS AND STARTER LOCATIONS WITH EQUIPMENT INSTALLERS TO MAINTAIN PROPER MAINTENANCE AND CODE CLEARANCES.

L. DISCONNECTING MEANS FOR APPLIANCES SHALL COMPLY WITH 2023 NEC SECTION 422.31.

M. PROVIDE ALL EMPTY CONDUIT WITH PULLSTRING.

N. ALL CONDUIT BENDS CONTAINING DATA CABLES SHALL BE LONG SWEEPS, NO 90 DEGREE BENDS.

O. CONTRACTOR COORDINATE FINAL DEVICE LOCATIONS WITH SLIMS CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.

NOTICE:
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LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
PROFESSIONAL ENGINEER
08-16-25
MACK ENGINEERS
REG. NO. F-15042

MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

BIG STAR LAND LLC.

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SAN MARCOS, TX 78666

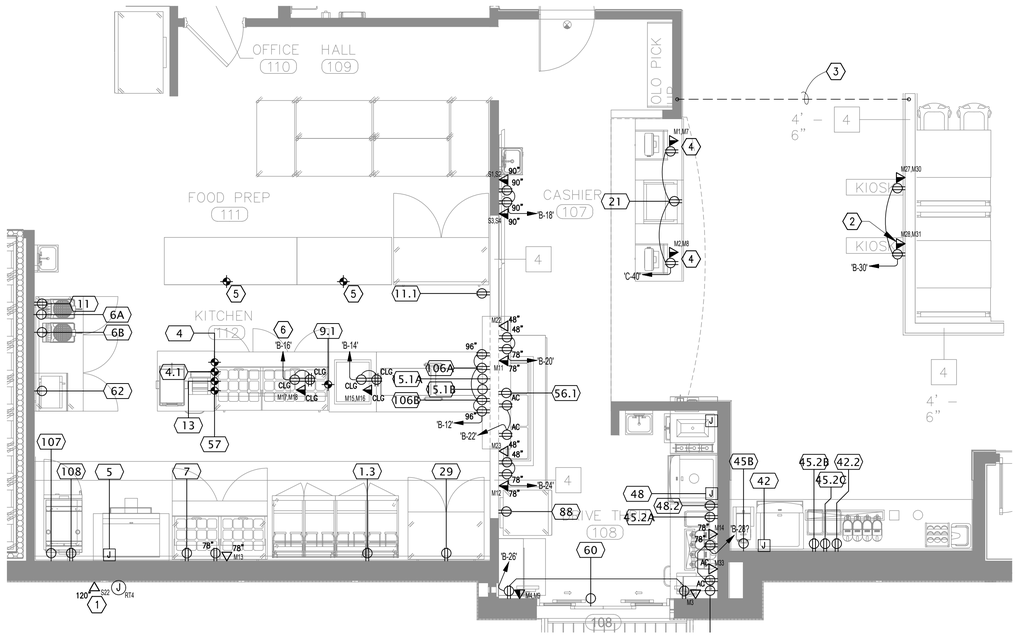
#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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PROPOSED ELECTRICAL POWER & SPECIAL SYSTEMS PLAN

E-101.1



1 ENLARGED KITCHEN ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH | PROJECT NORTH

KITCHEN ELECTRICAL CONNECTION SCHEDULE

TAG NO.	CONN. TYPE	EQUIPMENT DISCRIPTION	AMPS	VOLTAGE / PHASE	LOCATION	MTG HEIGHT	DISCONNECTING MEANS	WIRE & CONDUIT	CIRCUIT NUMBER	NOTES
1.3A	JB/DS	TWO BANK DEEP FAT FRYER W/FILTER	61.0	208/3	WALL	24"	240V, 100A, 80AF, DISC.	3#3, 1#8GND. IN 1-1/2"C.	'C-31,33,35'	7
1.3B	JB/DS	TWO BANK DEEP FAT FRYER W/FILTER	61.0	208/3	WALL	24"	240V, 100A, 80AF, DISC.	3#3, 1#8GND. IN 1-1/2"C.	'C-32,34,36'	7
4	DR	TORTILLA PRESS	15.0	120/1	CEILING		NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-29'	5
4.1	SR	CONVEYOR TOASTER	20.0	208/1	CEILING		NEMA 6-20P	2#10, 1#10GND. IN 3/4"C.	'C-7,9'	5
5	JB	COUNTERTOP GRIDDLE, ELECTRIC	25.0	208/3	WALL	50"	CIRCUIT BREAKER	3#10, 1#10GND. IN 3/4"C.	'C-15,17,19'	7
6A	DR	WAFFLE BAKER	11.0	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-16'	5
6B	DR	WAFFLE BAKER	11.0	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-18'	5
7	DR	BREADING STATION REFRIGERATOR	4.4	120/1	WALL	24"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-32'	7
9.1	SR	DROP-IN HOT FOOD UNIT	4.3	208/1	CEILING		NEMA 6-15P	2#10, 1#10GND. IN 3/4"C.	'C-11,13'	5
11	DR	WORKTOP REFRIGERATOR (72 5/8"W)	2.5	120/1	WALL	24"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-34'	5
11.1	DR	WORKTOP REFRIGERATOR (60 1/4"W)	2.4	120/1	WALL	18"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-36'	5
13	DR	PRODUCT HOLDING UNIT	12	120/1	CEILING		NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-38'	5
15.1A	SR	DROP-IN HOT FOOD UNIT	8.17	208/1	WALL	18"	NEMA L14-20P	2#10, 1#10GND. IN 3/4"C.	'C-21,23'	5
15.1B	SR	DROP-IN HOT FOOD UNIT	8.17	208/1	WALL	18"	NEMA L14-20P	2#10, 1#10GND. IN 3/4"C.	'C-25,27'	5
21	DR	COUNTERTOP REFRIGERATED DISP.	1.8	120/1	WALL	24"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-40	5
29	SR	WORKTOP REFRIGERATOR	2.5	120/1	WALL	24"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-42'	5
34	DR	BAG-N-BOX/CARBONATOR	10	120/1	WALL	88"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-3'	5
42	JB	ICE MACHINE (1327LB. CAPACITY)	15.9	208/1	WALL	102"	CIRCUIT BREAKER	2#10, 1#10GND. IN 3/4"C.	'C-20,22'	3
42.2	DR	COUNTERTOP SODA DISPENSER	3.5	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-5'	5
45A	DR	TEA BREWER	13.8	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-39'	5
45B	DR	TEA BREWER	13.8	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-41'	5
45.2A	DR	LEMONADE DISPENSER	3.0	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-2'	5
45.2B	DR	LEMONADE DISPENSER	3.0	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-5'	5
45.2C	DR	LEMONADE DISPENSER	3.0	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-5'	5
48	JB	ICE MACHINE (1327LB. CAPACITY)	15.9	208/1	WALL	96"	CIRCUIT BREAKER	2#10, 1#10GND. IN 3/4"C.	'C-24,26'	3
48.2	DR	COUNTERTOP SODA DISPENSER	3.5	120/1	WALL	50"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-2'	5
56.1	DR	DROP-IN REFRIGERATED COLD WELL	5.9	120/1	WALL	18"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-36'	5
57	DR	SANDWICH/SALAD PREP FRIDGE	9.9	120/1	CEILING		NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-4'	5
58	JB	SHAKE MACHINE	12.0	208/1	WALL	50"	CIRCUIT BREAKER	2#10, 1#10GND. IN 3/4"C.	'C-28,30'	3
60	DR	AIR CURTAIN, HEATED, DRIVE-THRU	15.7	120/1	WALL	96"	NEMA 5-20P	2#10, 1#10GND. IN 3/4"C.	'B-8'	1,3
60.1	JB	AIR CURTAIN, UNHEATED, BACK DOOR	3.4	120/1	WALL	102"	CIRCUIT BREAKER	2#10, 1#10GND. IN 3/4"C.	'C-34'	1,3
62	DR	MICROWAVE OVEN	13.4	120/1	WALL	72"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-10'	5
86	DR	REACH-IN TWO SECTION FRIDGE	2.8	120/1	WALL	24"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-34'	5
88	DR	REACH-IN FREEZER	4.4	120/1	WALL	24"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-42'	5
106A	DR	TIMER	0.02	120/1	VERIFY		NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-12'	5
106B	DR	TIMER	0.02	120/1	VERIFY		NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'B-12'	5
107	SR	MULTI-COOK OVEN, ELECTRIC	19	208/3	WALL	50"	NEMA 15-30P	3#10, 1#10GND. IN 3/4"C.	'C-37,39,41'	7
108	DR	DRAWER WARMER, NARROW	5.3	120/1	WALL	18"	NEMA 5-15P	2#10, 1#10GND. IN 3/4"C.	'C-32'	7

13-Aug

LEGEND:
PMSR - PEDESTAL MOUNT, SINGLE GFCI RECEPTACLE, REF. KITCHEN CONSULTANT PLANS FOR DETAIL
PMDR - PEDESTAL MOUNT, DUPLEX GFCI RECEPTACLE, REF. KITCHEN CONSULTANT PLANS FOR DETAIL
PMJB - PEDESTAL MOUNT, JUNCTION BOX, REF. KITCHEN CONSULTANT PLANS FOR DETAIL
CS - CONDUIT STUB UP. CUT FOR DIRECT CONNECTION
DR - DUPLEX RECEPTACLE, GFCI
JB - JUNCTION BOX
SR - SINGLE RECEPTACLE, GFCI
DS DISCONNECT SWITCH FURNISHED AND INSTALLED BY DIVISION 26
*SHUNT TRIP BREAKER REQUIRED

NOTES:
1. TO BE CONNECTED THRU KITCHEN EQUIPMENT CONSULTANT WITH DOOR ACTIVATED MICROSWITCH. RE: KITCHEN CONSULTANT DRAWINGS.
2. TERMINATE GROUND ON ISOLATED GROUND BUS.
3. INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE).
4. INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CIRITICAL LOAC).
5. GFI BREAKER FOR PERSONNEL PROTECTION (5mA)
6. GFI BREAKER FOR EQUIPMENT PROTECTION (30mA)

KEYED NOTES: (THIS SHEET ONLY)

1. PROVIDE SINGLE GANG RECESSED WEATHERPROOF JUNCTION BOX FOR OUTDOOR WIRELESS ACCESS POINT WITH 1" CONDUIT AND PULL STRING. STUB CONDUIT 6" ABOVE NEAREST ACCESSIBLE CEILING.
2. PROVIDE SINGLE GANG JUNCTION BOX WITH 1" CONDUIT AND PULL STRING. STUB CONDUIT 6" ABOVE NEAREST ACCESSIBLE CEILING OR 10' A.F.F. (TYPICAL)
3. PROVIDE 1" CONDUIT FOR POWER CIRCUIT TO PONY WALL. PROVIDE ONE(1)-1 1/2" CONDUIT FOR COMMUNICATIONS CABLING TO PONY WALL. ROUTE CONDUITS DOWN FULL WALL UNDER FLOOR AND STUB UP IN PONY WALL. ROUTE CONDUIT THROUGH WALL TO DEVICES.
4. RECEPTACLES AND COMMUNICATION DEVICES TO BE MOUNTED IN CASEWORK. ROUTE CONDUITS BACK TO NEAREST FULL HEIGHT WALL FOR CONCEALMENT BACK TO SOURCE.
5. PROVIDE CEILING MOUNTED JUNCTION BOX AND SUPPORTING STRUCTURE FOR DROP-CORD RECEPTACLE WITH NEMA 5-20R DUPLEX. PROVIDE DROP-CORD DEVICE WITH STRAIN RELIEF GRIPS.
6. CONTRACTOR TO VERIFY AVAILABLE CIRCUITS IN PANEL SALVAGED FROM DEMOLITION AND UTILIZE THOSE CIRCUITS AND PROVIDE UPDATED, TYPED PANEL SCHEDULE CARD. (TYPICAL)

GENERAL NOTES: (POWER & SS PLAN ONLY)

A. CONDUIT LINES SHOWN ON DRAWING ARE DIAGRAMMATIC. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND CHOOSE APPROPRIATE CONDUIT ROUTING. IN THE EVENT THAT APPROXIMATE CONDUIT SHOWN ON PLANS IS NOT FEASIBLE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER.

B. REFERENCE KITCHEN EQUIPMENT SCHEDULE, THIS SHEET, FOR REQUIREMENTS AND ADDITIONAL INFORMATION OF TAGGED EQUIPMENT SHOWN ON PLAN.

C. COORDINATE EXACT LOCATIONS OF MECHANICAL/PLUMBING EQUIPMENT WITH OTHER DISCIPLINES.

D. COORDINATE ALL RECEPTACLES LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS. FINAL MOUNTING HEIGHTS TO BE VERIFIED IN FIELD BEFORE ROUGH-IN.

E. RECEPTACLES LOCATED WITHIN 6' OF ANY PLUMBING FIXTURE, AT BREAK ROOM COUNTERTOPS, AT THE EXTERIOR OR OTHERWISE EXPOSED TO WATER SHALL BE TYPE GFCI. PROVIDE "WHILE-IN-USE", CAST ALUMINUM COVERS FOR EXTERIOR RECEPTACLES.

F. ALL RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE UNLESS NOTED OTHERWISE.

G. PROVIDE 120V CIRCUIT TO ALL FIRE/SMOKE DAMPERS. CONNECT NO MORE THAN FOUR(4) DAMPERS TO NEAREST 120V PANEL. DAMPERS ON DIFFERENT FLOORS SHALL NOT BE CONNECTED TOGETHER. DAMPER CONTROL SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS AND QUANTITIES OF ALL FIRE/SMOKE DAMPERS.

GENERAL NOTES: (POWER & SS PLAN ONLY)

H. PROVIDE 120V POWER FOR ALL ADA DOOR OPENINGS, DOOR OPERATORS, CARD READERS, MAG LOCKS, ELECTRIC STRIKES AND EMERGENCY PANIC DOORS. COORDINATE EXACT LOCATIONS, QUANTITIES AND ROUGH-IN REQUIREMENTS WITH ARCHITECTURAL AND SECURITY DRAWINGS.

I. COORDINATE DISCONNECT SWITCHES, VFDS AND STARTER LOCATIONS WITH EQUIPMENT INSTALLERS TO MAINTAIN PROPER MAINTENANCE AND CODE CLEARANCES.

J. DISCONNECTING MEANS FOR APPLIANCES SHALL COMPLY WITH 2023 NEC SECTION 422.31.

K. PROVIDE ALL EMPTY CONDUIT WITH PULLSTRING.

L. ALL CONDUIT BENDS CONTAINING DATA CABLES SHALL BE LONG SWEEPS, NO 90 DEGREE BENDS.

M. CONTRACTOR COORDINATE FINAL DEVICE LOCATIONS WITH SLIMS CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.

N. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL INFRASTRUCTURE FOR DATA, COMMUNICATIONS AND SECURITY SYSTEMS.

O. REFERENCE LOW VOLTAGE CONNECTION SCHEDULE, SHEET E101.1, FOR REQUIREMENTS AND ADDITIONAL INFORMATION FOR TAGGED COMMUNICATIONS EQUIPMENT SHOWN ON PLAN.

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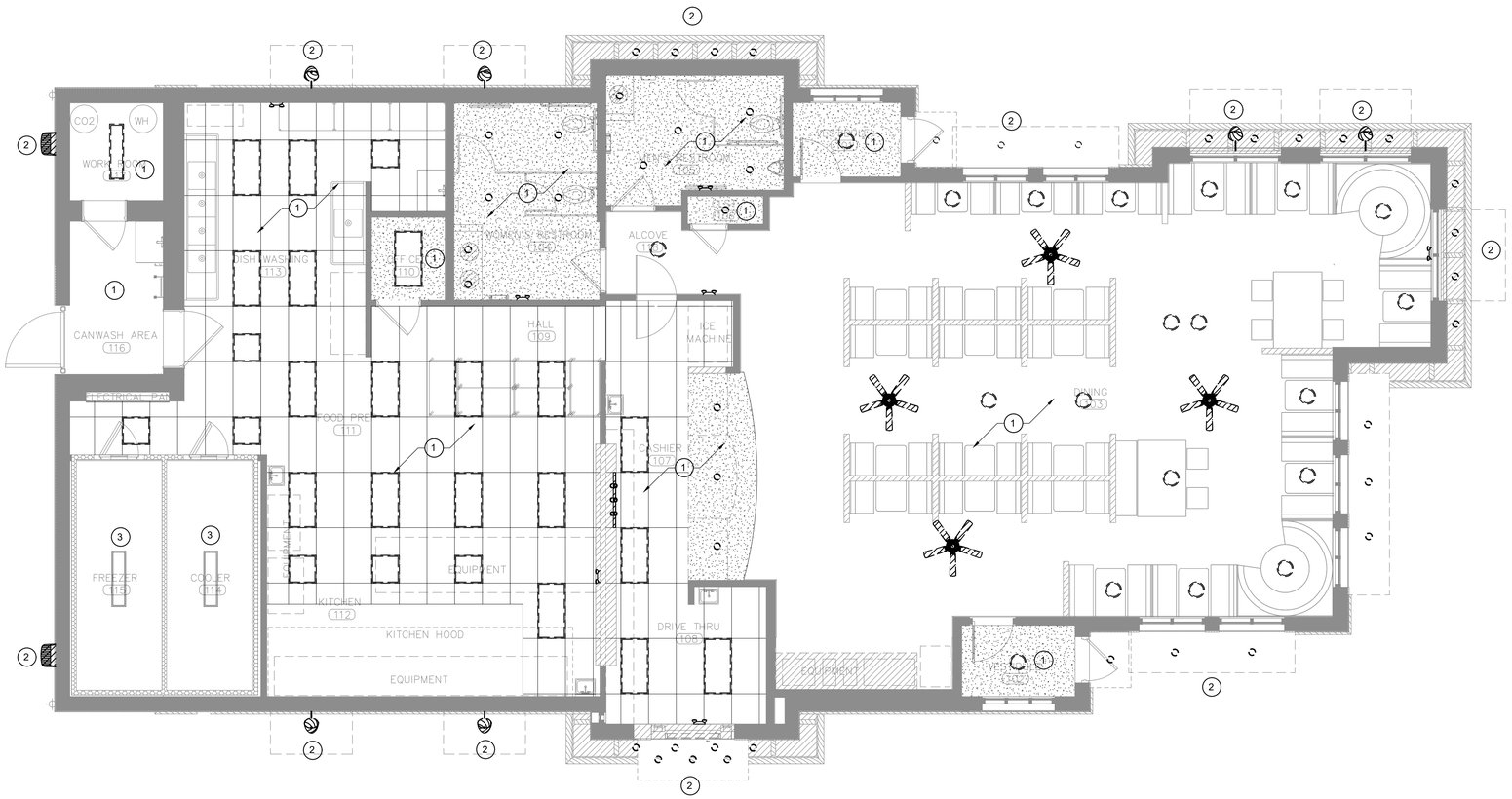
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ENLARGED KITCHEN ELECTRICAL PLAN

E-101.2



1 EXISTING/DEMO ELECTRICAL LIGHTING PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH

PROJECT NORTH

DEMOLITION LEGEND

- EXISTING 2X4 LIGHTING FIXTURES TO REMAIN.
- EXISTING 2X4 LIGHTING FIXTURES TO BE REMOVED.
- EXISTING 1X4 LIGHTING FIXTURES TO REMAIN.
- EXISTING 1X4 LIGHTING FIXTURES TO BE REMOVED.
- EXISTING DOWN LIGHTING FIXTURES TO REMAIN.
- EXISTING DOWN LIGHTING FIXTURES TO BE REMOVED.
- EXISTING DUPLEX RECEPTACLE DEVICE TO REMAIN.
- EXISTING DUPLEX RECEPTACLE DEVICE TO BE REMOVED.
- EXISTING QUAD RECEPTACLE DEVICE TO REMAIN.
- EXISTING QUAD RECEPTACLE DEVICE TO BE REMOVED.

(#) DEMOLITION KEYED NOTES: (THIS SHEET ONLY)

1. EXISTING LIGHTING FIXTURES AND CONTROLS IN THIS AREA TO BE REMOVED, UNLESS NOTED OTHERWISE. REMOVE CIRCUIT BACK TO POINT OF ORIGIN IN PANEL. CONDUIT FROM PANEL TO J-BOX ABOVE CEILING MAY BE SALVAGED FOR RECONNECTION TO NEW LIGHTING IF IN GOOD CONDITION. SEE GENERAL NOTES FOR ADDITIONAL DETAILS.
2. EXISTING EXTERIOR LIGHTING FIXTURES IN THIS AREA TO BE REMOVED, UNLESS NOTED OTHERWISE. SALVAGE CIRCUIT FOR RE-CONNNECTION TO NEW LIGHTING FIXTURES FOR POWER AND CONTROL. SEE GENERAL NOTES FOR ADDITIONAL DETAILS.
3. EXISTING LIGHTING FIXTURES AND CONTROLS IN THIS AREA TO REMAIN. SEE GENERAL NOTES FOR ADDITIONAL DETAILS.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

A. CONDUCT ALL DEMOLITION WORK IN SUCH A MANNER AS TO MAINTAIN A SAFE WORK ENVIRONMENT AND IN ACCORDANCE WITH APPLICABLE SAFETY RULES AND PROCEDURES WITHIN NEC, NECA AND OSHA REQUIREMENTS.

B. CONTRACTOR SHALL REQUEST AND REVIEW ANY HAZARDOUS MATERIALS SURVEYS FROM THE OWNER'S REPRESENTATIVE. OBSERVE RECOMMENDED PRECAUTIONS AND VERIFY THE STATUS OF ANY REMEDIAL WORK RECOMMENDED OR NOTED WITHIN THE HAZARDOUS MATERIAL SURVEY. NOTIFY THE OWNER'S REPRESENTATIVE IF ANY HAZARDOUS MATERIALS ARE SUSPECTED OR OBSERVED DURING THE COURSE OF EXECUTING THIS CONTRACT.

C. DRAWINGS INDICATED KNOWN UTILITY LOCATIONS. CONTRACTOR TO SURVEY AND COORDINATE TRACING OF EXISTING UNDERGROUND UTILITIES WITH LOCAL UTILITY COMPANIES. ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ALLOWANCES WILL BE MADE FOR THE CONTRACTOR'S UNFAMILIARITY OF THE EXISTING UTILITIES.

D. SURVEY AREAS OF THE FACILITY SCHEDULED FOR RENOVATION OR PARTIAL DEMOLITION PRIOR TO ANY WORK BEING PERFORMED. SUBMIT REPORT OF THE PRE-WORK SURVEY DETAILING ANY UTILIZATION EQUIPMENT OR SYSTEMS THAT ARE NOT IN GOOD WORKING ORDER IN ADVANCE OF ANY DEMOLITION WORK AND REVIEW WITH THE OWNER'S REPRESENTATIVE.

E. RESTORE CIRCUITS, UTILIZATION EQUIPMENT AND SYSTEMS AFFECTED BY SELECTIVE DEMOLITION TO THE CONDITION NOTED IN THE PRE-WORK SURVEY REPORT. ELECTRICAL CIRCUITS WITH A PORTION OF THE LOAD REMOVED SHALL HAVE THE REMOVED LOADS ASSOCIATED CIRCUITRY TERMINATED IN SUCH A MANNER THAT THE REMAINING LOAD REMAINS FULLY OPERATIONAL.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

F. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR SALVAGED MATERIAL. REQUEST THAT THE OWNER PROVIDE DIRECTION ON DISPOSITION OF SALVAGED MATERIAL FIVE(5) WORKING DAYS PRIOR TO REMOVAL. IF SO DIRECTED BY THE OWNER, SALVAGED MATERIAL SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION AS DIRECTED. REMOVE AND DISPOSE ANY SALVAGED MATERIAL NO RETAINED BY THE OWNER.

G. UNLESS OTHERWISE NOTED, DEMOLISH ELECTRICAL DEVICES, INCLUDING BUT NOT LIMITED TO: POWER AND DATA OUTLETS, WIRING, RACEWAYS, PANELBOARDS, LIGHTING DEVICES, EQUIPMENT CONTROL DEVICES AND POWER CONNECTIONS TO HVAC AND PLUMBING EQUIPMENT SCHEDULED FOR DEMOLITION.

H. DRAWINGS INDICATE APPROXIMATE LOCATION AND QUANTITY OF PANELS, TRANSFORMERS, DISCONNECTS, ETC. TO BE REMOVED. VERIFY LOCATION AND QUANTITY OF ITEMS TO BE REMOVED. NO ALLOWANCE WILL BE MADE BECAUSE OF CONTRATOR'S UNFAMILIARITY WITH THE DETAILS.

I. EQUIPMENT, RECEPTACLES, LIGHTS AND TELEPHONE OUTLETS SCHEDULED FOR DEMOLITION SHALL HAVE THEIR ASSOCIATED CIRCUITRY REMOVED. ASSOCIATED CIRCUITRY IS DEFINED AS ALL WIRE, CONDUIT, J-BOXES, DEVICE BOXES, WIRING DEVICES, COVER PLATES, PROTECTIVE DEVICES, PANELS, ETC. ASSOCIATED WITH THE ITEM SCHEDULED FOR REMOVAL. CONDUIT FOR ITEMS SCHEDULED FOR REMOVAL AND IN INACCESSIBLE AREAS SHALL BE EMPTIED AND SEALED OR OTHERWISE TERMINATED IN A SAFE MANNER ACCEPTABLE TO THE OWNER.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

J. DAMAGED AREAS CAUSED BY REMOVAL OF ANY OF THE ABOVE ITEMS AND WHICH ARE NOT CONCEALED BY NEW CONSTRUCTION SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. OPENINGS CREATED BY THE REMOVAL OF THESE ITEMS THROUGH FIRE RATED WALLS SHALL BE FIRE STOPPED.

K. REMOVE ABANDONED CONDUIT TO POINT OF CONCEALMENT BEHIND INACCESSIBLE SURFACES. ENTIRELY REMOVE ABANDONED WIRING.

L. PROVIDE BLANK COVERS AND PLATES AT UNUSED OPENINGS IN BOXES, RACEWAYS, AUXILIARY GUTTERS, CABINETS, EQUIPMENT CASES AND HOUSINGS SHALL BE CLOSED TO AFFORD PROTECTION SUBSTANTIALLY EQUIVALENT TO THE EQUIPMENT ENCLOSURE.

M. IF A CONDUIT RUN IS EXPOSED OR A SURFACE RACEWAY LEFT WITHOUT A MOUNTING SURFACE DUE TO THE REMOVAL OF A PARTITION, THE RACEWAY SHALL BE REROUTED AS ACCEPTABLE TO THE OWNER/ARCHITECT.

N. PROTECT ELECTRICAL EQUIPMENT, OUTLETS, DEVICES THAT ARE SCHEDULED TO BE RELOCATED. REPAIR, RESTORE OR REPLACE ITEMS DAMAGED WHEN REMOVED TO THE APPROVAL OF THE OWNER. NOTIFY OWNER/ARCHITECT/ENGINEER OF ANY ELECTRICAL EQUIPMENT, OUTLETS AND/OR DEVICES WHICH ARE SCHEDULED TO BE RE-USED THAT ARE FOUND TO BE UNUSABLE.

O. CONTRACTOR SHALL UPDATE PANELBOARD DIRECTORIES AT EACH PANEL WHERE CIRCUIT MODIFICATIONS ARE MADE.

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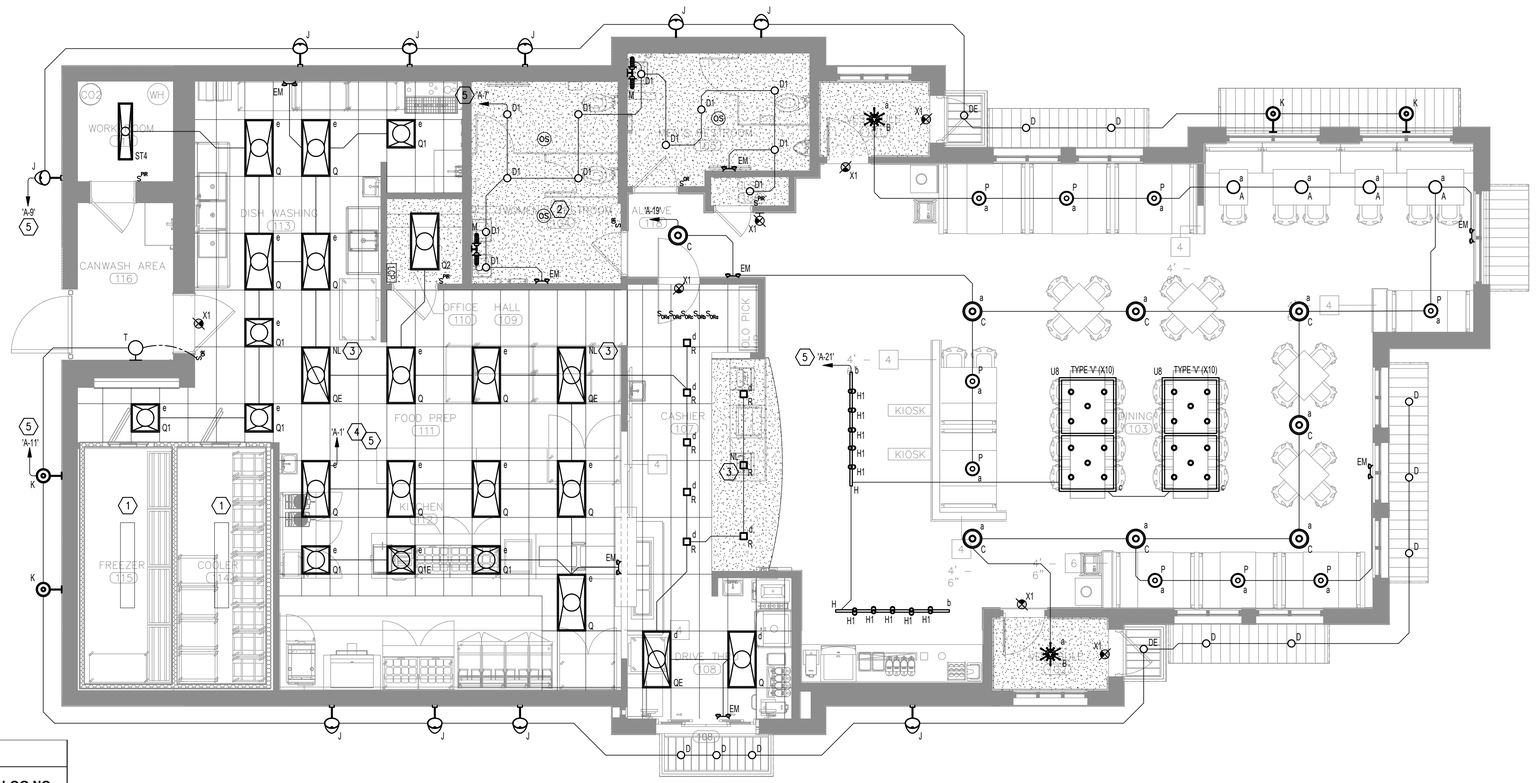
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PROJECT TEAM: MB/CW

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EXISTING/DEMO ELECTRICAL LIGHTING PLAN

E-102



1 PROPOSED ELECTRICAL LIGHTING PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH

PROJECT NORTH

LIGHTING FIXTURE SCHEDULE

TYPE	LAMPS	MOUNTING	MOUNT HEIGHT	VOLTS	WATTS	DESCRIPTION	MANUFACTURER AND CATALOG NO.
A	LED	PENDANT	90" TO BOTTOM	120	9	PENDANT LED FIXTURE	TMS LIGHTING:CUS40035-PENDANT SATCO S9845 LAMP
B	LED	SURFACE	CEILING	120	75	DECORATIVE ENTRY LIGHT PENDANT LED FIXTURE	TMS LIGHTING: CUS40035-CLUSTER WITH 15 - SATCO S21360 LAMPS
C	LED	PENDANT	90" TO BOTTOM	120	9	PENDANT LED FIXTURE	TMS LIGHTING: SC30250-PENDANT SATCO S9845 LAMP
D	LED	RECESSED	CEILING	120	22.58	6" ROUND WET LOCATION LED DOWNLIGHT	COOPER: LD6C209035D101M1H
DE	LED	RECESSED	CEILING	120	22.58	SAME AS FIXTURE TYPE "D" ABOVE BUT WITH 90-MINUTE BATTERY BALLAST.	COOPER: LD6C209035D101M1H-EM14
D1	LED	RECESSED	CEILING	120	16.17	6" ROUND LED DOWNLIGHT	COOPER: LD6C159035D101M1H
EG	LED INCLUDED	WALL	108" A.F.F.	120	0.7	EGRESS LIGHT	SURE LITES: APWR2
H	5000K LED	SURFACE	CEILING	120	0	8' TRACK FOR LED	NUVO: TR123, TP170
H1	3500K LED	TRACK	TRACK	120	6.5	TRACK MOUNTED LED PENDANT	NUVO: 64906/S9581
J	3500K LED	WALL	REF. ARCH PLANS	120	20	EXTERIOR GOOSENECK LED	TMS LIGHTING: SC30250-LD-J-F10
K	3500K LED	WALL	REF. ARCH PLANS	120	19	EXTERIOR WALL MOUNTED GOOSENECK LED	TMS LIGHTING: SC30250-LD-K-F10
M	3500K LED	SURFACE	COORD. W/MIRROR	120	20	BATHROOM VANITY FIXTURE	TMS LIGHTING: SC30250-IN-M-S/S9580
P	LED	SURFACE	CEILING	120	9	PENDANT LED FIXTURE	TMS LIGHTING: CUS40035-WALL SATCO S9845
Q	LED	RECESSED	CEILING	120	41.4	2X4 LED TROFFER	METALUX: 24FP4740C
QE	5000K LED	RECESSED	CEILING	120	41.4	SAME AS FIXTURE TYPE "Q" ABOVE BUT WITH 90-MINUTE BATTERY BALLAST.	METALUX: 24FP4740C-EL14W
Q1	LED	RECESSED	CEILING	120	38.3	2X2 LED TROFFER	METALUX: 22FP4240C
Q1E	5000K LED	RECESSED	CEILING	120	38.3	SAME AS FIXTURE TYPE "Q1" ABOVE BUT WITH 90-MINUTE BATTERY BALLAST.	METALUX: 22FP4240C-EL14W
Q2	LED	SURFACE	CEILING	120	41.4	2X4 LED TROFFER W/SURFACE MOUNT KIT	METALUX: 24FP4740C-FPSURF24
R	3500K LED	RECESSED	CEILING	120	9.5	4" SQUARE RECESSED LED DOWNLIGHT	HALO: SMD4S6927WHDM
ST4	LED	SURFACE	CEILING	120	51	4' LINEAR VAPOR-TIGHT FIXTURE	EATON: 4VT2-LD5-6-DR-UNV-L840-CD1-WL-U
T	LED	WALL	9' A.F.F.	120	34.2	LED CYLINDER WALLPACK W/TYPE IV OPTICS	MCGRAW EDISON: ISC-SA1C-740-U-T4FT-BK CBP-MS/DIM-LXX
X1	LED INCLUDED	UNIVERSAL		120/277	1.3	SINGLE FACE EXIT/EMERGENCY COMBO, UNIVERSAL MOUNTING,	SURE LITES: APCH7R
EM	LED INCLUDED	UNIVERSAL	12" BELOW CLNG TRUSS	120/277	0.3	EMERGENCY LED LIGHT FIXTURE	SURE LITES: APEL
EM2	LED INCLUDED	UNIVERSAL	12" BELOW CLNG TRUSS	120/277	0.3	REMOTE HEAD EMERGENCY LED LIGHT	SURE LITES: APELH2

NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.

