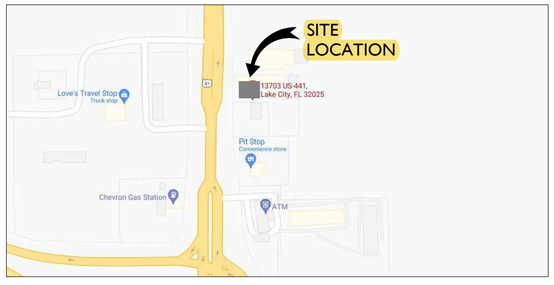
BURGER KING

13721 U.S. HIGHWAY 441 SOUTH
LAKE CITY, FLORIDA 32025

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

SITE LOCATION MAP



AREA LOCATION MAP



LOCAL CODE INFORMATION

ZONING CLASSIFICATION:	C2 (COMMUNITY COMMERCIAL)
BUILDING CODE:	2020 FBC (7TH EDITION) - BUILDING
MECHANICAL CODE:	2020 FBC (7TH EDITION) - MECHANICAL
PLUMBING CODE:	2020 FBC (7TH EDITION) - PLUMBING
ELECTRICAL CODE:	2020 NATIONAL ELECTRIC CODE (NEC)
FIRE/ LIFE SAFETY CODE:	2020 FFPC (7TH EDITION) - FIRE PROTECTION
ENERGY CODE:	2020 FBC (7TH EDITION) - ENERGY CONSERVATION
BARRIER FREE CODE:	2020 FBC (7TH EDITION) ACCESSIBILTY
	FBC
CLASSIFICATION:	A2
TYPE OF CONSTRUCTION:	VB
BUILDING AREA:	3,527 SF
COOLER/FREEZER AREA:	234 SF (INCLUDED IN BUILDING AREA AND TOTAL)
EXTERIOR STORAGE AREA:	110 SF (INCLUDED IN BUILDING AREA TOTAL)
BUILDING AREA TOTAL:	4,020 SF
BUILDING HEIGHT:	24'-0" AT HIGHEST POINT
OCCUPANT LOAD:	97 (2020 FBC, 7TH EDITION) 102 NFPA (2018 EDITION)

NOTES:

1. SEPARATE FIRE PROTECTION SYSTEM AT HOODS
2. BUILDING IS NOT SPRINKLED
3. FLORIDA PRODUCT APPROVAL SEE SHEET G201

DEFERRED SUBMITTALS

1.
2. .
3. .
4. .
5. .
6. .

LIST OF CONTACTS

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CIVIL ENGINEER & LANDSCAPING DESIGNER

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STATE OF FLORIDA · STEVEN J VANDENBURG · REGISTERED ARCHITECT · AR97395

Digitally signed by Steven J Vandenburg
Date: 2021.07.08 15:07:16 -04'00'

STRUCTURAL

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DANIEL E. BYAM · LICENSE No.82588 · STATE OF FLORIDA · PROFESSIONAL ENGINEER

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MRK	DATE	ISSUED FOR
-	-	-

INDEX TO DRAWINGS

SHEET	DESCRIPTION
G101	COVER SHEET, CONTACTS & INDEX
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	STRUCTURAL
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S102	FOUNDATION DETAILS
S201	ROOF FRAMING PLAN AND DETAILS
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S203	STRUCTURAL DETAILS
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ID101	INTERIOR DECOR
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M301	TYPE-1 BROILER HOOD DETAILS
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E201	POWER PLAN
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E301	ELECTRICAL PANEL DIAGRAMS
E401	POINT OF SALE SYSTEM PLAN
E501	CONTRACTOR PANEL DIAGRAMS

REV:	DESCRIPTION	BY	DATE

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BURGER KING - #
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LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

COVER SHEET, CONTACTS & INDEX

DESIGNED BY:
REVIEWED BY: SJV, DEB
DRAWN BY: KNB, JL
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

G101

A - TERMS AND ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
ACC	ACCESS
ACFL	ACCESS FLOOR
AP	ACCESS PANEL
AC	ACOUSTICAL
ACPL	ACOUSTICAL PLASTER
ACT	ACOUSTICAL TILE
ACR	ACRYLIC PLASTIC
ADH	ADHESIVE
ADJ	ADJACENT
ADJT	ADJUSTABLE
AGG	AGGREGATE
A/C	AIR CONDITIONING
ALT	ALTERNATE
AL	ALUMINUM
ANC	ANCHOR, ANCHORAGE
AB	ANCHORBOLT
ANOD	ANODIZED
ARCH	ARCHITECT, ARCHITECTURAL
AD	AREA DRAIN
ASPH	ASPHALT
AT	ASPHALT TILE
AUTO	AUTOMATIC
AWN	AWNING

B - TERMS AND ABBREVIATIONS

BKR	BACKER
BSMT	BASEMENT
BL	BASE LINE
BM	BEAM
BRG	BEARING
BPL	BEARING PLATE
BEL	BELOW
BM	BENCH MARK
BET	BETWEEN
BVL	BEVELED
BEY	BEYOND
BLK	BLOCK
BLKG	BLOCKING
BD	BOARD
BS	BOTH SIDES
BOT	BOTTOM
BRKT	BRACKET
BRS	BRASS
BRK	BRICK
BRZ	BRONZE
BLDG	BUILDING
BUR	BUILT UP ROOFING
BRGL	BULLET RESISTANT GLASS
BO	BY OWNER

C - TERMS AND ABBREVIATIONS

CAB	CABINET
CAN	CANVAS
CPT	CARPET
CSMT	CASEMENT
CI	CAST IRON
CST	CAST STONE
CB	CATCH BASIN
CLG	CEILING
CHT	CEILING HEIGHT
CEM	CEMENT
CM	CENTIMETER (S)
CER	CERAMIC
CT	CERAMIC TILE
CHBD	CHALKBOARD
CHAM	CHAMFER
CHIM	CHIMNEY
CR	CHROMIUM
CIR	CIRCLE
CIRC	CIRCUMFERENCE
CLR	CLEAR, CLEARANCE
CLS	CLOSURE
CGL	COATED GLASS
COL	COLUMN
COMB	COMBINATION
COM	COMMON
COMPT	COMPARTMENT
COMPO	COMPOSITION, COMPOSITE
COMP	COMPRESS, (ED), (ION), (IBLE)
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACT, CONTRACTOR
CJ	CONTROL JOINT
CPR	COPPER
CG	CORNER GUARD
CORR	CORRUGATED
CTR	COUNTER
CS	COUNTERSINK
CRS	COURSE
CFT	CUBIC FOOT
CYD	CUBIC YARD

D - TERMS AND ABBREVIATIONS

DPR	DAMPER
DP	DAMPPROOFING
DL	DEAD LOAD
DEM	DEMOLISH, DEMOLITION
DMT	DEMOUNTABLE
DTL	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DIR	DIRECTION
DSP	DISPENSER
DIV	DIVISION
DR	DOOR
DTA	DOVETAIL ANCHOR
DTS	DOVETAIL ANCHOR SLOT
DN	DOWN
DS	DOWNSPOUT
DT	DRAIN TILE
DFU	DRAINAGE FIXTURE UNITS
DWR	DRAWER
DWG	DRAWING
DF	DRINKING FOUNTAIN
DW	DUMBWAITER

E - TERMS AND ABBREVIATIONS

EA	EACH
EF	EACH FACE
EW	EACH WAY
ESMNT	EASEMENT
E	EAST
ELAS	ELASTIC
ELEC	ELECTRIC, (AL)
EP	ELECTRICAL PANELBOARD
EWC	ELECTRIC WATER COOLER
EL	ELEVATION (VERTICAL HEIGHT)
ELE	ELEVATION (VIEW)
ELEV	ELEVATOR
EMER	EMERGENCY
ENC	ENCLOSE, (URE)
EQ	EQUAL
EQP	EQUIPMENT
ESC	ESCALATOR
EST	ESTIMATE
EXH	EXHAUST
EXG	EXISTING
EXMP	EXPANDED METAL PLATE
EB	EXPANSION BOLT
EJT	EXPANSION JOINT
EXP	EXPOSED
EXT	EXTERIOR

F - TERMS AND ABBREVIATIONS

FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FAS	FASTEN, FASTENER
FN	FENCE
FBD	FIBERBOARD
FGL	FIBERGLASS
FIN	FINISH, (ED)
FFE	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FA	FIRE ALARM
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHS	FIRE HOSE STATION
FPL	FIREPLACE
FP	FIREPROOF
FRT	FIRE-RETARDANT
FIXT	FIXTURE
FLG	FLASHING
FLX	FLEXIBLE
FG	FLOAT GLASS
FLR	FLOOR, (ING)
FD	FLOOR DRAIN
FL	FLOW LINE
FLUR	FLUORESCENT
FJT	FLUSH JOINT
FTG	FOOTING
FND	FOUNDATION
FR	FRAME, (D), (ING)
FS	FULL SIZE
FUR	FURRED, (ING)
FUT	FUTURE

G - TERMS AND ABBREVIATIONS

GA	GAGE, GAUGE
GV	GALVANIZED
GKT	GASKET, (ED)
GC	GENERAL CONTRACT, (OR)
GL	GLASS, GLAZING
GLB	GLASS BLOCK
GCMU	GLAZED CONCRETE MASONRY UNITS
GLAM	GLUED LAMINATE
GB	GRAB BAR
GD	GRADE, GRADING
GRN	GRANITE
GRT	GRATE, (ING)
GVL	GRAVEL
GRHS	GREENHOUSE
GT	GROUT
GRD	GUARD
GUT	GUTTER
GPDW	GYPSUM DRY WALL
GPL	GYPSUM LATH
GPPL	GYPSUM PLASTER
GPT	GYPSUM TILE
GPW	GYPSUM WALLBOARD

H - TERMS AND ABBREVIATIONS

HC	HANDICAP
HRL	HANDRAIL
HBD	HARDBOARD
HDW	HARDWARE
HWD	HARDWOOD
HDR	HEADER
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HD	HEAVY DUTY
HT	HEIGHT
HPT	HIGH POINT
HPL	HIGH PRESSURE LAMINATE
HCR	HOLLOW CORE
HM	HOLLOW METAL
HOR	HORIZONTAL
HB	HOSE BIBB

I - TERMS AND ABBREVIATIONS

INCAN	INCANDESCENT
INCIN	INCINERATOR
INCL	INCLUDE, (ED), (ING)
ID	INSIDE DIAMETER
INS	INSULATE, (ED), (ING)
INSC	INSULATING CONCRETE
IGL	INSULATING GLASS
INT	INTERIOR
INTM	INTERMEDIATE
INV	INVERT

J - TERMS AND ABBREVIATIONS

JC	JANITOR'S CLOSET
JT	JOINT
JF	JOINT FILLER
J	JOIST

K - TERMS AND ABBREVIATIONS

KPL	KICKPLATE
KIT	KITCHEN
KES	KITCHEN EQUIPMENT SUPPLIER
KO	KNOCKOUT

L - TERMS AND ABBREVIATIONS

LBL	LABEL
LAB	LABORATORY
LAD	LADDER
LB	LAG BOLT
LAM	LAMINATE, (ED)
LGL	LAMINATED GLASS
LAV	LAVATORY
LO	LAYOUT
LH	LEFT HAND
L	LENGTH
LT	LIGHT
LW	LIGHTWEIGHT
LMS	LIMESTONE
LTL	LINTEL
LL	LIVE LOAD
LOC	LOCATE
LLD	LOOSE LAID
LVR	LOUVER
LPT	LOW POINT

M - TERMS AND ABBREVIATIONS

MB	MACHINE BOLT
MH	MANHOLE
MFR	MANUFACTURE, (ER) (ED)
MRB	MARBLE
MAS	MASONRY
MTL	MATERIAL
MAX	MAXIMUM
MECH	MECHANIC, (AL)
MC	MEDICINE CABINET
MED	MEDIUM
MDO	MEDIUM DENSITY OVERLAY
MBR	MEMBER
MMB	MEMBRANE
MET	METAL
M	METER, (S)
MW	MICROWAVE
MM	MILLIMETER, (S)
MIN	MINIMUM
MIR	MIRROR
MGL	MIRROR GLASS (FRAMED)
MISC	MISCELLANEOUS
MOD	MODULAR
MLD	MOLDING, MOULDING
MR	MOP RECEPTOR
MT	MOUNT, (ED), (ING)
MOV	MOVABLE
MULL	MULLION

N - TERMS AND ABBREVIATIONS

NL	NAILABLE
NAT	NATURAL
NI	NICKEL
NR	NOISE REDUCTION
NOM	NOMINAL
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER

O - TERMS AND ABBREVIATIONS

OC	ON CENTER, (S)
OP	OPAQUE
OPG	OPENING
OPH	OPPOSITE HAND
ORN	ORNAMENTAL
OD	OUTSIDE DIAMETER
OA	OVERALL
OH	OVERHEAD

P - TERMS AND ABBREVIATIONS

PNT	PAINT, (ED)
PNL	PANEL, (ING)
PB	PANIC BAR
PTD	PAPER TOWEL DISPENSER
PTR	PAPER TOWEL RECEPTOR
PAR	PARALLEL
PRPT	PARAPET
PK	PARKING
PBD	PARTICLE BOARD
PTN	PARTITION
PV	PAVE, (D), (ING)
PVMT	PAVEMENT
PERF	PERFORATE, (ED)
PER	PERIMETER
PLTR	PLANTER
PLTG	PLANTING
PLAS	PLASTER
PLA	PLASTIC
PLAM	PLASTIC LAMINATE
PL	PLATE
PG	PLATE GLASS
PWD	PLYWOOD
PT	POINT
PVC	POLYVINYL CHLORIDE
PE	PORCELAIN ENAMEL
PCPL	PORTLAND CEMENT PLASTER
PD	POUND,(S)
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PCC	PRECAST CONCRETE
PFB	PREFABRICATE, (ED)
PFN	PREFINISHED
PRF	PREFORMED
PREM	PREMOULDED
PRTD	PRESSURE TREATED
PROJ	PROJECT, (ED), (ING)
PL	PROPERTY LINE