KEYED NOTES: (THIS SHEET ONLY)

1. EXISTING LIGHT FIXTURE AND CONTROL IN REFRIGERATION UNIT SALVAGED FROM DEMOLITION.
2. PROVIDE DUAL TECHNOLOGY (PASSIVE AND INFRARED) CEILING MOUNTED OCCUPANCY SENSOR FOR LIGHTING. REFERENCE LIGHTING CONTROL DETAILS, SHEET E-502, FOR ADDITIONAL INFORMATION. (TYPICAL)
3. UNSWITCHED FIXTURE TO BE USED AS NIGHT LIGHT.
4. CONTRACTOR TO VERIFY AVAILABLE CIRCUITS IN PANEL SALVAGED FROM DEMOLITION AND UTILIZE THOSE CIRCUITS AND PROVIDE UPDATED, TYPED PANEL SCHEDULE CARD. (TYPICAL)
5. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL.

GENERAL NOTES: (THIS SHEET ONLY)

A. PROVIDE UNSWITCHED CONDUCTORS IN CIRCUITS SERVING BATTERY POWERED EGRESS LIGHTS AND EXIT SIGNS.

B. ELECTRICAL DRAWINGS SHOW GENERAL LOCATIONS OF LIGHTING FIXTURES ONLY. FOR EXACT LOCATIONS AND SPACING, SEE ARCHITECTURAL DRAWINGS. IF CONTRACTOR DETERMINES THAT THERE IS A DIFFERENCE IN QUANTITY OF FIXTURES SHOWN ON THE ARCHITECTURAL AND ELECTRICAL DRAWINGS, HE SHALL USE THE HIGHER NUMBER OF THE TWO QUANTITIES FOR BIDDING, THEN CONTACT THE DESIGN TEAM FOR FINAL RESOLUTION.

C. LIGHT SWITCHES SHOWN ON PLAN TO BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE.

D. COORDINATE LIGHTING FIXTURE LOCATIONS IN MECHANICAL AND TELECOM EQUIPMENT ROOMS BASED ON ACTUAL EQUIPMENT LAYOUT. REVIEW LAYOUT WITH MECHANICAL AND LOW VOLTAGE CABLING CONTRACTORS PRIOR TO ROUGH-IN.

E. PROVIDE LIGHTING CONTROL SYSTEM WITH ALL NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. LIGHTING CONTROL SYSTEM SHALL INCLUDE ASTRONOMICAL TIMECLOCK SYSTEM, HOUSEKEEPING OVERRIDE "ON" SWITCH CONTROL, AND EMCS CONNECTIVITY. PROVIDE THE FOLLOWING LIGHTING CONTROL SCHEME:

GENERAL NOTES: (THIS SHEET ONLY)

F. DINING AREA:
- F.A. LIGHTING TO BE CONTROLLED BY THE LIGHTING CONTROL PANEL FOR BUILDING TIME OF DAY USE WITH LOCAL WALL MOUNTED SWITCHES FOR OVERRIDE "ON/OFF" CONTROL FUNCTIONS:
- F.B. ONE SWITCH FOR EACH OF THE ZONE CONTROLLED LIGHTING AS SHOWN ON THE PLAN.

G. TYPICAL PRIVATE OFFICE:
- G.A. LIGHTING SHALL BE CONTROLLED BY A LOCAL WALL MOUNTED OCCUPANCY SENSOR WITH MANUAL OVERRIDE "ON/OFF" CAPABILITY.

H. TYPICAL RESTROOM:
- H.A. LIGHTING TO BE CONTROLLED BY THE LIGHTING CONTROL PANEL AND A LOCAL CEILING MOUNTED OCCUPANCY FOR NIGHT TIME USE.

I. FOOD PREP/CASHIER AREA:
- I.A. MINIMUM NIGHT LIGHTING WILL BE PROVIDED IN THESE AREAS BY EMERGENCY EGRESS LIGHTING.
- I.B. OTHER LIGHTING TO BE CONTROLLED BY THE LIGHTING CONTROL PANEL FOR BUILDING TIME OF DAY USE WITH LOCAL WALL MOUNTED SWITH FOR OVERRIDE "ON/OFF" CAPABILITY.

GENERAL NOTES: (THIS SHEET ONLY)

J. EXTERIOR LIGHTING:
- J.A. TO BE CONTROLLED BY THE LIGHTING CONTROL PANEL WITH A PHOTOCELL INPUT, INTERFACED WITH THE BUILDING MANAGEMENT SYSTEM.

K. BUILDING TIME-OF-DAY HOURS TO BE COORDINATED WITH THE OWNER.

L. POWER SUPPLY FOR CEILING MOTION SENSORS SHOULD BE INSTALLED ADJACENT TO ENTRANCE DOOR.

M. PROVIDE FIRE-RATED MATERIAL AROUND ALL PENETRATIONS CREATED BY CONDUITS, CABLE TRAYS, ETC. IN FIRE RATED PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATED AREAS.

N. REFERENCE LIGHT FIXTURE SCHEDULE FOR ADDITIONAL FIXTURE INFORMATION.

LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
PROFESSIONAL ENGINEER
08-16-25

MACK ENGINEERS
REG. NO. F-15042

MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

BIG STAR LAND LLC.

SLIM CHICKENS-ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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PROPOSED ELECTRICAL LIGHTING PLAN

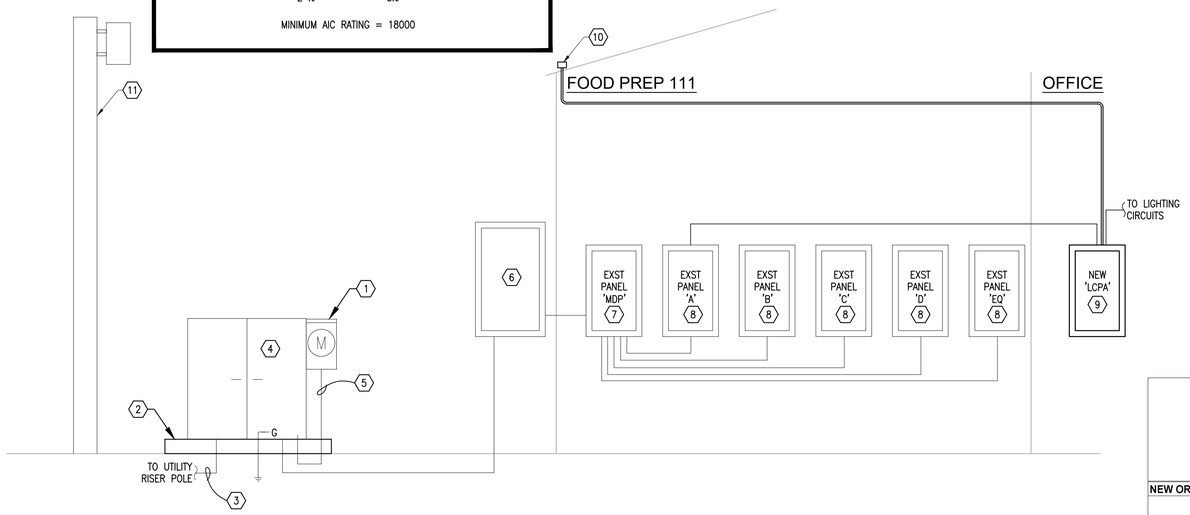
E-102.1

LOW VOLTAGE SHORT CIRCUIT CALCULATIONS

TRANSFORMER AMP (208Y) = $\frac{225 \text{ KVA} \times 1000}{(208\text{V})(\sqrt{3})}$ = 624.556 AMPS

I = $\frac{\text{TRANSFORMER AMPS}}{Z\ \%} = \frac{624.556}{5\%}$ = 12491 AMPS

MINIMUM AIC RATING = 18000



KEYED NOTES: (THIS SHEET ONLY)

1. EXISTING UTILITY METER AT UTILITY TRANSFORMER TO REMAIN.
2. EXISTING UTILITY TRANSFORMER CONCRETE PAD.
3. EXISTING PRIMARY FEED FROM UTILITY TRANSFORMER TO UTILITY RISER POLE TO REMAIN..
4. EXISTING 225KVA UTILITY SERVICE TRANSFORMER TO REMAIN.
5. EXISTING CONDUIT FROM TRANSFORMER TO METER FOR UTILITY METERING TO REMAIN.
6. EXISTING 1200A SERVICE DISCONNECT TO REMAIN. NEUTRAL AND GROUND BOND TO BE AT THIS LOCATION ONLY. CONTRACTOR TO VERIFY GROUNDING RESISTANCE PER NEC 250.53 AND PROVIDE ADDITIONAL GROUND RODS AS REQUIRED IF NOT WITHIN SPECIFICATIONS.
7. EXISTING MAIN SERVICE DISTRIBUTION PANEL 'MDP' TO REMAIN. REFERENCE PANEL SCHEDULE, THIS SHEET, FOR ADDITIONAL INFORMATION.
8. EXISTING ELECTRICAL PANELS SALVAGED FROM DEMOLITION. REFERENCE PANEL SCHEDULES, SHEET E-202, FOR ADDITIONAL INFORMATION.
9. NEW LIGHTING CONTROL PANEL 'LCPA' FOR CONTROL OF BUILDING LIGHTING. REFERENCE SCHEDULE, THIS SHEET, FOR ADDITIONAL INFORMATION.
10. PROVIDE NEW PHOTOCELL FOR CONTROL OF LIGHTING.
11. EXISTING UTILITY SERVICE RISER POLE TO REMAIN.

GENERAL NOTES: (THIS SHEET ONLY)

A. LOCATIONS OF DEVICES ARE DIAGRAMMATICAL. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH-IN.

B. INSTALLATION OF NEW SERVICE EQUIPMENT TO BE BE COORDINATED WITH CPS ENERGY AND COMPLY WITH THE LATEST VERSION OF THE LOCAL UTILITY PROVIDER ELECTRICAL SERVICE STANDARDS.

C. REFERENCE EQUIPMENT CONNECTION SCHEDULE FOR REQUIREMENTS AND ADDITIONAL INFORMATION OF TAGGED EQUIPMENT SHOWN ON PLAN.

D. COORDINATE EXACT LOCATIONS OF MECHANICAL/PLUMBING EQUIPMENT WITH OTHER DISCIPLINES.

E. CONDUIT LINES OF DEVICES ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY CONDITIONS AND CHOOSE APPROPRIATE CONDUIT ROUTING. IN THE EVENT THAT THE APPROXIMATE CONDUIT ROUTING SHOWN ON PLANS IS NOT FEASIBLE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER.

F. COORDINATE DISCONNECT SWITCHES, VFDS AND STARTER LOCATIONS WITH EQUIPMENT INSTALLERS TO MAINTAIN PROPER MAINTENANCE AND CODE CLEARANCES.

G. REFERENCE TRANSFORMER SCHEDULE FOR TRANSFORMER SIZE, K-RATING, FEEDER SIZES, TYPE DISCONNECTING MEANS AND ANY ADDITIONAL INFORMATION REQUIRED.

ANALYSIS OF PROJECTED ELECTRICAL LOAD
Slim Chickens - San Marcos

8/13/2025

BUILDING AREA: 3,600 SF

SERVICE VOLTAGE: 208/120V, 3 Ph., 4W

NEW OR ADDED LOADS

LOAD DESCRIPTION	QUANTITY	UNIT LOAD	UNITS	DEMAND kVA	DEMAND FACTOR	NOTES	CONNECTED LOAD, kVA	NEC LOAD kVA	NEC LOAD AMPERES
GENERAL PURPOSE RECEPTACLES					0.97	2	10.7	10.4	29
INTERIOR LIGHTING	3,600	3.5	VA/ SF	15.8	1.25	3	3.2	15.8	44
EXTERIOR LIGHTING					1.25		8.9	11.1	31
EQUIPMENT					1.00		20.7	20.7	57
FANS					1.25		4.6	5.8	16
SPACE HEATING					1.00	4	0.7	-	-
SPACE COOLING					1.00	4	82.6	82.6	229
KITCHEN, QUANTITY OF COMMERCIAL EQUIPMENT = 6+					0.65	5	96.5	62.7	174
ELEVATORS DIVERSIFIED PER NEC T620.14, QTY = 4					0.85		-	-	-
DOMESTIC WATER HEATER SYSTEMS					1.00	6	13.5	13.5	37
25% OF LARGEST MOTOR					0.25		15.5	3.9	11
CONNECTED NEW LOADS SUBTOTAL							**257**	**226**	**628**
NET SUBTOTAL OF BUILDING AND SITE LIGHTING LOADS								226	628
LOAD GROWTH ALLOWANCE 0%								-	-
TOTAL								**226**	**628**
SERVICE ENTRANCE DESIGN (TRANSFORMER/ MAIN PANEL)								225	**1,200**

NOTES:
1 EXISTING DEMAND LOAD DETERMINED IN ACCORDANCE WITH NEC 220.87
2 DIVERSIFIED PER NEC 220.14
3 UNIT LOADS ARE PER NEC TABLE 220.12
4 THE GREATER OF TOTAL HEATING AND COOLING IS USED, NEC 220-60
5 TEMPERATURE CONTROLLED AND INTERMITTENT USE EQPT, DIVERSIFIED PER NEC 220.56
6 INCLUDES DOMESTIC WATER HEATING EQPT AND ASSOCIATED PUMPS, ETC

LIGHTING CONTROL PANEL LCPA
LEVITON EZ-MAX H RELAY CONTROL PANEL
277/120V FEED THRU

RELAY NO.	TYPE	PANEL	CIRCUIT NO.	LOAD AREA	CONTROLS ON	CONTROLS OFF	MANUAL OVERRIDE ON	MANUAL OVERRIDE OFF
1	20A/1P	'A'	1	FOOD PREP	BMS-TC	BMS-TC	OR	OR
2	20A/1P	'A'	7	RESTROOM	BMS-TC	BMS-TC	OR	COS
3	20A/1P	'A'	9	SO. EXTER.	PC	PC	LOCAL	LOCAL
4	20A/1P	'A'	11	NO. EXTER.	PC	PC	LOCAL	LOCAL
5	20A/1P	'A'	19	DINING	BMS-TC	BMS-TC	OR	OR
6	20A/1P	'A'	21	DINING TRACK	BMS-TC	BMS-TC	OR	OR
7	20A/1P	'A'	29	DT MENU	PC	1HR	LOCAL	LOCAL
8	20A/1P	'A'	31	SIGNAGE	PC	1HR	LOCAL	LOCAL
9	20A/1P	'A'	35	POLE SIGN	PC	1HR	LOCAL	LOCAL
10	20A/1P	'A'	2	SIGNAGE	PC	1HR	LOCAL	LOCAL
11	20A/1P	'A'	4	SIGNAGE	PC	1HR	LOCAL	LOCAL
12	20A/1P	'A'	6	SIGNAGE	PC	1HR	LOCAL	LOCAL
13	20A/2P	'A'	12,14	LIGHTING	BMS-TC	BMS-TC	SWITCH	TIMED
14	20A/2P	'A'	16,18	LIGHTING	BMS-TC	BMS-TC	SWITCH	TIMED
15	20A/1P	'A'	20	LIGHTING	BMS-TC	BMS-TC	SWITCH	TIMED
16	20A/1P	SPARE						
17	20A/1P	SPARE						
18	20A/1P	SPARE						
19	20A/1P	SPARE						
20	20A/1P	SPARE						
21	20A/1P	SPARE						
22	20A/1P	SPARE						
23	20A/1P	SPARE						
24	20A/1P	SPARE						

PC	PHOTOCELL ON/OFF
1HR	SHUT OFF 1 HOUR AFTER BUSINESS CLOSE OR BY MIDNIGHT
BMS-TC	BUILDING MANAGEMENT SYSTEM - TIME OF DAY
OR##	REMOTE MANUAL OVERRIDE SWITCH-REF DRWGS FOR LOCATION
TIMED	AUTOMATIC PROGRAMMABLE TIME-OUT ON OVERRIDE
LOCAL	ON-OFF OVERRIDE CONTROL AT THE PANEL
COS	CEILING MOUNTED OCCUPANCY SENSOR
WDS	WALL DIMMER SWITCH

EXISTING MAIN DISTRIBUTION PANEL 'MDP'

PROJECT : Slim Chickens - San Marcos — MAIN CIRCUIT BREAKER : — ENCLOSURE : NEMA 4X
PROJECT # : 0009-25 — MAIN LUGS ONLY : 1200A — MOUNTING : SURFACE
LOCATION : KITCHEN WALL — BUSSING : 1200A — CB TYPE : BOLT-ON
NOTES : — VOLTAGE : 208/120V, 3PH, 4W — PROVIDE : NEUTRAL BUS
INTERRUPTING : 65 kAIC RMS SYM — GROUND BUS

0 RCPT 1 INT LTG 2 EXT LTG 3 EQPT 4 FANS 5 HEAT 6 A/C 7 KITCH 8 ELEV 9 EWH

CKT	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	TYPE	PH	TYPE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	CKT
1	400	3	PANEL 'C'	24,196	-	A	-	11,204	PANEL 'B'	250	3	6
				23,729	-	B	-	12,740				
				24,168	-	C	-	10,876				
2	400	3	PANEL 'EQ'	28,224	-	A	-	11,264	PANEL 'D'	250	3	7
				28,224	-	B	-	12,444				
				28,224	-	C	-	9,296				
3	50	3	BUSSED SPACE ONLY			A	-	6,348	PANEL 'A'	250	3	8
						B	-	3,074				
						C	-	7,426				
4	225	3	BUSSED SPACE ONLY			A			BUSSED SPACE ONLY	225	3	9
						B						
						C						
5	225	3	BUSSED SPACE ONLY			A			BUSSED SPACE ONLY	225	3	10
						B						
						C						

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN	TOTAL DEMAND VA	TOTAL DEMAND AMPS	NOTES :
PHASE A	-	81,236	-	81,236	72,061	601	
PHASE B	-	80,211	-	80,211	71,152	593	
PHASE C	-	79,991	-	79,991	70,957	591	
TOTAL	-	241,439	-	241,439	214,169	595	REVISIONS:

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MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

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LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS — MICHAEL WASHINGTON — 111774 — LICENSED PROFESSIONAL ENGINEER — 08-16-25

MACK ENGINEERS
REG. NO. F-15042

BIG STAR LAND LLC.

SLIM CHICKENS- ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES

E-201

EXISTING PANEL 'A'

PROJECT : Slim Chickens - San Marcos MAIN CIRCUIT BREAKER : ENCLOSURE : NEMA 4X
PROJECT # : 0009-25 MAIN LUGS ONLY : 225A MOUNTING : SURFACE
LOCATION : KITCHEN WALL BUSSING : 225A CB TYPE : BOLT-ON
NOTES : VOLTAGE : 208/120V, 3PH, 4W PROVIDE : NEUTRAL BUS
INTERRUPTING : 18kAIC GROUND BUS

0	RCPT	5	HEAT
1	INT LTG	6	A/C
2	EXT LTG	7	KITCH
3	EQPT	8	ELEV
4	FANS	9	EWH

CKT	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	TYPE	PH	TYPE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	CKT
1	20	1	**FOOD PREP 111/CASHIER 107 - LTG**	995	1	A	2	1,200	SIGNAGE	20	1	2
3	20	1	BUSSED SPACE			B	2	1,200	SIGNAGE	20	1	4
5	40	1	UPS PV	2,200	3	C	2	1,200	SIGNAGE	20	1	6
7	20	1	**RESTROOM LTG**	314	1	A			BUSSED SPACE	20	1	8
9	20	1	**SOUTH EXTERIOR BLDG LIGHTING**	374	1	B			BUSSED SPACE	20	1	10
11	20	1	**NORTH EXTERIOR BLDG LIGHTING**	226	1	C	2	300	LIGHTING	20	2	12
13	20	1	**'LCPA' POWER**	500	3	A	2	300				14
15	20	1	BUSSED SPACE			B	2	300	LIGHTING	20	2	16
17	20	1	**SPARE**			C	2	300				18
19	20	1	**DINING 103 - LTG**	339	1	A	2	500	LIGHTING	20	1	20
21	20	1	**DINING 103 - TRACK LTG**	1,000	1	B			BUSSED SPACE	20	1	22
23	20	1	BUSSED SPACE			C			BUSSED SPACE	20	1	24
25	20	1	HOOD LIGHT	1,000	7	A			BUSSED SPACE	20	1	26
27	20	1	BUSSED SPACE			B	0	200	RECEPTACLE	20	1	28
29	20	1	DRIVE THRU MENU SIGNAGE	1,200	2	C			BUSSED SPACE	20	1	30
31	20	1	SIGNAGE	1,200	2	A			BUSSED SPACE	20	1	32
33	20	1	BUSSED SPACE			B			BUSSED SPACE	20	1	34
35	20	1	POLE SIGN	1,200	2	C			BUSSED SPACE	20	1	36
37	20	1	BUSSED SPACE			A			BUSSED SPACE	20	1	38
39	20	1	BUSSED SPACE			B			BUSSED SPACE	20	1	40
41	15	1	CP400 TIME CLOCK	500	3	C	3	300	SHUNT TRIP POWER	20	1	42

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN	TOTAL DEMAND VA	TOTAL DEMAND AMPS	NOTES :
PHASE A	6,348	-	-	6,348	7,360	61	
PHASE B	3,074	-	-	3,074	3,564	30	
PHASE C	7,426	-	-	7,426	8,611	72	
TOTAL	16,849	-	-	16,849	19,536	54	REVISIONS:

MaCK Engineers v2.0 - April-15

EXISTING PANEL 'B'

PROJECT : Slim Chickens - San Marcos MAIN CIRCUIT BREAKER : ENCLOSURE : NEMA 4X
PROJECT # : 0009-25 MAIN LUGS ONLY : 225A MOUNTING : SURFACE
LOCATION : KITCHEN WALL BUSSING : 225A CB TYPE : BOLT-ON
NOTES : VOLTAGE : 208/120V, 3PH, 4W PROVIDE : NEUTRAL BUS
INTERRUPTING : 18kAIC GROUND BUS

0	RCPT	5	HEAT
1	INT LTG	6	A/C
2	EXT LTG	7	KITCH
3	EQPT	8	ELEV
4	FANS	9	EWH

CKT	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	TYPE	PH	TYPE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	CKT
1	20	1	FIRE SUPPRESSION SYSTEM	500	3	A	**7**	**780**	**LEMONADE '45.2A / DISPENSER '48.2'**	**20**	**1**	2
3	**20**	**1**	**BAG-N-BOX CARBONATOR '34'**	**1,200**	**7**	B	**7**	**1,188**	**SANDWICH FRIDGE '57'**	**20**	**1**	4
5	**20**	**1**	**DISPENSER '42.2' / LEMONADE '45.2B/C**	**1,140**	**7**	C			BUSSED SPACE	20	1	6
7				100	7	A	**7**	**1,884**	**AIR CURTAIN '60'**	**20**	**1**	8
9	20	3	WALK-IN COOLER EVAP	100	7	B	**7**	**1,656**	**MICROWAVE OVEN '62'**	**20**	**1**	10
11				100	7	C	**7**	**360**	**WALL MONITORS/TIMER '106 A/B'**	**20**	**1**	12
13				100	7	A	**7**	**540**	**CEILING RECPT 'M15/M16'**	**20**	**1**	14
15	20	3	WALK-IN FREEZER EVAP	100	7	B	**7**	**540**	**CEILING RECPT 'M17/M18'**	**20**	**1**	16
17				100	7	C	**7**	**360**	**CASHIER 107 - MENU BOARDS**	**20**	**1**	18
19	20	1	BUSSED SPACE			A	**7**	**360**	**DINE-IN PRINTER/EXPO**	**20**	**1**	20
21	20	1	DOOR CHIME	200	3	B	**7**	**360**	**CASHIER 107 - CNTR RECPT**	**20**	**1**	22
23				1,700	7	C	**7**	**360**	**DT PRINTER/EXPO**	**20**	**1**	24
25	20	3	WALK-IN COOLER CONDENSOR	1,700	7	A	**7**	**360**	**CASHIER 107 - DT CASH/OT**	**20**	**1**	26
27				1,700	7	B	**7**	**360**	**CASHIER 107 - DT TIMER/DRINK**	**20**	**1**	28
29				3,500	7	C	**7**	**360**	**DINING 103 - KIOSK A/B**	**20**	**1**	30
31	20	3	WALK-IN FREEZER CONDENSOR	3,500	7	A	**0**	**180**	**OFFICE - RECPT**	**20**	**1**	32
33				3,500	7	B	**0**	**180**	**OFFICE - RECPT**	**20**	**1**	34
35	20	1	WALK-IN COOLER LTS & DOOR HTR	700	7	C	**0**	**540**	**DINING 103 - TV RECPT**	**20**	**1**	36
37	20	1	WALK-IN FREEZER LTS & DOOR HTR	700	7	A	**0**	**500**	**DEDICATED COMM RECPT**	**20**	**1**	38
39	**20**	**1**	**TEA BREWER '45A'**	**1,656**	**7**	B			**SPARE**	20	1	40
41	**20**	**1**	**TEA BREWER '45B'**	**1,656**	**7**	C			**SPARE**	20	1	42

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN	TOTAL DEMAND VA	TOTAL DEMAND AMPS	NOTES :
PHASE A	11,204	-	-	11,204	7,519	63	
PHASE B	12,740	-	-	12,740	8,550	71	
PHASE C	10,876	-	-	10,876	7,299	61	
TOTAL	34,820	-	-	34,820	23,368	65	REVISIONS:

MaCK Engineers v2.0 - April-15

EXISTING PANEL 'C'

PROJECT : Slim Chickens - San Marcos MAIN CIRCUIT BREAKER : ENCLOSURE : NEMA 4X
PROJECT # : 0009-25 MAIN LUGS ONLY : 400A MOUNTING : SURFACE
LOCATION : KITCHEN WALL BUSSING : 400A CB TYPE : BOLT-ON
NOTES : VOLTAGE : 208/120V, 3PH, 4W PROVIDE : NEUTRAL BUS
INTERRUPTING : 18kAIC GROUND BUS

0	RCPT	5	HEAT
1	INT LTG	6	A/C
2	EXT LTG	7	KITCH
3	EQPT	8	ELEV
4	FANS	9	EWH

CKT	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	TYPE	PH	TYPE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	CKT
1	20	1	RECEPTACLE	200	0	A	6	2,600				2
3	20	1	BUSSED SPACE			B	6	2,600	MAU-COND-1	30	3	4
5	20	1	HOOD LTS, ELECTRONIC TIMER	1,000	7	C	6	2,600				6
7	**25**	**2**	**CONVEYOR TOASTER '4.1'**	**2,400**	**7**	A	6	1,300				8
9				**2,400**	**7**	B	6	1,300	MAU-COND-2	20	3	10
11				**516**	**7**	C	6	1,300				12
13	**20**	**2**	**DROP-IN FOOD UNIT '9.1'**	**516**	**7**	A	6	600	MAU-CTR	15	1	14
15				**3,000**	**7**	B	**7**	**1,320**	**WAFFLE BAKER '6A'**	**20**	**1**	16
17	**35**	**3**	**COUNTER GRIDDLE '5'**	**3,000**	**7**	C	**7**	**1,320**	**WAFFLE BAKER '6B'**	**20**	**1**	18
19				**3,000**	**7**	A	**7**	**1,908**	**ICE MACHINE '42'**	**20**	**2**	20
21	**20**	**2**	**DROP-IN FOOD UNIT '15.1A'**	**980**	**7**	B	**7**	**1,908**				22
23				**980**	**7**	C	**7**	**1,908**	**ICE MACHINE '48'**	**20**	**2**	24
25	**20**	**2**	**DROP-IN FOOD UNIT '15.1B'**	**980**	**7**	A	**7**	**1,908**				26
27				**980**	**7**	B	**7**	**1,440**	**SHAKE MACHINE '58'**	**20**	**2**	28
29	**20**	**1**	**TORTILLA PRESS '4'**	**2,100**	**7**	C	**7**	**1,440**				30
31				**3,900**	**7**	A	**7**	**1,164**				32
33	**80**	**3**	**FOUR BANK FAT FRYER "1.3A"**	**3,900**	**7**	B	**7**	**1,044**	**FOUR BANK FAT FRYER "1.3B"**	**80**	**3**	34
35				**3,900**	**7**	C	**7**	**996**				36
37				**2,280**	**7**	A	**7**	**1,440**	**PRODUCT HOLDING UNIT '13'**	**20**	**1**	38
39	**25**	**3**	**MULTI-COOK OVEN '107'**	**2,280**	**7**	B	**7**	**576**	**CNTRTOP FRIDGE '21' / CASHIER RECP**	**20**	**1**	40
41				**2,280**	**7**	C	**7**	**828**	**FRIDGE '29' / FREEZER '88'**	**20**	**1**	42

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN	TOTAL DEMAND VA	TOTAL DEMAND AMPS	NOTES :
PHASE A	24,196	-	-	24,196	17,196	143	
PHASE B	23,729	-	-	23,729	16,864	141	
PHASE C	24,168	-	-	24,168	17,176	143	
TOTAL	72,094	-	-	72,094	51,236	142	REVISIONS:

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EXISTING PANEL 'D'