Q - TERMS AND ABBREVIATIONS

QT	QUARRY TILE

R - TERMS AND ABBREVIATIONS

RBT	RABBET, REBATE
RAD	RADIUS
RFT	RAFTER
RL	RAIL, (ING)
REC	RECESS, (ED)
RWL	RAIN WATER LEADER
REF	REFER, (ENCE)
RFL	REFLECT, (ED), (IVE), (OR)
REFR	REFRIGERATOR
REG	REGISTER
REIN	REINFORCE, (ED), (ING), (MENT)
RECP	REINFORCED CONCRETE PIPE
REM	REMOVE, (ABLE)
REQ'D	REQUIRED
RES	RESILIENT
RET	RETURN
RA	RETURN AIR
RVS	REVERSE (SIDE)
REV	REVISE, (S), (ED)
RH	RIGHT HAND
ROW	RIGHT OF WAY
R	RISER
RVT	RIVET
R&S	ROD AND SHELF
RD	ROOF DRAIN
RFH	ROOF HATCH
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
RCP	ROUND CONCRETE PIPE
ROK	ROWLOCK
RB	RUBBER BASE
RBT	RUBBER TILE
RBL	RUBBLE STONE

S - TERMS AND ABBREVIATIONS

SFGL	SAFETY GLASS
SCH	SCHEDULE
SCN	SCREEN, (ED)
SCUP	SCUPPER
SNT	SEALANT
STG	SEATING
SECT	SECURITY
SEC	SECTION
SYYD	SERVICE YARD
SSK	SERVICE SINK
SHTH	SHEATH, (ING)
SHT	SHEET
SG	SHEET GLASS
SH	SHELF, SHELVING
SHNG	SHINGLE, (S)
SHU	SHUTTER, (S)
SIDG	SIDING
SIM	SIMILAR
SKL	SKYLIGHT
SL	SLEEVE
SLO	SLOPE
SOL	SOLDIER
SC	SOLID CORE
SS	SOLID SURFACE
SP	SOUNDPROOF
S	SOUTH
SPC	SPACE, (R)
SGL	SPANDREL GLASS
SPK	SPEAKER
SPL	SPECIAL
SPEC	SPECIFICATION
SPH	SPLASH
SQ	SQUARE
SQ FT	SQUARE FOOT (FEET)
SST	STAINLESS STEEL
STGL	STAINED GLASS
STD	STANDARD
STA	STATION
ST	STEEL
STO	STORAGE
SF	STOREFRONT
SD	STORM DRAIN
STR	STRUCTURAL
STCO	STUCCO
SFLR	SUBFLOOR
SA	SUPPLY AIR
SUS	SUSPENDED
SYD	SIDE YARD
SYM	SYMMETRY, (ETRICAL)
SYN	SYNTHETIC
SYS	SYSTEM

T - TERMS AND ABBREVIATIONS

TKBD	TACKBOARD
TEL	TELEPHONE
TV	TELEVISION
TG	TEMPERED GLASS
TIG	TEMPERED, INSULATED GLASS
TZ	TERRAZZO
THK	THICK, (NESS)
THR	THRESHOLD
TBRL	TO BE RELOCATED
TOBR	TO BE REMOVED
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TOL	TOLERANCE
T&G	TONGUE AND GROOVE
TSL	TOP OF CONCRETE SLAB
TC	TOP OF CURB
TJ	TOP OF JOIST
TP	TOP OF PLATE
TST	TOP OF STEEL
TSF	TOP OF SUBFLOOR
TW	TOP OF WALL
TPG	TOPPING
TOR	TO REMAIN
TB	TOWEL BAR
TR	TRANSOM
T	TREAD
TRNB	TURNBUCKLE
TYP	TYPICAL

U - TERMS AND ABBREVIATIONS

UC	UNDERCUT
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTL	UTILITY

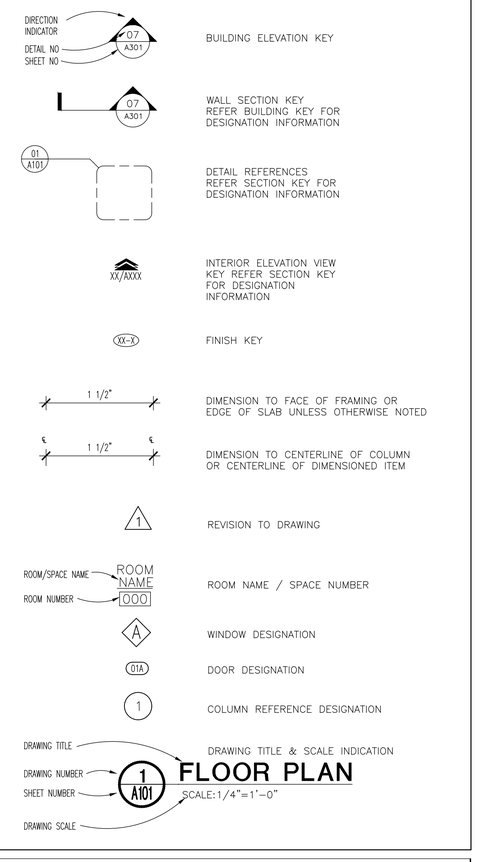
V - TERMS AND ABBREVIATIONS

VJ	V-JOINT
VB	VAPOR BARRIER
VAR	VARNISH
VNR	VENEER
VERT	VERTICAL
VG	VERTICAL GRAIN
VIN	VINYL
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VF	VINYL FABRIC
VT	VINYL TILE
VCP	VITREOUS CLAY PIPE
VCT	VITREOUS CLAY TILE

W - TERMS AND ABBREVIATIONS

WSCT	WAINSCOT
WH	WALL HUNG
WC	WATER CLOSET
WHTR	WATER HEATER
WP	WATERPROOFING
WR	WATER RESISTANT
WS	WATERSTOP
WST	WEATHERSTRIP, (ING)
WWF	WELDED WIRE FABRIC
W	WEST
WHS	WHEEL STOP
WID	WIDTH, WIDE
WIN	WINDOW
WG	WIRED GLASS
WM	WIRE MESH
WO	WITHOUT
WD	WOOD
WI	WROUGHT IRON

DRAWING SYMBOLS LEGEND:



FLORIDA APPROVAL NUMBERS

SHEET NUMBER	MANUFACTURER	MODEL NUMBER	FLORIDA PRODUCT APPROVAL NUMBER	APPROVAL DATE	MIAMI-DADE COUNTY NOA	EXPIRATION DATE
S201	SIMPSON STRONG TIE	H8 HANGER	FL10446-R6	11/28/20		12/31/21
S201	SIMPSON STRONG TIE	SSP & DSP HANGERS	FL10456-R5	12/12/20		12/08/23
S201	SIMPSON STRONG TIE	HUS26	FL10531-R5	01/01/21		12/23/23
S201	SIMPSON STRONG TIE	S/LTT20	FL13872-R4	12/12/20		12/31/21
S201	SIMPSON STRONG TIE	MSTA12, MSTA18 & MSTA21	FL13872-R4	12/12/20		12/31/21
S201	SIMPSON STRONG TIE	HTT4 & HTT5	FL11496-R4/FL13872-R4	12/16/20		12/31/21
S201	SIMPSON STRONG TIE	S/HDU6, S/HDU9 & S/HDU11	FL13872-R4	12/12/20		12/31/21
S203	SIMPSON STRONG TIE	LUS26	FL10531-R5	01/01/21		12/23/23
S203	SIMPSON STRONG TIE	ST6224	FL13872-R4	12/12/20		12/31/21
S203	SIMPSON STRONG TIE	DTC CLIP	FL13872-R4	12/12/20		12/31/21
A301	AIR VENT, INC.	B-144 VENT	FL27903-R1	01/26/21		12/31/24
A301 & A302	DURALAST	THERMOPLASTIC ROOF SYSTEM	FL16039-R16	12/15/20		06/24/24
A302, A401 & A402	W.P. HICKMAN	PERMASNAP PLUS ROOF CAP			17-0822.08	10/18/22
A401 & A402	NICHIHA	WALL PANEL SYSTEM	FL12875-R8	12/31/20		12/31/23
A401 & A402	BORAL BRICK	THIN BRICK	FL15047-R6	10/13/20		12/31/23
A401 & A601	RUSKIN LOUVER	ELF6375DXD	FL21829-R4	12/10/20	20-0909.06	02/11/24
A501	SIMPSON STRONG TIE	LB26	FL10667_R6	12/13/20		09/18/23
A501	READY ACCESS WINDOW	600 SERIES	FL5102-R6	10/13/20		12/31/21
A501 & A701	KAWNEER	TRIFAB 451	FL14287-R8	12/15/20		12/31/23
A501 & A701	KAWNEER	EXTERIOR ALUMINUM DOOR	FL15850-R6	07/21/20		12/23/23
A501 & A701	CECO	H.M. DOORS	FL4553-R13	12/10/20		12/31/25
A502	SIMPSON STRONG TIE	HRS8	FL11468-R5	12/15/20		12/31/21
A502	SIMPSON STRONG TIE	LU24	FL10531-R5	01/01/21		12/23/23
A502	SIMPSON STRONG TIE	L30	FL10446-R6	11/28/20		12/31/21
A502	SIMPSON STRONG TIE	LTP5	FL10446-R6	11/28/20		12/31/21
A602	SIMPSON STRONG TIE	MSTA49	FL13872-R4/FL11470-R4	12/12/20		12/31/21
M201	LOREN COOK	VCR ROOFTOP FAN			17-0925.02	11/13/23
M201	LOREN COOK	CPS ROOFTOP FAN			18-1017.05	12/19/23
M601	PRECISION ALUMINUM	ALUMINUM AC STAND	FL16921-R4	01/14/21		12/31/21

Date Edited: 03/23/2021

REV:	DESCRIPTION	BY	DATE

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REVIEWED BY: SJV
DRAWN BY: KNB, JL
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

G201

SECTION 00100
INSTRUCTIONS TO BIDDERS

PART 1 – GENERAL
1.01 "INSTRUCTION TO BIDDERS," DOCUMENT A701, LATEST EDITION, AS PUBLISHED BY THE AMERICAN INSTITUTE OF ARCHITECTS, ALL ARTICLES INCLUSIVE, FORM A PART OF THESE BIDDING DOCUMENTS AND ARE BOUND HEREINAFTER.

SECTION 00650
CERTIFICATE OF INSURANCE

PART 1 – GENERAL
1.01 GENERAL
A. "SUPPLEMENTAL ATTACHMENT FOR CERTIFICATE OF INSURANCE" DOCUMENT G715, LATEST EDITION, AS PUBLISHED BY THE AMERICAN INSTITUTE OF ARCHITECTS, SHALL BE USED TO FULFILL THE REQUIREMENTS FOR CERTIFICATES OF INSURANCE SPECIFIED IN THE GENERAL CONDITIONS OF THESE SPECIFICATIONS.

SECTION 00700
GENERAL CONDITIONS

PART 1 – GENERAL
1.01 GENERAL
A. "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION," DOCUMENT A201, LATEST EDITION, AS PUBLISHED BY THE AMERICAN INSTITUTE OF ARCHITECTS, ALL ARTICLES INCLUSIVE FORM A PART OF THESE CONTRACT DOCUMENTS AND ARE BOUND HEREIN.

B. GC SUPERINTENDENT IS TO REMAIN ON SITE THROUGH OPENING DAY OR PUNCHLIST COMPLETION WHICH EVER IS LATER.

SECTION 01010
WORK COVERED BY CONTRACT DOCUMENTS

PART 1 – GENERAL
1.01 INTENT OF DRAWINGS AND SPECIFICATIONS
A. THE CONTRACTOR SHALL COMPLETE ALL WORK AS PROVIDED FOR IN CONTRACT DOCUMENTS INCLUDING DRAWINGS AND SPECIFICATIONS. ANYTHING MENTIONED IN THE SPECIFICATIONS MANUAL AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS SHALL BE FURNISHED AND INSTALLED AS IF SHOWN AND MENTIONED IN BOTH. THE CONTRACTOR SHALL FURNISH ALL MATERIALS OR LABOR REQUIRED TO COMPLETE WORK SHOWN ON THE DRAWINGS AND CALLED OUT IN THE SPECIFICATIONS, TO INCLUDE LABOR AND MATERIAL REQUIREMENTS REASONABLY INFERABLE THEREFROM AS BEING NECESSARY TO COMPLETE THE WORK, WHETHER EACH AND EVERY SINGLE ITEM NECESSARY TO COMPLETION IS SPECIFIED OR DETAILED OR NOT.