PROJECT : Slim Chickens - San Marcos MAIN CIRCUIT BREAKER : ENCLOSURE : NEMA 4X
PROJECT # : 0009-25 MAIN LUGS ONLY : 225A MOUNTING : SURFACE
LOCATION : KITCHEN WALL BUSSING : 225A CB TYPE : BOLT-ON
NOTES : VOLTAGE : 208/120V, 3PH, 4W PROVIDE : NEUTRAL BUS
INTERRUPTING : 18kAIC GROUND BUS

0	RCPT	5	HEAT
1	INT LTG	6	A/C
2	EXT LTG	7	KITCH
3	EQPT	8	ELEV
4	FANS	9	EWH

CKT	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	TYPE	PH	TYPE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	CKT
1	20	1	HVAC CONTROL PANEL	200	3	A			BUSSED SPACE	20	1	2
3	20	1	RECEPT	700	0	B	0	400	RECEPT	20	1	4
5	20	1	RECEPT	500	0	C	0	200	RECEPT	20	1	6
7	20	1	**BREADING '7' / WARMING '108'**	**1,164**	**7**	A	0	400	RECEPT	20	1	8
9	20	1	**FRIDGE '11' / CURTAIN '60' / FRIDGE '86**	**1,044**	**7**	B	0	400	RECEPT	20	1	10
11	20	1	**FRIDGE '11.1' / COLD WELL '56.1'**	**996**	**7**	C	0	400	RECEPT	20	1	12
13	20	1	RECEPT	700	0	A	0	700	RECEPT	20	1	14
15	20	1	RECEPT	900	0	B	4	1,200				16
17	20	1	RECEPT	1,100	0	C	4	1,200	KEF-1/KEF-2	20	3	18
19	20	1	RECEPT	900	0	A	4	1,200				20
21	20	1	BUSSED SPACE			B	4	500	KEF CONTROL	20	1	22
23	20	1	SPARE			C			**SPARE**	**20**	**2**	24
25	20	1	TEL BACKBOARD	1,000	0	A						26
27	20	1	RECEPT	200	0	B	5	700	WALL HEATER	20	1	28
29	20	1	BUSSED SPACE			C			EXISTING 'WH-1'			30
31	20	1	WHRP-1	500	3	A	9	4,500		125*	6	32
33	20	1	GREASE RECOVERY SYS	1,400	3	B	9	4,500	EXISTING 'WH-1'			34
35	20	1	RECEPT	400	0	C	9	4,500				36
37	20	1	BUSSED SPACE			A			EXISTING 'WH-1'			38
39	20	1	EF-1	500	4	B						40
41	20	1	BUSSED SPACE			C			SPARE	20	1	42

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN	TOTAL DEMAND VA	TOTAL DEMAND AMPS	NOTES :
PHASE A	11,264	-	-	11,264	12,426	104	*BREAKERS TIED TOGETHER IN PANEL TO FORM A 6-POLE BREAKER
PHASE B	12,444	-	-	12,444	13,727	114	
PHASE C	9,296	-	-	9,296	10,255	85	
TOTAL	33,004	-	-	33,004	36,408	101	REVISIONS:

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EXISTING PANEL 'EQ'

PROJECT : Slim Chickens - San Marcos MAIN CIRCUIT BREAKER : ENCLOSURE : NEMA 4X
PROJECT # : 0009-25 MAIN LUGS ONLY : 400A MOUNTING : SURFACE
LOCATION : KITCHEN WALL BUSSING : 400A CB TYPE : BOLT-ON
NOTES : VOLTAGE : 208/120V, 3PH, 4W PROVIDE : NEUTRAL BUS
INTERRUPTING : 18kAIC GROUND BUS

0	RCPT	5	HEAT
1	INT LTG	6	A/C
2	EXT LTG	7	KITCH
3	EQPT	8	ELEV
4	FANS	9	EWH

CKT	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	TYPE	PH	TYPE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	CKT
1				4,800	3	A	6	5,760				2
3	100	3	EXISTING CENTERLINE TABLE	4,800	3	B	6	5,760	EXISTING 'RTU-1'	80	3	4
5				4,800	3	C	6	5,760				6
7	20	1	BUSSED SPACE			A	6	5,760				8
9	20	1	BUSSED SPACE			B	6	5,760	EXISTING 'RTU-2'	80	3	10
11	20	1	BUSSED SPACE			C	6	5,760				12
13	20	1	BUSSED SPACE			A	6	5,952				14
15	20	1	BUSSED SPACE			B	6	5,952	EXISTING 'RTU-3'	80	3	16
17	20	1	BUSSED SPACE			C	6	5,952				18
19	20	1	BUSSED SPACE			A	6	5,952				20
21	20	1	BUSSED SPACE			B	6	5,952	EXISTING 'RTU-4'	80	3	22
23	20	1	BUSSED SPACE			C	6	5,952				24
25	20	1	BUSSED SPACE			A			BUSSED SPACE	20	1	26
27	20	1	BUSSED SPACE			B			BUSSED SPACE	20	1	28
29	20	1	BUSSED SPACE			C			BUSSED SPACE	20	1	30

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN	TOTAL DEMAND VA	TOTAL DEMAND AMPS	NOTES :
PHASE A	28,224	-	-	28,224	28,224	235	
PHASE B	28,224	-	-	28,224	28,224	235	
PHASE C	28,224	-	-	28,224	28,224	235	
TOTAL	84,672	-	-	84,672	84,672	235	REVISIONS:

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CONTRACTOR TO VERIFY CIRCUITS REMOVED DURING DEMOLITION AND UTILIZE SALVAGED CIRCUITS AND ANY EXISTING SPARES AND BUSSED SPACE AVAILABLE IN THE PANELS. CONTACT ENGINEER IF QUANTITIES SHOWN ARE NOT AVAILABLE FOR CIRCUITS TO BE CONNECTED. PROVIDE NEW TYPED PANEL DIRECTORY FOR EACH MODIFIED PANEL.

NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.

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123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
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WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
PROFESSIONAL ENGINEER
08-16-25

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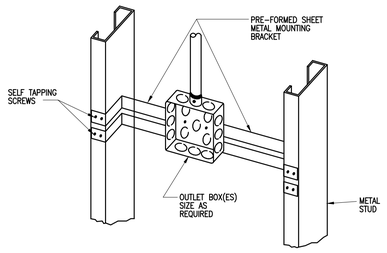
#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/GW

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ELECTRICAL SCHEDULES

E-202

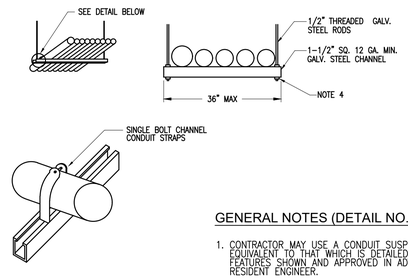


GENERAL NOTES (DETAIL NO. 1 ONLY)

1. CONDUITS SHALL BE SUPPORTED PER NEC 358.30(A).
2. THIS DETAIL TO BE USED FOR ALL OUTLET AND DEVICE BOX INSTALLATIONS NOT INCLUDED IN OTHER DETAILS. IF DEPTH OF BOX EXCEEDS 2-1/2", PROVIDE SUPPORT BRACKET SIMILAR TO AND EQUAL IN STRENGHT TO THE ONE SPECIFIED.

1 BOX MOUNTING DETAIL

Scale: Not-to-Scale

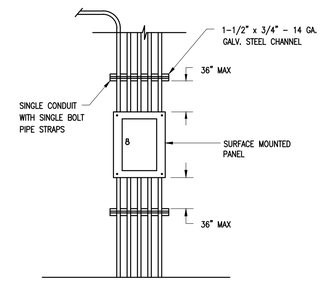


GENERAL NOTES (DETAIL NO. 2 ONLY)

1. CONTRACTOR MAY USE A CONDUIT SUSPENSION SYSTEM EQUIVALENT TO THAT WHICH IS DETAILED, HAVING THE FEATURES SHOWN AND APPROVED IN ADVANCED BY THE RESIDENT ENGINEER.
2. PROVIDED A SAMPLE SUPPORT SYSTEM TO KEEP ON JOB SITE FOR CONSTRUCTION GUIDE PURPOSES.
3. CONDUIT SUSPENSION SYSTEM SHALL BE INDEPENDENT OF ANY OTHER SUSPENSION SYSTEM.
4. PROVIDE NUT, LOCKNUT AND CUT ROD 1" FROM LOCKNUT, PROVIDE CAPNUT ON END OF ROD.

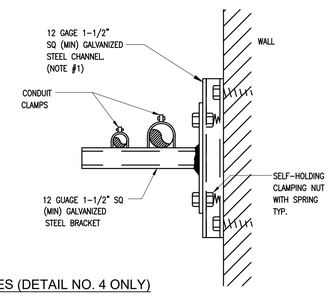
2 CONDUIT HANGER DETAIL

Scale: Not-to-Scale



3 CONDUIT SUPPORT DETAIL

Scale: Not-to-Scale

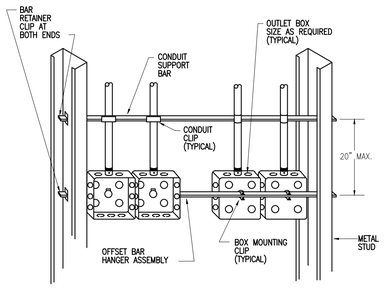


GENERAL NOTES (DETAIL NO. 4 ONLY)

1. SECURE TO WALL WITH PLATED BOLTS USING METHODS DESCRIBED IN SPECIFICATION SECTION 16111. (CONDUIT SYSTEMS)

4 CONDUIT SUPPORT DETAIL

Scale: Not-to-Scale

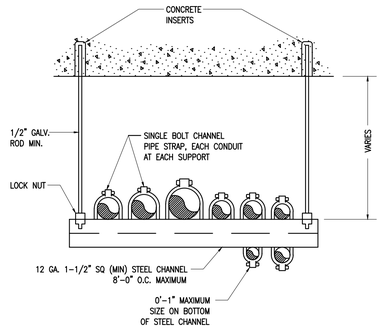


GENERAL NOTES (DETAIL NO. 5 ONLY)

1. CONDUITS SHALL BE SUPPORTED PER NEC 358.30(A).
2. THIS DETAIL TO BE USED ONLY WHERE SWITCHES, RECEPTACLES OR OUTLETS ARE SHOWN IN THE SAME LOCATION ON BOTH SIDES OF A WALL OR PARTITION. DO NOT USE WHERE SWITCHES, RECEPTACLES OR OUTLETS ARE SHOWN ONLY ON ONE SIDE OF WALL OR PARTITION.

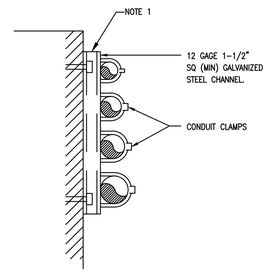
5 BOX MOUNTING DETAIL

Scale: Not-to-Scale



6 MULTIPLE CONDUIT SUPPORT DETAIL

Scale: Not-to-Scale

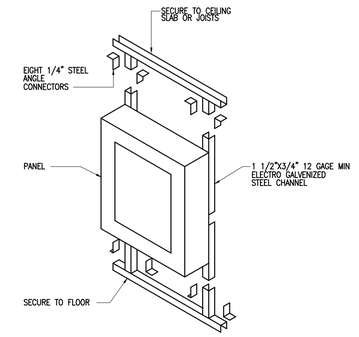


GENERAL NOTES (DETAIL NO. 7 ONLY)

1. SECURE TO WALL WITH PLATED BOLTS USING METHODS DESCRIBED IN SPECIFICATION SECTION 26111. (CONDUIT SYSTEMS)

7 WALL MOUNTED CONDUIT DETAIL

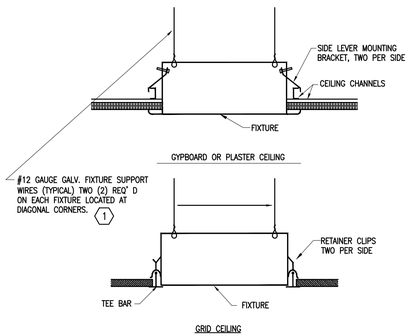
Scale: Not-to-Scale



FOR DRYWALL INSTALLATION

8 PANELBOARD SURFACE MTG. DETAIL

Scale: Not-to-Scale



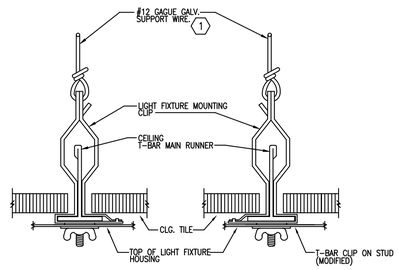
GRID CEILING

KEYED NOTES: (DETAIL NO. 9 ONLY)

1. FIXTURE SUPPORT WIRES SHALL BE IN ADDITION TO AND INDEPENDENT FROM CEILING SUPPORT WIRES.

9 RECESSED FIXTURE MOUNTING DETAIL

Scale: Not-to-Scale



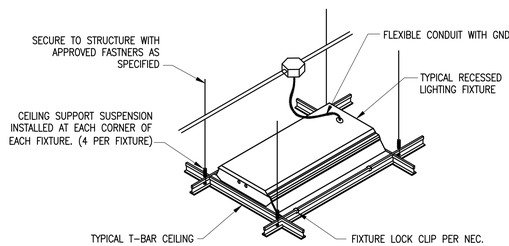
FOR SURFACE MOUNTING OF LIGHT FIXTURES BELOW SUSPENDED T-BAR CEILINGS.

KEYED NOTES: (DETAIL NO. 10 ONLY)

1. FIXTURE SUPPORT WIRES SHALL BE IN ADDITION TO AND INDEPENDENT FROM CEILING SUPPORT WIRES.

10 SURFACE FIXTURE MOUNTING DETAIL

Scale: Not-to-Scale



11 RECESSED FIXTURE MOUNTING DETAIL

Scale: Not-to-Scale

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TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

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MICHAEL WASHINGTON
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#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

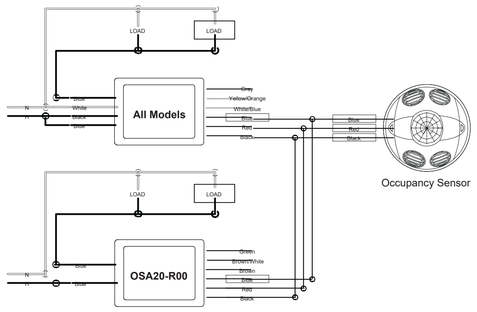
PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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ELECTRICAL DETAILS

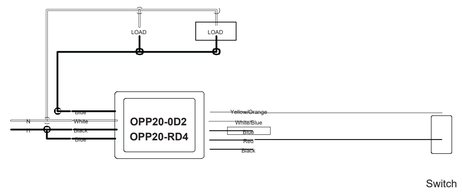
E-301

Dual Circuit with the “Add-a-relay” device



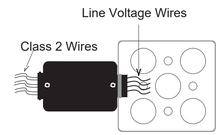
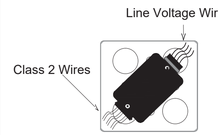
NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

Local Switch ONLY

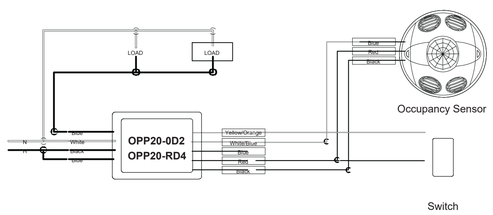


NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

JUNCTION BOX INSTALLATION

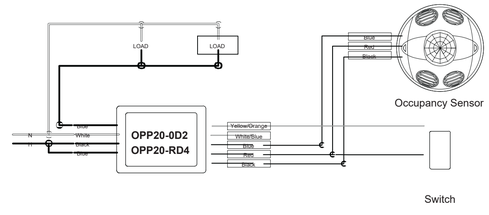
Figure 1	Figure 2
	
Mounts outside junction box	Mounts inside junction box

Manual ON/Auto OFF with Local Switch



NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

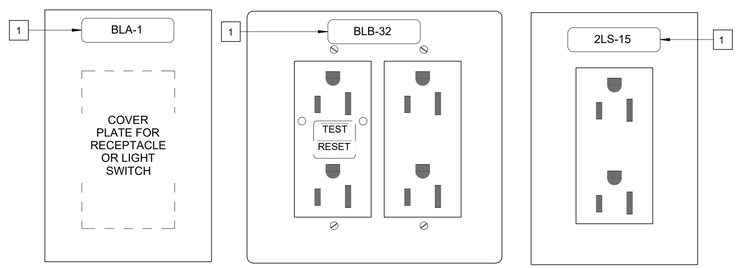
Auto ON/Auto OFF with Local Switch



NOTE: Power Pack and the load switched by the power pack MUST be fed from the same phase.

1 TYPICAL LIGHTING CONTROL DETAILS

Scale: Not-to-Scale



KEYED NOTES:

1 PROVIDE LABELS FOR LIGHT SWITCH AND RECEPTACLE COVER PLATES INDICATING THE PANELVOARD AND THE SUPPLY BRANCH CIRCUIT NUMBER. ALL LABELS SHALL BE TYPED. TEXT SHALL BE THERMAL SET, 12 OR 14 POINT PLAIN OR BLOCK STYLE FONT. ALL ENGRAVED INFORMATION SHALL HAVE A BLACK FINISH.

ADDITIONAL DEVICES TO BE LABELD:

(RE: KEYED NOTE 1)
PROVIDE LABELS FOR THE FOLLOWING ADDITIONAL DEVICES:

- TOGGLE TYPE LOAD DISCONNECT SWITCHES FOR DIRECT CONNECTED LOADS.
- OUTLET BOXES FOR DIRECT CONNECTED LOADS
- OUTLET BOXES FOR DIRECT CONNECT LOADS WHICH DO NOT REQUIRE LOCAL DISCONNECTS.

ELECTRICAL DEVICE IDENTIFICATION SCALE: NONE

NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.

MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
PROFESSIONAL ENGINEER
08-16-25

MACK ENGINEERS
REG. NO. F-15042

BIG STAR LAND LLC.

SLIM CHICKENS-ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

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ELECTRICAL DETAILS

E-302

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
	W	UNDERFLOOR FOR WASTE OR SOIL, SUBSOIL, STORM & FORCE MAIN
SD	SD	SUBSOIL DRAIN LINE
	W	WASTE OR SEWER PIPING
	CWV	COMBINATION WASTE AND VENT
	GW	GREASE WASTE
	V	VENT PIPING
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
TW	TW	TEMPERED WATER
CS	CS	COLD SOFT WATER
MV	MV	MEDICAL VACUUM
NP	NP	NON-POTABLE WATER
MA	MA	MEDICAL COMPRESSED AIR
O2	O2	OXYGEN
FW	FW	FILTERED WATER
	G	NATURAL GAS PIPING
	FW	FILTERED WATER PIPING
	RD	ROOF DRAIN LEADER
	OD	ROOF OVERFLOW DRAIN LEADER
	D./C.D.	INDIRECT OR CONDENSATE DRAIN
	–	PIPE RISE
	–	PIPE DROP
	–	PIPE DROP UNDER A HORIZONTAL PIPE
	–	PIPE CAP
	–	PIPE BREAK
	GV	GATE VALVE
	BV	BALL VALVE
	CV	CHECK VALVE
	PV	PLUG VALVE
	SV	SOLENOID VALVE
BV	–	BALANCING VALVE
	PNV	PNEUMATIC VALVE
	BFV	BUTTERFLY VALVE
	–	UNION
	–	REDUCER
	HB	HOSE BIBB
	GPR	GAS PRESSURE REGULATOR
	F	FIRE SPRINKLER PIPING
FS	FS	FLOOR SINK
	FD	FLOOR DRAIN
	FCO/SCO	FLOOR OR SURFACE CLEANOUT
	WCO	WALL CLEANOUT
	RD/OD	ROOF DRAIN/ OVERFLOW DRAIN
	VTR	VENT THRU ROOF
TP	TP	TRAP PRIMER
WHA	WHA	WATER HAMMER ARRESTOR
	PDP	POSITIVE DISPLACEMENT PUMP
	CP	CENTRIFUGAL PUMP

PLUMBING SPECIFICATIONS

NOTE: ALL SPECIFICATIONS MAY NOT APPLY

NOTICE TO OWNERS, ARCHITECTS AND CONTRACTORS REGARDING PRICING ESTIMATES
1. UNDER NO CIRCUMSTANCES SHALL THESE DRAWINGS BE "FINAL" OR "HARD BID" UNTIL THE PROJECT IS FULLY PERMITTED.
2. ALL PRELIMINARY PRICING EFFORTS SHALL BE CONSIDERED AS ESTIMATES ONLY AND SHALL INCLUDE SUCH CONTINGENCIES, ALLOWANCES, ALTERNATIVES, ETC. TO ACCOUNT FOR MODIFICATIONS AND ADDITIONS THAT WILL OCCUR TO THE DRAWINGS DURING FINALIZATION OF THE DESIGN AND PERMITTING PROCESS.

SCOPE OF WORK
1. ALL WORK REQUIRED CONSISTS OF PERFORMING ALL LABOR AND FURNISHING ALL MATERIALS, FIXTURES AND EQUIPMENT REQUIRED TO PROVIDE COMPLETE PLUMBING INSTALLATIONS AS INDICATED ON THE DRAWINGS. IT SHALL FURTHER INCLUDE FURNISHING AND INSTALLING ALL MISCELLANEOUS ITEMS REQUIRED FOR THE OPERATION OF THE SYSTEMS, WHETHER SPECIFICALLY CALLED FOR OR NOT. CONNECT ALL EQUIPMENT FURNISHED UNDER OTHER TRADES AS REQUIRED. DETERMINE IN ADVANCE THE SHUT-DOWN OF EXISTING UTILITIES.
2. EXACT LOCATION OF PLUMBING FIXTURES SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS.
3. SPECIAL INSPECTIONS: WHERE THE PLANS INDICATE SPECIAL INSPECTIONS AND REPORT, OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, HIRE AN INDEPENDENT THIRD PARTY INSPECTOR OR TESTING AGENCY TO PERFORM THE REQUIRED INSPECTIONS FOR THE TYPES OF WORK REQUIRED OR IDENTIFIED ON THE SPECIAL INSPECTION FORM. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE REGISTERED DESIGN PROFESSIONAL ENGINEER, PROVIDING TEST RESULTS AND STATING WHETHER THE ITEMS REQUIRING SPECIAL INSPECTION WERE IN COMPLIANCE WITH THE INSPECTION REQUIREMENTS. PROVIDE ADDITIONAL COST FOR ENGINEER'S SEALED LETTER OF APPROVAL.

CODES
1. ALL MATERIALS, EQUIPMENT AND INSTALLATION MUST COMPLY WITH ALL APPLICABLE LAWS, CODES, RULES, AND REGULATIONS, REQUIRED BY CITY, COUNTY, STATE, AND FEDERAL AGENCIES.

PERMITS
1. THIS CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES AND FEES REQUIRED BY STATE AND LOCAL AUTHORITIES.
2. COMBUSTIBLE MATERIALS SHALL NOT BE USED IN A NON-COMBUSTIBLE CONSTRUCTION TYPE BUILDING AS DEFINED BY THE BUILDING CODE. COMBUSTIBLE MATERIALS SHALL BE PROTECTED AS SPECIFIED BY THE ENGINEER AND ARCHITECT OF RECORD.

INSPECTION
1. FURNISH OWNER WITH CERTIFICATE OF INSPECTION AND APPROVAL BY LOCAL AUTHORITIES PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL WORK MUST BE INSPECTED.

EXISTING CONDITIONS
1. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL UTILITIES PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL VISIT THE SITE AND INSPECT THE WORK TO BE PERFORMED, IN ADDITION TO WHAT IS SHOWN HEREIN, AND INCLUDE IN BID AN AMOUNT TO DO SUCH WORK.
2. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW WASTE LINES ARE TO BE CONNECTED BEFORE MAKING UP OR INSTALLATION OF NEW SYSTEM.
3. PRIOR TO COMMENCING WORK, PLUMBING CONTRACTOR SHALL CLEAN, TEST AND INSPECT ALL EXISTING ABOVE AND BELOW GROUND SEWER LINES TO INSURE THAT EXISTING SEWER PIPING IS IN SATISFACTORY WORKING CONDITION. CONTRACTOR SHALL REPORT ANY DEFECTS/DEFICIENCIES TO OWNER/ARCHITECT IMMEDIATELY. SUBMIT ADDENDUM BID TO ACCOMMODATE ANY REPAIR/REPLACEMENTS AS REQUIRED.
4. CONTRACTOR SHALL NOT CUT HOLES IN STRUCTURAL MEMBERS WITHOUT FIRST SECURING WRITTEN APPROVAL FROM THE ARCHITECT.

SHOP DRAWING SUBMITTALS
1. PRIOR TO PROCUREMENT, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW FOR ALL EQUIPMENT, INCLUDING THE FOLLOWING:
   A. DOMESTIC WATER, GAS, SANITARY AND STORM PIPING AND FITTINGS.
   B. BALL, BUTTERFLY VALVES, PRESSURE REDUCING VALVES AND SOLENOID VALVES.
   C. THERMAL INSULATION.
   D. WATER HEATERS AND PUMPS.
   E. OIL AND GREASE INTERCEPTORS.

MATERIALS

WATER PIPING:
1. ALL PIPING SHALL CONFORM TO THE REQUIREMENTS OF THE ANSI SAFETY CODE AND BE FREE FROM ALL DEFECTS AND BE PROPERLY IDENTIFIED.
2. ABOVE GROUND SHALL BE:
   2.1. TYPE "L" OR TYPE "M" HARD DRAWN COPPER TUBING CONFORMING TO ASTM B 88.
3. BELOW GROUND: (INSTALLED IN CONCRETE OR UNDER CONCRETE) TYPE "K" SOFT DRAWN COPPER TUBING, CONFORMING TO ASTM B 88-72, SPIRALLY WRAP PIPING BELOW GRADE OR FLOORS WITH 3 LAYERS OF 20 MIL POLYETHYLENE TAPE WITH 1/2 OVERLAP. INSTALL NO PIPING JOINTS BELOW FLOOR.
4. ALL COPPER TUBING SHALL UTILIZE SWEAT FITTINGS SOLDERED WITH ASTM B 32, ALLOY SN95, SN94, OR E, LEAD FREE SOLDER.

SOIL, WASTE, VENT AND STORM PIPING:
1. ALL SOIL AND WASTE PIPING SHALL SLOPE MINIMUM OF 1/4" PER FOOT. PIPING 4" AND LARGER MAY SLOPE 1/8" PER FOOT SLOPE IF SITE CONDITIONS WON'T ALLOW 1/4" PER FOOT SLOPE.
2. CHANGES IN DIRECTION, WHERE SPACE PERMITS, SHALL BE MADE WITH LONG SWEEP BENDS, Y-FITTINGS AND 1/8 OR 1/16 BENDS OR COMBINATION AND 1/8 BENDS.
3. SANITARY TEE BRANCHES AND 1/4 BENDS MAY BE USED FOR CONNECTION OF BRANCH LINES TO FIXTURES AND FROM STACKS TO HORIZONTAL DRAINAGE.
4. MATERIALS:
   4.1. CAST IRON: NO-HUB CAST IRON, CISPI DESIGNATION 301-12 FOR ALL SOIL, WASTE AND VENT PIPING WITH STANDARD WEIGHT FITTINGS. USE STAINLESS STEEL NO-HUB CAST IRON COUPLINGS THROUGHOUT THE PROJECT. INSTALL PIPE AND FITTINGS PER CISPI DESIGNATION 301-12. RESTRAIN PIPE AND FITTINGS USING ENGINEERED (HOLDRITE OR EQUAL) ASSEMBLIES INSTALLED PER MANUFACTURERS INSTRUCTIONS.

VALVES:
1. SIZE OF SHUT-OFF VALVES, CONTROL VALVES, BALANCING COCKS, UNIONS ETC., SHALL BE FULL LINE SIZE.
2. PROVIDE SHUT-OFF VALVES IN CEILING SPACE FOR COLD AND HOT WATER PIPING CONNECTIONS TO ALL PLUMBING FIXTURES, HOSE BIBBS AND TRAP PRIMERS. PROVIDE STAINLESS STEEL CEILING/WALL ACCESS PANELS AS NECESSARY, IN ACCORDANCE WITH ARCHITECT'S REQUIREMENTS.

PIPE HANGERS:
1. PIPE HANGERS SHALL BE MICHIGAN #400 FOR STEEL PIPING, #402 FOR GAS AND COPPER PIPING. SUPPORT PIPING 1-1/4" AND SMALLER 6'-0" O/C, AND PIPING 1-1/2" AND LARGER 10'-0" O/C. WASTE PIPING SHALL BE SUPPORTED AT 4'-0" O/C. PROVIDE 3/8" DIA. THREADED ROD PROPERLY BRACED FOR SEISMIC RESTRAINT ZONE 2.

PIPE INSULATION:
1. ALL DOMESTIC COLD WATER PIPING SHALL HAVE 1/2 INCH THICK FIBERGLASS INSULATION WHERE DAMAGE TO ANY BUILDING COMPONENTS WILL OCCUR AS A RESULT OF CONDENSATION FORMING ON COLD WATER PIPING.
2. ALL DOMESTIC HOT WATER AND HOT WATER RETURN PIPING SHALL HAVE 1 INCH THICK FIBERGLASS INSULATION.
3. PIPE INSULATION SHALL HAVE AN ASJ JACKET AND A THERMAL CONDUCTIVITY (K-FACTOR) NOT EXCEEDING 0.27 AT 75 DEGREES MEAN TEMPERATURE.
4. THE MAXIMUM FIRE HAZARD CLASSIFICATION OF THE INSULATION SYSTEM SHALL NOT HAVE MORE THAN A FLAME SPREAD OF 25, A FUEL CONTRIBUTED RATING OF 50, AND A SMOKE DEVELOPED RATING OF 50 WHEN TESTED IN ACCORDANCE WITH U.L. REQUIREMENTS. PIPE COVERING SHALL BEAR THE U.L. LABEL.
5. INSULATE ALL FITTINGS, VALVE BODIES ETC. WITH SINGLE OR MULTIPLE LAYERS OF INSULATION WITH PREFABRICATED FITTINGS WITH P.V.C. JACKETS.
6. SUBMIT SHOP DRAWINGS FOR ALL INSULATION MATERIALS.

CLEAN OUTS: (ZURN, JOSAM, SMITH)
1. CLEAN OUTS SHALL BE THE SAME SIZE AS THE LARGEST DOWNSTREAM PIPE IT IS SERVING. NO PLASTIC CLEAN OUTS SERVING METALLIC PIPING WILL BE ACCEPTED. PLUGS SHALL BE BRONZE.

PIPE EXPENSION:
1. ALL PIPE CONNECTIONS SHALL BE INSTALLED TO ALLOW FOR FREEDOM OF MOVEMENT OF THE PIPING DURING EXPANSION AND CONTRACTION.
2. EXPANSION LOOPS AND EXPANSION JOINTS WITH PROPER ANCHORS AND GUIDES SHALL BE PROVIDED AS REQUIRED. ANCHORS AND JOINTS SHALL BE SUBJECT TO THE REVIEW OF THE ARCHITECT.
3. ALL SUPPORTS SHALL BE INSTALLED TO PERMIT THE MATERIALS TO CONTRACT AND EXPAND FREELY WITHOUT PUTTING A STRAIN OR STRESS ON ANY PART OF THE SYSTEM. PROVIDE ANCHORS AS REQUIRED.

UNIONS

1. PROVIDE A UNION BETWEEN CONNECTIONS TO EACH FIXTURE, DEVICE OR PIECE OF EQUIPMENT FOR DISCONNECTING OF PIPING.
2. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.