1.02 CONTRACTOR RESPONSIBILITY FOR WORK REQUIRED

A. THE ORGANIZATION OF THE SPECIFICATIONS INTO DIVISIONS, SECTIONS AND PARAGRAPHS AND THE ARRANGEMENT OF THE DRAWINGS ARE NOT INTENDED TO CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR TO ESTABLISH THE LIMITS AND EXTENT OF WORK TO BE PERFORMED BY A PARTICULAR TRADE. THE CONTRACTOR ALONE IS RESPONSIBLE FOR THE COMPLETION OF THE ENTIRE WORK AS DRAWN AND SPECIFIED, COMPLETE IN PLACE AND IN FUNCTIONAL OR OPERATING CONDITIONS. THE DIVISION OF THE SPECIFICATIONS INTO SECTIONS AND PARAGRAPHS IS FOR CONVENIENCE ONLY AND NOT FOR THE PURPOSE OF LIMITING OR RESTRICTING THE PERFORMANCE OF ANY PORTION OF THE WORK TO ANY PARTICULAR TRADE.

SECTION 01015
CONTRACTOR USE OF PREMISES

PART 1 – GENERAL
1.01 REQUIREMENT
A. CONTRACTOR COORDINATE USE OF PREMISES FOR CONSTRUCTION PURPOSES WITH OWNER. BECAUSE OF THE NATURE OF PROJECT PREMISES, THE CONTRACTOR SHALL PROVIDE OWNER WITH COMPLETE MINIMUM SURFACE AREA REQUIREMENTS FOR HIS AND HIS SUBCONTRACTORS USE, INCLUDING AREA REQUIREMENTS FOR:
1. STORAGE OF MATERIALS AND EQUIPMENT.
2. STAGING.
3. EMPLOYEE PARKING.
4. REFUSE CONTAINERS.
5. OTHER REQUIRED USES.
B. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES AS REQUIRED TO PROTECT THE EXISTING PAVING, SIDEWALKS, LANDSCAPING, CURBING, AND ALL OTHER EXISTING SITE FEATURES MARKED ON THE CIVIL ENGINEERING DRAWINGS AS TO REMAIN. IN APPROPRIATING THE SITE MINIMIZE THE AREA TO BE USED BY HEAVY EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIR TO SUCH AREAS AS NEED RESTORATION AFTER CONSTRUCTION.

SECTION 01018
OWNER FURNISHED ITEMS

1.. OWNER'S RIGHT TO INSTALL ITEMS AND/OR EQUIPMENT PURCHASED UNDER SEPARATE CONTRACTS
1.1 OWNER RETAINS THE RIGHT TO PLACE AND INSTALL, IN COORDINATION WITH CONTRACTOR'S CONSTRUCTION SCHEDULE, AS MANY ITEMS AND/OR AS MUCH EQUIPMENT AS HE MAY REQUIRE DURING THE PROGRESS OF THE WORK, BEFORE COMPLETION OF THE VARIOUS PARTS OF THE WORK. THIS SHALL NOT IN ANY WAY EVIDENCE COMPLETION OF THE WORK OR ANY PORTION THEREOF, NOR SHALL IT SIGNIFY OWNER'S ACCEPTANCE OF THE WORK OR ANY PORTION THEREOF.

2. CATEGORIES OF ITEMS
2.1 BY OWNER:
ITEMS SHOWN OR NOTED "BY OWNER" ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS SHALL BE FURNISHED BY OWNER TO CONTRACTOR/SUBCONTRACTOR FOR INSTALLATION BY CONTRACTOR/SUBCONTRACTOR AS PART OF THE CONSTRUCTION CONTRACT. CONTRACTOR/SUBCONTRACTOR SHALL RECEIVE, TO THE EXTENT OF UNLOADING AT THE JOB SITE AS REQUIRED, STORE AND BE RESPONSIBLE TO THE EXTENT OF CARRYING NECESSARY INSURANCE TO COVER ITEMS IN CASE OF THEFT, FIRE, LOSS, MALICIOUS DAMAGE AND OTHER MISCELLANEOUS DAMAGE..

2.2 NOT IN CONTRACT (NIC):
ITEMS SHOWN OR NOTED "(NIC)" ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS SHALL BE FURNISHED AND INSTALLED BY OWNER UNDER SEPARATE CONTRACT, EXCEPT AS DESCRIBED HEREINAFTER. THE CONTRACTOR SHALL RECEIVE, UNLOAD AS REQUIRED, STORE, AND BE RESPONSIBLE TO THE EXTENT OF CARRYING NECESSARY INSURANCE TO COVER ITEMS IN CASE OF THEFT, FIRE, LOSS, MALICIOUS DAMAGE AND OTHER MISCELLANEOUS DAMAGE. INCLUDED, BUT NOT INCLUSIVE, IN THIS CATEGORY ARE:
2.2.1 KITCHEN AND BAR EQUIPMENT, INCLUDING WALK–IN COOLER/FREEZER EQUIPMENT (COILS, COMPRESSORS, ETC.). THIS EQUIPMENT SHALL BE FURNISHED, ASSEMBLED AND SET IN PLACE UNDER SEPARATE CONTRACT, WITH FINAL CONNECTION OF GAS, WATER, ELECTRICITY AND EXHAUST DEVICES AS SHOWN ON THE MECHANICAL AND ELECTRICAL DRAWINGS TO BE ACCOMPLISHED UNDER THE GENERAL CONTRACT FOR CONSTRUCTION.
2.2.2 KITCHEN EQUIPMENT/WALK–IN COOLER FREEZER
2.2.3 DECOR ITEMS

2.2.5 SOUND SYSTEM (EXCLUDING WIRING AND CONDUIT, BY G.C.)
2.2.6 TELEVISION SYSTEM
2.2.7 SIGNS AND SIGNAGE, INCLUDING PAINTED EXTERIOR SIGNS WHERE AND IF SHOWN ON THE DRAWINGS.
2.2.8 LANDSCAPING AND IRRIGATION (CONTRACTOR TO SUPPLY ALL SLEEVES AS REQUIRED)
2.2.9 SECURITY/FIRE ALARM SYSTEM (EXCLUDING WIRING AND CONDUIT, BY G.C.)
2.2.11 P.O.S. SYSTEM (EXCLUDING WIRING AND CONDUIT, BY G.C.)

3. RECEIPT OF ITEMS
3.1 DURING THE COURSE OF CONSTRUCTION, SOME DELIVERIES OF EQUIPMENT AND MISCELLANEOUS ITEMS WILL BE MADE TO THE JOB SITE BY COMMON CARRIER. CONTRACTOR SHALL RECEIVE AND INSPECT ITEMS FOR CONFORMANCE TO DELIVERY TICKET(S) AND FOR DAMAGE. IF DURING RECEIPT ANY MISSING OR DAMAGED ITEMS ARE OBSERVED, CONTRACTOR SHALL:
3.1.1 MAKE NOTATION OF ANY AND ALL DISCREPANCIES ON THE DELIVERY TICKET(S).
3.1.2 CALL DELIVERY CARRIER AND ADVISE HIM OF THE PROBLEM.
3.1.3 UPON RECEIPT OF ITEMS PLEASE CONTACT THE DEVELOPMENT COORDINATOR FOR QUALITY DINING.

SECTION 01029
CHANGE ORDER PROCEDURES

PART 1 – GENERAL
1.01 GENERAL
A. THE CONTRACT FOR CONSTRUCTION BETWEEN THE OWNER AND THE CONTRACTOR SHALL BE REFERENCED FOR ALL INFORMATION REGARDING CHANGE ORDER PROCEDURES.

1.02 WORK AUTHORIZATION
A. IN THE EVENT A CHANGE TO THE WORK IS REQUIRED BY THE OWNER, A WRITTEN "WORK AUTHORIZATION" FOR CHANGES TO THE CONTRACT WILL BE ISSUED BY THE OWNER. THE AUTHORIZATION WILL INCLUDE ACTUAL OR ESTIMATED COSTS FOR THE CHANGE AND A STATEMENT OF RESPONSIBILITY FOR ACTUAL COST IF ESTIMATED COSTS ARE USED.

1.03 CONTRACTOR RESPONSE
A. CONTRACTOR SHALL RESPOND WITH A FORMAL TYPEWRITTEN "CONTRACT CHANGE ORDER", IN TRIPLICATE, REFERENCING AUTHORIZATION NUMBER, JOB NAME, DATE, SPECIFIC ITEMS CHANGED AND SHALL INDICATE TOTAL AMOUNT OF AUTHORIZATION IMPOSED COSTS. CONTRACTOR WILL ONLY BE ALLOWED AN (8%) EIGHT PERCENT OVERHEAD AND PROFIT MARKUP. BACK UP DOCUMENTATION IS TO BE SUBMITTED WITH ALL EXTRA COSTS. TWO OR MORE AUTHORIZATIONS MAY BE INCLUDED ON ONE CHANGE ORDER.

SECTION 01040
COORDINATION

PART 1 – GENERAL
1.01 PROJECT COORDINATION
A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL OVERALL COORDINATION OF THE WORK REQUIRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL OF HIS SUBCONTRACTORS COORDINATE THEIR WORK AS IT RELATES TO THE WORK OF OTHER TRADES.

1.02 MECHANICAL AND ELECTRICAL COORDINATION
A. CONTRACTOR SHALL COORDINATE THE LOCATION OF OPENING IN THE BUILDING FLOORS, ROOFS AND WALLS FOR SUPPLY, RETURN AND EXHAUST DUCTS, PIPING AND WIRING UNLESS OTHERWISE NOTED OR SPECIFIED HEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL OF HIS SUBCONTRACTORS COORDINATE THEIR WORK WITH REGARD TO OPENINGS WHICH ARE TO BE LEFT IN FLOORS, ROOF AND PARTITIONS FOR THE PROPER OPERATION OF ALL SYSTEMS AND THAT ALL OPENINGS ARE IN CORRECT LOCATIONS.

1.03 CUTTING AND PATCHING
A. EXCEPT AS OTHERWISE SPECIFIED, EACH SUBCONTRACTOR SHALL EXECUTE ALL CUTTING AND PATCHING IN HIS WORK THAT MAY BE REQUIRED BY OTHERS SO THAT THE ENGAGEMENTS BETWEEN THE VARIOUS MATERIAL WILL BE NEAT AND PROPER. CUTTING OF ANY STRUCTURAL PORTIONS OF THE BUILDING SHALL NOT BE PERMITTED EXCEPT AS APPROVED BY THE OWNER. EACH SUBCONTRACTOR SHALL LOCATE AND PROVIDE SLEEVES, SUITABLE TO THE GENERAL CONTRACTOR, FOR ALL HOLES, CHASES, OPENINGS, OR BLOCK–OUTS REQUIRED FOR THE INSTALLATION OF THEIR WORK. ALL SUCH OPENINGS SHALL BE STRAIGHT, TRUE, AND OF PROPER SIZE. NO EXCESSIVE CUTTING WILL BE PERMITTED, NOR SHALL OPENINGS BE LOCATED TO ALTER THE INSTALLATION OF ANY STRUCTURAL MEMBER FROM THAT INDICATED ON DRAWINGS. AFTER THE WORK HAS BEEN INSTALLED, ALL OPENINGS SHALL BE CAREFULLY PATCHED AND FITTED AROUND AS DIRECTED AND TO THE SATISFACTION OF THE OWNER.

SECTION 01300
SUBMITTALS

PART 1 – GENERAL
1.01 REQUIREMENTS INCLUDED
A. PROCEDURES.
B. CONSTRUCTION PROGRESS SCHEDULES.
C. SCHEDULE OF VALUES.
D. SHOP DRAWINGS.
E. PRODUCT DATA.
F. SAMPLES.

1.02 PROCEDURES
A. DELIVERY ADDRESS:
DELIVER SUBMITTALS TO OWNER AT ADDRESS LISTED ON INVITATION TO BID.
B. TRANSMITTAL FORM AND IDENTIFICATION:
TRANSMIT EACH ITEM USING OWNER–ACCEPTED TRANSMITTAL FORM. IDENTIFY PROJECT, CONTRACTOR, SUBCONTRACTOR, MAJOR SUPPLIER; IDENTIFY PERTINENT DRAWING SHEET AND DETAIL NUMBER, AND SPECIFICATION SECTION NUMBER, AS APPROPRIATE.
IDENTIFY DEVIATIONS FROM CONTRACT DOCUMENTS. PROVIDE SPACE FOR CONTRACTOR AND OWNER/ARCHITECT REVIEW STAMPS.
C. COORDINATION:
COMPLY WITH PROGRESS SCHEDULE FOR SUBMITTALS RELATED TO WORK PROGRESS.
COORDINATE SUBMITTAL OF RELATED ITEMS.
D. REVIEW:
1. CONTRACTOR
a. GENERAL:
REVIEW SUBMITTALS PRIOR TO TRANSMITTAL; DETERMINE AND VERIFY FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MANUFACTURER'S CATALOG NUMBERS, AND CONFORMANCE OF SUBMITTAL WITH REQUIREMENTS OF CONTRACT DOCUMENTS. SUBMITTAL INFORMATION DEVIATING FROM REQUIREMENTS OF CONTRACT DOCUMENTS SHALL BE CLEARLY CIRCLED IN RED.
b. COORDINATION:
COORDINATION SUBMITTALS WITH REQUIREMENTS OF WORK AND OF CONTRACT DOCUMENTS.
c. CERTIFICATION:
APPLY STAMP AND SIGN OR INITIAL EACH SHEET OF SHOP DRAWINGS AND PRODUCT DATA, AND EACH SAMPLE LABEL TO CERTIFY COMPLIANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS. NOTIFY OWNER IN WRITING AT TIME OF SUBMITTAL, OF DEVIATIONS FROM REQUIREMENTS.

2. OWNER
a. GENERAL:
OWNER WILL REVIEW SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES AND RETURN SUBMITTALS WITHIN 10 DAYS.
b. ACCEPTANCE AND FABRICATION:
DO NOT FABRICATED PRODUCTS OR BEGIN WORK WHICH REQUIRES SUBMITTALS UNTIL RETURN OF SUBMITTAL WITH OWNER'S ACCEPTANCE.
E. REVISIONS:
AFTER OWNER REVIEW OF SUBMITTAL, REVISE AND RESUBMIT AS REQUIRED, IDENTIFYING CHANGES MADE SINCE PREVIOUS SUBMITTAL.
F. DISTRIBUTION:
DISTRIBUTE COPIES OF REVIEWED SUBMITTALS TO CONCERNED PERSONS. INSTRUCT RECIPIENTS TO PROMPTLY REPORT ANY INABILITY TO COMPLY WITH PROVISIONS.

1.03 CONSTRUCTION PROGRESS SCHEDULES
A. CONSTRUCTION SCHEDULES:
ALONG WITH THE INVITATION TO BID, THE OWNER WILL SUBMIT TO CONTRACTOR COPIES OF HIS ANTICIPATED CONSTRUCTION SCHEDULE.
B. TYPE:
NETWORK ANALYSIS SYSTEM USING THE CRITICAL PATH METHOD, GENERALLY AS OUTLINED IN ASSOCIATED GENERAL CONTRACTORS OF AMERICA (AGC) PUBLISHED "THE USE OF CPM IN CONSTRUCTION – A MANUAL FOR GENERAL CONTRACTORS" IS PREFERRED, BUT A HORIZONTAL BAR CHART WITH SEPARATE BAR FOR EACH MAJOR TRADE OR OPERATION, IDENTIFYING FIRST WORK DAY OF EACH WEEK IS ACCEPTABLE.
C. SEQUENCE OF CONSTRUCTION:
SHOW COMPLETE SEQUENCE OF CONSTRUCTION BY ACTIVITY, IDENTIFYING WORK OF SEPARATE STAGES AND OTHER LOGICALLY GROUPED ACTIVITIES.
D. PERCENTAGE OF COMPLETION:
SHOW PROJECTED PERCENTAGE OF COMPLETION FOR EACH ITEM OF WORK AS OF TIME OF EACH APPLICATION FOR PAYMENT.
E. SUBMITTAL DATES:
SHOW SUBMITTAL DATES REQUIRED FOR SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES, AND PRODUCT DELIVERY DATES, INCLUDING THOSE FURNISHED BY OWNER.
F. PROGRESS REPORTS:
THE CONTRACTOR SHALL, ON FRIDAY OF EACH WEEK, COMPLETE AND MAKE DISTRIBUTION OF A SYNOPSIS OF JOB PROGRESS BY TRADE CATEGORY WITH DISTRIBUTION AS DIRECTED BY OWNER. THE FORM SHALL BE COMPLETED BY THE CONTRACTOR'S JOB SUPERINTENDENT, COMPLETE WITH A "REMARKS" SPACE FOR WRITTEN COMMUNICATION OF MINOR JOB PROBLEMS AND REQUESTS WHICH CAN BE MADE UNDER FIELD CONDITIONS.
G. COPIES REQUIRED:
1. INITIAL ISSUE
SUBMIT THREE; WITHIN 10 DAYS AFTER DATE OF NOTICE TO PROCEED. AFTER REVIEW BY OWNER, REVISE AND RESUBMIT AS REQUIRED.
2. REVISED
SUBMIT THREE; WITH EACH APPLICATION FOR PAYMENT, REFLECTING CHANGES SINCE PREVIOUS SUBMITTAL.

1.04 SCHEDULE OF VALUES
A. FORM:
UTILIZE THE FORM LISTED IN THE CONTRACT FOR CONSTRUCTION DOCUMENTS.
B. FORMAT:
TABLE OF CONTENTS OF THIS PROJECT MANUAL. IDENTIFY EACH LINE ITEM WITH NUMBER AND TITLE OF THE MAJOR PROJECT MANUAL SECTION.
C. OVERHEAD AND PROFIT:
INCLUDE IN EACH LINE ITEM A DIRECTLY PROPORTIONAL AMOUNT OF CONTRACTOR'S OVERHEAD AND PROFIT.
D. CHANGE ORDERS:
REVISE SCHEDULE TO LIST CHANGE ORDERS, FOR EACH APPLICATION FOR PAYMENT.
E. COPIES REQUIRED:
SAME AS FOR PROGRESS SCHEDULES.

1.05 SHOP DRAWINGS
A. GENERAL:
PRESENT IN A CLEAR AND THOROUGH MANNER. TITLE EACH DRAWING WITH PROJECT NAME AND NUMBER; IDENTIFY EACH ELEMENT OF DRAWINGS BY REFERENCE TO SHEET NUMBER AND DETAIL, SCHEDULE, OR ROOM NUMBER OF CONTRACT DOCUMENTS. IDENTIFY FIELD DIMENSIONS; SHOW RELATION TO ADJACENT OR CRITICAL FEATURES OR WORK OR PRODUCTS.
B. COPIES REQUIRED:
SUBMIT ONE REPRODUCIBLE TRANSPARENCY AND ONE OPAQUE COPY OF EACH SHEET. CONTRACTOR MAY ALSO EMAIL SHOP DRAWINGS IN AUTOCAD R–14 FORMAT IN ADDITION. CONTRACTOR MUST STILL SUBMIT HARD COPIES FOR FINAL APPROVAL.
C. REPRODUCTION AND DISTRIBUTION:
AFTER OWNER REVIEW AND ACCEPTANCE, REPRODUCE AND DISTRIBUTE IN ACCORD WITH "PROCEDURES" ABOVE. OWNER WILL MAKE AND RETAIN COPIES REQUIRED FOR HIS OWN USE.

1.06 PRODUCT DATA
A. GENERAL:
SUBMIT ONLY PAGES WHICH ARE PERTINENT; MARK EACH COPY OF STANDARD PRINTED DATA TO IDENTIFY PERTINENT PRODUCTS, REFERENCED TO PROJECT MANUAL SECTION AND ARTICLE NUMBER. SHOW REFERENCES STANDARDS, PERFORMANCE CHARACTERISTICS, AND CAPACITIES; WIRING AND PIPING DIAGRAMS AND CONTROLS; COMPONENT PARTS; FINISHES; DIMENSIONS; AND REQUIRED CLEARANCES.

B. MODIFICATIONS:
MODIFY MANUFACTURER'S STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS TO SUPPLEMENT STANDARD INFORMATION AND TO PROVIDE INFORMATION SPECIFICALLY APPLICABLE TO THE WORK. DELETE INFORMATION NOT APPLICABLE.
C. COPIES REQUIRED:
SUBMIT NUMBER CONTRACTOR REQUIRES, PLUS TWO COPIES WHICH WILL BE RETAINED BY OWNER.

1.07 SAMPLES
A. GENERAL:
SUBMIT FULL RANGE OF MANUFACTURER'S STANDARD FINISHES EXCEPT WHEN MORE RESTRICTIVE REQUIREMENTS ARE SPECIFIED, INDICATING COLORS, TEXTURES, AND PATTERNS. SUBMIT SAMPLES TO ILLUSTRATE FUNCTIONAL CHARACTERISTICS OF PRODUCTS, INCLUDING PARTS AND ATTACHMENTS.
B. IDENTIFICATION:
LABEL EACH SAMPLE WITH IDENTIFICATION REQUIRED FOR TRANSMITTAL LETTER.
C. NUMBER REQUIRED:
THREE SETS OF SAMPLES, CHARTS, COLOR PLATES AND MANUFACTURER'S DATA.

SECTION 01410
TESTING LABORATORY SERVICES

PART – 1 GENERAL
1.01 REQUIREMENTS INCLUDED
A. CONTRACTOR PROVIDED TESTING LABORATORY SERVICES.

1.02 RELATED REQUIREMENTS
A. GENERAL CONDITIONS: INSPECTIONS, TESTING, AND APPROVALS REQUIRED BY PUBLIC AUTHORITIES.
B. TESTING ADJUSTING AND BALANCING OF SYSTEMS.
C. CONTRACT CLOSEOUTS: RECORD DOCUMENTS.
D. INDIVIDUAL SPECIFICATIONS SECTIONS: INSPECTIONS AND TESTS REQUIRED AND STANDARDS FOR TESTING.

1.03 REFERENCES
A. ANSI/ASTM D3740 – PRACTICE FOR EVALUATION OF AGENCIES ENGAGED IN TESTING AND/OR INSPECTION OF SOIL AND ROCK AS USED IN ENGINEERING DESIGN AND CONSTRUCTION.
B. ANSI/ASTM E329 – STANDARD RECOMMENDED PRACTICE FOR INSPECTION AND TESTING AGENCIES FOR CONCRETE, STEEL AND BITUMINOUS MATERIALS AS USED IN CONSTRUCTION.

1.04 SECTION AND PAYMENT
A. CONTRACTOR EMPLOY AND PAY FOR SERVICES OF AN OWNER–ACCEPTABLE INDEPENDENT TESTING LABORATORY TO PERFORM SPECIFIED INSPECTION AND TESTING. EMPLOYMENT OF TESTING LABORATORY IN NO WAY RELIEVES CONTRACTOR OF OBLIGATION TO PERFORM WORK IN ACCORD WITH REQUIREMENTS OF CONTRACT DOCUMENTS.

1.05 QUALITY ASSURANCE
A. LABORATORY:
EMPLOY LABORATORY AUTHORIZED TO OPERATE IN STATE IN WHICH PROJECT IS LOCATED AND WHICH MAINTAINS A FULL–TIME REGISTERED ENGINEER ON STAFF TO REVIEW SERVICES.
B. EQUIPMENT:
TESTING EQUIPMENT SHALL BE CALIBRATED AT REASONABLE INTERVALS WITH DEVICES OF AN ACCURACY TRACEABLE TO EITHER NBS STANDARDS OR ACCEPTED VALUES OF NATURAL PHYSICAL CONSTANTS.

1.06 CONTRACTOR SUBMITTALS
A. PRIOR TO START OF WORK, SUBMIT TESTING LABORATORY NAME, ADDRESS, AND TELEPHONE NUMBER, AND NAMES OF FULL–TIME REGISTERED ENGINEER AND RESPONSIBLE OFFICER TO THE OWNER.

1.07 LABORATORY RESPONSIBILITIES
A. TEST SAMPLES OF MIXES SUBMITTED BY CONTRACTOR.
B. PROVIDE QUALIFIED PERSONNEL AT SITE AFTER DUE NOTICE; COOPERATE WITH OWNER AND CONTRACTOR IN PERFORMANCE OF SERVICES.
C. PERFORM SPECIFIED INSPECTION, SAMPLING, AND TESTING OF PRODUCTS.
D. ASCERTAIN COMPLIANCE OF MATERIALS AND MIXES WITH REQUIREMENTS OF CONTRACT DOCUMENTS.
E. PROMPTLY NOTIFY OWNER AND CONTRACTOR OF OBSERVED IRREGULARITIES OR NON–CONFORMANCE OF WORK OR PRODUCTS.
F. PERFORM ADDITIONAL INSPECTIONS AND TESTS REQUIRED BY OWNER.
G. ATTEND PRECONSTRUCTION CONFERENCES AND PROGRESS MEETINGS WHEN REQUESTED.

1.08 LABORATORY REPORTS
A. AFTER EACH INSPECTION AND TEST, PROMPTLY SUBMIT TWO COPIES OF LABORATORY REPORT TO OWNER AND TO CONTRACTOR. INCLUDE: DATE ISSUED; PROJECT TITLE AND NUMBER; NAME OF INSPECTOR, DATE AND TIME OF SAMPLING OR INSPECTION. IDENTIFICATION OF PRODUCT AND SPECIFICATIONS SECTION, LOCATION IN THE PROJECT, TYPE OF INSPECTION OR TEST, DATE OF TEST, RESULTS OF TESTS, AND CONFORMANCE WITH CONTRACT DOCUMENTS. WHEN REQUESTED BY OWNER, PROVIDE INTERPRETATION OF TEST RESULTS.

1.09 LIMITS OF TESTING LABORATORY AUTHORITY
A. LABORATORY MAY NOT RELEASE, REVOKE, ALTER, OR ENLARGE ON REQUIREMENTS OF CONTRACT DOCUMENTS, APPROVE OR ACCEPT ANY PORTION OF THE WORK, ASSUME ANY DUTIES OF CONTRACTOR AND HAS NO AUTHORITY TO STOP WORK.

1.10 CONTRACTOR RESPONSIBILITIES
A. DELIVER TO LABORATORY AT DESIGNATED LOCATION ADEQUATE SAMPLES OF MATERIALS PROPOSED TO BE USED WHICH REQUIRE TESTING, TOGETHER WITH PROPOSED MIX DESIGNS.
B. COOPERATE WITH LABORATORY PERSONNEL, AND PROVIDE ACCESS TO WORK.
C. PROVIDE INCIDENTAL LABOR AND FACILITIES TO PROVIDE ACCESS TO WORK TO BE TESTED, TO OBTAIN AND HANDLE SAMPLES AT THE SITE OR AT SOURCE OF PRODUCTS TO BE TESTED TO FACILITATE TESTS AND INSPECTIONS, AND FOR STORAGE AND CURING OF TEST SAMPLES.
D. NOTIFY OWNER AND LABORATORY 24 HOURS PRIOR TO EXPECTED TIME FOR OPERATIONS REQUIRING INSPECTION AND TESTING SERVICES.