PIPE INSTALLATION
1. INSTALL PIPING TO BEST SUIT FIELD CONDITIONS, COORDINATE LAYOUT OF PIPING WITH DUCT WORK AND OFFSET PIPING AS REQUIRED TO CLEAR NEW WORK.
2. ALL VENTS THROUGH ROOF SHALL BE MINIMUM 10'-0" REMOVED FROM ALL AIR INTAKES, EVAPORATIVE COOLERS, ETC.
3. CONTRACTOR SHALL ROUGH-IN ALL WASTE AND SUPPLY PIPING TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURERS SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED.
4. A WATER-HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED. INCLUDES TOILET FLUSH VALVE GROUPS AND CONNECTIONS TO ALL SOLENOID ACTIVATED VALVES. WATER-HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SHALL CONFORM TO ASSE 1010.
5. PROVIDE MEANS OF PREVENTING DISSIMILAR METAL CONTACT BETWEEN ALL PIPING MATERIALS FROM ANY OTHER METAL OR STRUCTURAL MEMBER TO PREVENT GALVANIC ACTION BETWEEN THE TWO METALS.
6. WHEN WATER PIPE AND SEWER ARE LAID PARALLEL TO EACH OTHER, ONE OF THE FOLLOWING PROCEDURES MUST BE FOLLOWED:
   A. THE HORIZONTAL DISTANCE BETWEEN THE WATER PIPE AND SEWER SHALL NOT BE LESS THAN SIX (6) FEET.
   B. EACH LINE SHALL BE LAID IN A SEPARATE TRENCH, OR IN BETWEEN FILLED WITH COMPACT FILL.
   C. THE WATER SERVICE PIPE MAY BE PLACED IN THE TRENCH WITH THE BUILDING DRAIN AND/OR BUILDING SEWER, PROVIDED THE BOTTOM OF THE WATER SERVICE PIPE, AT ALL POINTS SHALL BE AT LEAST TWELVE (12) INCHES ABOVE THE TOP OF THE SEWER LINE, AND SHALL BE PLACED ON A SOLID SHELF EXCAVATED AT ONE SIDE OF THE COMMON TRENCH.
   D. WATER SERVICE AND SEWER SHALL BE CONSTRUCTED OF MATERIALS APPROVED FOR USE WITHIN A BUILDING AND PRESSURE TESTED TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING.

ACCESSIBILITY
1. THE INSTALLATION OF ALL VALVES, UNIONS, THERMOMETERS, GAUGES, OR OTHER INDICATING OR RECORDING DEVICES, OR SPECIALITIES REQUIRING FREQUENT READING, REPAIRS, ADJUSTMENT, INSPECTION, REMOVAL, OR REPLACEMENT SHALL BE CONVENIENTLY AND ACCESSIBLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.

TESTING
1. FILL DOMESTIC WATER SYSTEM WITH WATER AND PRESSURIZE TO 125 PSI AND MAINTAIN FOR (4) FOUR HOURS WITH NO PRESSURE DROP.
2. FILL WASTE, SOIL, VENT AND STORM DRAINAGE SYSTEMS WITH WATER TO HIGHEST POINT OF THE SYSTEM. HOLD PRESSURE FOR (4) HOURS WITH NO DROP IN WATER LEVEL.
3. IF THE SYSTEM IS TESTED IN SECTIONS, EACH SECTION SHALL BE FILLED WITH WATER BUT NO SECTION SHALL BE TESTED WITH LESS THAN A TEN FOOT HEAD OF WATER.
4. GAS TESTING:
   A. AIR PRESSURE TEST SYSTEM TO 75 PSI AND MAINTAIN FOR A PERIOD OF (8) HOURS WITH NO PRESSURE DROP.
   B. PURGE LINE WITH NITROGEN AT JUNCTION WITH MAIN LINE AT GAS METER TO REMOVE ALL AIR. CLEAR COMPLETE LINE BY ATTACHING A TEST PILOT FIXTURE AT CAPPED STUB-IN LINE AT THE BUILDING LOCATION, AND LET GAS FLOW UNTIL TEST PILOT IGNITES. CAUTION: FAILURE TO PURGE SYSTEM MAY RESULT IN EXPLOSION WITHIN LINE WHEN AIR-TO-GAS IS AT CORRECT MIXTURE.
5. TEST AND OBTAIN APPROVAL ON ALL UNDERGROUND PIPING BEFORE COVERING WORK. PROVIDE WRITTEN TESTING REPORT TO ARCHITECT.

CLEANING
1. AT THE COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE, ALL PARTS OF THE WORK INSTALLED UNDER THIS SPECIFICATION SHALL BE THOROUGHLY CLEANED. ALL EQUIPMENT, FIXTURES, PIPE, VALVES AND FITTINGS SHALL BE CLEANED OF GREASE, METAL CUTTINGS AND SLUDGE WHICH MAY HAVE ACCUMULATED BY OPERATION OF THE SYSTEM FOR TESTING HEREIN BEFORE SPECIFIED OR FROM OTHER CAUSES.

STERILIZATION
1. STERILIZE THE ENTIRE WATER DISTRIBUTION SYSTEM THOROUGHLY WITH A SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF AVAILABLE CHLORINE. FOR CHLORINATING MATERIALS USE SODIUM HYPOCHLORITE SOLUTION CONFORMING TO FEDERAL SPEC. O-B-441, GRADE D, AND INTRODUCE INTO THE SYSTEM BY USE OF A COCK AT A SLOW, EVEN, CONTINUOUS RATE. ALLOW THE STERILIZING SOLUTION TO REMAIN IN THE SYSTEM FOR A PERIOD OF 24 HOURS, DURING WHICH TIME ALL VALVES AND FAUCETS SHALL BE OPENED AND CLOSED SEVERAL TIMES. AFTER STERILIZATION, FLUSH THE SOLUTION FROM THE SYSTEM WITH CLEAN WATER UNTIL THE RESIDUAL CHLORINE CONTENT IS NO GREATER THAN 0.2 PARTS PER MILLION. PLATE COUNT SHALL INDICATE COUNT LESS THAN 100 BACTERIA PER CC.

GUARANTEE
1. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP FROM DEFECT OF MATERIAL AND WORKMANSHIP, AND SHALL REPLACE OR REPAIR, WITHOUT ADDITIONAL COST TO THE OWNER, ALL DEFECTIVE MATERIAL AND WORKMANSHIP FOR A PERIOD (1) YEAR AFTER COMPLETION AND ACCEPTANCE.

COORDINATION
1. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH OTHER TRADES AFFECTED BY EACH OTHERS WORK AND FOR CUTTING AND REFINISHING OF EXISTING WALLS, FLOORS, SOLID AND SUSPENDED CEILINGS ETC., WHERE REQUIRED BY WORK SHOWN AND NOTED HEREIN. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. ITEMS SUCH AS PIPE, FITTINGS, ETC., SHALL NOT BE INSTALLED IN CONFLICT WITH EQUIPMENT. COORDINATE ALL CUTTING AND PATCHING WITH THE GENERAL CONTRACTOR. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF HIS WORK. OBTAIN WRITTEN PERMISSION OF ARCHITECT BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS.

SUBSTITUTIONS
1. SUBSTITUTIONS OF MATERIALS OR PRODUCTS SHOWN HEREIN SHALL BE AT THE OWNER'S, ARCHITECT'S OR ENGINEER'S WRITTEN APPROVAL ONLY, WITH COPIES OF APPROVAL SENT TO ARCHITECT FOR PROJECT FILE. DEVIATION FROM THESE DRAWINGS WILL NOT BE ALLOWED. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL SUBSTITUTIONS AND ALL COSTS OF CHANGES INCURRED BY THEMSELVES AND OTHERS DUE TO THE SUBSTITUTIONS.

RECORD DRAWINGS
1. PROVIDE TWO (2) SETS OF "RECORD" DRAWINGS (AS-BUILTS) AND TWO (2) BOUND SETS OF ALL OPERATIONS MANUALS, DIAGRAMS, SERVICE CONTRACTS, GUARANTEES, ETC., ONE FOR THE OWNER AND ONE FOR BUILDING OPERATIONS DEPARTMENT. OBTAIN A COMPLETE SET OF RECORD DRAWINGS OF EXISTING CONSTRUCTION FROM THE OWNERS FOR INFORMATION ON EXISTING CONDITIONS. INCORPORATE ANY EXISTING CONDITIONS ON NEW RECORD DRAWINGS REQUIRED TO SHOW THE "INSTALLED" INSTALLATION.

ORDER OF PRECEDENCE OF DOCUMENTS
1. SHOULD A CONFLICT ARISE BETWEEN CONSTRUCTION DOCUMENTS, THE ORDER OF PRECEDENCE SHALL BE:
   A. SPECIAL PROVISIONS
   B. GENERAL PROVISIONS
   C. SPECIFICATIONS
   D. DETAILS ON DRAWINGS
   E. PLAN DRAWINGS
2. THE ENGINEER OF RECORD SHALL BE NOTIFIED BEFORE A DECISION IS MADE.

CODE INFORMATION

1. 2021 IBC, 2021 IPC, 2021 IECC & CITY OF SAN MARCOS, TEXAS AMENDMENTS. ALL SYSTEMS SHALL BE IN COMPLIANCE WITH THE ABOVE CODES AS ADOPTED BY THE CITY OF SAN MARCOS, TEXAS.
2. EQUIPMENT AND APPLIANCES SHALL BE INSTALLED AS REQUIRED BY THE TERMS OF THEIR APPROVAL, IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING, THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THIS CODE. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT THE TIME OF INSPECTION PER THE PLUMBING CODE.
3. MATERIALS EXPOSED WITHIN PLENUMS SHALL HAVE A FLAME SPREAD RATING INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE TO ASTM E84 OR UL 723.
4. ALL MATERIALS INSTALLED WITHIN PLENUMS SHALL BE LISTED AND LABELED FOR INSTALLATIONS WITHIN A PLENUM.

PLUMBING SHEET INDEX

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REFERENCE SYMBOLS

- # / SHEET — GENERAL REFERENCE DESIGNATES SHEET NUMBER
- # / SHEET — DETAIL REFERENCE TOP DESIGNATES DETAIL NUMBER BOTTOM DESIGNATES SHEET NUMBER
- # / XO.O — SECTION REFERENCE TOP DESIGNATES SECTION NUMBER BOTTOM DESIGNATES SHEET NUMBER
- EQUP # — EQUIPMENT NAME AND NUMBER
- # — SHEET KEYNOTE NUMBER
- # — REVISION NUMBER
- ELEVATION SYMBOL
- NEW CONNECTION TO EXISTING

2021 IECC COMPLIANCE NOTES

1. WATER-HEATING EQUIPMENT NOT SUPPLIED WITH INTEGRAL HEAT TRAPS AND SERVING NON-CIRCULATING SYSTEMS SHALL BE PROVIDED WITH HEAT TRAPS ON SUPPLY AND DISCHARGE PIPING ASSOCIATED WITH EQUIPMENT.
2. PROVIDE MINIMUM 1" PIPE INSULATION HAVING A CONDUCTIVITY NOT GREATER THAN 0.27 BTU PER IN/HR FT² DEG °F ON AUTOMATIC-CIRCULATING HOT WATER SYSTEMS. PROVIDE MINIMUM 1/2" INSULATION HAVING A CONDUCTIVITY NOT GREATER THAN 0.27 BTU PER IN./HR FT² DEG °F FOR FIRST 8 FEET OF NON-CIRCULATING SYSTEMS WITHOUT INTEGRAL HEAT TRAPS.
3. SERVICE WATER-HEATING EQUIPMENT SHALL BE PROVIDED WITH CONTROLS TO ALLOW A SETPOINT OF 110°F FOR EQUIPMENT SERVING DWELLING UNITS AND 90°F FOR EQUIPMENT SERVING OTHER OCCUPANCIES. THE OUTLET TEMPERATURE OF LAVATORIES IN PUBLIC FACILITY RESTROOMS SHALL NOT EXCEED 110°F.
4. WATER-HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REQUIREMENTS OF THE CURRENT IECC CODE. THE EFFICIENCY SHALL BE VERIFIED THROUGH DATA FURNISHED BY THE MANUFACTURER OR THROUGH CERTIFICATION UNDER AN APPROVED CERTIFICATION PROGRAM.

ENGINEERS
MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

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SAN ANTONIO, TX 78212

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SAN MARCOS, TX 78666

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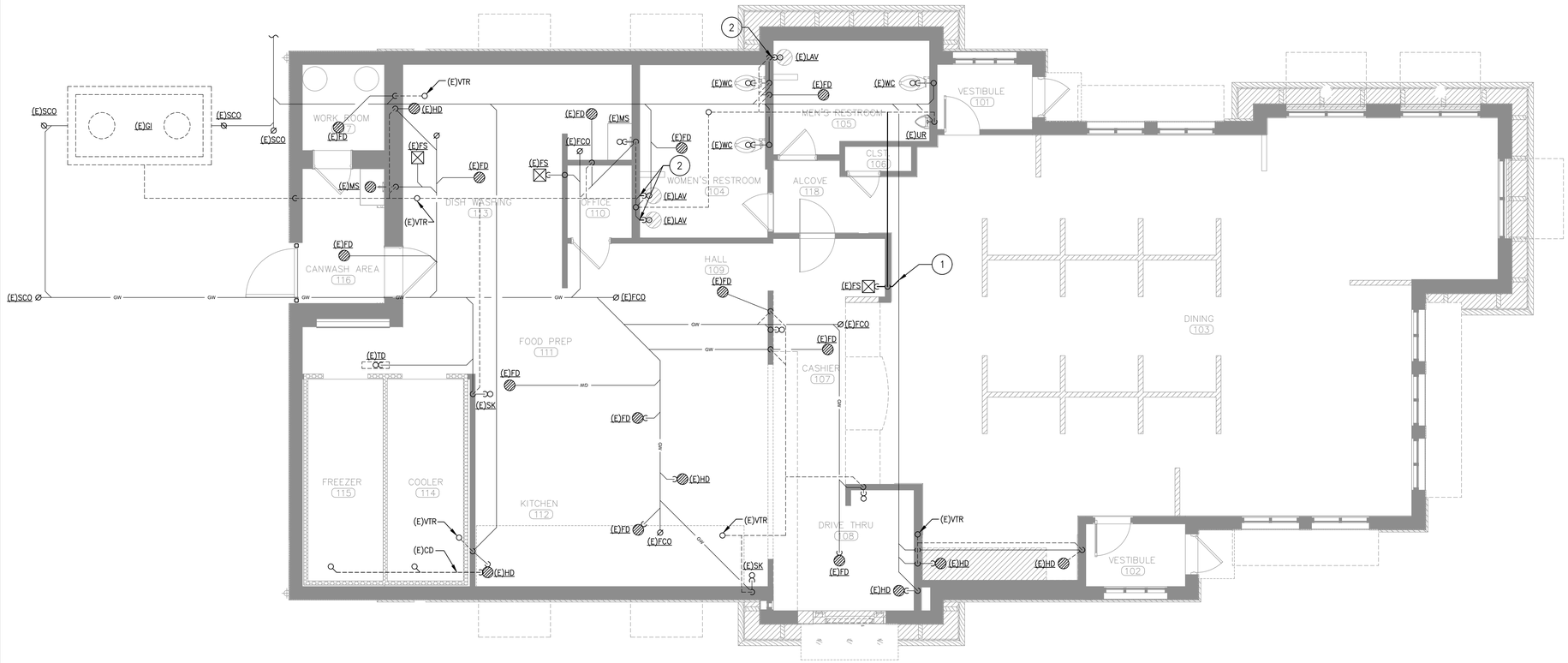
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PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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PLUMBING SPECIFICATIONS, SYMBOLS & SHEET INDEX

P-000

NOTICE:
DO NOT SCALE DRAWINGS, USE DIMENSIONS SHOWN.



1 EXISTING/DEMO WASTE & VENT PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH PROJECT NORTH

(#) DEMOLITION KEYED NOTES: (THIS SHEET ONLY)

1. DEMOLISH FLOOR SINK AND ALL ASSOCIATED PIPING TO FIXTURE. CAP AND SEAL AT PIPING MAIN LINES.
2. DEMOLISH EXISTING 2" WASTE LINE TO LAV. PREPARE EXISTING WASTE LINE WITHIN WALL FOR RECONNECTION.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

A. CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER UTILITY CONNECTION SIZE, LOCATION, SLOPE, DIRECTION OF FLOW AND INVERT PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS.

B. CONTRACTOR SHALL MAINTAIN ALL WARRANTIES ASSOCIATED WITH EXISTING ROOF FOR ALL ROOF PENETRATIONS. PROVIDE NEW ROOF PIPE PORTALS AS NECESSARY. COORDINATE WITH ARCHITECTURAL DRAWINGS.

C. REMOVE ALL EXISTING PLUMBING FIXTURES AS INDICATED ON THE ARCHITECTURAL DRAWINGS, CAP WASTE, VENT, DOMESTIC CW/HW AND ASSOCIATED PIPING BELOW SLAB AND ABOVE THE CEILING AS NECESSARY. REMOVE ALL EXISTING GAS PIPING ON THE ROOF AND ALL ASSOCIATED COMPONENTS NOT SHOWN AS EXISTING TO REMAIN OR TO BE REUSED. REUSE AND/OR MODIFY EXISTING OPENINGS FOR NEW EQUIPMENT AS NECESSARY. OTHERWISE PATCH ROOF WATER TIGHT TO MATCH EXISTING ROOFING.

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LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

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111774
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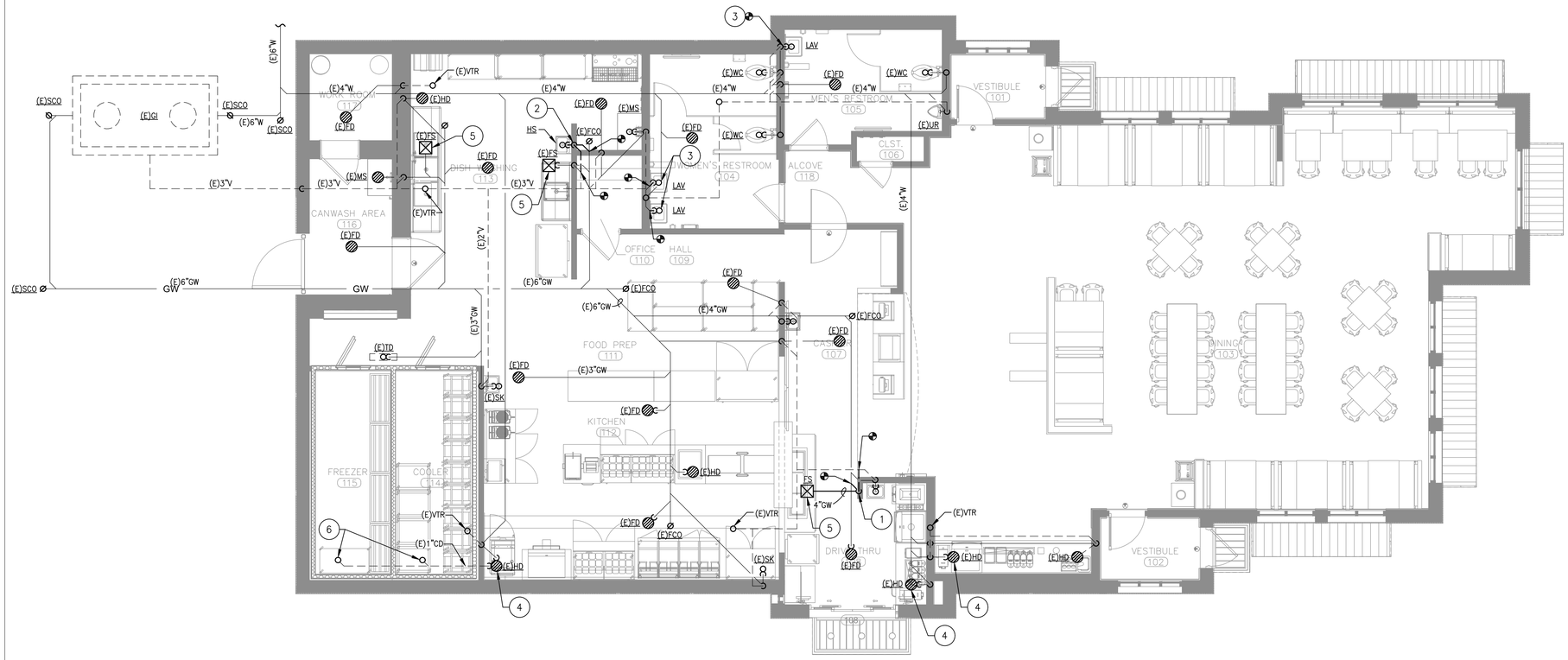
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EXISTING/DEMO WASTE & VENT PLAN

P-101



1 PROPOSED WASTE AND VENT PLUMBING PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH | PROJECT NORTH

(#) KEYED NOTES: (THIS SHEET ONLY)

1. ROUTE 4" GREASE WASTE LINE TO FLOOR SINK. ROUTE 2" VENT STACK UP TO CEILING SPACE AS SHOWN.
2. ROUTE 4" GREASE WASTE LINE TO HAND SINK. ROUTE 2" VENT STACK UP TO CEILING SPACE AS SHOWN.
3. ROUTE 4" WASTE LINE FROM EXISTING WASTE LINE TO CONNECT TO LAV AS SHOWN.
4. ROUTE INDIRECT WASTE FROM NEARBY FIXTURE(S) FULL SIZE A.F.F. AND DISCHARGE INTO DRAIN WITH CODE APPROVED AIR GAP.
5. ROUTE INDIRECT WASTE FROM NEARBY FIXTURE(S) FULL SIZE A.F.F. AND DISCHARGE INTO FLOOR SINK WITH CODE APPROVED AIR GAP.
6. EXISTING CONDENSATE DRAIN FROM FREEZER/COOLER REFRIGERATION EQUIPMENT.

GENERAL NOTES: (THIS SHEET ONLY)

A. CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER UTILITY CONNECTION SIZE, LOCATION, SLOPE, DIRECTION OF FLOW AND INVERT PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS.

B. CONTRACTOR SHALL MAINTAIN ALL WARRANTIES ASSOCIATED WITH EXISTING ROOF FOR ALL ROOF PENETRATIONS. PROVIDE NEW ROOF PIPE PORTALS AS NECESSARY. COORDINATE WITH ARCHITECTURAL DRAWINGS.

C. CONTRACTOR SHALL SAW CUT EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW WASTE AND VENT PIPING BELOW FLOOR. PATCH AND SEAL ALL FLOOR OPENINGS TO MATCH EXISTING FLOOR IN ACCORDANCE WITH ARCHITECT'S REQUIREMENTS.

D. UNDERGROUND NON-METALLIC SANITARY DRAINAGE PIPING LARGER THAN 2 INCHES IN DIAMETER SHALL BE INSTALLED WITH INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR LOCATED ADJACENT TO THE PIPING. THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT EACH END OF THE NON-METALLIC PIPING. THE TRACER WIRE SIZE SHALL BE NOT LESS THAN 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR DIRECT BURIAL.

E. ALL PIPE, PIPE FITTINGS, TRAPS, FIXTURES, MATERIAL AND DEVICES USED IN THIS PLUMBING SYSTEM SHALL BE LISTED OR LABELED BY A LISTING AGENCY. EACH LENGTH OF PIPE AND EACH PIPE FITTING, TRAPS, FIXTURE, MATERIAL AND DEVICES USED IN THIS PLUMBING SYSTEM SHALL HAVE CAST, STAMPED, OR INDELIBLY MARKED ON IT THE MAKERS MARK OR NAME, SUCH MARKING IS REQUIRED BY THE APPROVED STANDARD THAT APPLIES.

F. ALL INDIRECT WASTE PIPING INSTALLED WITH A LENGTH GREATER THAN 5'-0" SHALL HAVE A CLEANOUT PROVIDED. MAXIMUM LENGTH OF INDIRECT WASTE LINE SHALL BE 15'-0". FOR EACH REQUIRED EQUIPMENT INDIRECT WASTE PIPING CONNECTION, ROUTE INDIRECT WASTE PIPING FROM EQUIPMENT TO NEAREST FLOOR SINK. INDIRECT WASTE PIPING SHALL BE COPPER TYPE "DWV" WITH SOLDERED END DRAINAGE FITTINGS.

G. ALL INDIRECT WASTE PIPING THAT EXCEEDS 30 INCHES IN DEVELOPED LENGTH MEASURED HORIZONTALLY, OR 54 INCHES IN TOTAL DEVELOPED LENGTH SHALL BE TRAPPED. FOR EACH REQUIRED EQUIPMENT INDIRECT WASTE PIPING CONNECTION, ROUTE INDIRECT WASTE PIPING FROM EQUIPMENT TO NEAREST FLOOR SINK. INDIRECT WASTE PIPING SHALL BE COPPER TYPE "DWV" WITH SOLDERED END DRAINAGE FITTINGS.

H. ALL INDIRECT WASTES, CONDENSATE AND RELIEF VALVE DRAINS SHALL HAVE CODE APPROVED AIR GAPS.

I. EACH VENT SHALL TERMINATE NOT LESS THAN 10 FT FROM OR 3 FT ABOVE ANY WINDOW, DOOR OPENING, AIR INTAKE OR VENT SHAFT, NOR LESS THAN 3 FT IN EVERY DIRECTION FROM ANY LOT LINE (ALLEY & STREET ACCEPTED).

J. ALL FLOOR CLEAN OUTS, FLOOR SINKS AND FLOOR DRAINS TO SET FLUSH WITH FINISHED FLOOR.

GENERAL NOTES CONTINUED: (THIS SHEET ONLY)

K. PROVIDE CHROME PLATED P-TRAP, TAILPIECE AND ESCUTCHEON AT EACH HAND SINK/LAVATORY WITH A DIRECT WASTE CONNECTION.

L. ALL FLOOR SINKS SHALL HAVE HALF GRATE UNLESS NOTED OTHERWISE. FLOOR SINKS LOCATED BELOW EQUIPMENT SHALL BE A MINIMUM 50% EXPOSED AND SHALL BE INSTALLED FLUSH WITH FINISHED FLOOR OR AS DIRECTED BY LOCAL JURISDICTION.

M. ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE TRAP PRIMERS PROVIDED OR AS DIRECTED BY THE LOCAL JURISDICTION.

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LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

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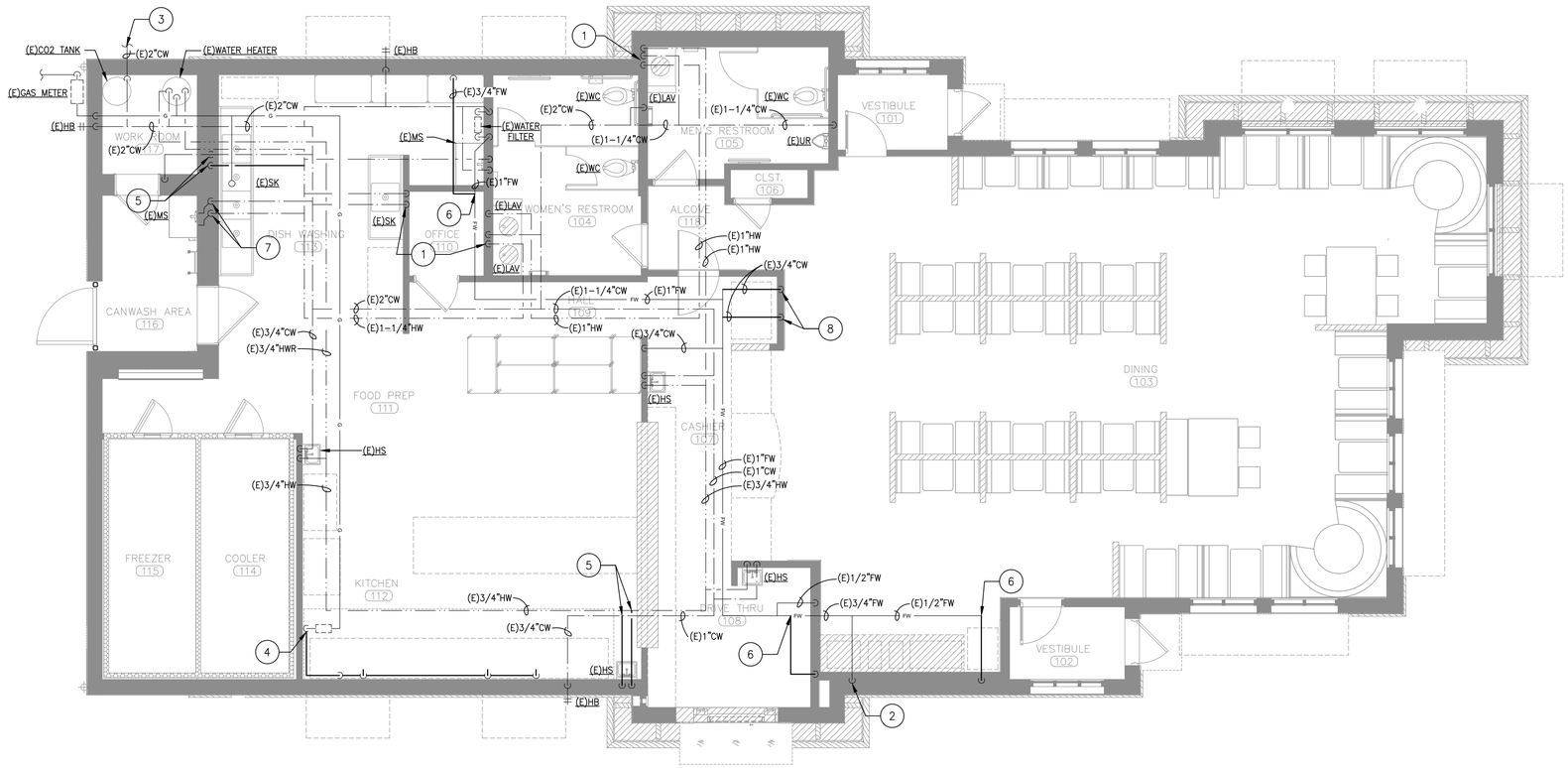
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PROPOSED WASTE & VENT PLUMBING PLAN

P-101.1



1 EXISTING/DEMO DOMESTIC WATER & GAS PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH

PROJECT NORTH

(#) DEMOLITION KEYED NOTES: (THIS SHEET ONLY)

1. DEMOLISH EXISTING CW AND HW PIPING TO SINK/LAV. PREPARE PIPING FOR RECONNECTION.
2. DEMOLISH FILTER WATER PIPING TO FROM WALL TO EQUIPMENT. PREPARE FOR RECONNECTION.
3. EXISTING 2" CW TO SITE UTILITY.
4. DEMOLISH EXISTING GAS PIPING TO EQUIPMENT.
5. DEMOLISH EXISTING CW AND HW PIPING FROM SINK TO MAIN PIPING AS SHOWN.
6. DEMOLISH EXISTING FW FROM EQUIPMENT TO MAIN PIPING AS SHOWN. CAP PIPING AT MAIN.
7. DEMOLISH CW AND HW PIPING TO WALL FROM EXISTING SINK. PREPARE PIPING FOR RECONNECTION.
8. DEMOLISH FW FROM WALL TO MAIN PIPING AS SHOWN. CAP PIPING AT MAIN.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

A. CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER UTILITY CONNECTION SIZE, LOCATION, SLOPE, DIRECTION OF FLOW AND INVERT PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS.

B. CONTRACTOR SHALL MAINTAIN ALL WARRANTIES ASSOCIATED WITH EXISTING ROOF FOR ALL ROOF PENETRATIONS. PROVIDE NEW ROOF PIPE PORTALS AS NECESSARY. COORDINATE WITH ARCHITECTURAL DRAWINGS.

C. REMOVE ALL EXISTING PLUMBING FIXTURES AS INDICATED ON THE ARCHITECTURAL DRAWINGS, CAP WASTE, VENT, DOMESTIC CW/HW AND ASSOCIATED PIPING BELOW SLAB AND ABOVE THE CEILING AS NECESSARY. REMOVE ALL EXISTING GAS PIPING ON THE ROOF AND ALL ASSOCIATED COMPONENTS NOT SHOWN AS EXISTING TO REMAIN OR TO BE REUSED. REUSE AND/OR MODIFY EXISTING OPENINGS FOR NEW EQUIPMENT AS NECESSARY. OTHERWISE PATCH ROOF WATER TIGHT TO MATCH EXISTING ROOFING.