SECTION 01420
SECURITY

PART 1 – GENERAL
1.01 WATCHMAN SERVICE
A. CONTRACTOR MAY EMPLOY AND PAY FOR WATCHMAN, OR A WATCHMAN'S SERVICE, AS HE DEEMS NECESSARY TO PROTECT HIS OWN INTEREST, AND HE SHALL BE RESPONSIBLE FOR AND PAY FOR LOSSES OR DAMAGES TO THE OWNER'S MATERIALS OR OTHER PROPERTY AS A RESULT OF THEFT, MYSTERIOUS DISAPPEARANCES OR INTRUSIONS BY STRANGERS.
B. TEMPORARY CONTROLS:
1. PROVIDE BARRIERS TO PREVENT UNAUTHORIZED ENTRY TO CONSTRUCTION AREAS AND TO PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM DAMAGE FROM CONSTRUCTION OPERATIONS AND DEMOLITION.

SECTION 01500
TEMPORARY UTILITIES

PART 1 – GENERAL
1.01 SECTION INCLUDES
A. TEMPORARY ELECTRICITY. HEATING, WATER, SANITARY FACILITIES & FIRE PROTECTION

1.02 TEMPORARY ELECTRICITY AND LIGHTING
A. PROVIDE WIRING, FUSES, DISCONNECT SWITCHES, SAFETY DEVICES, JUNCTION BOXES, PANEL BOXES, GROUND FAULT PROTECTIONS, AND TRANSFORMER IF REQUIRED, IN CONNECTING WITH USE OF TEMPORARY ELECTRICAL SERVICE FOR LIGHTING AND POWER DURING CONSTRUCTION. ALL ITEMS AND INSTALLATIONS ARE TO CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, AND "OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970". OBSERVATIONS BY THE ARCHITECT/OWNER, HIS AGENTS, OR ANY RECOGNIZED AGENCY INDICATING FAILURE TO COMPLY WITH CODE REQUIREMENTS SHALL BE CAUSE FOR IMMEDIATE SUSPENSION OF JOB SITE OPERATIONS BY THE CONTRACTOR UNTIL THE SYSTEM IS IN FULL COMPLIANCE. NO EXTENSION TO THE CONTRACT TIME SHALL BE ALLOWED FOR SUCH SUSPENSION OF JOB SITE OPERATIONS.

1.03 TEMPORARY HEATING
A. REQUIREMENT:
PROVIDE, PAY FOR AND MAINTAIN, ALL TEMPORARY HEATING FACILITIES REQUIRED DURING THE PROGRESS OF THE WORK TO PROTECT MATERIALS, FINISHED WORK AND EQUIPMENT AGAINST INJURY FROM DAMPNESS AND COLD. TEMPORARY HEAT SHALL BE REQUIRED WHEN THE OUTSIDE TEMPERATURE IS LOW ENOUGH TO DAMAGE OR AFFECT IN ANY WAY THE PERFORMANCE OR QUALITY OF ANY PRODUCT OR MATERIAL BEING STORED IN THE BUILDING, IN ANY TEMPORARY STORAGE AREA, OR ANY MATERIAL INCORPORATED INTO THE WORK. TEMPORARY HEAT SHALL ALSO BE REQUIRED WHEN THE OUTSIDE TEMPERATURE IS LOW ENOUGH TO SIGNIFICANTLY SLOW OR HAMPER THE EFFECTIVENESS OF WORKMEN ON THE JOB.
B. USE OF PERMANENT HEATING SYSTEM:
PERMANENT HEATING SYSTEM MAY BE USED FOR THIS PURPOSE AFTER COMPLETION, PROVIDED CONTRACTOR OBTAINS WRITTEN PERMISSION FROM OWNER, AND AGREES TO PAY ALL CHARGES FOR FUEL, ATTENDANCE, MAINTENANCE, REPAIR AND REPLACEMENT, IF NECESSARY, TO THE EQUIVALENT OF NEW CONDITIONS, INCLUDING REPLACEMENT OF FILTERS AND CLEANING OF GRILLES AND DIFFUSERS.
C. INSURANCE ENDORSEMENT:
WHERE PERMANENT HEATING SYSTEM IS USED FOR CONTRACTOR'S CONVENIENCE, AT HIS REQUEST AND SUBJECT TO OWNER'S ACCEPTANCE, BUILDER'S RISK INSURANCE POLICIES REQUIRED UNDER THE CONTRACT DOCUMENTS SHALL BE ENDORSED TO PERMIT SAID OPERATION OF SUCH PERMANENT EQUIPMENT (OTHER THAN FOR TESTING PURPOSES) AT SUCH TIME AND UNDER SUCH CONDITIONS AS THE OWNER SHALL ACCEPT.

1.04 TEMPORARY WATER:
A. PROVIDE TEMPORARY STORAGE TANKS, PIPING, VALVES, FITTINGS, HOSE AND HOSE CONNECTIONS AS REQUIRED FOR USE OF WATER DURING CONSTRUCTION AND TESTING.

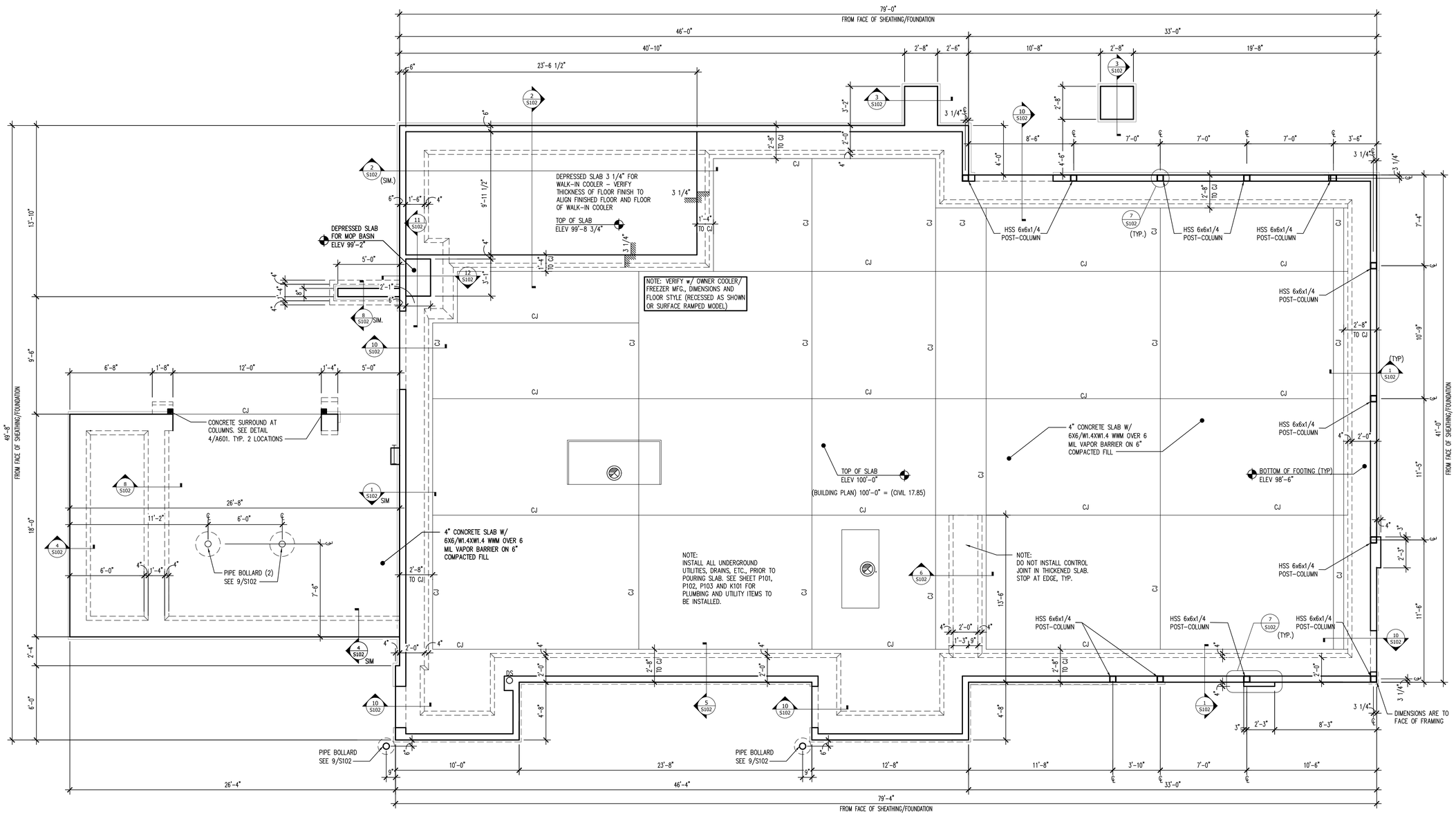
1.05 TEMPORARY SANITARY FACILITIES
A. FURNISH, INSTALL AND MAINTAIN AMPLE SANITARY FACILITIES FOR USE OF WORKMEN OF ALL TRADES ENGAGED IN WORK UNDER CONTRACT. TEMPORARY TOILETS SHALL BE CONSTRUCTED AT TIME WORK IS COMMENCED AND SHALL BE SUBJECT TO APPLICABLE CITY ORDINANCES, HEALTH DEPARTMENT REQUIREMENTS AND RULES AND REGULATIONS OF GOVERNING AUTHORITIES BY CODE OR OTHERWISE.

1.06 TEMPORARY FIRE PROTECTION
A. OBSERVE AND ENFORCE COMPLIANCE BY ALL TRADES ENGAGED IN WORK UNDER THE CONTRACT WITH REQUIREMENTS OF CITY, COUNTY, STATE, FEDERAL AND INSURANCE UNDERWRITER'S REGULATIONS TO MINIMIZE FIRE HAZARDS INCIDENTAL TO THE WORK. PROVIDE OPERABLE FIRE EXTINGUISHING DEVICES IN WELL–MARKED, ACCESSIBLE LOCATIONS DISTRIBUTED THROUGHOUT THE PROJECT IN COMPLIANCE WITH GOVERNING CODES AND ORDINANCES.

1.07 ARRANGEMENT AND PAYMENT
A. CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS AND SHALL PAY FOR WATER, ELECTRIC POWER, GAS, AND SEWAGE SERVICE DURING THE CONSTRUCTION OF THE BUILDING AS MAY BE REQUIRED FOR USE OF HIS OWN FORCES AND THOSE OF HIS SUBCONTRACTORS, AND AS REQUIRED BY THEM UNTIL ACCEPTANCE OF THE WORK BY THE OWNER.

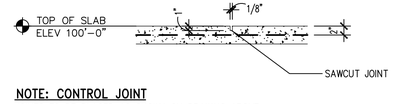
SECTION 01530
PROJECT IDENTIFICATION AND SIGNS

PART 1 – GENERAL
1.01 PROJECT SIGN FRAME
A. WITHIN SEVEN DAYS OF DATE OF NOTICE TO PROCEED, FURNISH AND ERECT ONE (1) PROJECT IDENTIFICATION SIGNS, IN A LOCATION DIRECTED BY THE OWNER: SIGN SHALL CONSIST OF 4X4 INCH POSTS SUPPORTING A 4'–0" HIGH BY 8'–0" WIDE SHEET OF 3/4 INCH THICK EXTERIOR A/C PLYWOOD. LOCATE POST 1'–0" FROM ENDS OF PLYWOOD; 6'–0" CENTERS. BOTTOM OF PLYWOOD SHALL BE AT 4'–0" ABOVE GRADE.
B. FRAMEWORK SHALL RECEIVE A FABRIC SIGN TO BE FURNISHED BY OWNER AND INSTALLED BY GENERAL CONTRACTO



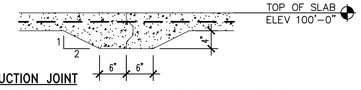
1/S101 FOUNDATION PLAN

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



NOTE: CONTROL JOINT

JOINTS TO BE PLACED AS SHOWN ON DRAWING ABOVE.



NOTE: CONSTRUCTION JOINT

CONSTRUCTION JOINTS SHALL BE PROVIDED AT ALL POUR STOPS. ALL CONSTRUCTION JOINTS ARE TO BE KEYED. KEYWAYS SHALL BE 1 1/2" DEEP x 1/3 THE SLAB THICKNESS.

2/S101 CONSTRUCTION/CONTROL JOINT

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

FOUNDATION NOTES

1. SEE SHEET S202 CONCRETE - EXTERIOR CONCRETE SHALL BE 4,000 PSI CONCRETE WITH LIMESTONE AGGREGATE 3" - 4" SLUMP, AIR ENTRAINED WITH A TROWELED OR BROOMED FINISH ALL SIDEWALKS TO HAVE A BROOM FINISH PERPENDICULAR TO THE DIRECTION OF TRAFFIC. PROVIDE TACTICAL WARNING STRIPS AT RAMPS. (SEE CIVIL DRAWINGS)
2. SEE SHEET S202 CONCRETE - INTERIOR CONCRETE SHALL BE 4,000 PSI CONCRETE WITH NATURAL AGGREGATE OR LIMESTONE AGGREGATE, 3" - 4" SLUMP WITH A TROWELED FINISH. PROVIDE HARDENER SEALER FOR ALL INTERIOR EXPOSED SLABS.
3. CALCIUM CHLORIDE IS NOT TO BE USED AS AN ADDITIVE.
4. REINFORCING STEEL SHALL BE ASTM A615 60 YIELD GRADE, DEFORMED BILLET STEEL BARS.
5. ALL REINFORCING BARS AND WIRE REINFORCEMENT SHALL BE PROPERLY SUPPORTED WITH WIRE (CLASS 1), COMPOSITE, OR PRECAST CONCRETE BAR SUPPORTS IN ACCORDANCE WITH CRSI STANDARDS.
6. ANCHOR BOLTS TO BE ASTM F-1554.
7. VERIFY ALL FIELD DIMENSIONS PRIOR TO ENGINEERED DRAWINGS.
8. FOUNDATIONS DESIGNED ON ASSUMED MINIMUM SOIL CAPACITY AS NOTED ON S202. (MIN. 95% MODIFIED. PROCTOR MAX DRY DENSITY.) CONTRACTOR TO VERIFY PRIOR TO BEGINNING FOOTINGS.
9. PROVIDE SOIL TREATMENT FOR TERMITE PROTECTION IN ACCORDANCE WITH FBC 1816.
10. SEE S202 FOR ADDITIONAL FOUNDATION/ CONCRETE NOTES.

REV:	DESCRIPTION	BY	DATE
		SJV	

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TAMPA, FL 33619

FOUNDATION PLAN

DESIGNED BY:

REVIEWED BY: SJV, JLM

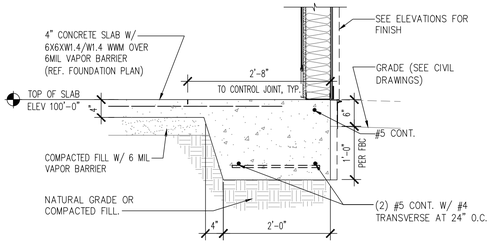
DRAWN BY:

DATE: JULY 8, 2021

JOB NUMBER: 2021-0194

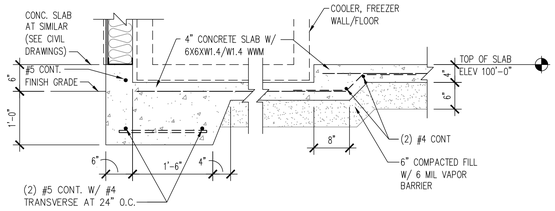
SCALE: AS NOTED

S101



1 S102 FOUNDATION DETAIL

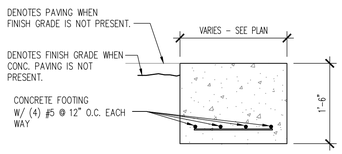
SCALE:3/4"=1'-0"



2 S102 COOLER/FREEZER FOUNDATION DETAIL

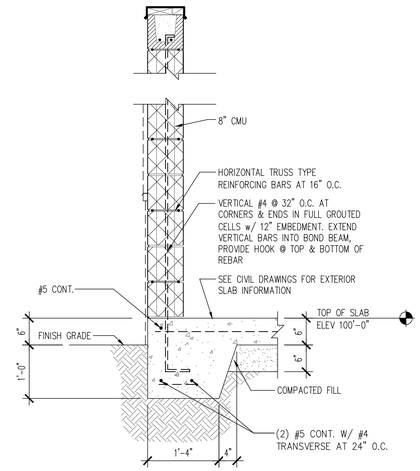
SCALE:3/4"=1'-0"

NOTE: VERIFY WITH OWNER COOLER AND FREEZER DIMENSIONS AND FLOOR TYPE (RECESSED OR RAMP ACCESS)



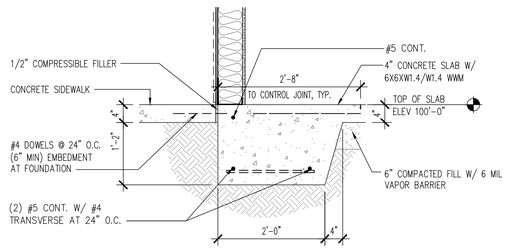
3 S102 TYPICAL COLUMN FOUNDATION

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



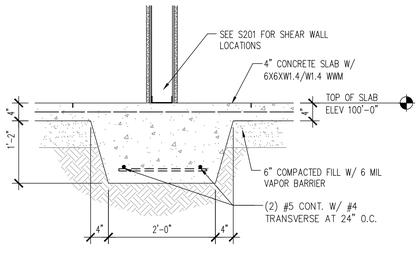
4 S102 TRASH ENCLOSURE FOUNDATION DETAIL

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



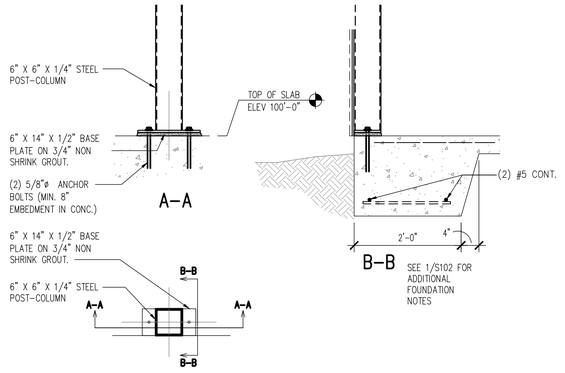
5 S102 FOUNDATION DETAIL

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



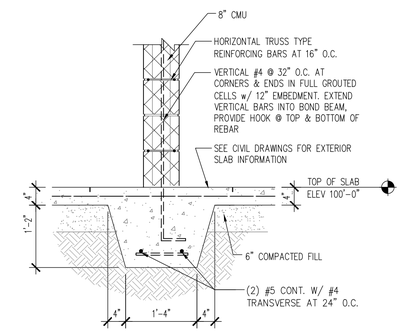
6 S102 THICKENED SLAB DETAIL

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



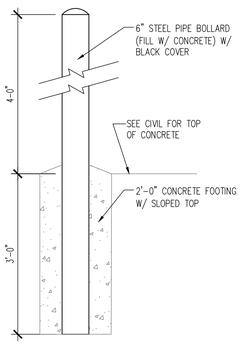
7 S102 POST-COLUMN FOOTING DETAIL

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



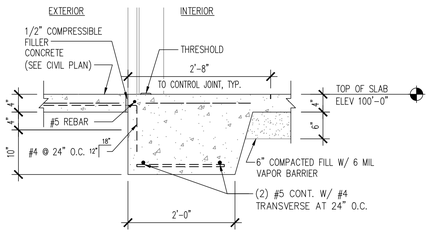
8 S102 TRASH ENCLOSURE THICKENED SLAB DETAIL

SCALE: NO SCALE



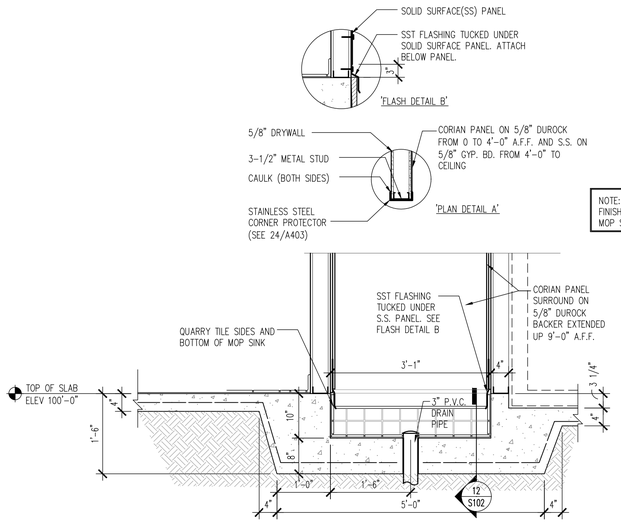
9 S102 PIPE BOLLARD DETAIL

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



10 S102 SECTION DETAIL

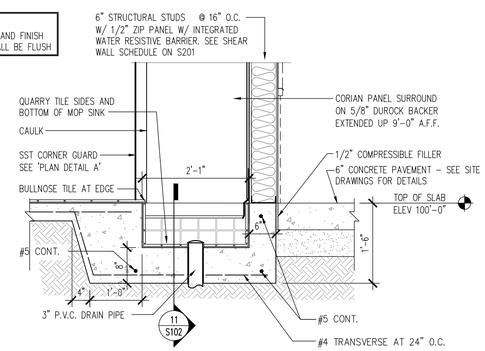
SCALE:3/4"=1'-0"



11 S102 MOP SINK SLAB DETAIL

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

NOTE:
FINISH WALLS AND FINISH MOP SINK SHALL BE FLUSH



12 S102 MOP SINK SLAB DETAIL

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

REV.	DESCRIPTION	BY	DATE
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		BY	

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FOUNDATION DETAILS

DESIGNED BY:
REVIEWED BY: SJV, JLM
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

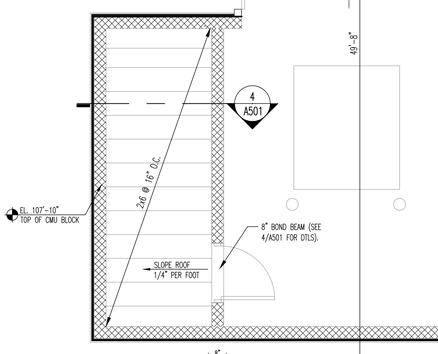
S102

BEAM SCHEDULE

MARK	SIZE	BEARING EL.	LOCATION	REMARKS
GT1	2'-1 1/2"	15'-0"	BLD'G. PERIMETER	PRE-FAB GIRDER TRUSSES
GT2	2'-6"	15'-0"	BLD'G. FRONT	PRE-FAB GIRDER TRUSSES
GT3	2'-0 1/2"	15'-0"	BLD'G. PERIMETER	PRE-FAB GIRDER TRUSSES
H1	(3) 1 3/4"x 9 1/2" LVL	14'-2 1/2"	ENTRY CANOPY	

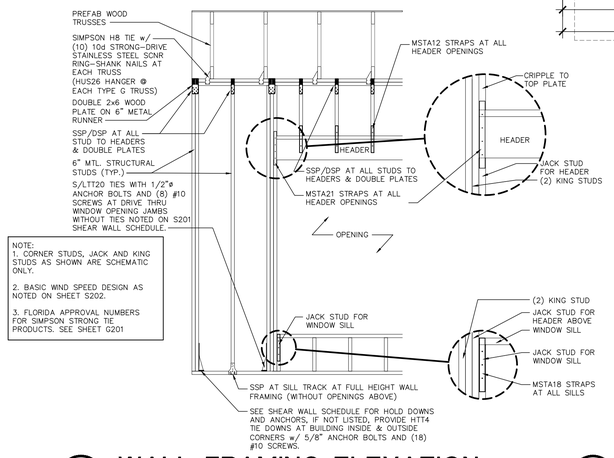
TRUSS NOTE:

GENERAL CONTRACTOR IS TO OBTAIN SITE SPECIFIC KITCHEN EQUIPMENT PLAN PRIOR TO ORDERING OR SETTING TRUSSES. ANY DISCREPANCIES ARE TO BE REPORTED PRIOR TO CONSTRUCTION.