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LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

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REG. NO. F-15042

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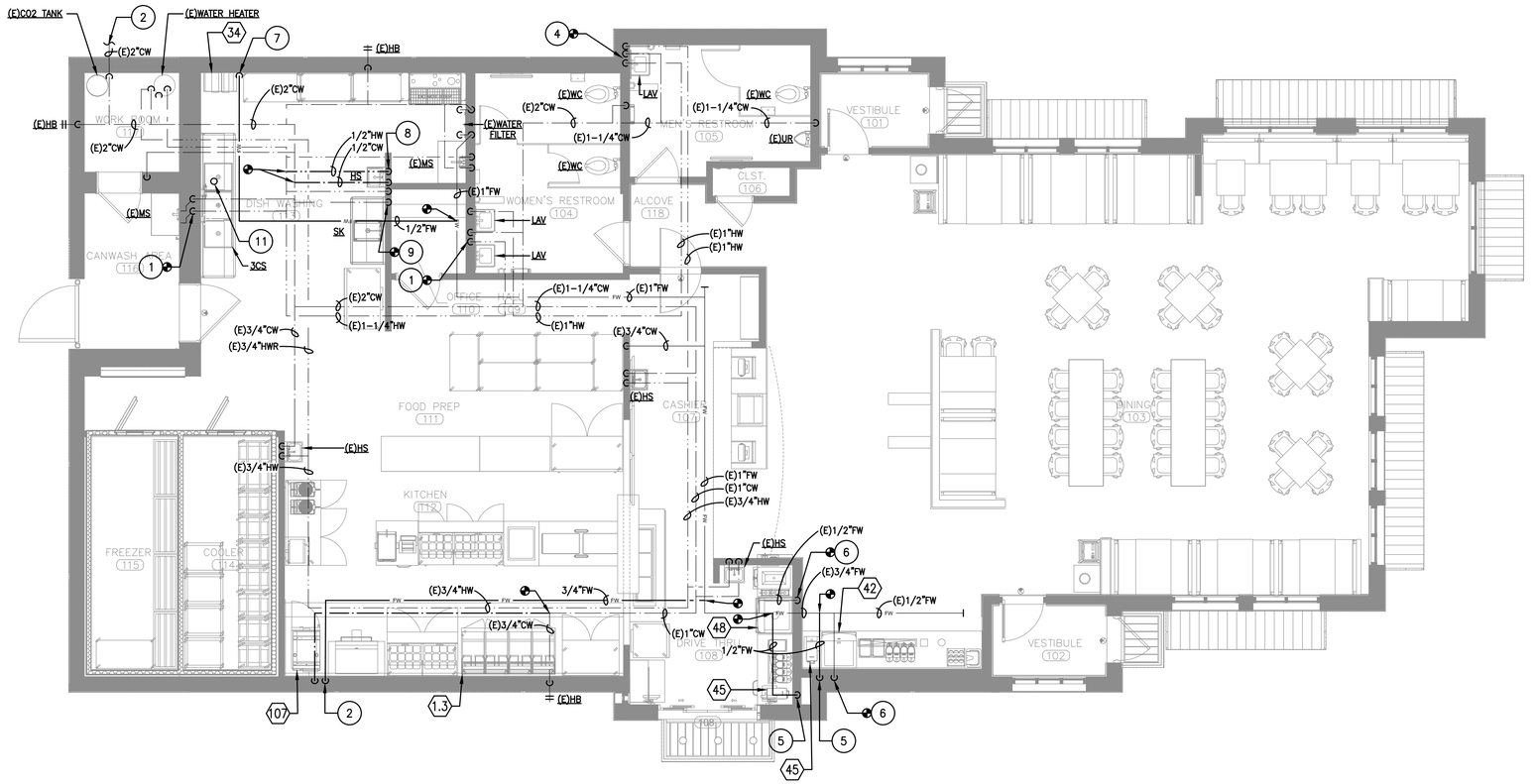
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EXISTING/DEMO DOMESTIC WATER & GAS PLAN

P-102



1 PROPOSED DOMESTIC WATER PLAN

SCALE: 3/16" = 1'-0"

TRUE NORTH / PROJECT NORTH

(#) KEYED NOTES: (THIS SHEET ONLY)

1. ROUTE NEW 1/2" CW AND HW PIPING FROM EXISTING PIPING IN WALL TO EACH LAV. CONTRACTOR MAY USE EXISTING PIPING IF IN GOOD CONDITION.
2. ROUTE 3/4" CW AND FW PIPING DOWN IN WALL TO CONNECT TO MULTI-COOK OVEN (#107). PROVIDE BACKFLOW PREVENTERS THAT COMPLY TO ASSE 1012 FOR #107. SERVICE CLEARANCE SHALL BE PROVIDED FOR BACKFLOW PREVENTERS.
3. EXISTING 2" CW TO SITE UTILITY.
4. ROUTE 1/2" CW AND HW PIPING FROM EXISTING PIPING IN WALL TO LAV.
5. ROUTE 1/2" FW PIPING DOWN IN WALL TO CONNECT TO TEA DISPENSER (#45). PROVIDE BACKFLOW PREVENTER THAT COMPLIES TO ASSE 1024 FOR #45. SERVICE CLEARANCE SHALL BE PROVIDED FOR BACKFLOW PREVENTER.
6. ROUTE NEW 1/2" FW FROM EXISTING LINE TO ICE MACHINE AND SODA DISPENSER (#42/#48). PROVIDE BACKFLOW PREVENTER THAT COMPLIES TO ASSE 1024 FOR ICE MACHINE CONNECTION. PROVIDE BACKFLOW PREVENTER THAT COMPLIES TO ASSE 1022 FOR SODA DISPENSER. SERVICE CLEARANCE SHALL BE PROVIDED FOR BACKFLOW PREVENTERS.

(#) KEYED NOTES: (THIS SHEET ONLY)

7. ROUTE 1/2" FW PIPING DOWN IN WALL TO CONNECT TO BAG-IN-BOX SYSTEM (#34). PROVIDE BACKFLOW PREVENTER THAT COMPLIES TO ASSE 1022 FOR #34. SERVICE CLEARANCE SHALL BE PROVIDED FOR BACKFLOW PREVENTER.
8. ROUTE 1/2" CW AND HW PIPING DOWN TO SERVE HAND SINK.
9. ROUTE NEW 1/2" CW AND HW PIPING FROM EXISTING PIPING IN WALL TO HAND SINK.
10. ROUTE NEW 1/2" CW AND HW PIPING FROM EXISTING PIPING IN WALL TO SERVE 3-COMP SINK.

GENERAL NOTES: (THIS SHEET ONLY)

A. CONTRACTOR SHALL FIELD VERIFY EXISTING WATER UTILITY CONNECTION SIZE AND LOCATION PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS.

B. PLUMBING CONTRACTOR TO COORDINATE EXACT STREET WATER PRESSURE AND NOTIFY ENGINEER OF ANY DISCREPANCIES. CONTRACTOR SHALL PROVIDE A PRESSURE REDUCING VALVE (PRV) IF STREET WATER PRESSURE EXCEEDS 80 PSI. PRV SHALL BE INSTALLED ON BUILDING SIDE OF WATER METER AND SET TO 80 PSI.

C. CONTRACTOR TO FIELD VERIFY EXISTING DOMESTIC WATER SYSTEM IS PROVIDED WITH A REDUCED PRESSURE BACKFLOW PREVENTER (RPBP). IF NOT EXISTING, PROVIDE AN APPROVED RPBP ASSEMBLY SIZED TO MATCH BUILDING WATER METER. INSTALL NEW RPBP BETWEEN THE WATER METER AND THE BUILDING PER LOCAL JURISDICTION'S REQUIREMENTS.

D. CONTRACTOR SHALL MAINTAIN ALL WARRANTIES ASSOCIATED WITH ROOF FOR ALL ROOF PENETRATIONS. PROVIDE NEW ROOF PIPE PORTALS AS NECESSARY. COORDINATE WITH ARCHITECTURAL DRAWINGS.

E. CONTRACTOR SHALL SAW CUT EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW WATER PIPING BELOW FLOOR. PATCH AND SEAL ALL FLOOR OPENINGS TO MATCH EXISTING FLOOR IN ACCORDANCE WITH ARCHITECT'S REQUIREMENTS.

F. UNDERGROUND NON-METALLIC WATER AND IRRIGATION SYSTEM PIPING LARGER THAN 2 INCHES IN DIAMETER SHALL BE INSTALLED WITH INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR LOCATED ADJACENT TO THE PIPING. THE TRACER WIRE SHALL TERMINATE ABOVE THE GROUND AT EACH END OF THE NON-METALLIC PIPING. THE TRACER WIRE SIZE SHALL BE NOT LESS THAN 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR DIRECT BURIAL.

GENERAL NOTES CONTINUED: (THIS SHEET ONLY)

G. INSULATE ALL WATER PIPING ABOVE CEILING TO PREVENT FREEZING.

H. MAKE SHUTOFF VALVES ACCESSIBLE NEAR THE EQUIPMENT THEY SERVE.

I. ALL DIRECT CONNECT EQUIPMENT SHALL BE PROVIDED WITH BACKFLOW PREVENTION. "CARBONATOR" TYPE SODA DISPENSERS SHALL BE PROTECTED BY A BACKFLOW PREVENTER CONFORMING TO ASSE 1022 (WATTS SD-3 OR EQUAL). ALL NON-CARBONATED BEVERAGE DISPENSERS INCLUDING COFFEE MAKERS, TEA DISPENSERS, ICE MACHINES, YOGURT DISPENSERS AND SIMILAR EQUIPMENT WITH DIRECT CONNECTIONS TO POTABLE WATER SHALL BE PROTECTED BY A BACKFLOW PREVENTER CONFORMING TO ASSE 1022 OR 1024 (WATTS LF7 OR EQUAL). PIPING FROM BACKFLOW PREVENTER TO CARBONATORS AND ALL DOWNSTREAM PIPING SHALL NOT BE COPPER - PEX OR APPROVED PLASTIC PIPING ONLY. ALL BACKFLOW PREVENTERS SHALL BE INSTALLED AT A MAXIMUM HEIGHT OF 5'-0" A.F.F.

J. REFER TO K.E.C. DRAWINGS FOR ADDITIONAL WORK REQUIRED (INDIRECT WASTE PIPING, ETC.) AND FOR ALL EQUIPMENT SCHEDULES AND SPECIFICATIONS.

GENERAL NOTES CONTINUED: (THIS SHEET ONLY)

K. REFER TO K.E.C. ROUGH-IN DRAWINGS AND COORDINATE WITH CONTRACTOR EXACT LOCATIONS OF EQUIPMENT AND FLOOR SINK LOCATIONS, PLUMBING ROUGH-IN HEIGHTS, ETC.

L. ALL HAND SINKS/LAVATORIES SHALL BE PROVIDED WITH A THERMO-STATIC MIXING VALVE TO SUPPLY TEMPERED HW, MAX. 110 DEG. F.

M. PROVIDE CHROME PLATED STOP VALVES AT EACH REQUIRED EQUIPMENT WATER CONNECTION. PROVIDE AGA COMPLIANT BALL VALVE AT EACH REQUIRED EQUIPMENT GAS CONNECTION.

N. ALL POTABLE WATER OUTLETS WITH HOSE ATTACHMENTS AND HOSE BIBBS SHALL BE PROTECTED FROM CROSS CONNECTION W/ APPROVED BACKFLOW PREVENTION DEVICES.

O. PURE WATER PIPING CONNECTIONS (RO PIPING) TO EQUIPMENT SHALL BE PROTECTED BY A LISTED AND APPROVED PLASTIC OR STAINLESS STEEL BACKSIPHONAGE BACKFLOW PROTECTOR. RO PIPING SHALL BE INSTALLED IN PEX OR APPROVED PLASTIC PIPE MATERIAL.

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PROPOSED DOMESTIC WATER PLAN

P-102.1

EQUIPMENT SCHEDULE

* THE PIPE SIZES SHOWN IN THIS TABLE REPRESENT SERVICE PIPE SIZES AND NOT THE ACTUAL FIXTURE CONNECTION SIZE.

*

FOODSERVICE PLUMBING SCHEDULE

ITEM NO.	QTY	DESCRIPTION	WATER						WASTE			FLOOR DRAIN TYPE	GAS			REMARKS
			HOT		COLD		FILTERED		DIRECT		IW					
			SIZE	AFF	SIZE	AFF	SIZE	AFF	SIZE	AFF	SIZE		SIZE	MBTU	AFF	
1.3	1	FOUR BANK DEEP FAT FRYER W/FILTER														
23.1	1	BEVERAGE TABLE W/DRIP TROUGH (60"W x 30"D)									1"	FS				
30	1	THREE COMPARTMENT SINK									1 1/2"	FS				NOTE E
30.1	1	PRE-RINSE UNIT W/FAUCET	1/2"	12"	1/2"	12"										
30.2	1	FAUCET	1/2"	12"	1/2"	12"										
31	4	HAND SINK W/SIDE SPLASHES (KNEE-VALVE)	1/2"	12"	1/2"	12"			1 1/2"	14"						FOUR PLACES
32	1	MOP SINK FAUCET														EXISTING TO REMAIN
33	1	ONE COMPARTMENT SINK W/DBL DRAINBOARDS									1 1/2"	FS				
33.1	1	FAUCET W/10" NOZZLE	1/2"	12"	1/2"	12"										
34	1	BAG-N-BOX/CARBONATOR					1/2"	84"								NOTE G/NIKEC/VERIFY UTILITIES
42	1	ICE MACHINE (1327LB. CAPACITY)					1/2"	99"			3/4"	FS				NOTE G
42.1	1	WATER FILTER SYSTEM			3/4"	102"										NOTE G/SEE NOTE BELOW
42.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)									1/2"	FS				
45	2	TEA BREWER					1/2"	50"								NOTE G/TWO PLACES
48	1	ICE MACHINE (1327LB. CAPACITY)					1/2"	90"			3/4"	FS				NOTE G
48.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)									1/2"	FS				
56.1	1	DROP-IN REFRIGERATED COLD WELL									1"	FS				
107	1	MULTI-COOK OVEN, ELECTRIC (208V/3PH)			3/4"	30"	3/4"	30"			1 1/2"	FS				HIGH TEMP DRAIN LINES REQ'D
F15	1	BEVERAGE COUNTER W/DRAIN TROUGH									1"	FS				

NOTE - (1) FILTERED OUTLET FOR ALL ICE MACHINES. (1) FILTERED OUTLET FOR ALL TEA BREWERS, AND CARBONATOR AT BIB RACK.

PLUMBING FIXTURE SCHEDULE

* THE PIPE SIZES SHOWN IN THIS TABLE REPRESENT SERVICE PIPE SIZES AND NOT THE ACTUAL FIXTURE CONNECTION SIZE.

MARK	FIXTURE	DESCRIPTION	* PIPE SIZES			
			COLD	HOT	WASTE	VENT
SK	1 COMP. SINK	JUST SLX-2225-A-GR, 18 GA. S.S. 1-COMP. SINK, 22"x25"x10" W/ T&S BRASS #B-2855, 2.2 GPM BTM. MTD. FAUCET W/ LEVER HANDLES & 9" SWING SPOUT.	1/2"	1/2"	2"	2"
3CS	3-COMPARTMENT SINK	JUST NSFB-354-24RL, 3-COMP. 18"Wx24"Lx12"D, 14 GA. S.S. SINK W/ DRAINBOARDS & DRAIN STRAINERS. NSF LISTED. WALL-MTD. JPR-309 PRE-RINSE SPRAY FAUCET/HOSE W/ HANDLES & WALL BRACKET.	3/4"	3/4"	INDIRECT. WASTE THRU FS	-
BP-1	BACKFLOW PREVENTER S.S. DOUBLE-CHECK VALVE	WATTS #SD-3, STAINLESS STEEL DOUBLE-CHECK VALVE BACKFLOW PREVENTER W/ INLET STRAINER, ASSE 1022 LISTED. PROVIDE WITH DRAIN LINE TO APPROVED LOCATION.	-	-	-	-
BP-2	BACKFLOW PREVENTER S.S. DOUBLE-CHECK VALVE	WATTS #LF7, LEAD-FREE DOUBLE-CHECK VALVE BACKFLOW PREVENTER, ASSE 1024 LISTED.	-	-	-	-

WATER CALCULATIONS

EXISTING FU:

3 - (E)MS	3 FU =	9
3 - (E)HS	2 FU =	6
3 - (E)WC	10 FU =	30
1 - (E)UR	5 FU =	5
3 - (E)HB	2 FU =	6
EXISTING FIXTURE UNIT TOTAL:		56
TOTAL:	56 FU =	53 GPM

NEW FU ON THIS T.I.:

1 - SK	4 FU =	4
3 - LAV	2 FU =	6
2 - TEA BREWER (#45)	1 FU =	2
2 - ICE MACHINE/SODA DISPENSER (#42 & #48)	1 FU =	2
1 - HS	2 FU =	2
1 - 3CS	4 FU =	4
1 - MULTI-COOK OVEN (#107)	1.5 FU =	1.5
THIS T.I. TOTAL:		21.5
TOTAL:	21.5FU =	36 GPM (BASED ON FLUSH VALVE SYSTEM)
GRAND TOTAL:	77.5FU =	61 GPM (BASED ON FLUSH VALVE SYSTEM)

NOTE:
THE FIXTURES BEING SHOWN AS NEW FOR THIS PERMIT ARE UTILIZING 21.5 FU OF THE EXISTING WATER METER'S FUTURE FIXTURE UNITS AVAILABLE. PIPE SIZES ARE CONSERVATIVELY SIZED USING 4 PSI/100'.

WATER PIPING CONSERVATIVELY SIZED AT 4.0 PSI/100'

PIPE SIZING CHART			TANK	VALVE
1/2"	= 2	GPM =	1 FU	- FU
3/4"	= 5	GPM =	6 FU	- FU
1"	= 12	GPM =	16 FU	- FU
1-1/4"	= 21	GPM =	31 FU	- FU
1-1/2"	= 32	GPM =	58 FU	15 FU
2"	= 70	GPM =	225 FU	106 FU
2-1/2"	= 116	GPM =	460 FU	336 FU
3"	= 200	GPM =	945 FU	931 FU

NOTE: PIPE SIZING CHART SIZED WITH 2021 IPC FIGURE E103.3(3) @ 4.0 PSI/100' FOR FRICTION LOSS AND TABLE E103.3(3).

ENGINEERS
MEP Design, Planning & Commissioning
123 Vargas Aly, San Antonio, TX. 78203
(210) 899-9908 | TBPE# F-15042
www.mackengineers.com

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LIQUE DESIGN STUDIO
WWW.LIQUE.US | 210.549.4207
LIQUE DESIGN STUDIO, LLC
TEXAS REGISTRATION # : BR 3647
816 CAMARON ST., SUITE #110,
SAN ANTONIO, TX 78212

STATE OF TEXAS
MICHAEL WASHINGTON
111774
LICENSED
PROFESSIONAL ENGINEER
08-16-25

MACK ENGINEERS
REG. NO. F-15042

BIG STAR LAND LLC.

SLIM CHICKENS-ZAXBY'S RETROFIT

4002 S I-35 SOUTH FRONTAGE RD.,
SAN MARCOS, TX 78666

#	DESCRIPTION	DATE
	SCHEDULE OF REVISIONS	

PROJECT NUMBER: 0009-25
PROJECT DATE: 07/31/2025
PROJECT MANAGER: M.W.
PROJECT TEAM: MB/CW

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SCHEDULES, RISERS & CALCULATIONS

P-201

GENERAL FOOD SERVICE AND HEALTH CODE REQUIREMENTS

1 FOODSERVICE EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE CURRENT EDITION OF CODES, RULES, AND REGULATIONS OF THE GOVERNING HEALTH DEPARTMENT AUTHORITIES AND SHALL BE MANUFACTURED IN STRICT COMPLIANCE WITH AND, IF APPLICABLE, BEAR THE SEAL OF UL, NEMA, ASME, NSF, ETL, AGA, OSHA AND NFPA.

2 CEILING AND WALL SURFACES ADJACENT TO OR ABOVE ANY FOOD PREPARATION AREA, INCLUDING KITCHEN, DISHWASHING, AND SERVING AREAS, ETC., SHALL BE SMOOTH, NON-ABSORBANT, EASILY CLEANABLE, AND LIGHT IN COLOR. ANY MATERIALS NOT CLEARLY CONSISTENT WITH THIS REQUIREMENT SHOULD BE SUBMITTED TO THE LOCAL HEALTH JURISDICTION FOR PRIOR APPROVAL OF USE. LAY-IN CEILING TILE MUST BE NON-POROUS AND NON-FISSURED PANELS ONLY. A CORROSION RESISTANT SUSPENSION SYSTEM IS RECOMMENDED.

3 FLOORING IN ANY FOODSERVICE AREA, RESTROOM, AND ANTE-ROOM SHALL BE SMOOTH, NON-ABSORBENT, AND EASILY CLEANABLE WITH MINIMUM 3/8" COVE BASE EXTENDING UPWARD MINIMUM 6" AT WALLS OR AS DIRECTED BY THE GOVERNING HEALTH DEPARTMENT.

4 BUILDING SURFACES AT AND AROUND FOODSERVICE COUNTERS IN PUBLIC SERVING AREAS SHALL MEET THE FINISH REQUIREMENTS OF THE GOVERNING HEALTH DEPARTMENT.

5 CONSTRUCT PARTITION WALLS BETWEEN FOODSERVICE AREAS AND PUBLIC AREAS FOR MAXIMUM SOUND CONTROL WHERE APPLICABLE.

6 LIGHTING IN FOODSERVICE AREAS SHALL MEET THE MINIMUM FOOT-CANDLE REQUIREMENTS ESTABLISHED BY THE AUTHORITIES HAVING JURISDICTION.

7 LIGHTING AND INFRARED/HEAT LAMPS IN AREAS OVER FOOD CONTACT SHALL HAVE LAMP GUARDS/SLEEVES, SOLID PLASTIC LENSES, OR APPROVED SHATTER RESISTANT COATED BULBS.

8 BACKSPLASHES, WHEN PROVIDED WITH EQUIPMENT, SHALL BE SEALED TO WALLS WITH SILICONE SEALANT IN A NEAT WORKMANLIKE MANNER. SEALANT MUST BE APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF).

9 SEAMS AND GAPS BETWEEN NON-PORTABLE FOODSERVICE EQUIPMENT AND ADJACENT STRUCTURES SHALL BE PROPERLY SEALED AGAINST THE ENTRANCE OF FOOD PARTICULATES AND VERMIN WITH NSF APPROVED SILICONE SEALANT AND/OR TRIM.

10 EQUIPMENT PLACED ON TABLES AND COUNTERS SHALL BE COMPLETELY SEALED TO WORK SURFACE OR MOUNTED ON LEGS NO LESS THAN 4 INCHES IN HEIGHT IF EQUIPMENT WEIGHS MORE THAN 75 POUNDS.

11 ALL FOODSERVICE EQUIPMENT RESTING ON THE FLOOR SHALL BE COMPLETELY SEALED TO FLOOR, MOUNTED ON MIMUM 6" HIGH LEGS, MOUNTED ON CASTERS, INSTALLED ON A RAISED CURB WITH COVED BASE, OR INSTALLED AS DIRECTED BY THE GOVERNING HEALTH DEPARTMENT.

12 EMPLOYEE LOCKERS SHALL HAVE MINIMUM 6" HIGH ROUND METAL LEGS OR MOUNTED TO THE WALL WITH MINIMUM 6" AFF CLEAR.

13 UNDERBAR SINKS SHALL COMPLY WITH THE REQUIREMENTS OF THE GOVERNING HEALTH DEPARTMENT.

14 WAREWASH SINKS SHALL HAVE THREE COMPARTMENTS SIZED TO SUBMERGE THE LARGEST KITCHEN VESSEL AND MINIMUM 18" DRAINBOARD ON BOTH ENDS. SPLASHGUARDS SHALL BE PROVIDED AS REQUIRED BY THE GOVERNING HEALTH DEPARTMENT.

15 ALL REFRIGERATION EQUIPMENT SHALL HAVE THERMOMETERS WHICH ARE EASILY READABLE, IN PROPER WORKING CONDITION, AND ACCURATE WITHIN A RANGE OF PLUS OR MINUS 2°.

16 VACCUUM BREAKERS, WHEN REQUIRED, SHALL BE A MINIMUM OF 6 INCHES ABOVE THE FLOOD LEVEL RIM WITH NO SHUT OFF DEVICES BEYOND THE DISCHARGE OF THE VACUUM BREAKER.

17 WATER FILTRATION DEVICES SHALL NOT BE LOCATED DIRECTLY ABOVE FOODSERVICE EQUIPMENT OR FIXTURES WHERE DIRECTED BY AUTHORITIES HAVING JURISDICTION.

18 DEDICATED HANDWASHING FACILITIES SHALL BE LOCATED WITHIN REQUIRED PROXIMITY AND ACCESSIBILITY OF ALL FOODSERVICE AREAS.

19 UTILITY FAUCETS AT MOP SINK(S) SHALL HAVE BACKFLOW PROTECTION AND SHALL BE THREADED FOR HOSE ATTACHMENT. CHEMICAL DISPENSING SYSTEMS SHALL NOT BE PLUMBED TO THE FAUCET.

20 AIR CURTAIN(S) SHALL HAVE MINIMUM 1600 CFM VELOCITY MEASURED 3'-0" AFF AND SHALL OPERATE VIA DOOR ACTIVATED MICROSWITCH.

WALK-IN COOLER/FREEZER GENERAL REQUIREMENTS

1. GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE SMOOTH FLOOR LEVEL WITHIN PLUS OR MINUS 1/8" FOR INSTALLATION OF 4" WIDE WALK-IN WALL SCREED FOR WALK-IN COOLER BY KEC (SECTION 114000). WALK-IN FREEZER TO COME WITH IT'S OWN PRE-MANUFACTURED FLOOR WITH INTERIOR RAMP. GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL EXTEND FINISH FLOOR W/ COVED BASE INSIDE WALK-IN COMPARTMENT FOR SMOOTH TRANSITION TO THE EXTERIOR.
2. REFRIGERATION CONTRACTOR UNDER KEC (SECTION 114000) SHALL CONNECT DRAIN(S) WITH REFRIGERATION GRADE HARD COPPER USING 1" STANDOFFS. "P" TRAP DRAIN OUTSIDE WALK-IN COMPARTMENT(S). PROVIDE AND INSTALL SLEEVES THRU WALK-IN AND BUILDING WALLS FOR DRAIN LINE(S). FOAM & CAULK AROUND SLEEVES AND DRAIN LINES. WRAP WITH DRAIN LINE HEATER AND INSULATION WHERE SUBJECT TO FREEZING TEMPERATURES.
3. OVERALL HEIGHT OF WALK-IN SHALL BE APPROX. 8'-6 1/4" AFF FROM FINISHED FLOOR TO TOP OF WALK-IN.
4. KEC (SECTION 114000) SHALL FURNISH AND INSTALL METAL CLOSURE PANELS & TRIM TO MATCH WALK-IN FACING WHERE WALK-IN ABUTS BUILDING WALLS AND CEILING.
5. BUILDING FLOOR UNDER WALK-IN MUST BE LEVEL WITHIN PLUS OR MINUS 1/8".
6. GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL FURNISH AND INSTALL ROOF PAD FOR KEC (SECTION 114000) FURNISHED REFRIGERATION RACK.
7. REFRIGERATION CONTRACTOR UNDER KEC (SECTION 114000) SHALL FURNISH REFRIGERATION PIPING AND INSTALL CONDENSERS, CONDENSING UNITS, AND EVAPORATOR COILS. REFRIGERATION CONTRACTOR TO CHARGE, START-UP, RUN, AND CHECK FOR PROPER OPERATING TEMPERATURES.

REFRIGERATION GENERAL REQUIREMENTS

1 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE FLOOR REQUIREMENTS AND/OR SLAB RECESS(ES) AAT WALK-IN COOLERS AND FREEZER AS SPECIFIED.

2 EVAPORATOR CONDENSATE DRAIN LINE (S) SHALL BE REFRIGERATION GRADE HARD COPPER USING 1" STANDOFFS. "P" TRAP DRAIN OUTSIDE WALK-IN COMPARTMENT(S). PROVIDE AND INSTALL SLEEVES THRU WALK-IN AND BUILDING WALLS FOR DRAIN LINE (S). FOAM & CAULK AROUND SLEEVES AND DRAIN LINES. WRAP WITH DRAIN LINE HEATER AND INSULATION WHERE SUBJECT TO FREEZING TEMPERATURES.

3 KEC (SECTION 114000) SHALL FURNISH AND INSTALL METAL CLOSURE PANELS & TRIM TO MATCH WALK-IN FACING WHERE WALK-IN ABUTS BUILDING WALLS AND CEILINGS.

4 BUILDING FLOOR UNDER WALK-IN MUST BE SMOOTH AND LEVEL WITHIN PLUS OR MINUS 1/8"

5 REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF CONDENSING UNIT(S) PRIOR TO INSTALLATION.

6 INDOOR RACK SYSTEMS SHALL REQUIRE MECHANICAL VENTILATION OF NOT LESS THAN 800 CFM PER H.P. FOR AIR-COOLED UNITS AND 250 CFM PER H.P. FOR WATER-COOLED UNITS UNLESS DIRECTED OTHERWISE BY MANUFACTURER'S RECOMMENDATIONS.

7 GENERAL CONTRACTOR AND/OR SUBDIVISIONS TO COORDINATE CLEARANCE REQUIREMENTS OF ROOFTOP REFRIGERATION UNIT(S) FROM BUILDING EDGES AND OTHER ROOFTOP MECHANICAL UNITS AS DIRECTED BY CODE.

8 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE STRUCTURAL REINFORCEMENT TO BUILDING AS REQUIRED FOR HANGING AND/OR MOUNTING OF REFRIGERATION EQUIPMENT. COORDINATE EQUIPMENT LOCATION(S) WITH REFRIGERATION CONTRACTOR.

9 ALL ROOF MATERIAL/FLASHING AND REQUIRED ROOF PENETRATION(S) FOR REFRIGERATION SYSTEMS ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR SUBDIVISIONS.

10 REFRIGERATION CONTRACTOR SHALL PITCH OR SEAL PENETRATIONS THRU PIPE CURB(S) WITH TAR UPON INSTALLATION OF REFRIGERATION LINES.

11 REFRIGERATION CONTRACTOR SHALL FURNISH REFRIGERATION PIPING AND INSTALL CONDENSERS, CONDENSING UNITS, AND EVAPORATOR COILS. REFRIGERATION CONTRACTOR TO CHARGE, START-UP, RUN, AND CHECK FOR OPERATING TEMPERATURES.

12 REFRIGERATION CONTRACTOR SHALL FURNISH AND INSTALL FLEXIBLE CLOSED CELL INSULATION ON REFRIGERATION LINES TO PREVENT CONDENSATION

13 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL COORDINATE ACCESSIBILITY OF REFRIGERATION PIPING TO CONDENSING UNITS (THRU MULTIPLE FLOORS WHERE REQ'D) WITH REFRIGERATION CONTRACTOR.

14 REFRIGERATION LINES TO BE CONCEALED WITHIN WALLS, ABOVE CEILINGS, AND BENEATH FLOORS WHERE POSSIBLE. REFRIGERATION CONTRACTOR TO INSTALL LINE SETS IN WALLS DURING FRAMING.

15 REFRIGERATION CONTRACTOR SHALL FOAM & SEAL INSIDE & OUTSIDE OF ALL REFRIGERATION PENETRATIONS THRU WALK-IN COOLER/FREEZER(S) AND REMOTE REFRIGERATION UNITS.

16 REFRIGERATION CONTRACTOR SHALL FOAM AND SEAL BOTH ENDS OF CONDUIT (WHERE SPECIFIED) UPON INSTALLATION OF REFRIGERATION LINES.

17 PULL BOXES FOR REFRIGERATION LINES (WHERE SPECIFIED) SHALL BE MINIMUM 12" X 12".

18 KEC (SECTION 114000) FURNISHED REMOTE CONDENSERS/CONDENSING UNITS FOR ICE MACHINES SHALL BE INSTALLED NO FURTHER THAN 75'-0" FROM UNIT OR WITHING MANUFACTURER'S RECOMMENDED MAXIMUM DISTANCE.

19 REFRIGERATION CONTRACTOR SHALL INSTALL REFRIGERATION LINE SETS FOR ICE MACHINES.

VENTILATION REQUIREMENTS

1. HVAC/MECHANICAL CONTRACTOR (DIVISION 23) SHALL FURNISH AND INSTALL EXHAUST HOODS, EXHAUST/SUPPLY FAN(S), CURBS, AND DUCTWORK.
2. GC (DIVISION 7) SHALL FLASH-IN ALL ROOF CURBS FOR EXHAUST/SUPPLY FAN(S).
3. ALL EXHAUST AND SUPPLY AIR SYSTEMS FOR EXHAUST HOODS TO BE TESTED AND BALANCED BY THE HVAC/MECHANICAL CONTRACTOR (DIVISION 23).
4. FIRE SUPPRESSION SYSTEM FOR EXHAUST HOODS SHALL BE FURNISHED AND INSTALLED BY HVAC/MECHANICAL CONTRACTOR (DIVISION 23).