6 S201 HOLD DOWN ELEVATION

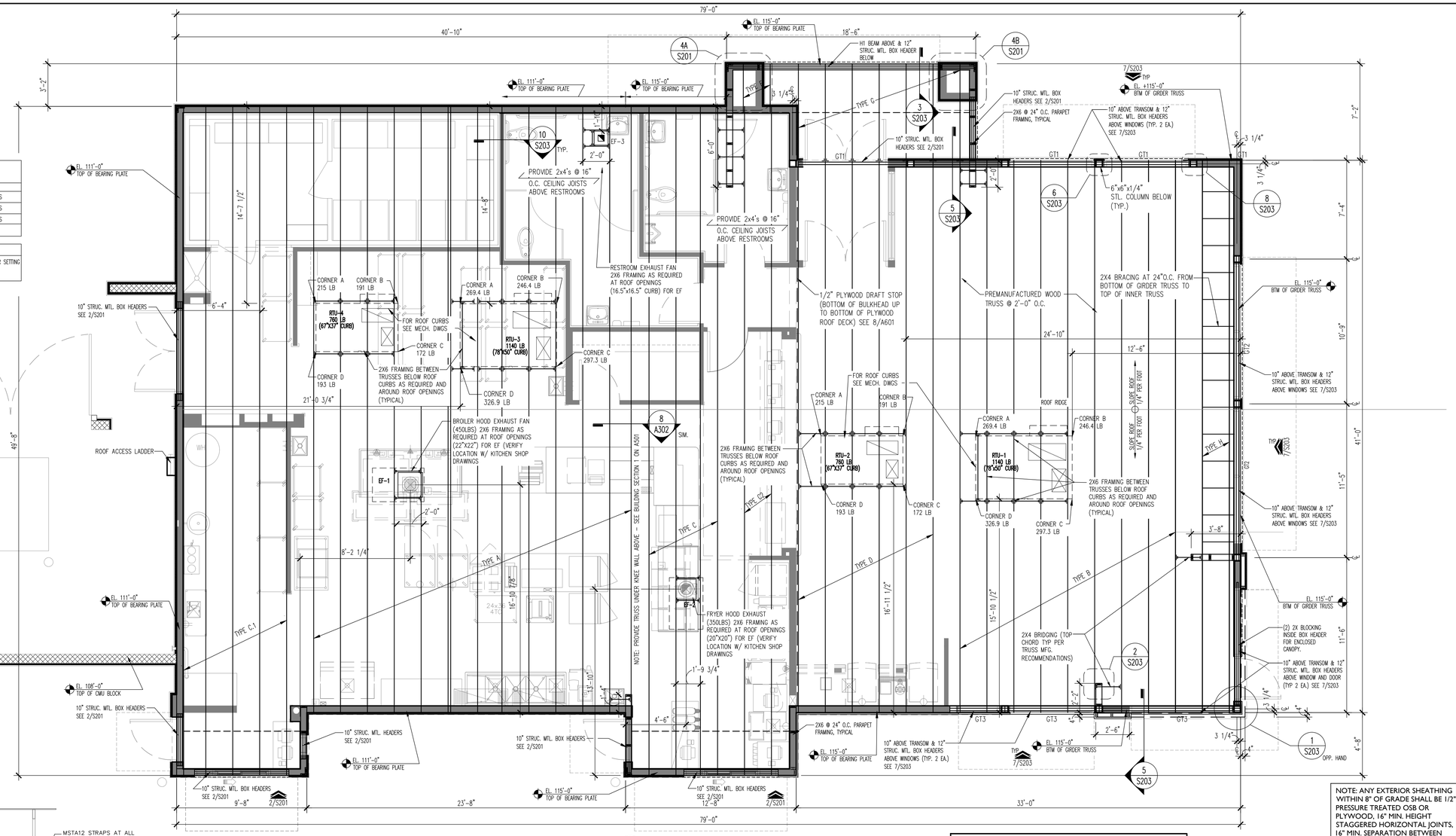
SCALE:N.T.S.



NOTE:
1. CORNER STUDS, JACK AND KING STUDS AS SHOWN ARE SCHEMATIC ONLY.
2. BASIC WIND SPEED DESIGN AS NOTED ON SHEET S202.
3. FLORIDA APPROVAL NUMBERS FOR SIMPSON STRONG TIE PRODUCTS. SEE SHEET G201

2 S201 WALL FRAMING ELEVATION

SCALE:N.T.S.

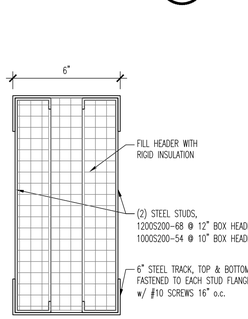


1 S201 ROOF FRAMING PLAN

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

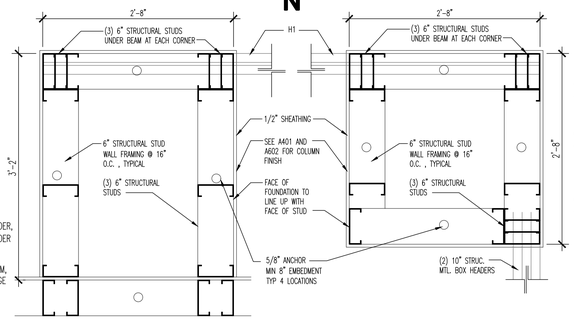
NOTE: ANY EXTERIOR SHEATHING WITHIN 8" OF GRADE SHALL BE 1/2" PRESSURE TREATED OSB OR PLYWOOD, 16" MIN. HEIGHT STAGGERED HORIZONTAL JOINTS, 16" MIN. SEPARATION BETWEEN HORIZONTAL JOINTS

NOTES:
1. NOTE (F) AT NON SHEAR WALLS (UNBLOCKED), PROVIDE 15/32" ZIP WALL SHEATHING ON EXTERIOR SIDE. USE #8 SELF TAPPING SCREWS AT 6" AT EDGES AND 12" IN THE FIELD (SEE NOTE C1 B OR C ON SHEET S202.)
2. ANCHOR BOLTS FOR NON SHEAR WALL SILL PLATES TO BE 5/8" DIA. w/ 7" MIN. EMBEDMENT, SPACED 6'-0" O.C. MAX, 2 BOLTS MIN., SPACE NO MORE THAN 12" FROM ENDS AND CORNERS.



3 S201 TYP. BOX HEADER

SCALE:3"=1'-0"

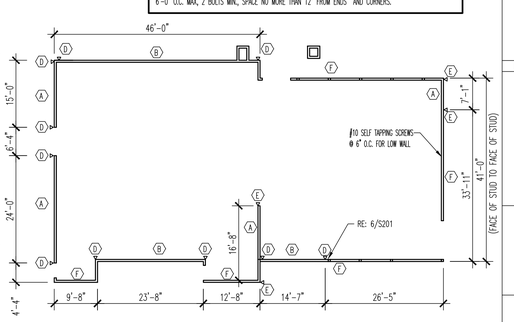


4A S201 COLUMN DETAIL AT CORNER

SCALE:1"=1'-0"

4B S201 COLUMN DETAIL AT CORNER

SCALE:1"=1'-0"



5 S201 SHEAR WALL KEY PLAN

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

SHEAR WALL SCHEDULE (SEE G201 FOR FLORIDA APPROVAL NUMBERS)

NOTES:
1. ALL ANCHOR BOLTS TO HAVE MIN. 8" EMBEDMENT INTO CONCRETE SLAB/ FOUNDATION W/ 3"x 3"x 1/4" OR 3GA. PLATE WASHER
2. ANCHOR BOLTS SHALL BE CAST-IN-PLACE OR POST-INSTALLED USING SIMPSON SET-XP EPOXY OR APPROVED ALTERNATE. MECHANICAL ANCHORS MUST BE SIMPSON TITEN HD OR ELSE APPROVED BY THE ENGINEER PRIOR TO USE.

LOCATION			
(A)	PLYWOOD OUTSIDE WALL		15/32" ZIP WALL PANEL EXTERIOR SIDE
	NAILING	BOUNDRY AND EDGES(BLOCKED)	#10 SELF TAPPING SCREWS @ 3" O.C.
		FIELD	#10 SELF TAPPING SCREWS @ 12" O.C.
	PLYWOOD INSIDE WALL		15/32" CDX INTERIOR SIDE
	NAILING	BOUNDRY AND EDGES(BLOCKED)	#10 SELF TAPPING SCREWS @ 3" O.C.
		FIELD	#10 SELF TAPPING SCREWS @ 12" O.C.
	ANCHOR BOLTS		5/8" DIA. A.B. @ 2'-0" O.C. MAX
	SIMPSON HOLD-DOWN EA. END		SEE NOTE E BELOW
	DETAIL / REMARK		DOUBLE STUD @ END
(B)	PLYWOOD		15/32" CDX EXTERIOR SIDE
	NAILING	BOUNDRY AND EDGES(BLOCKED)	#10 SELF TAPPING SCREWS @ 4" O.C.
		FIELD	#10 SELF TAPPING SCREWS @ 12" O.C.
	ANCHOR BOLTS		5/8" DIA. A.B. @ 3'-0" O.C. MAX
	SIMPSON HOLD-DOWN EA. END		SEE NOTE D BELOW
	DETAIL / REMARK		DOUBLE STUD @ END
(C)	NOT USED		
(D)	SIMPSON HOLD DOWN		S/HDU6 TO DOUBLE STUD W/ 12 #14 SCREWS AND 5/8" ANCHOR BOLT
(E)	SIMPSON HOLD DOWN		S/HDU11 W/22 #14 SCREWS THRU DBLE STUD W/ 7/8" ANCHOR BOLT AND HEAVY HEX NUT.

REV.	DESCRIPTION	BY	DATE

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ROOF FRAMING PLAN AND DETAILS

DESIGNED BY:

REVIEWED BY: SJV, JLM

DRAWN BY:

DATE: JULY 8, 2021

JOB NUMBER: 2021-0194

SCALE: AS NOTED

S201

STRUCTURAL NOTES

A. GENERAL

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.
2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUB-CONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
4. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES ANY REQUIRED SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
6. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO COORDINATE ALL DETAILS, DIMENSIONS, ELEVATIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.
7. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

B. GOVERNING CODE: 2020 – FLORIDA BUILDING CODE

1. ROOF LIVE LOADS
   - A. MINIMUM ROOF LIVE LOAD = 20 PSF. (SECTION 1607.1)
   - B. SEE "PREFABRICATED WOOD TRUSSES" DESIGN CRITERIA FOR ADDITIONAL LOADING INFORMATION.
2. WIND LOADS (ASCE 7-10)
   - A. ULTIMATE BASIC WIND SPEED = 120 MPH (FIGURE 26.5-1A)
   - B. NOMINAL BASIC WIND SPEED = 93 MPH (TABLE 1609.3.1-FBC)
   - C. RISK CATEGORY = CATEGORY II (TABLE 1.5-1)
   - D. WIND EXPOSURE CATEGORY "C" (SECTION 26.7-3)
   - E. ENCLOSED WITH GCpi = +/-0.18 (TABLE 26.11-1, ASCE 7-10)

CLADDING AND COMPONENTS WIND DESIGN PRESSURES (FIGURE 30.5-1, ASCE 7-10)		
ZONE 1 (ROOF)	11.2	-32.0
ZONE 2 (ROOF EDGE)	11.2	-37.9
ZONE 3 (ROOF CORNER)	13.4	-73.2
ZONE 4 (WALL)	26.1	-29.0
ZONE 5 (WALL CORNER)	29.7	-36.3

CLADDING AND COMPONENTS WIND ALLOWABLE PRESSURES (FIGURE 30.5-1, ASCE 7-10)		
ZONE 1 (ROOF)	6.7	-19.2
ZONE 2 (ROOF EDGE)	6.7	-22.8
ZONE 3 (ROOF CORNER)	8.0	-43.9
ZONE 4 (WALL)	15.6	-17.4
ZONE 5 (WALL CORNER)	17.8	-21.8

C. FOUNDATION

1. FOUNDATIONS ARE DESIGNED TO BEAR ON NATURAL GRADE OR INORGANIC POROUS FILL, WELL COMPACTED OF AN ALLOWABLE BEARING CAPACITY, INDICATED ON THE FOUNDATION PLAN.
2. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO PERFORM A SOIL BEARING ANALYSIS AND TO GENERATE A GEOTECHNICAL REPORT. WHICH SHOULD BE SUBMITTED TO ENGINEER FOR REVIEW. SOILS SHALL BE COMPACTED TO ACHIEVE A MINIMUM OF 95% MODIFIED PROCTOR (ASTM D1557) MAXIMUM DRY DENSITY. THE MINIMUM ALLOWABLE BEARING CAPACITY OF COMPACTED SOILS SHALL BE 2000 PSF.
3. SAID SOIL CAPACITY SHALL BE TESTED AND CERTIFIED BY A REGISTERED FOUNDATION ENGINEER PRIOR TO PLACING OF ALL CONCRETE.
4. BOTTOM OF FOOTING ELEVATION TO BE DETERMINED BY THE SOIL CONDITIONS AND FROST-LINE DEPTH.
5. ALL LONGITUDINAL REBARS IN THE WALL FOOTINGS, SHALL BE CONTINUOUS AND SPLICED AS SPECIFIED. CONTINUE ALL HORIZONTAL REBARS AT BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.