VENTILATION GENERAL REQUIREMENTS

1. MECHANICAL EXHUAST SYSTEMS SHALL BE PROVIDED ABOVE ALL COOKING EQUIPMENT AND DISHWASHERS AS DIRECTED BY THE AUTHORITIES HAVING JURISDICTION.
2. EXHAUST HOODS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL BUILDING CODES AND MEET NSF, UL, AND NFPA-96 STANDARDS. HOODS ARE TO BEAR UL CLASSIFIED LABEL WITHOUT DAMPERS IN EXHAUST VENT OLLARS. HOODS SHALL BE DESIGNED WITH A MINIMUM 6INCH OVERHANG AT ALL EXPOSED COOKING AREAS.
3. MAKE-UP AIR MUST BE PROVIDED FOR MECHANICAL EXHAUST SYSTEMS AS REQ'D BY THE AUTHORITIES HAVING JURISDICTION. MAKE-UP AIR SHALL NOT CAUSE UNDUE TURBULENCE IN WORKING AREAS.
4. HVAC/MECHANICAL CONTRACTOR (DIVISION 23) TO COORDINATE LOCATIONS OF EXHAUST AND MAKE-UP AIR DUCT(S) WITH THE KEC (SECTION 114000)
5. EXHAUST DUCT IN ENCLOSED EXHAUST SHAFTS SHALL BE WRAPPED WITH APPROVED DUCT INSULATION OR SHALL MEET THE MINIMUM FIRE RATING AND CLEARANCE REQUIREMENTS TO COMBUSTIBLE AND NONCOMBUSTIBLE CONSTRUCTION AS DIRECTED BY CODE.
6. GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL FLASH-IN ALL ROOF CURBS FOR EXHAUST/MAKE-UP AIR FAN(S).
7. THE EXHAUST HOODS AND EXHAUST DUCT SYSTEMS SHALL BE PROVIDED WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM. THE FIRE SUPPRESSION SYSTEM SHALL BE ENGINEERED, SIZED, AND INSTALLED IN ACCORDANCE WITH UL 300, NFPA AND CODE.

PLUMBING GENERAL REQUIREMENTS (DIVISION 22)

1 FOODSERVICE DRAWINGS INDICATE PLUMBING ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL PLUMBING REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS. THE PLUMBING CONTRACTOR (DIVISION 22) SHALL FURNISH AND INSTALL PRESSURE REDUCING VALVES, FLOW CONTROLS, BACK FLOW PREVENTION, RPZ (REDUCED PRESSURE ZONE) VALVES, WATER HAMMER ARRESTOR, GATE VALVES, FOR WATER CONNECTIONS AS REQUIRED PER LOCAL CODES.

2 DIMENSIONS ARE SHOWN FROM FINISHED FLOORS, FINISHED WALLS, AND/OR COLUMN CENTERLINES TO CENTER OF ROUGH-IN.

3 ROUGH-INS, FIELD INTERCONNECTIONS, AND FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHALL BE COMPLETED BY PLUMBING CONTRACTOR (DIVISION 22).

4 PLUMBING TO BE CONCEALED WITHIN WALLS, CEILINGS, AND FLOORS WHERE POSSIBLE.

5 REUSE PLUMBING SERVICES WHERE APPLICABLE IN EXISTING/REMODELED FOODSERVICE AREAS. CAP OR REMOVE EXISTING SERVICE(S) MADE OBSOLETE BY NEW CONSTRUCTION AS DIRECTED BY CODE.

6 DIRECT AND INDIRECT WASTES ARE INDICATED IN FOODSERVICE AREAS. ADDITIONAL DRAINS MAY BE REQUIRED UNDER DIVISION 22.

7 FLOOR SINKS SHALL BE FLUSH WITH FINISH FLOOR UNLESS DIRECTED OTHERWISE BY THE AUTHORITIES HAVING JURISDICTION.

8 PROVIDE REMOVABLE GRATES OR COVERS ON PARTIALLY AND FULLY EXPOSED FLOOR SINKS.

9 FLOOR SINKS FOR DISHWASHERS, SCULLERY SINKS, AND WATER-WASH HOODS TO BE A MINIMUM 10" DEEP WITH 3" DRAIN WHERE APPLICABLE.

10 PROVIDE AND ROUTE DRAIN LINES FROM EQUIPMENT TO FLOOR SINKS WITH A MINIMUM 1/4" PER 1'-0" SLOPE. INSULATE DRAIN LINES SUSCEPTIBLE TO CENDENSATION (ICE BINS, REFRIGERATION UNITS, ETC).

11 SUPPORT ALL SUPPLY AND DRAIN LINES TIGHT AGAINST UNDERSIDE OF EQUIPMENT TO ALLOW SPACE FOR CLEANING.

12 KEC (SECTION 114000) SHALL FURNISH ALL FAUCETS, BASKET WASTES, TWIST/LEVER WASTES, GAS HOSES, AND VACUUM BREAKER/SAFETY REGULATORS AS SPECIFIED. PLUMBING CONTRACTOR (DIVISION 22) SHALL INSTALL ALL FAUCETS, BASKET WASTES, TWIST/LEVER WASTES, GAS HOSES, AND VACUUM BREAKER/SAFETY REGULATORS WITH THE NECESSARY COMPONENTS AND SUPPLY NIPPLES TO MAKE FINAL CONNECTIONS; INCLUDING THE INSTALLATION OF COMPONENTS NOT SHOWN OR SHIPPED LOOSE.

13 FLOOR AND WALL PENETRATIONS MUST BE SEALED WATER-TIGHT AND VERMIN PROOF.

14 FOODSERVICE EQUIPMENT DRAIN(S) ARE TO BE PIPED TO THE GREASE TRAP/INCEPTOR PROVIDED BY THE PLUMBING CONTRACTOR (DIVISION 22) AS DIRECTED BY AUTHORITIES HAVING JURISDICTION.

15 POTABLE WATER PRESSURE TO FOODSERVICE EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.

16 INCOMING GAS PRESSURE AT POINTS OF USE MUST MEET MANUFACTURER'S SPECIFIED WATER COLUMN REQUIREMENTS. INSTALL KEC (SECTION 114000) FURNISHED PRESSURE REGULATORS WHEN SHIPPED LOOSE WITH EQUIPMENT.

17 WATER HEATER(S) SHALL BE SIZED BY THE PLUMBING ENGINEER TO MEET THE CONSUMPTION REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.

18 PROVIDE 120 DEGREE F HOT WATER SUPPLY AT THREE-COMPARTMENT SINK(S).

19 UNLESS SPECIFIED AS FURNISHED BY KEC (SECTION 114000), PLUMBING CONTRACTOR (DIVISION 26) SHALL FURNISH AND INSTALL TEMPERATURE REDUCING DEVICES ON DRAIN LINES WHERE DISCHARGE WATER EXCEEDS MAXIMUM ALLOWABLE TEMPERATURE AS DIRECTED BY THE AUTHORITIES HAVING JURISDICTION.

20 ALL STEAM AND CONDENSATE CONNECTIONS SHALL BE INSTALLED AS DIRECTED BY CODE. PROVIDE PRESSURE REDUCING VALVES, STEAM TRAPS, SAFETY VALVES, SHUT-OFF VALVES, STRAINERS, WRAP, AND INSULATION AS REQ'D.

CUSTOM FABRICATION GENERAL REQUIREMENTS

1. THESE NOTES APPLY TO ITEMS LISTED AS "CUSTOM" FABRICATION AND DO NOT APPLY TO STAINLESS STEEL FABRICATION WITH A MANUFACTURER/BRAND AND MODEL NUMBER.
2. STAINLESS STEEL SHALL BE 18-8, TYPE 304 UNLESS NOTED OTHERWISE.
3. COUNTERTOPS AND SINKS SHALL BE 14 GAUGE UNLESS NOTED OTHERWISE.
4. UNDERSHELVES AND OVERSHELVES SHALL BE 18 GAUGE UNLESS NOTED OTHERWISE.
5. ENCLOSED CABINET BASES SHALL BE 18 GAUGE. DOORS SHALL BE DOUBLE WALL CONSTRUCTION WITH 18 GAUGE EXTERIOR.
6. LEGS SHALL BE 16 GAUGE, 1-5/8" O.D. TUBING WITH STAINLESS STEEL BULLET SHAPED FEET. CROSS-RAILS SHALL BE 16 GAUGE, 1-1/4" O.D. TUBING. ALL JOINTS BETWEEN LEGS, CROSS BRACES, AND UNDERSHELVES TO BE FULLY WELDED, GROUND, AND POLISHED SMOOTH. SPACING BETWEEN LEGS NOT TO EXCEED 5'-0" O.C.
7. REINFORCE TOPS, SHELVES, AND CABINET BASES WITH 12 GAUGE CHANNEL: ONE CENTER CHANNEL UP TO 36" WIDE AND TWO CHANNELS WHEN OVER 36" WIDE. CHANNEL SHALL BE STAINLESS STEEL IN WET AREAS AND WHERE EXPOSED.

ELECTRICAL GENERAL REQUIREMENTS (DIVISION 26)

1 FOODSERVICE DRAWINGS INDICATE ELECTRICAL ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL ELECTRICAL REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS.

2 ROUGH-INS, INTERWIRING, AND FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHALL BE COMPLETED BY ELECTRICAL CONTRACTOR (DIVISION 26).

3 FURNISH AND INSTALL ALL NECESSARY COMPONENTS TO MAKE FINAL CONNECTIONS; INCLUDING THE INSTALLATION OF COMPONENTS NOT SHOWN OR SHIPPED LOOSE.

4 VERIFY AVAILABLE BUILDING SERVICES WITH ELECTRICAL REQUIREMENTS OF ALL FOODSERVICE EQUIPMENT.

5 COVER PLATES IN FOODSERVICE AREAS SHALL BE STAINLESS STEEL UNLESS NOTED OTHERWISE.

6 COUNTERTOP HEIGHT RECEPTACLES IN FOODSERVICE AREAS SHALL BE INSTALLED HORIZONTALLY.

7 PROVIDE DEDICATED CIRCUITS FOR FOODSERVICE EQUIPMENT.

8 REUSE ELECTRICAL SERVICE WHERE APPLICABLE IN EXISTING/REMODELED FOODSERVICE AREAS. CAP OR REMOVE EXISTING SERVICE(S) MADE OBSOLETE BY NEW CONSTRUCTION AS DIRECTED BY CODE.

9 DIMENSIONS ARE SHOWN FROM FINISHED FLOORS, FINISHED WALLS, AND/OR COLUMN CENTERLINES TO CENTER OF ROUGH-IN.

10 ALL ELECTRICAL CONDUIT TO BE CONCEALED WITHIN WALLS, CEILINGS, AND FLOORS WHERE POSSIBLE.

11 PROVIDE GFCI PROTECTION AS DIRECTED BY CODE.

12 UNLESS SPECIFIED AS FURNISHED BY KEC (SECTION 114000), ELECTRICAL CONTRACTOR (DIVISION 26) SHALL FURNISH AND INSTALL ACCEPTABLE MEANS OF DISCONNECT FOR ALL ITEMS AS DIRECTED BY CODE.

13 PROVIDE LIQUID TIGHT D=CONDUIT WHERE EXPOSED IN FOODSERVICE AREAS UNLESS DIRECTED OTHERWISE BY CODE.

14 PROVIDE MINIMUM 6'-0" FLEXIBLE CONDUIT WHIP ON ALL MOBILE OR UNFASTENED FOODSWERVICE EQUIPMENT WITH DIRECT CONNECTION(S).

15 CONDUIT PENETRATING WALK-IN REFRIGERATION UNITS SHALL BE INSULATED OR OF MATERIAL TO PREVENT THERMAL TRANSFER. FOAM & SEAL INSIDE AND OUTSIDE OF PENETRATION(S) THRU WALK-IN TO PREVENT CONDENSATION.

16 INSTALL KEC (SECTION 114000) FURNISHED AIR CURTAIN(S) AND MICRO SWITCH(S) WHERE SPECIFIED.

GENERAL CONTRACTOR REQUIREMENTS (DIVISION 3, 6, 7, & 9)

1 GENERAL CONTRACTOR, ARCHITECT, ENGINEER(S), AND/OR OWNER SHALL NOTIFY THE KEC (SECTION 114000) OF ALL ADDENDUMS, BULLETINS, AND CHANGES TO THE BUILDING SPACE WITHIN AND AROUND ANY FOODSERVICE AREA(S) PRIOR TO CONSTRUCTION.

2 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL NOTIFY THE KEC (SECTION 114000) OF ANY DISCREPANCY BETWEEN DRAWINGS, CONSTRUCTION, AND CODE REQUIREMENTS WITH POTENTIAL IMPACT.

3 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE ACCESS AND PATH OF DELIVERY FOR FOODSERVICE EQUIPMENT TO FINAL LOCATION. COORDINATE REQUIREMENTS WITH KEC (SECTION 114000).

4 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE OPENINGS THRU FLOORS, CEILINGS, WALLS, AND ROOFS FOR UTILITY ACCESS, CONDUIT, RISERS, AND DUCTWORK UNLESS SPECIFIED OTHERWISE. OPENINGS SHALL BE DRILLED, CORE-BORED, OR CUT BYAN APPROVED METHOD.

5 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE FIRESTOP AT ALL FIRE-RATED BUILDING PENETRATIONS, SHAFTS, AND ASSEMBLIES AS DIRECTED BY CODE UNLESS SPECIFIED OTHERWISE.

6 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE ACCESS PANELS IN HARD LID CEILINGS FOR ACCESS TO EXHAUST CLEANOUTS, FIRE SUPPRESSION GAS VALVES, PULL BOXES, ETC.

7 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL FURNISH AND INSTALL WALL BLOCKING WHERE WALLS REQUIRE REINFORCEMENT. LENGTHS OF WALL BLOCKING ARE NOMINAL: ALWAYS EXTEND TO THE NEXT STUD IN EACH DIRECTION.

8 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL VERIFY & PROVIDE STRUCTURAL REINFORCEMENT TO BUILDING AS REQ'D FOR HANGING AND/OR MOUNTING OF KEC (SECTION 114000) FURNISHED EQUIPMENT. COORDINATE EQUIPMENT LOCATION(S) WITH KEC (SECTION 114000)

9 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE ADDITIONAL ROOF BRACING AND STRUCTURAL SUPPORT AS REQ'D FOR KEC (SECTION 114000) FURNISHED ROOFTOP REFRIGERATION UNITS, EXHAUST/MAKE-UP AIR FANS, ETC.

10 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE TRAPEZE HANGING SUPPORT FROM BUILDING STRUCTURE TO WITHIN 6'-0" ABOVE ALL EXHAUST HOOD(S) WHERE REQ'D.

11 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE FIRE-RATED SHAFTS AND DUCT WRAP IN ACCORDANCE WITH CODE UNLESS SPECIFIED OTHERWISE.

12 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE NON-COMBUSTIBLE WALL CONSTRUCTION OF MINIMUM 16 GA. METAL STUDS WITHIN 18" OF EXHAUST HOOD(S) OR AS DIRECTED BY THE AUTHORITIES HAVING JURISDICTION.

13 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE SPRINKLER PROTECTION IN WALK-IN REFRIGERATION UNITS AS REQ'D BY CODE. FOAM & SEAL INSIDE & OUTSIDE OF PENETRATION(S) THRU WALK-IN AND PROTECT SPRINKLER SYSTEM AGAINST FREEZING.

14 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE FIRE EXTINGUISHERS AS REQ'D BY CODE UNLESS SPECIFIED AS FURNISHED BY KEC (SECTION 114000)

15 GENERAL CONTRACTOR AND/OR SUBDIVISIONS SHALL PROVIDE SMOOTH CONCRETE SLAB FOR TRASH AND DUMPSTER AREA(S) AS LOCATED BY THE ARCHITECTURAL DRAWINGS.

FOODSERVICE SHEET LIST

NO.	SHEET NAME
GENERAL	
K-0	FOODSERVICE GENERAL NOTES, LEGENDS, SHEET INDEX
EQUIPMENT PLANS	
K-1	FOODSERVICE EQUIPMENT PLAN W/SCHEDULE
EQUIPMENT SCHEDULES	
K-1.1	FOODSERVICE EQUIPMENT SCHEDULE W/MAKE & MODEL
ELECTRICAL ROUGH-INS	
K-2	FOODSERVICE ELECTRICAL ROUGH-IN PLAN
PLUMBING ROUGH-INS	
K-3	FOODSERVICE PLUMBING ROUGH-IN PLAN
SPECIAL CONDITIONS	
K-4	FOODSERVICE SPECIAL CONDITIONS PLAN
ELEVATIONS	
K-5	FOODSERVICE INTERIOR ELEVATIONS
K-5.1	FOODSERVICE INTERIOR ELEVATIONS

FOODSERVICE ABBREVIATIONS (SECTION 114000)

AFF	ABOVE FINISHED FLOOR	INSUL	INSULATE(ION)
ALT	ALTERNATE	INT	INTERIOR
AMP	AMPERE	IW	INDIRECT WASTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	JB	JUNCTION BOX
BLDG	BUILDING	JBH	JUNCTION BOX - CEILING/HORIZONTAL MOUNTED
BTU	BRITISH THERMAL UNIT	JBW	JUNCTION BOX - WALL MOUNTED
C&P	CORD AND PLUG	KEC	KITCHEN EQUIPMENT CONTRACTOR
CFM	CUBIC FEET PER MINUTE	KW	KILOWATT HOUR
CL	CENTER LINE	LAM	LAMINATE
CLG	CEILING	LBS	POUNDS
CLR	COOLER	LT	LIGHT
CMU	CONCRETE MASONRY UNIT	MBTU	1000 BTU/HOUR
CO	CONVENIENCE OUTLET	MECH	MECHANICAL
COL	COLUMN	MTD	MOUNTED
CW	COLD WATER	MTP	MALE PIPE THREAD
DC	DROP CORD	N/A	NOT APPLICABLE
DFA	DOWN FROM ABOVE	NIC	NOT IN CONTRACT
DIA	DIAMETER	NTS	NOT TO SCALE
DIM	DIMENSION	OC	ON CENTER
DIV	DIVISION	OD	OUTSIDE DIAMETER
DR	DUPLEX RECEPTACLE	PC	PLUMBING CONTRACTOR
DW	DIRECT WASTE	PERF	PERFORATE(D)
DWG	DRAWING	PH	PHASE
EA	EACH	PLAM	PLASTIC LAMINATE
EC	ELECTRICAL CONTRACTOR	PLYWD	PLYWOOD
EQ	EQUAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	QR	QUAD RECEPTACLE
EXT	EXTERIOR	QT	QUARRY TILE
FD	FLOOR DRAIN	QTY	QUANTITY
FF	FINISHED FLOOR	RAD	RADIUS
FFD	FUNNEL FLOOR DRAIN	RCP	REFLECTED CEILING PLAN
FIN	FINISH(ED)	REQD	REQUIRED
FLR	FLOOR	RFG	REFRIGERATOR
FLUOR	FLUORESCENT	RI	ROUGH-IN
FPT	FEMALE PIPE THREAD	RM	ROOM
FRZ	FREEZER	SP	SPECIAL RECEPTACLE
FW	FILTERED WATER	SPEC	SPECIFICATION
GA	GAUGE	SR	SINGLE RECEPTACLE
GAL	GALLON	SS	STAINLESS STEEL
GALV	GALVANIZED	STD	STANDARD
GC	GENERAL CONTRACTOR	STP	STATIC PRESSURE
GFCI	GROUND FAULT CIRCUIT INTERUPTER	TTFD	TELL-TALE FLOOR DRAIN
GPM	GALLONS PER MINUTE	TYP	TYPICAL
HGT	HEIGHT	UDS	UTILITY DISTRIBUTION SYSTEM
HORZ	HORIZONTAL	VAC	VACUUM
HP	HORSEPOWER	VERT	VERTICAL
HVAC	HEATING, VENTILATING, AIR CONDITIONING	WH	WATER HEATER
HW	HOT WATER	WL	WALL
ID	INSIDE DIAMETER	WP	WEATHER PROOF
IN	INCH		
INCL	INCLUDE		
INST	INSTALL(ATION)		

DEFINITION OF TERMS

FURNISH: SUPPLY AND DELIVER TO APPROPRIATE CONTRACTOR FOR INSTALLATION.

INSTALL: FURNISH TO PROJECT SITE INCLUDING UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, PROTECTING, CLEANING AND SIMILAR OPERATIONS; READY FOR FINAL UTILITY CONNECTIONS BY APPROPRIATE CONTRACTOR.

PROVIDE: FURNISH AND INSTALL COMPLETE, READY FOR INTENDED USE.

TriMark
Foodservice Equipment, Supplies and Design

Midwest : Hockenbergs
14603 W. 112th Street
Lenexa, KS 66215

p. 913-491-4999

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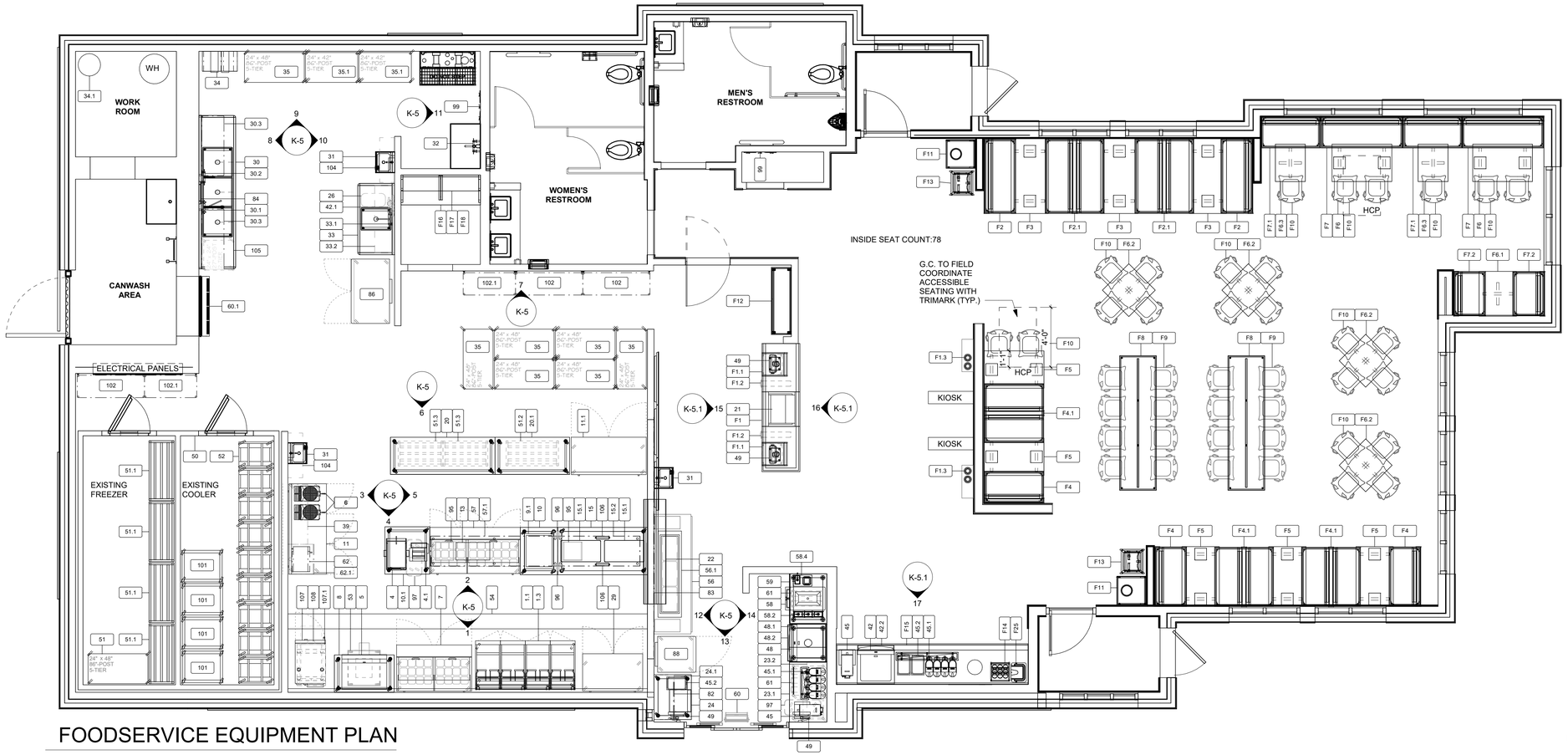
Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting construction and to notify TriMark of any material or detail changes.

REVISIONS

DATE	NO.	DESCRIPTION

SLIM CHICKENS

4



FOODSERVICE EQUIPMENT PLAN

1/4" = 1'-0"

SCALE: 1/4" = 1'-0" 0 2' 4' 8'

FOODSERVICE EQUIPMENT SCHEDULE

ITEM NO.	QTY	DESCRIPTION	REMARKS
1	1	SPARE NUMBER	
1.1	1	GAS HOSE KIT (1" DIA.)	
1.2	1	SPARE NUMBER	
1.3	1	FOUR BANK DEEP FAT FRYER W/FILTER, GAS	ON CASTERS
2-3	1	SPARE NUMBER	
4	1	TORTILLA PRESS	
4.1	1	CONVEYOR TOASTER	
5	1	COUNTERTOP GRIDDLE, ELECTRIC (36"W)	
5.1-5.2	1	SPARE NUMBER	
6	2	WAFFLE BAKER	BY VENDOR
7	1	BREADING STATION REFRIGERATOR (60 1/4"W)	ON CASTERS
8	1	WORK TABLE (48"W x 30"D x 31 1/2" HT.) (CROSSRAILS) (H.D.)	ON CASTERS
9	1	SPARE NUMBER	
9.1	1	DROP-IN HOT FOOD UNIT (2-WELL/6" DEEP)	ROTATED 90° IN WORKTABLE
10	1	WORK TABLE W/CUTOUT (30"W x 38"D x 35 5/8"H)	ON CASTERS
10.1	1	WORK TABLE (36"W x 38"D) (FLAT TOP) (CROSSRAILS)	ON CASTERS
11	1	WORKTOP REFRIGERATOR (72 5/8" W)	ON CASTERS
11.1	1	WORKTOP REFRIGERATOR (60 1/4"W)	ON CASTERS
12	1	SPARE NUMBER	
13	1	PRODUCT HOLDING UNIT (6-PAN) (PASS-THRU)	
14	1	SPARE NUMBER	
14.1	1	SPARE NUMBER	
15	1	WORK TABLE W/CUTOUT (72"W x 38"D x 35 5/8"H)	ON CASTERS
15.1	2	DROP-IN HOT FOOD UNIT (3-WELL/9" DEEP)	INCL. IN ITEM #15
15.2	1	DOUBLE OVERSHELF, CEILING MTD. (66"W x 24"D)	BOLT TO ITEM #57.1
16-19	1	SPARE NUMBER	
20	1	WORK TABLE (84"W x 30"D) (CROSSRAILS)	ON CASTERS
20.1	1	WORK TABLE (60"W x 30"D) (CROSSRAILS)	ON CASTERS
21	1	COUNTERTOP REFRIGERATED DISPLAY CASE	
22	1	PASS-THRU SHELF W/TRIM (84"W x 18"D)	
23	1	SPARE NUMBER	
23.1	1	BEVERAGE TABLE W/DRIP TROUGH (60"W x 30"D)	CUSTOM UNDERSTRUCTURE
23.2	1	WALL SHELF (48"W x 16"D)	MTD. HIGH
24	1	WORK TABLE (36"W x 30"D)	W/CASH DRAWER & ON CASTERS
24.1	1	WALL SHELF (36"W x 16"D)	
25	1	SPARE NUMBER	
26	1	TRASH CAN	SMALLWARES PKG.
27-28	1	SPARE NUMBER	
29	1	WORKTOP REFRIGERATOR (48 1/4"W)	ON CASTERS

FOODSERVICE EQUIPMENT SCHEDULE

ITEM NO.	QTY	DESCRIPTION	REMARKS
30	1	THREE COMPARTMENT SINK	W/ DRAINS
30.1	1	PRE-RINSE UNIT W/FAUCET	BY VENDOR
30.2	1	FAUCET	BY VENDOR
30.3	2	SMART WALL SHELVING (48" W)	
31	3	HAND SINK W/SIDE SPLASHES (KNEE-VALVE)	W/FAUCET & DRAIN
32	1	MOP SINK FAUCET	BY G.C.
33	1	ONE COMPARTMENT SINK W/DBL DRAINBOARDS	W/DRAIN
33.1	1	FAUCET W/10" NOZZLE	BY VENDOR
33.2	1	WALL SHELF (54"W x 16"D)	
34	1	BAG-N-BOX/CARBONATOR	BY VENDOR
34.1	1	BULK CO2 TANK	BY VENDOR
34.2	1	SPARE NUMBER	
35	7	WIRE SHELVING UNIT (48"W x 24"D x 86"H) (5-TIER)	ON CASTERS
35.1	2	WIRE SHELVING UNIT (42"W x 24"D x 86"H) (5-TIER)	ON CASTERS
36-38	1	SPARE NUMBER	
39	1	WALL SHELF (48"W x 16"D)	
40	1	SPARE NUMBER	
41-41.1	1	SPARE NUMBER	
42	1	ICE MACHINE (1327LB. CAPACITY)	
42.1	1	WATER FILTER SYSTEM	MTD. HIGH
42.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)	BY VENDOR
43-44	1	SPARE NUMBER	
45	2	TEA BREWER	BY VENDOR
45.1	8	TEA DISPENSER	BY VENDOR
45.2	3	LEMONADE DISPENSER	BY VENDOR
46-47	1	SPARE NUMBER	
48	1	ICE MACHINE (1327LB. CAPACITY)	
48.1	1	SODA WORKTABLE (30"W x 30"D x 31"H) (H.D.)	ON FLANGED FEET
48.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)	BY VENDOR
49	4	POS & MONITOR	BY OWNER
50	1	WALK-IN COOLER/FREEZER	EXISTING TO REMAIN
51	1	DUNNAGE WIRE SHELVING (48"W x 24"D x 86"H) (5-TIER)	ON CASTERS
51.1	4	DUNNAGE RACK (48"W x 20"D x 12"H)	
51.2	1	DUNNAGE RACK (42"W x 20"D x 8"H)	
51.3	2	DUNNAGE RACK (36"W x 20"D x 8"H)	
52	9	MOBILE PAN RACK (30 SLIDE CAPACITY)	ON CASTERS
53	1	MOBILE BREAD RACK	BY VENDOR
54	1	EXHAUST HOOD	EXISTING TO REMAIN
55	1	SPARE NUMBER	
56	1	SAUCE-OUT TABLE W/CUTOUTS (96"W x 30 5/8"D x 34"H)	ON CASTERS

FOODSERVICE EQUIPMENT SCHEDULE

ITEM NO.	QTY	DESCRIPTION	REMARKS
56.1	1	DROP-IN REFRIGERATED COLD WELL	INCL. IN ITEM #56
57	1	SANDWICH/SALAD PREP REF. (72 5/8"W)	ON CASTERS
57.1	1	DOUBLE OVERSHELF, CEILING MTD. (102"W x 24"D)	BOLT TO ITEM #15.2
58	1	SHAKE MACHINE	
58.1	1	SPARE NUMBER	
58.2	1	3-TIER FOUNTAIN JAR WIRE RACK	
58.3	1	SPARE NUMBER	
58.4	1	COUNTERTOP SYRUP & TOPPINGS RAIL	
59	1	WORK TABLE (40"W x 30"D x 31"H) (H.D.)	ON FLANGED FEET
60	1	AIR CURTAIN, HEATED, DRIVE-THRU	
60.1	1	AIR CURTAIN, UNHEATED, BACK DOOR	
61	5	CUP DISPENSER, UNDERCOUNTER	
62	1	MICROWAVE OVEN	
62.1	1	MICROWAVE SHELF	
63-81	1	SPARE NUMBER	
82	1	CHECK HOLDER	WALL MTD.
83	1	CHECK MINDER	WALL MTD.
84	1	MAGNETIC KNIFE HOLDER	WALL MTD.
85	1	SPARE NUMBER	
86	1	REACH-IN TWO SECTION REFRIGERATOR (51 3/4"W)	ON CASTERS
87	1	SPARE NUMBER	
88	1	REACH-IN FREEZER (28 3/4"W) (RIGHT HINGE)	ON CASTERS
89-94	1	SPARE NUMBER	
95	2	PAPER WRAP HOLDER	
96	2	VERTICAL SAUCE BOTTLE HOLDER	
97	2	INGREDIENT BIN (21 GAL.)	SMALLWARES PKG.
98	1	SPARE NUMBER	
99	2	BROOM/MOP HOLDER	WALL MTD.
100	1	SPARE NUMBER	
101	4	MOBILE FOOD PAN TROLLEY (18 SLIDE CAPACITY)	
102	3	WALL MT. WIRE SHELF W/BRACKETS (54"W x 18"D)	MTD. HIGH
102.1	2	WALL MT. WIRE SHELF W/BRACKETS (42"W x 18"D)	MTD. HIGH
103	1	SPARE NUMBER	
104	2	WALL SHELF (36"W x 12"D)	
105	1	WIRE SHELVING UNIT (24"W x 24"D x 32"H) (2-TIER)	ON CASTERS
106	2	TIMER	MTD. TO TOP OF BOTTOM O/S
107	1	MULTI-COOK OVEN, ELECTRIC (208V/3PH)	
107.1	1	EQUIPMENT STAND	
108	1	DRAWER WARMER, NARROW (1-TIER) (120V)	

FOODSERVICE FURNITURE SCHEDULE

ITEM NO.	QTY	DESCRIPTION	REMARKS
F1	1	FRONT COUNTER ASSEMBLY	
F1.1	2	POS SHROUD	
F1.2	6	CUP DISPENSER, UNDERCOUNTER	
F1.3	4	CUP DISPENSER, DROP-IN	
F2	2	SINGLE BOOTH (60"W)	(1) FINISHED END
F2.1	2	DOUBLE BOOTH (60"W)	
F3	3	BOOTH TABLE TOP (60"W x 30"D)	
F4	3	BANQUETTE WALL BENCH (48"W)	(1) FINISHED END
F4.1	3	DOUBLE BOOTH (48"W)	
F5	5	BOOTH TABLE TOP (48"W x 30"D)	
F6	2	TABLE TOP (48"W x 30"D)	
F6.1	1	TABLE TOP (36"W x 30"D)	
F6.2	4	TABLE TOP (30"W x 30"D)	
F6.3	2	TABLE TOP (24"W x 30"D)	
F7	2	BANQUETTE WALL BENCH (66"W)	
F7.1	2	BANQUETTE WALL BENCH (48"W)	
F7.2	2	SINGLE BOOTH (36")	
F8	2	FARM TABLE TOP (108"W x 29 1/2"D) (MID HEIGHT)	
F9	16	BAR STOOL (MID HEIGHT)	
F10	24	INDOOR CHAIR	
F11	2		
F12	1	OLO CABINET (54"W X 16"D X 54"H)	
F13	2	HIGHCHAIR	SMALLWARES PKG.
F14	1	9-HOLE CONDIMENT ORGANIZER	
F15	1	BEVERAGE COUNTER W/DRAIN TROUGH	
F16	1	OFFICE COUNTERTOP	
F17	1	OFFICE WALL SHELF	
F18	1	OFFICE CHAIR	BY OWNER
F19-F24	1	SPARE NUMBER	
F25	1	BOOSTER SEAT	SMALLWARES PKG.
F26	1	SPARE NUMBER	

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REVISIONS

DATE	NO.	DESCRIPTION

SLIM CHICKENS

4002 S I-35 SOUTH FRONTAGE RD.
SAN MARCOS, TX
STORE XXXXX
(ZAXBY'S CONVERSION)
FOODSERVICE

PROJECT: 2025047

DATE: 07/17/2025

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

DRAWN: MAH | APPROVED: RB

SHEET: FOODSERVICE EQUIPMENT PLAN W/SCHEDULE

SHEET NUMBER: K-1

7/17/2025 12:29:51 PM

FOODSERVICE EQUIPMENT SCHEDULE - M/M

ITEM NO.	QTY	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
1	1	SPARE NUMBER			
1.1	1	GAS HOSE KIT (1" DIA.)	T&S BRASS	HG-4E-48K	
1.2	1	SPARE NUMBER			
1.3	1	FOUR BANK DEEP FAT FRYER W/FILTER, GAS	FRYMASTER	SCFHD460	ON CASTERS
2-3	1	SPARE NUMBER			
4	1	TORTILLA PRESS	WARING	WFG275	
4.1	1	CONVEYOR TOASTER	ANTUNES	VCTM-3N1	
5	1	COUNTERTOP GRIDDLE, ELECTRIC (36"W)	STAR MANUFACTURING	536TGF	
5.1-5.2	1	SPARE NUMBER			
6	2	WAFFLE BAKER			BY VENDOR
7	1	BREADING STATION REFRIGERATOR (60 1/4"W)	TURBO AIR	MST-60-24-N	ON CASTERS
8	1	WORK TABLE (48"W x 30"D x 31 1/2" HT.) (CROSSRAILS) (H.D.)	STAINLESS MANUFACTURER	CUSTOM	ON CASTERS
9	1	SPARE NUMBER			
9.1	1	DROP-IN HOT FOOD UNIT (2-WELL/6" DEEP)	ALTO-SHAAM	200-HW/D6	ROTATED 90° IN WORKTABLE
10	1	WORK TABLE W/CUTOUT (30"W x 38"D x 35 5/8"H)	STAINLESS MANUFACTURER	CUSTOM	ON CASTERS
10.1	1	WORK TABLE (36"W x 38"D) (FLAT TOP) (CROSSRAILS)	STAINLESS MANUFACTURER	CUSTOM	ON CASTERS
11	1	WORKTOP REFRIGERATOR (72 5/8" W)	TURBO AIR	TWR-72SD-N	ON CASTERS
11.1	1	WORKTOP REFRIGERATOR (60 1/4"W)	TURBO AIR	TWR-60SD-N	ON CASTERS
12	1	SPARE NUMBER			
13	1	PRODUCT HOLDING UNIT (6-PAN) (PASS-THRU)	PRINCE CASTLE	EHBP23	
14	1	SPARE NUMBER			
14.1	1	SPARE NUMBER			
15	1	WORK TABLE W/CUTOUT (72"W x 38"D x 35 5/8"H)	FRANKE	18028710 (MOD.)	ON CASTERS
15.1	2	DROP-IN HOT FOOD UNIT (3-WELL/9" DEEP)	FRANKE		INCL. IN ITEM #15
15.2	1	DOUBLE OVERSHELF, CEILING MTD. (66"W x 24"D)	STAINLESS MANUFACTURER	CUSTOM	BOLT TO ITEM #57.1
16-19	1	SPARE NUMBER			
20	1	WORK TABLE (84"W x 30"D) (CROSSRAILS)	STAINLESS MANUFACTURER	CUSTOM	ON CASTERS
20.1	1	WORK TABLE (60"W x 30"D) (CROSSRAILS)	STAINLESS MANUFACTURER	CUSTOM	ON CASTERS
21	1	COUNTERTOP REFRIGERATED DISPLAY CASE	GLOBAL INDUSTRIES	WB243207	
22	1	PASS-THRU SHELF W/TRIM (84"W x 18"D)	STAINLESS MANUFACTURER	CUSTOM	
23	1	SPARE NUMBER			
23.1	1	BEVERAGE TABLE W/DRIP TROUGH (60"W x 30"D)	STAINLESS MANUFACTURER	CUSTOM	CUSTOM UNDERSTRUCTURE
23.2	1	WALL SHELF (48"W x 16"D)	STAINLESS MANUFACTURER	CUSTOM	MTD. HIGH
24	1	WORK TABLE (36"W x 30"D)	STAINLESS MANUFACTURER	CUSTOM	W/CASH DRAWER & ON CASTERS
24.1	1	WALL SHELF (36"W x 16"D)	STAINLESS MANUFACTURER	CUSTOM	
25	1	SPARE NUMBER			
26	1	TRASH CAN			SMALLWARES PKG.
27-28	1	SPARE NUMBER			
29	1	WORKTOP REFRIGERATOR (48 1/4"W)	TURBO AIR	TWR-48SD-N	ON CASTERS
30	1	THREE COMPARTMENT SINK	JOHN BOOS	3B244-2D24	W/ DRAINS
30.1	1	PRE-RINSE UNIT W/FAUCET	T&S BRASS	B-0287	BY VENDOR
30.2	1	FAUCET	T&S BRASS	B-2414-CR-SC	BY VENDOR
30.3	2	SMART WALL SHELVING (48" W)	METRO		
31	3	HAND SINK W/SIDE SPLASHES (KNEE-VALVE)	JOHN BOOS	PBHS-W-1410-KV2APN-SS	W/FAUCET & DRAIN
32	1	MOP SINK FAUCET	T&S BRASS	B-0655-BSTP	BY G.C.
33	1	ONE COMPARTMENT SINK W/DBL DRAINBOARDS	JOHN BOOS	1B18244-2D18	W/DRAIN
33.1	1	FAUCET W/10" NOZZLE	T&S BRASS	B-2429-CR	BY VENDOR
33.2	1	WALL SHELF (54"W x 16"D)	STAINLESS MANUFACTURER	CUSTOM	
34	1	BAG-N-BOX/CARBONATOR			BY VENDOR
34.1	1	BULK CO2 TANK			BY VENDOR
34.2	1	SPARE NUMBER			
35	7	WIRE SHELVING UNIT (48"W x 24"D x 86"H) (5-TIER)	TRIMARK	TMFF2448G	ON CASTERS
35.1	2	WIRE SHELVING UNIT (42"W x 24"D x 86"H) (5-TIER)	TRIMARK	TMFF2442G	ON CASTERS
36-38	1	SPARE NUMBER			
39	1	WALL SHELF (48"W x 16"D)	STAINLESS MANUFACTURER	CUSTOM	
40	1	SPARE NUMBER			
41-41.1	1	SPARE NUMBER			
42	1	ICE MACHINE (1327LB. CAPACITY)	HOSHIZAKI	F-1501MAJ-C	
42.1	1	WATER FILTER SYSTEM	3M PURIFICATION	DP290	MTD. HIGH
42.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)	CORNELIUS	DURAFLEX 200 - 10 VALVE	BY VENDOR
43-44	1	SPARE NUMBER			
45	2	TEA BREWER	CURTIS	RSTB	BY VENDOR
45.1	8	TEA DISPENSER	CURTIS	TCN	BY VENDOR
45.2	3	LEMONADE DISPENSER	CRATHCO	CS-1D-16	BY VENDOR
46-47	1	SPARE NUMBER			
48	1	ICE MACHINE (1327LB. CAPACITY)	HOSHIZAKI	F-1501MAJ-C	
48.1	1	SODA WORKTABLE (30"W x 30"D x 31"H) (H.D.)	STAINLESS MANUFACTURER	CUSTOM	ON FLANGED FEET
48.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)	CORNELIUS	DURAFLEX 200 - 10 VALVE	BY VENDOR
49	4	POS & MONITOR			BY OWNER
50	1	WALK-IN COOLER/FREEZER	EXISTING		EXISTING TO REMAIN
51	1	DUNNAGE WIRE SHELVING (48"W x 24"D x 86"H) (5-TIER)	METRO	2448DRK3	ON CASTERS
51.1	4	DUNNAGE RACK (48"W x 20"D x 12"H)	NEW AGE	2005	
51.2	1	DUNNAGE RACK (42"W x 20"D x 8"H)	CHOICE EQUIPMENT	SU31-42208-C	
51.3	2	DUNNAGE RACK (36"W x 20"D x 8"H)	NEW AGE	2017	
52	9	MOBILE PAN RACK (30 SLIDE CAPACITY)	CHANNEL	400A	ON CASTERS
53	1	MOBILE BREAD RACK			BY VENDOR
54	1	EXHAUST HOOD	EXISTING		EXISTING TO REMAIN
55	1	SPARE NUMBER			
56	1	SAUCE-OUT TABLE W/CUTOUTS (96"W x 30 5/8"D x 34"H)	STAINLESS MANUFACTURER	CUSTOM	ON CASTERS
56.1	1	DROP-IN REFRIGERATED COLD WELL	HATCO	CWB-S3	INCL. IN ITEM #56
57	1	SANDWICH/SALAD PREP REF. (72 5/8"W)	TURBO AIR	TST-72SD-30-N	ON CASTERS
57.1	1	DOUBLE OVERSHELF, CEILING MTD. (102"W x 24"D)	STAINLESS MANUFACTURER	CUSTOM	BOLT TO ITEM #15.2

FOODSERVICE EQUIPMENT SCHEDULE - M/M

ITEM NO.	QTY	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
58	1	SHAKE MACHINE	TAYLOR COMPANY	490-A	
58.1	1	SPARE NUMBER			
58.2	1	3-TIER FOUNTAIN JAR WIRE RACK	CAL-MIL	CAL400	
58.3	1	SPARE NUMBER			
58.4	1	COUNTERTOP SYRUP & TOPPINGS RAIL	RUSSCO	ITEM #58.4	
59	1	WORK TABLE (40"W x 30"D x 31"H) (H.D.)	STAINLESS MANUFACTURER	CUSTOM	ON FLANGED FEET
60	1	AIR CURTAIN, HEATED, DRIVE-THRU	BERNER	DTU03-1018EA	
60.1	1	AIR CURTAIN, UNHEATED, BACK DOOR	BERNER	SLC07-1048A-BK	
61	5	CUP DISPENSER, UNDERCOUNTER	FRANKE	27802671	
62	1	MICROWAVE OVEN	PANASONIC	NE-1054F	
62.1	1	MICROWAVE SHELF	STAINLESS MANUFACTURER	CUSTOM	
63-81	1	SPARE NUMBER			
82	1	CHECK HOLDER	SAN JAMAR	CK6530A	WALL MTD.
83	1	CHECK MINDER	TABLECRAFT	5572	WALL MTD.
84	1	MAGNETIC KNIFE HOLDER	ABC	MGB-18	WALL MTD.
85	1	SPARE NUMBER			
86	1	REACH-IN TWO SECTION REFRIGERATOR (51 3/4"W)	TURBO AIR	M3R47-2-N	ON CASTERS
87	1	SPARE NUMBER			
88	1	REACH-IN FREEZER (28 3/4"W) (RIGHT HINGE)	TURBO AIR	M3F24-1-N	ON CASTERS
89-94	1	SPARE NUMBER			
95	2	PAPER WRAP HOLDER	STAINLESS MANUFACTURER	CUSTOM	
96	2	VERTICAL SAUCE BOTTLE HOLDER	STAINLESS MANUFACTURER	CUSTOM	
97	2	INGREDIENT BIN (21 GAL.)	CAMBRO	IBS20148	SMALLWARES PKG.
98	1	SPARE NUMBER			
99	2	BROOM/MOP HOLDER	BY VENDOR		WALL MTD.
100	1	SPARE NUMBER			
101	4	MOBILE FOOD PAN TROLLEY (18 SLIDE CAPACITY)	CAMBRO	UGNPR21F36480	
102	3	WALL MT. WIRE SHELF W/BRACKETS (54"W x 18"D)	TRIMARK	TMFF1854G	MTD. HIGH
102.1	2	WALL MT. WIRE SHELF W/BRACKETS (42"W x 18"D)	TRIMARK	TMFF1842G	MTD. HIGH
103	1	SPARE NUMBER			
104	2	WALL SHELF (36"W x 12"D)	STAINLESS MANUFACTURER	CUSTOM	
105	1	WIRE SHELVING UNIT (24"W x 24"D x 32"H) (2-TIER)	TRIMARK	TMFF2424G	ON CASTERS
106	2	TIMER	ZAP TIMER	800	MTD. TO TOP OF BOTTOM O/S
107	1	MULTI-COOK OVEN, ELECTRIC (208V/3PH)	ALTO-SHAAM	CMC-H2H	
107.1	1	EQUIPMENT STAND	ALTO-SHAAM	5033304: CMC	
108	1	DRAWER WARMER, NARROW (1-TIER) (120V)	ALTO-SHAAM	500-1DN	

FOODSERVICE FURNITURE SCHEDULE - M/M

ITEM NO.	QTY	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
F1	1	FRONT COUNTER ASSEMBLY	MSW	TBD	
F1.1	2	POS SHROUD	MSW	4021-15136	
F1.2	6	CUP DISPENSER, UNDERCOUNTER	FRANKE	27802671	
F1.3	4	CUP DISPENSER, DROP-IN	FRANKE	27800475	
F2	2	SINGLE BOOTH (60"W)	MSW	1805-14883	(1) FINISHED END
F2.1	2	DOUBLE BOOTH (60"W)	MSW	1805-14885	
F3	3	BOOTH TABLE TOP (60"W x 30"D)	MSW	11204-14890	
F4	3	BANQUETTE WALL BENCH (48"W)	MSW	1805-14881	(1) FINISHED END
F4.1	3	DOUBLE BOOTH (48"W)	MSW	1805-14882	
F5	5	BOOTH TABLE TOP (48"W x 30"D)	MSW	11204-14888	
F6	2	TABLE TOP (48"W x 30"D)	MSW	11204-14888	
F6.1	1	TABLE TOP (36"W x 30"D)	MSW	TBD	
F6.2	4	TABLE TOP (30"W x 30"D)	MSW	11204-14891	
F6.3	2	TABLE TOP (24"W x 30"D)	MSW	TBD	
F7	2	BANQUETTE WALL BENCH (66"W)	MSW	1806-15194	
F7.1	2	BANQUETTE WALL BENCH (48"W)	MSW	TBD	
F7.2	2	SINGLE BOOTH (36")	MSW	TBD	
F8	2	FARM TABLE TOP (108"W x 29 1/2"D) (MID HEIGHT)	MSW	11752-14441	
F9	16	BAR STOOL (MID HEIGHT)	MSW	6055-15413	
F10	24	INDOOR CHAIR	MSW	6055-15412	
F11	2				
F12	1	OLO CABINET (54"W X 16"D X 54"H)	MSW	TBD	
F13	2	HIGHCHAIR	HOCKENBERGS	HIGHCHAIR	SMALLWARES PKG.
F14	1	9-HOLE CONDIMENT ORGANIZER	MSW	4021-13134	
F15	1	BEVERAGE COUNTER W/DRAIN TROUGH	MSW	TBD	
F16	1	OFFICE COUNTERTOP	MSW	TBD	
F17	1	OFFICE WALL SHELF	MSW	TBD	
F18	1	OFFICE CHAIR			BY OWNER
F19-F24	1	SPARE NUMBER			
F25	1	BOOSTER SEAT	TRIMARK	TBD	SMALLWARES PKG.
F26	1	SPARE NUMBER			

TriMark
Foodservice Equipment, Supplies and Design

Midwest : Hockenbergs
14603 W. 112th Street
Lenexa, KS 66215

p. 913-491-4999

trimarkusa.com

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Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting construction and to notify TriMark of any material or detail changes.

REVISIONS

DATE	NO.	DESCRIPTION

SLIM CHICKENS

4002 S I-35 SOUTH FRONTAGE RD.
SAN MARCOS, TX
STORE XXXXX
(ZAXBY'S CONVERSION)
FOODSERVICE

PROJECT: 2025047

DATE: 07/17/2025

SCALE:

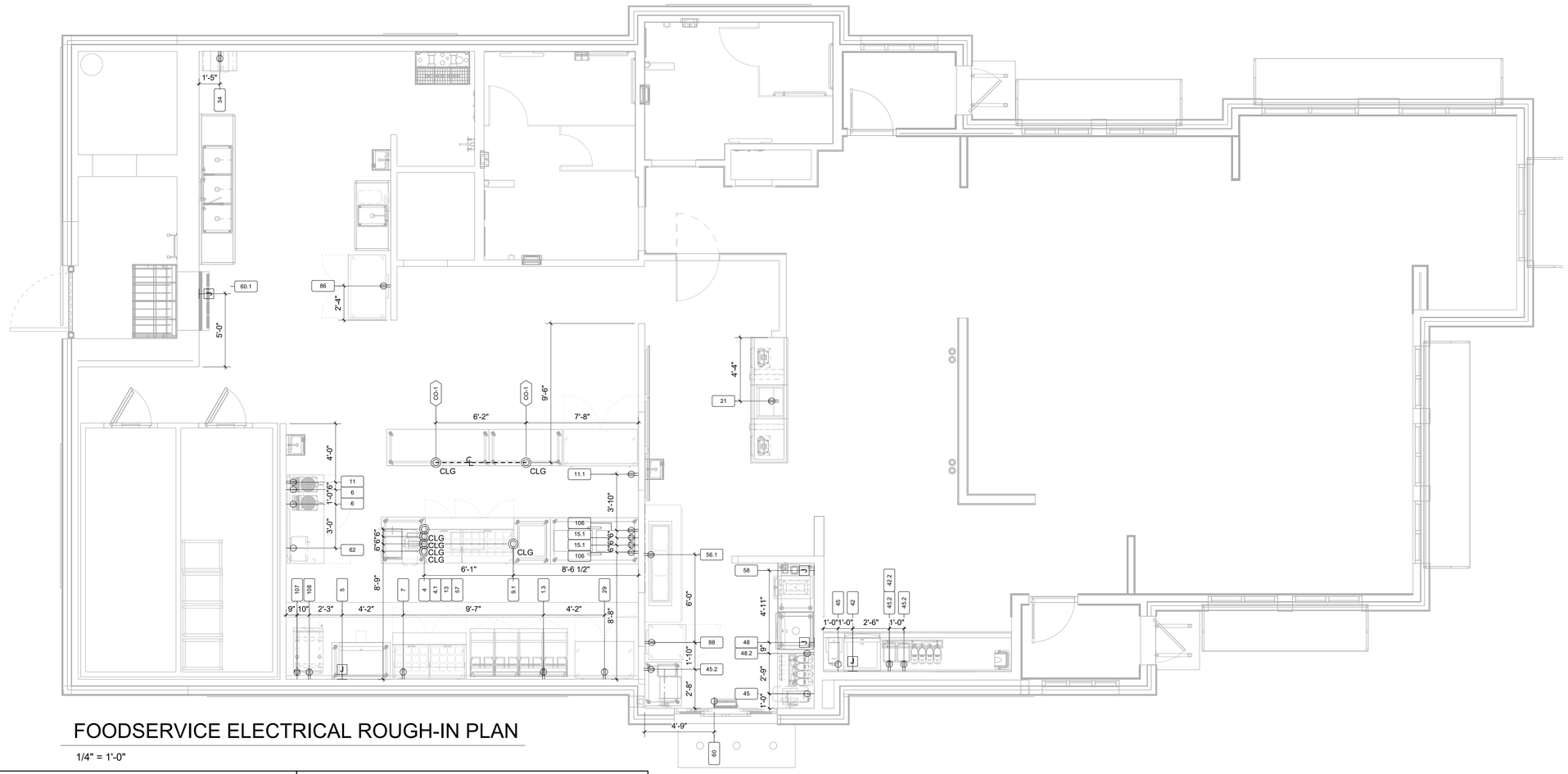
DRAWN: MAH | APPROVED: RB

SHEET: FOODSERVICE EQUIPMENT SCHEDULE W/MAKE & MODEL

SHEET NUMBER: K-1.1

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THIS DOCUMENT WAS ORIGINALLY PRINTED ON A 24" x 36" SIZE SHEET



FOODSERVICE ELECTRICAL ROUGH-IN PLAN

1/4" = 1'-0"

ELECTRICAL NOTES (DIVISION 26)

A. FURNISH AND INSTALL CORD AND PLUG SET(S).
B. FURNISH AND INSTALL DEVICE & COVER IN KEC (SECTION 114000) FURNISHED JUNCTION BOX.
C. FURNISH AND INSTALL JUNCTION BOX(S), DEVICE(S), AND COVER(S) IN KEC (SECTION 114000) FURNISHED EQUIPMENT AS LOCATED BY MANUFACTURER. INTERWIRE SECTIONS & DEVICES AS REQ'D.
D. CONNECT THRU DISPOSER CONTROL TO SOLENOID VALVE AND MOTOR.
E. CONNECT FROM KEC (SECTION 114000) FURNISHED ICE MACHINE TO REMOTE CONDENSER AS REQ'D.
F. CONNECT THRU KEC (SECTION 114000) FURNISHED AIR CURTAIN TO DOOR ACTIVATED MICROWSITCH.
G. CONNECT THRU KEC (SECTION 114000) FURNISHED REMOTE CONTROL SWITCH(ES).
H. FURNISH AND INSTALL SWITCH. CONNECT TO LIGHTS FURNISHED AND INSTALLED BY KEC (SECTION 114000).
I. CONNECT POWER SUPPLY TO KEC (SECTION 114000) FURNISHED LOAD CENTER. COUNTER SHALL BE PREWIRED AND SHIPPED IN SECTIONS. CONNECT BETWEEN SECTIONS.
J CONNECT TO KEC (SECTION 114000) FURNISHED JUNCTION BOX AT WALK-IN DOOR ASSEMBLY. LIGHT FIXTURE AT DOOR IS PREWIRED TO FACTORY MOUNTED LIGHT SWITCH. MOUNT ADDITIONAL KEC (SECTION 114000) FURNISHED LIGHTS WHERE INDICATED AND CONNECT TO SWITCH. CONDUIT SHALL BE INSTALLED ABOVE WALK-IN AND NOT EXPOSED ON INTERIOR UNLESS REQ'D. CONDUIT PENETRATING WALK-IN SHALL BE NON-METALLIC OR PVC.
K CONNECT KEC (SECTION 114000) FURNISHED TEMPERATURE ALARM SYSTEM. COORDINATE WITH BUILDING SYSTEMS.
L. INSTALL KEC (SECTION 114000) FURNISHED DEFROST TIMER. CONNECT THRU TIMER TO EVAPORATOR COIL.
M. CONNECT FROM KEC (SECTION 114000) FURNISHED CONDENSING UNIT, THRU DEFROST TIMER, TO EVAPORATOR COIL.
N. FURNISH AND INSTALL NEMA RECEPTACLE WITH WEATHER COVER BEHIND FREEZER EVAPORATOR COIL FOR DRAIN LINE HEATER.
O. CONNECT EXHAUST FAN THRU FAN CONTROL CONTACTS IN DISHWASHER.
P. CONNECT TABLE LIMIT SWITCH TO DRY CONTACT ON KEC (SECTION 11400) FURNISHED DISH MACHINE.
Q. CONNECT DRAIN WATER TEMPERING DEVICE PER MANUFACTURER'S RECOMMENDATIONS.
R. CONNECT TO EXHAUST HOOD LIGHT(S), CONTROL(S), AND EXHAUST FAN(S)/MAKE-UP AIR UNIT(S) AS REQ'D. INTERWIRE HOOD SECTIONS, MOTOR STARTER(S)/DRIVES, AND OVERLOAD PROTECTION AS REQ'D. INSTALL COMPONENTS AND SENSORS SHIPPED LOOSE. REFER TO SYSTEM SHOP DRAWING(S) FOR ADDITIONAL SCHEMATICS.
S. CONNECT 120 VOLT FROM KEC (SECTION 114000) FURNISHED MICRO SWITCH IN FIRE SUPPRESSION SYSTEM CONTROL PANEL TO SHUNT TRIP BREAKER(S) FOR SHUT DOWN OF POWER TO ALL ELECTRICAL DEVICES UNDER HOOD(S) AND 18" OUTSIDE PERIMETER OF HOOD(S). CONNECT FROM MICRO SWITCH TO DIVISION 26 FURNISHED RELAY(S) OR SWITCHES FOR SHUT DOWN/CONTROL OF HOOD LIGHTS, MAKE-UP AIR FAN, AND FIRE ALARM SYSTEM.
T. CONNECT 120 VOLT FROM KEC (SECTION 114000) FURNISHED MICRO SWITCH IN FIRE SUPPRESSION SYSTEM CONTROL PANEL THRU MANUAL RESET RELAY TO ELECTRIC GAS VALVE. PROVIDE CONTROL/INTERWIRING BETWEEN THE FIRE SUPPRESSION SYSTEM AND ASSOCIATED ELECTRICAL GAS SOLENOID VALVES, RESET RELAYS, AND PULL STATIONS AS REQ'D.
U. FURNISH AND INSTALL CONCEALED CONDUIT AND RECESSED OCTAGONAL JUNCTION BOX IN WALL AT 42"-48" AFF FOR REMOTE MANUAL PULL STATION(S). COORDINATE LOCATION(S) WITH FIRE SUPPRESSION SYSTEM CONTRACTOR AND AUTHORITIES HAVING JURISDICTION PRIOR TO ROUGH-IN.
V. PROVIDE 3/4" EMPTY CONDUIT AND JUNCTION BOX FOR DATA CONNECTION. VERIFY EXACT REQUIREMENTS AND TERMINATION POINTS PRIOR TO ROUGH-IN.

ELECTRICAL LEGEND

- DUPLEX RECEPTACLE
- WP — WEATHERPROOF RECEPTACLE
- SINGLE RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- QUAD RECEPTACLE
- FLUSH FLOOR MOUNT RECEPTACLE
- JUNCTION BOX - FLOOR/CLG MOUNTED
- JUNCTION BOX - WALL MOUNTED
- S — SWITCH
- DATA CONNECTION
- F — MANUAL FIRE PULL STATION
- CLG — DROP CORD MOUNTED FROM CEILING
- CONDUIT STUB LOCATION
- T — DEFROST TIME CLOCK
- DISCONNECT
- LIGHT - RECTANGULAR
- LIGHT - ROUND
- MOTOR
- SNSR — EXHAUST HOOD SENSOR
- TEMP — TEMPERATURE SENSOR
- PLUG MOLD

CONVENIENCE OUTLET SCHEDULE

ID NO.	QTY.	RECEPTACLE TYPE	NEMA	HGT AFF
CO-1	2	DROP-CORD RECEPTACLE (DFA)	5-20R	0"

FOODSERVICE ELECTRICAL SCHEDULE

			ELECTRICAL					ROUGH-IN / CONNECTION				
ITEM NO.	QTY	DESCRIPTION	VOLTS	PH	KW	HP	AMPS	TYPE	NEMA	ROUTING	HGT AFF	REMARKS
1.3	1	FOUR BANK DEEP FAT FRYER W/FILTER, GAS	120	1	1.44	.33	12.00	C&P	5-15P	WL	24"	THIS IS FOR CONTROLS & FILTERS
4	1	TORTILLA PRESS	120	1	1.80		15.00	C&P	5-15P	DFA		
4.1	1	CONVEYOR TOASTER	208	1	3.10		20.00	C&P	6-20P	DFA		208-230V
5	1	COUNTERTOP GRIDDLE, ELECTRIC (36"W)	208	3	9.01		25.00	JBOX		WL	50"	
6	2	WAFFLE BAKER	120	1	1.30		11.00	C&P	5-15P	WL	50"	TWO PLACES
7	1	BREADING STATION REFRIGERATOR (60 1/4"W)	120	1		.33	4.40	C&P	5-15P	WL	24"	
9.1	1	DROP-IN HOT FOOD UNIT (2-WELL/6" DEEP)	208	1	0.90		4.30	C&P	6-15P	DFA		
11	1	WORKTOP REFRIGERATOR (72 5/8" W)	120	1		.2	2.50	C&P	5-15P	WL	24"	
11.1	1	WORKTOP REFRIGERATOR (60 1/4"W)	120	1		.2	2.40	C&P	5-15P	WL	18"	
13	1	PRODUCT HOLDING UNIT (6-PAN) (PASS-THRU)	120	1	1.39		12.00	C&P	5-15P	DFA		
15.1	2	DROP-IN HOT FOOD UNIT (3-WELL/9" DEEP)	208	1	1.70		8.17	C&P	L14-20P	WL	18"	TWO PLACES
21	1	COUNTERTOP REFRIGERATED DISPLAY CASE	120	1		2.70	1.80	C&P	5-15P	WL	24"	
29	1	WORKTOP REFRIGERATOR (48 1/4"W)	120	1		0.2	2.50	C&P	5-15P	WL	24"	
34	1	BAG-N-BOX/CARBONATOR	120	1			10.00	C&P	5-15P	WL	86"	NIKEC/VERIFY UTILITIES
42	1	ICE MACHINE (1327LB. CAPACITY)	208	1			15.90	JBOX		WL	102"	
42.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)	120	1			3.50	C&P	5-15P	WL	50"	
45	2	TEA BREWER	120	1	1.65		13.80	C&P	5-15P	WL	50"	TWO PLACES
45.2	3	LEMONADE DISPENSER	120	1	0.34		3.00	C&P	5-15P	WL	50"	THREE PLACES
48	1	ICE MACHINE (1327LB. CAPACITY)	208	1			15.90	JBOX		WL	96"	
48.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)	120	1			3.50	C&P	5-15P	WL	50"	
50	1	WALK-IN COOLER/FREEZER										EXISTING TO REMAIN
54	1	EXHAUST HOOD										EXISTING TO REMAIN
56.1	1	DROP-IN REFRIGERATED COLD WELL	120	1	0.45	0.33	5.90	C&P	5-15P	WL	18"	
57	1	SANDWICH/SALAD PREP REF. (72 5/8"W)	120	1		0.375	9.90	C&P	5-15P	DFA		
58	1	SHAKE MACHINE	208	1		0.5	12.00	JBOX		WL	50"	
60	1	AIR CURTAIN, HEATED, DRIVE-THRU	120	1	1.70		15.70	C&P	5-20P	WL	96"	NOTE F
60.1	1	AIR CURTAIN, UNHEATED, BACK DOOR	120	1	0.30	0.2	3.40	JBOX		WL	102"	NOTE F
62	1	MICROWAVE OVEN	120	1			13.40	C&P	5-15P	WL	72"	
86	1	REACH-IN TWO SECTION REFRIGERATOR (51 3/4"W)	120	1	0.32	0.33	2.80	C&P	5-15P	WL	24"	
88	1	REACH-IN FREEZER (28 3/4"W) (RIGHT HINGE)	120	1	0.51	0.375	4.40	C&P	5-15P	WL	24"	
106	2	TIMER	120	1			0.02	C&P	5-15P	DFA		TWO PLACES
107	1	MULTI-COOK OVEN, ELECTRIC (208V/3PH)	208	3	6.85		19.00	C&P	15-30P	WL	50"	
108	1	DRAWER WARMER, NARROW (1-TIER) (120V)	120	1	0.64		5.30	C&P	5-15P	WL	18"	

FOODSERVICE DRAWINGS INDICATE ELECTRICAL ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL ELECTRICAL REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS.

TriMark
Foodservice Equipment, Supplies and Design

Midwest : Hockenbergs
14603 W. 112th Street
Lenexa, KS 66215

p. 913-491-4999

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REVISIONS

DATE	NO.	DESCRIPTION

SLIM CHICKENS

4002 S I-35 SOUTH FRONTAGE RD.
SAN MARCOS, TX
STORE XXXXX
(ZAXBY'S CONVERSION)
FOODSERVICE

PROJECT	2025047
DATE	07/17/2025
SCALE	1/4" = 1'-0"
DRAWN	MAH
APPROVED	RB

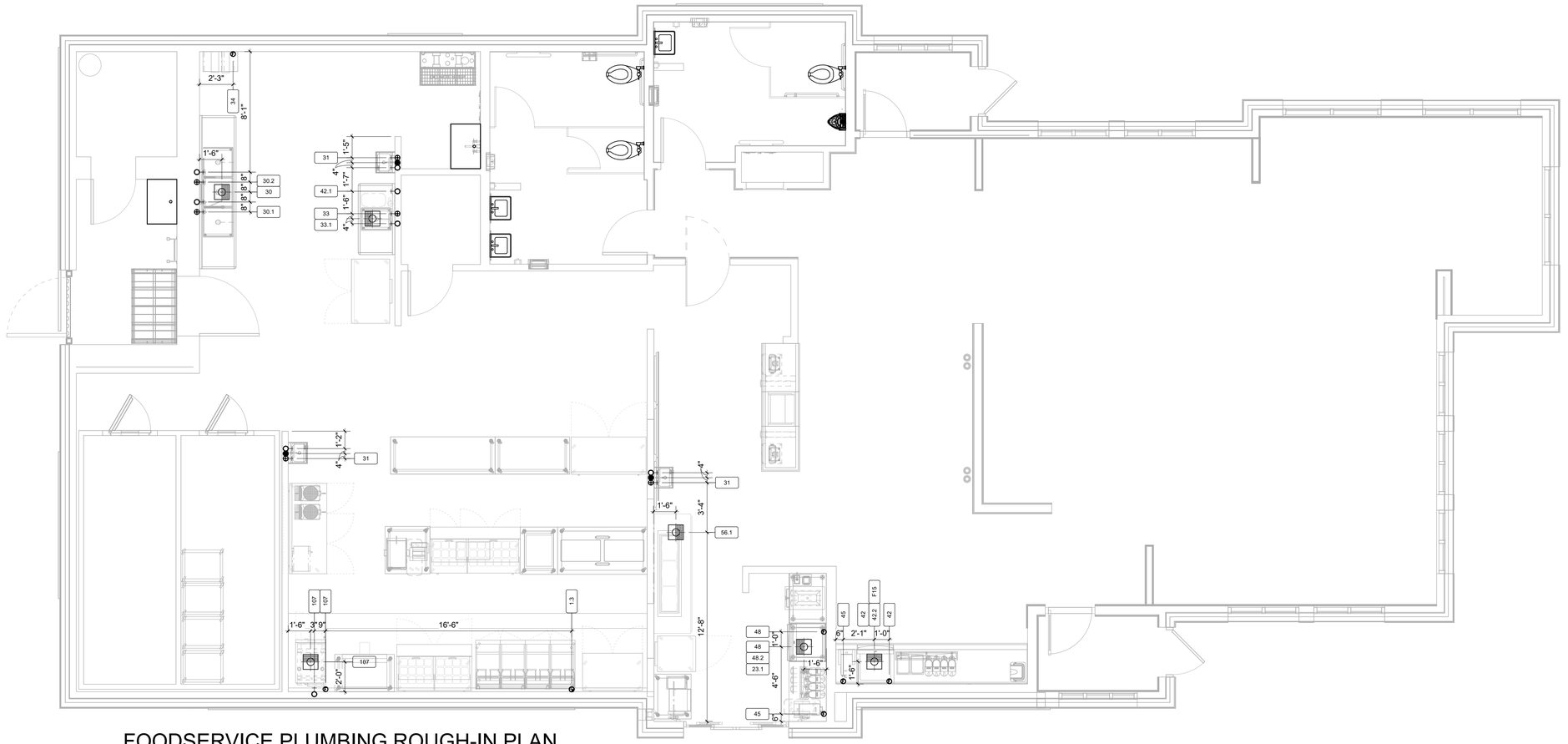
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SHEET NUMBER: K-2

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FOODSERVICE PLUMBING ROUGH-IN PLAN

1/4" = 1'-0"

PLUMBING LEGEND

- HOT WATER
- SOFTENED HOT WATER
- COLD WATER
- SOFTENED COLD WATER
- FILTERED WATER
- DIRECT WASTE
- FLOOR DRAIN
- FLOOR SINK - THREE-QUARTER GRATE
- FLOOR SINK - PARTIAL GRATE
- FLOOR SINK - NO GRATE
- FUNNEL FLOOR DRAIN
- HUB FLOOR DRAIN
- TELL-TALE FLOOR DRAIN (TTFD)
- AREA FLOOR DRAIN - SLOPED PER CODE
- GAS DROP FROM MANIFOLD
- FIRE SUPPRESSION GAS SHUT-OFF VALVE
- CHILLED WATER (CS)
- CHILLED WATER RETURN (CR)
- STEAM SUPPLY (SS)
- CONDENSATE RETURN (CR)

PLUMBING NOTES (DIVISION 22)

A. INSTALL KEC (SECTION 114000) FURNISHED FLOOR TROUGH(S).
B. INSTALL KEC (SECTION 114000) FURNISHED MOP SINK(S).
C. INSTALL KEC (SECTION 114000) FURNISHED FIRE SUPPRESSION SYSTEM GAS SHUT OFF VALVE. MUST BE ACCESSIBLE AND NOT CONCEALED IN WALL OR CEILING.
D. INSTALL KEC (SECTION 114000) FURNISHED QUICK DISCONNECT(S) & RESTRAINING DEVICE(S) PER MANUFACTURER'S RECOMMENDATIONS.
E. MANIFOLD DRAINS TO SINGLE CONNECTION.
F. FURNISH AND INSTALL BALL VALVE IN DRAIN LINE. VALVE TO BE IN EASILY ACCESSIBLE LOCATION.
G. PIPING FROM WATER FILTER OUTLET TO POINTS OF USE SHALL BE CONCEALED WITHIN WALLS AND CEILINGS. EXTEND DRAIN(S) TO FLOOR SINK/FLOOR DRAIN, IF REQUIRED.
H. CONNECT MIN. 110°F HOT WATER SUPPLY TO BUILT-IN OR EXTERNAL (70° RISE) BOOSTER HEATER. WHEN EXTERNAL, INSTALL TEMPERATURE/PRESSURE GAUGE(S) AS REQ'D AND EXTEND TO DISHWASHER INLET.
I. CONNECT DRAIN(S) WITH REFRIGERATION GRADE HARD COPPER USING 1" STANDOFFS. "P" TRAP DRAIN OUTSIDE WALK-IN COMPARTMENT(S). PROVIDE AND INSTALL SLEEVES THRU WALK-IN AND BUILDING WALLS FOR DRAIN LINE(S). FOAM & CAULK AROUND SLEEVES AND DRAIN LINES. WRAP WITH DRAIN LINE HEATER AND INSULATION WHERE SUBJECT TO FREEZING TEMPERATURES.
J. PROVIDE GRAY WATER AND SLURRY PIPING TO AND FROM (SECTION 114000) FURNISHED PULPER, TROUGH, AND WATER EXTRACTOR. INSTALL KEC (SECTION 114000) FURNISHED TROUGH INLET NOZZLES AND PROVIDE SHUT OFF VALVE AT EACH NOZZLE.
K. PROVIDE "TEE" IN HOT WATER LINE AND CAP FOR FUTURE INSTALLATION OF CHEMICAL DISPENSING SYSTEM BY OTHERS.
L. PROVIDE CHROME PLATED PIPE AND FITTINGS WHERE EXPOSED.
M. PROVIDE AND INSTALL 3" MIN. DRAIN LINE TO 12"X12"X10" DEEP FLOOR SINK.
N. VERIFY EXACT LOCATION AND QUANTITY OF AREA FLOOR DRAIN(S) WITH THE PLUMBING ENGINEER.

FOODSERVICE PLUMBING SCHEDULE

ITEM NO.	QTY	DESCRIPTION	WATER HOT SIZE	WATER HOT AFF	WATER COLD SIZE	WATER COLD AFF	WATER FILTERED SIZE	WATER FILTERED AFF	WASTE DIRECT SIZE	WASTE DIRECT AFF	WASTE IW SIZE	FLOOR DRAIN TYPE	GAS SIZE	GAS MBTU	GAS AFF	REMARKS
1.3	1	FOUR BANK DEEP FAT FRYER W/FILTER, GAS											1"	500.0	30"	NOTE D/6"-14" W.C. REQ'D
23.1	1	BEVERAGE TABLE W/DRIP TROUGH (60"W x 30"D)									1"	FS				
30	1	THREE COMPARTMENT SINK									1 1/2"	FS				NOTE E
30.1	1	PRE-RINSE UNIT W/FAUCET	1/2"	12"	1/2"	12"										
30.2	1	FAUCET	1/2"	12"	1/2"	12"										
31	3	HAND SINK W/SIDE SPLASHES (KNEE-VALVE)	1/2"	12"	1/2"	12"			1 1/2"	14"						FOUR PLACES
32	1	MOP SINK FAUCET														EXISTING TO REMAIN
33	1	ONE COMPARTMENT SINK W/DBL DRAINBOARDS									1 1/2"	FS				
33.1	1	FAUCET W/10" NOZZLE	1/2"	12"	1/2"	12"										
34	1	BAG-N-BOX/CARBONATOR					1/2"	84"								NOTE G/NIKEC/VERIFY UTILITIES
42	1	ICE MACHINE (1327LB. CAPACITY)					1/2"	99"			3/4"	FS				NOTE G
42.1	1	WATER FILTER SYSTEM			3/4"	102"										NOTE G/SEE NOTE BELOW
42.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)									1/2"	FS				
45	2	TEA BREWER					1/2"	50"								NOTE G/TWO PLACES
48	1	ICE MACHINE (1327LB. CAPACITY)					1/2"	90"			3/4"	FS				NOTE G
48.2	1	COUNTERTOP SODA DISPENSER (10-VALVE)									1/2"	FS				
56.1	1	DROP-IN REFRIGERATED COLD WELL									1"	FS				
107	1	MULTI-COOK OVEN, ELECTRIC (208V/3PH)			3/4"	30"	3/4"	30"			1 1/2"	FS				HIGH TEMP DRAIN LINES REQ'D
F15	1	BEVERAGE COUNTER W/DRAIN TROUGH									1"	FS				

NOTE - (1) FILTERED OUTLET FOR ALL ICE MACHINES. (1) FILTERED OUTLET FOR ALL TEA BREWERS, AND CARBONATOR AT BIB RACK.

FOODSERVICE DRAWINGS INDICATE PLUMBING ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL PLUMBING REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS. THE PLUMBING CONTRACTOR (DIVISION 22) SHALL FURNISH AND INSTALL PRESSURE REDUCING VALVES, FLOW CONTROLS, BACK FLOW PREVENTION, RPZ (REDUCED PRESSURE ZONE) VALVES, WATER HAMMER ARRESTOR, GATE VALVES, FOR WATER CONNECTIONS AS REQUIRED PER LOCAL CODES.

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DATE	NO.	DESCRIPTION

SLIM CHICKENS

4002 S I-35 SOUTH FRONTAGE RD.
SAN MARCOS, TX
STORE XXXXX
(ZAXBY'S CONVERSION)
FOODSERVICE

PROJECT: 2025047
DATE: 07/17/2025
SCALE: 1/4" = 1'-0"
DRAWN: MAH
APPROVED: RB

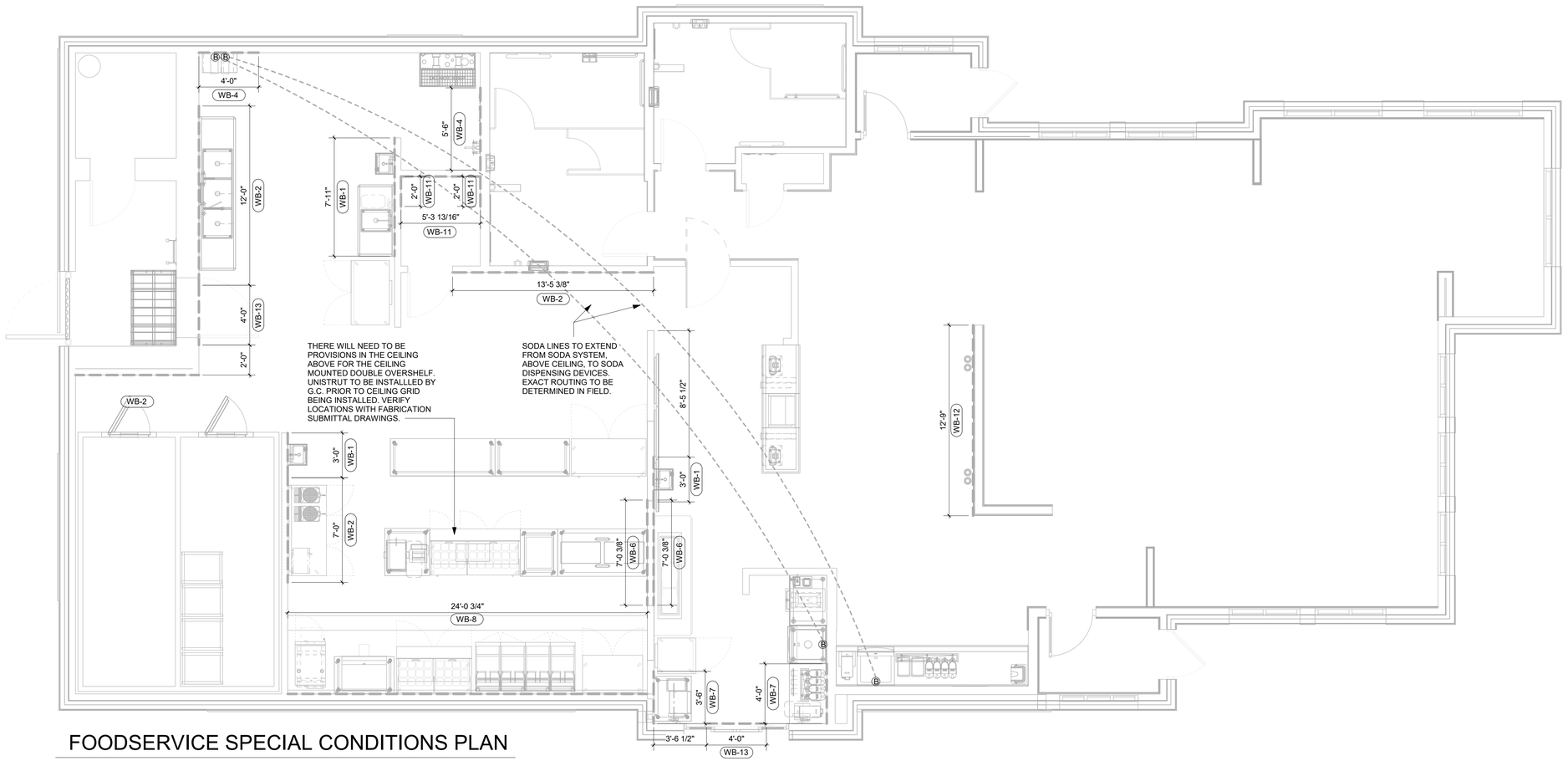
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SHEET NUMBER: K-3

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FOODSERVICE SPECIAL CONDITIONS PLAN

1/4" = 1'-0"

SPECIAL CONDITIONS LEGEND

B	BEVERAGE CONDUIT STUB UP
R	REFRIGERATION LINE SET
	WALL BLOCKING
	ENGINEERED STRUCTURAL SUPPORT
	NON COMBUSTIBLE WALL

BEVERAGE SYSTEM GENERAL REQUIREMENTS (DIVISION 26)

1. PROVIDE ELECTRICAL METALIC TUBING (EMT) OR PVC SCHEDULE 40 ELECTRICAL CONDUIT UNLESS OTHERWISE DIRECTED BY CODE.
2. CONDUIT TO BE SMOOTH AND WATER TIGHT.
3. ALL CONDUIT BENDS ARE TO BE WIDE SWEEPS WITH 24" MIN. RADIUS. NO 90° OR 45° ANGLES. VERIFY REQUIREMENTS WITH BEVERAGE CONDUIT DETAILS.
4. PROVIDE PULL-BOX FOR OVERHEAD CONDUIT RUNS EVERY 3 BENDS OR 75' - 0".
5. CAP CONDUITS DURING CONSTRUCTION.

WALL BLOCKING NOTES (DIVISION 6)

(WB-#)

WB-1	20" AFF TO CEILING FOR HAND SINK/PAPER TOWEL & SOAP DISPENSERS/HIGH MTD. WALL SHELF
WB-2	40" AFF TO CEILING FOR Z-CLIPS/SMART GRID SHELVING/PRE-RINSE WALL BKT/DBL STACKED WALL SHELVES
WB-3	84" AFF TO CEILING FOR WATER FILTERS
WB-4	48" AFF TO CEILING FOR SODA EQUIPMENT/MOP SINK AREA/BROOM HOLDER/HIGH MTD. WALL SHELVES
WB-5	24" AFF TO CEILING FOR SERVICE FAUCET/MOP SINK EQUIPMENT
WB-6	36" AFF TO 42" AFF FOR WALL BRACKETS ON PASS-THRU SHELF
WB-7	54" AFF TO 84" AFF FOR SINGLE WALL SHELF
WB-8	12" AFF TO 21" AFF FOR RESTRAINING DEVICE
WB-9	36" AFF TO 78" AFF FOR DT ITEMS AT EXPO WINDOW
WB-10	54" AFF TO 90" AFF FOR HIGH MTD. WALL SHELVES
WB-11	6" AFF TO CEILING FOR OFFICE FURNITURE
WB-12	26" AFF TO 50" AFF FOR BABY CHANGING STATION/WALL MOUNTED CUP DISPENSERS
WB-13	FROM TOP OF WINDOW OR DOOR FRAME TO CEILING FOR AIR CURTAIN(S)
WB-14	42" AFF TO 78" AFF FOR WALL SHELF ABOVE BREADING STATION
WB-15	80" AFF TO CEILING FOR HIGH MTD. WALL SHELF ABOVE (NOTCH
NOTE:	¾ALL WALL BLOCKING TO BE 5/8" FIRE RATED/TREATED PLYWOOD MINIMUM OR 18 GAUGE METAL WHERE REQUIRED

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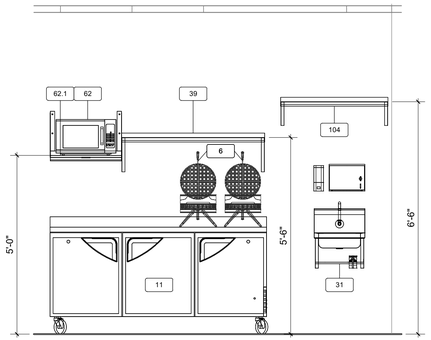
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APPROVED	RB

SHEET
FOODSERVICE SPECIAL CONDITIONS PLAN

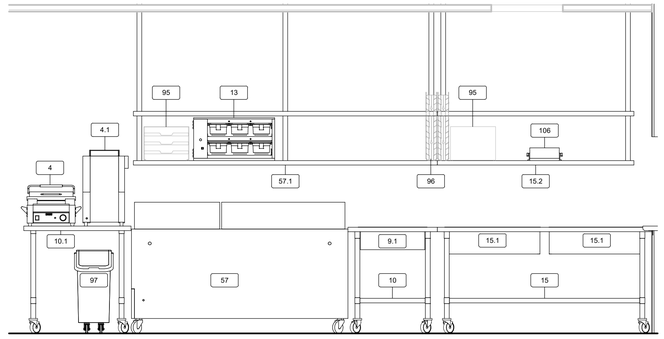
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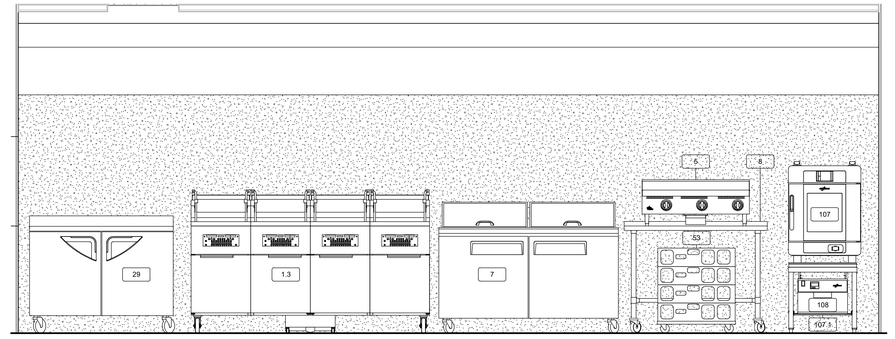
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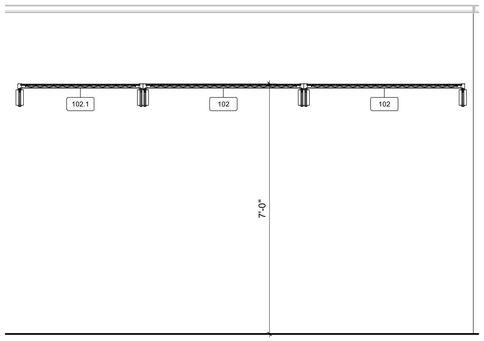
3 KITCHEN - WAFFLE STATION
1/2" = 1'-0"



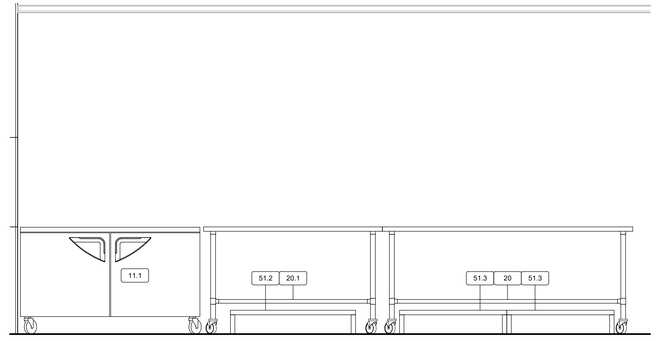
2 KITCHEN - CENTER ISLAND - DT SIDE
1/2" = 1'-0"



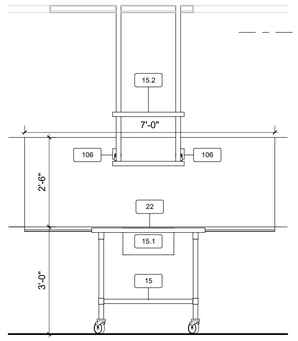
1 KITCHEN - COOKLINE
1/2" = 1'-0"



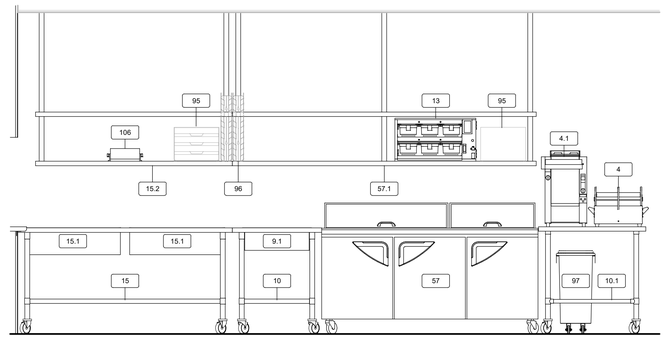
7 KITCHEN - HIGH MTD. SHELVING
1/2" = 1'-0"



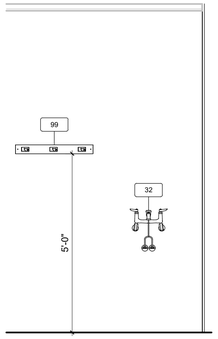
6 KITCHEN - PREP SPACE
1/2" = 1'-0"



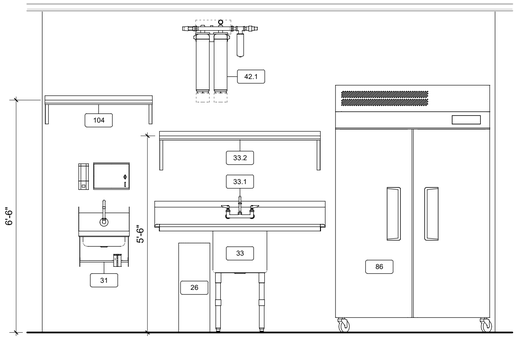
5 KITCHEN - PASS-THRU WINDOW
1/2" = 1'-0"



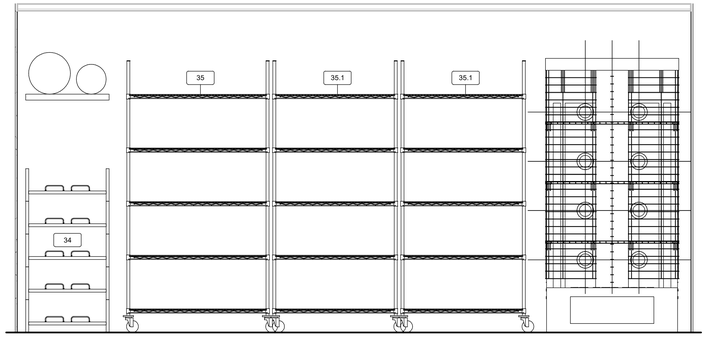
4 KITCHEN - CENTER ISLAND - DINING SIDE
1/2" = 1'-0"



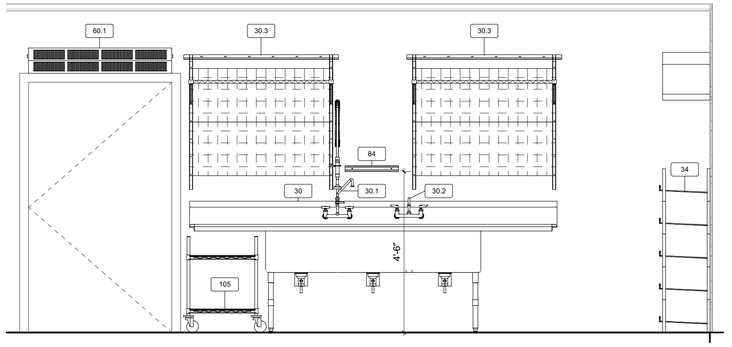
11 KITCHEN - MOP AREA
1/2" = 1'-0"



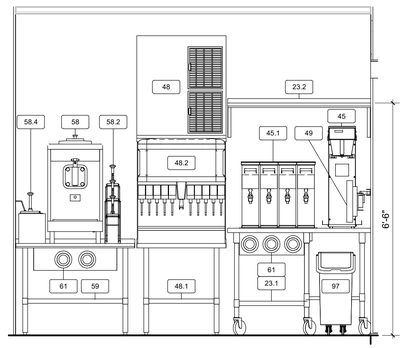
10 KITCHEN - PREP AREA
1/2" = 1'-0"



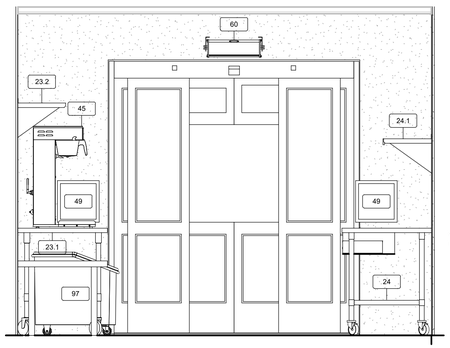
9 KITCHEN - SODA EQUIPMENT/DRY STORAGE
1/2" = 1'-0"



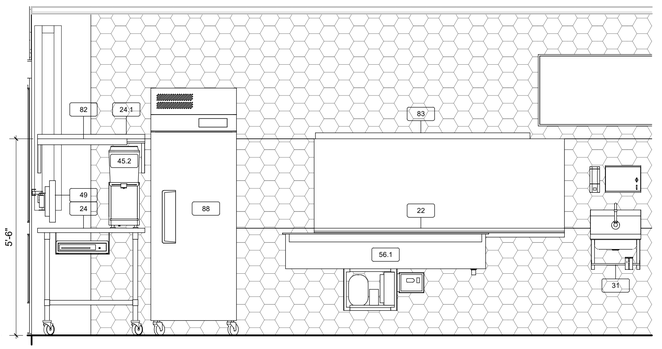
8 KITCHEN - WAREWASHING
1/2" = 1'-0"



14 DRIVE-THRU - BEVERAGE STATION
1/2" = 1'-0"



13 KITCHEN - DT DOOR
1/2" = 1'-0"



12 KITCHEN - EXPO FACING PASS-THRU WNDOW
1/2" = 1'-0"

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(ZAXBY'S CONVERSION)
FOODSERVICE

PROJECT	
2025047	
DATE	
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SCALE	
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DRAWN	APPROVED
MAH	RB

SHEET

FOODSERVICE INTERIOR ELEVATIONS

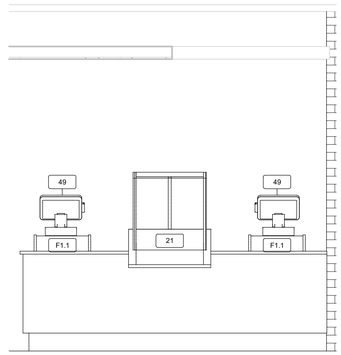
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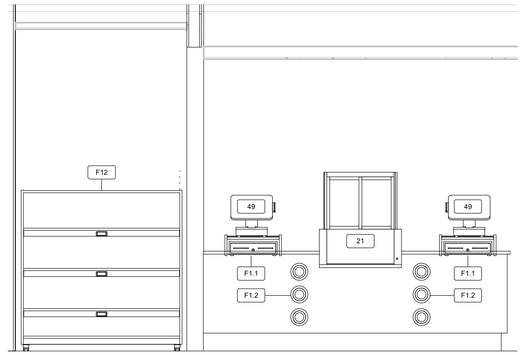
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17 DINING - BEVERAGE COUNTER
1/2" = 1'-0"



16 DINING - OUTSIDE OF FRONT CTR FACING MENU
1/2" = 1'-0"



15 DINING - INSIDE OF FRONT CTR FACING DINING
1/2" = 1'-0"

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SHEET
FOODSERVICE INTERIOR ELEVATIONS

SHEET NUMBER:
K-5.1

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