D. REINFORCED CONCRETE

1. MATERIALS:
   - A. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301-(LATEST EDITION) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
   - B. STRUCTURAL CONCRETE:

CLASS	LOCATION	F'c
I.	FOOTINGS, CAISSONS, & GRADE BEAMS	4,000
II.	INTERIOR SLABS ON GRADE, AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4,000
III.	PIERS PLACED INTEGRALLY WITH WALLS, EXTERIOR SLABS ON GRADE, AND ALL EXTERIOR CONCRETE (WITH AIR) NOT OTHERWISE IDENTIFIED	4,000
IV.	BACKFILL BELOW FOOTINGS AND GRADE BEAMS	2,000

   - C. ALL REINFORCING BARS SHALL BE DEFORMED AND CONFORM TO ASTM A615 GR.60.
   - D. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A1064 (LATEST EDITION). USE SHEET FORM, NOT ROLLED.
2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.
3. CONTINGENCIES:
   - A. PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT AND CONCRETE COVER OVER THE REINFORCING.
4. FOOTINGS:
   - A. VERTICAL DOWELS IN FOOTINGS TO MATCH VERTICAL WALL REINFORCING.
   - B. PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS AND TRENCHES.
5. SPLICES: UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS TO BE AS FOLLOWS:
   - A. VERTICAL BARS IN WALLS, PIERS, OR COLUMNS (INCLUDING DOWELS) — 30 DIAMETER
   - B. HORIZONTAL BARS IN SLABS & FOOTING — 35 DIAMETER
   - C. HORIZONTAL BARS IN WALL — 45 DIAMETER
6. SAW-CUT & CONSTRUCTION JOINTS: PROVIDE JOINTS IN ALL SLABS-ON-GRADE, AS INDICATED ON THE FOUNDATION PLAN.
7. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:
   - A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
   - B. CONCRETE EXPOSED TO EARTH OR WEATHER:
     - #5 BARS AND SMALLER: 1-1/2 INCHES
     - OTHERS: 2 INCHES
   - C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
     - BEAM AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS: 1-1/2 INCHES
     - SLABS, WALLS, JOISTS:
       - #11 BARS AND SMALLER: 1 INCH
       - OTHERS: 1-1/2 INCHES

E. STRUCTURAL STEEL

1. MATERIALS:
   - A. STRUCTURAL SHAPES: ASTM A36, ASTM A500 GR. B AND ASTM A572.
   - B. ANCHOR BOLTS: ASTM F1554 GR. 36 WITH A563 GR. A NUT ANDF436 WASHER.
   - C. FASTENERS: EXPANSION BOLTS: HILTI "KWIK BOLTS" OR APPROVED EQUAL.
   - D. WELDS: WELD ELECTRODES: SERIES E70.
2. SPECIFICATIONS: WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY: (ALL CODES – LATEST EDITION)
   - A. AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
   - B. AISC CODE OF STANDARD PRACTICE.
   - C. STRUCTURAL WELDING CODE, AWS D1.1- OF THE AMERICAN WELDING SOCIETY.
3. GALVANIZING: ALL SHELF ANGLES, LINTELS IN EXTERIOR WALLS, ANCHOR HARDWARE, AND ALL EXTERIOR STEEL EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED ACCORDING TO ASTM A123.
4. MISCELLANEOUS:
   - A. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL.
   - B. STEEL SUPPORTING OR CONNECTED TO HVAC AND OTHER EQUIPMENT AND ROOF OPENINGS AS SHOWN ON THE DRAWINGS IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL RECONCILE EXACT SIZE AND LOCATION BEFORE PROCEEDING WITH HIS WORK.
   - C. GROUT UNDER BEARING PLATES, BASE PLATES, AND SETTING PLATES TO BE NON-SHRINKING TYPE.
   - D. STEEL BELOW GRADE TO BE PROTECTED BY A MIN. OF 3 INCHES OF CONCRETE.
   - E. PROVIDE HEAVY WASHER AT ALL ANCHOR BOLTS.
   - F. EMBEDMENT LENGTH OF EXPANSION BOLTS INTO SOLID MASONRY OR CONCRETE SHALL BE AS FOLLOWS:
     - 1/2 INCH DIAMETER BOLTS --- 3 1/2 INCHES EMBEDMENT
     - 3/4 INCH DIAMETER BOLTS --- 5 INCHES EMBEDMENT

F. MASONRY

1. MATERIALS:
   - A. CONCRETE BLOCK: ASTM C90 (HOLLOW) ASTM C145 (SOLID).
   - B. MORTAR: ASTM C270 TYPE "S", AVERAGE COMPRESSIVE STRENGTH: 1800 PSI MINIMUM (AT 28 DAYS).
   - C. GROUT: FINE AND CORE FILL: ASTM C476, COARSE TYPE.
   - D. JOINT REINFORCING: MILL GALVANIZED FINISH, 9 GAGE MINIMUM SIDE WIRES AND CROSS WIRES (LADDER OR TRUSS TYPE).
   - E. BAR REINFORCING: ASTM A615, GRADE 60.
2. REINFORCED MASONRY, WHERE VERTICAL BARS ARE TO BE GROUTED INTO CORES, THE FOLLOWING REQUIREMENTS APPLY:
   - A. PROVIDE DOWELS FROM FOOTING, SAME SIZE AND SPACING AS WALL BARS. LAP 12 INCHES MINIMUM WITH WALL BAR. EMBED INTO FOOTING 9 INCHES.
   - B. PROVIDE A CONTINUOUS VERTICAL CAVITY, AT LEAST 2"x3" IN SIZE,FREE OF MORTAR DROPPINGS.
   - C. AT SPLICES IN VERTICAL BARS, PROVIDE MECHANICAL COUPLERS OR 48 DIAMETER LAP.
   - D. ALL REINFORCEMENT MUST BE INSTALLED AND SECURELY ANCHORED IN PLACE PRIOR TO PLACEMENT OF GROUT.
   - E. MAX GROUT FILL HEIGHT 4'-0" (2 LIFTS TO TOP)
3. MISCELLANEOUS:
   - A. FILL CORE SOLID AROUND ANCHOR BOLTS.
   - B. PROVIDE 100% SOLID BLOCKS OR SOLIDLY FILLED HOLLOW BLOCKS AT ALL EXPANSION BOLT LOCATIONS.
   - C. HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED IN ALL COURSES IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
   - E. PROVIDE JOINT REINFORCING AT 16 INCHES, EXCEPT AS NOTED.
   - F. LAP JOINT REINFORCING 6 INCHES FOR STANDARD, 15 INCHES FOR HEAVY WEIGHT.
   - G. WHERE MASONRY UNITS ARE USED ABOVE HOLLOW UNITS OF A DIFFERENT THICKNESS, PROVIDE A CONTINUOUS COURSE OF 100% SOLID MASONRY (OR SOLID GROUTED BLOCK) AT LEAST 8 INCHES HIGH BELOW TRANSITION.

G. STRUCTURAL LUMBER

1. A. STUDS: STRUCTURAL LUMBER: DOUGLAS FIR-LARCH #2, OR APPROVED EQUAL:

SIZE	Fb	Ft	Fv	Fc_+	Fc	E
2x4	1,500	825	180	565	1,650	1,600,000
2x6	1,250	725	180	565	1,600	1,600,000
2x8	1,200	650	180	565	1,550	1,600,000
2x10	1,050	600	180	565	1,500	1,600,000
2x12	975	550	180	565	1,450	1,600,000
LVL's	2,650	--	285	750	2,350	1,900,000

   B. WALL: ORIENTED STRAND BOARD: STRUCTURAL 1, EXPOSURE I, EXTERIOR GLUE. FOR WALL PANEL IDENTIFICATION INDEX – 15/32 OR 1/2 INCH AT 32/16
   C. WALL: PLYWOOD: C-C PLUGGED, STRUCTURAL 1, EXPOSURE 1. EXTERIOR GLUE. FOR WALL PANEL IDENTIFICATION INDEX – 15/32 OR 1/2 INCH AT 32/16
   D. ROOF: ORIENTED STRAND BOARD: STRUCTURAL 1, EXPOSURE I, EXTERIOR GLUE. FOR WALL PANEL IDENTIFICATION INDEX 40/20 – 19/32 OR 5/8 INCH
   E. WALL: PLYWOOD: C-C PLUGGED, STRUCTURAL 1, EXPOSURE 1. EXTERIOR GLUE. FOR WALL PANEL IDENTIFICATION INDEX 40/20 – 19/32 OR 5/8 INCH
   F. SILL PLATES: NO. 2 SPRUCE-PINE-FIR, OR EQUAL FC=675 PSI, FV=70 PSI, E= 1,200,000 PSI
2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST REVISIONS OF:
   A. NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS.
   B. U.S. PRODUCT STANDARD PS-1 FOR SOFTWOOD PLYWOOD – CONSTRUCTION AND INDUSTRIAL.
3. CONNECTIONS:
   A. JOISTS TO BEAMS – 16 GA. GALVANIZED STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE.
   B. PLYWOOD TO ROOF TRUSSES OR RAFTERS – NAILED – SEE DETAIL 9/S203 ROOF DIAPHRAGM FOR NAILING PATTERN DETAIL.
   C. AT NON SHEAR WALLS PROVIDE #8 SELF TAPPING SCREWS AT 6" AT EDGES 12" O.C. AT INTERMEDIATE SUPPORTS (SEE S201 SCHEDULE FOR SHEAR WALL REQUIREMENTS)
4. ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4) SIDES (S-4-S) A AND MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
5. ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TREATED WITH AN E.P.A. ACCEPTABLE WOOD PRESERVATIVE (SUCH AS "AQC" – ALKALINE-COPPER-QUATERNARY OR "CBA-A" COPPER AZOLE TYPE A & B).
6. ALL WOOD CONNECTORS SHALL BE GALVANIZED STEEL OR RUST-PROOF PAINTED STEEL (U.O.N.). ALL GALVANIZED METAL CONNECTORS IN CONTACT WITH TREATED WOOD (ITEM #5) SHALL BE "TRIPLE-ZINK G-185" GALVANIZED. ANY FIELD WELDS (INTERIOR OR EXTERIOR) OF SUCH CONNECTORS SHALL BE WIRE BRUSH CLEANED AND RUST PROOF PAINTED.
7. MISCELLANEOUS:
   A. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O/C MAX. FOR ALL JOISTS AND RAFTERS, USE SOLID BLOCKING AT JOIST AND RAFTER BEARING.
   B. USE SOLID BLOCKING AT MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR BEARING PARTITIONS.
   C. USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNLESS SHOWN OTHERWISE.
   D. ALL MANUFACTURED CONNECTORS (SIMPSON) ARE TO BE SECURED PER MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE LISTED RATINGS/CAPACITIES.

H. COLD: FORMED STEEL (STRUCTURAL STUDS)

1. SPECIFICATIONS: COMPLY WITH AISI's "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" FOR CALCULATING STRUCTURAL CHARACTERISTICS OF COLD FORMED METAL FRAMING.
2. MATERIALS:
   A. STEEL SHEET: ASTM A1003, STRUCTURAL STEEL, ZINC COATED, OF GRADE AND COATINGS AS FOLLOWS:
      1. GRADE: STRUCTURAL GRADE 50 TYPE H (MIN)
      2. COATING: G60(MIN)
3. WALL FRAMING:
   A. STEEL STUDS: MANUFACTURER'S STANDARD C-SHAPED STEEL STUDS, WEB DEPTHS INDICATED, PUNCHED, WITH STIFFENED FLANGES, COMPLYING WITH ASTM C 955, AND AS FOLLOWS:
      1. MINIMUM UNCOATED-STEEL THICKNESS: 0.0428 INCHES UNLESS OTHERWISE INDICATED ON THE DRAWINGS
      2. 600S200-54 (16 GA.) (EXT. WALL FRAMING) UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
   B. STEEL TRACK: MANUFACTURER'S STANDARD U-SHAPED STEEL TRACK, OF WEB DEPTHS INDICATED, UNPUNCHED, WITH STRAIGHT FLANGES, COMPLYING WITH ASTM C 955, AND AS FOLLOWS:
      1. MINIMUM UNCOATED-STEEL THICKNESS: MATCHING STEEL STUDS
      2. FLANGE WIDTH: 2 INCHES.
7. ANCHORS, CLIPS, AND FASTENERS
   A. STEEL SHAPES AND CLIPS: ASTM A 36/OR A1003 GR.33, ZINC COATED BY HOT-DIP PROCESS ACCORDING TO ASTM A 123.
   B. EXPANSION ANCHORS: FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 5 TIMES DESIGN LOAD, AS DETERMINED BY TESTING PER ASTM E 488 CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AGENCY
   C. POWER-ACTUATED ANCHORS: FASTENER SYSTEM OF TYPE SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 10 TIMES DESIGN LOAD, AS DETERMINED BY TESTING PER ASTM E 1190 CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AGENCY.
   D. MECHANICAL FASTENERS: CORROSION-RESISTANT-COATED, SELF-DRILLING, SELF-THREADING STEEL DRILL SCREWS:
      1. HEAD TYPE: LOW PROFILE HEAD BENEATH SHEATHING, MANUFACTURER'S STANDARD ELSEWHERE.
      2. #8 MIN., UNLESS NOTED OTHERWISE, LENGTH PER MFG. RECOMMENDATIONS.
   E. WELDING ELECTRODES: COMPLY WITH AWS STANDARDS, AWS D1.1 AND AWS D1.3.
   F. METAL SCREWS: SHALL CONFORM TO ASTM C1513.

I. MISCELLANEOUS MATERIALS:

A. GALVANIZING REPAIR PAINT: ASTM A 780
B. CEMENT GROUT: PORTLAND CEMENT, ASTM C 150, TYPE 1; AND CLEAN, NATURAL SAND, ASTM C 404. MIX AT RATIO OF 1 PART CEMENT TO 2-1/2 PARTS SAND, BY VOLUME, WITH MINIMUM WATER REQUIRED FOR PLACEMENT AND HYDRATION.
C. THERMAL INSULATION: ASTM C 665, TYPE 1, UNFACED MINERAL-FIBER BLANKETS PRODUCED BY COMBINING GLASS OR SLAG FIBERS WITH THERMOSETTING RESINS.
D. ALL MANUFACTURED CONNECTORS (SIMPSON) ARE TO BE SECURED PER MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE LISTED RATINGS/CAPACITIES.

J. PREFABRICATED WOOD TRUSSES

1. MATERIALS:
   - A. LUMBER: SEE "STRUCTURAL LUMBER" SECTION FOR WOOD INFORMATION.
   - B. METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL ASTM A446 (LATEST EDITION) GRADE "A". COATING CLASS G60 PER ASTM A525 (LATEST EDITION). MANUFACTURED WITH HOLES, PLUGS, TEETH, OR PRONGS UNIFORMLY SPACED AND FORMED. SEE "STRUCTURAL LUMBER" SECTION FOR GALVANIZED CONNECTIONS FOR TREATED WOOD.
2. DESIGN CRITERIA:
   - A. LOADING:
     - TOP CHORD LIVE LOAD: 20 PSF
     - TOP CHORD DEAD LOAD: 20 PSF + MECH EQUIP.
     - BOTTOM CHORD DEAD LOAD: 10 PSF
   - B. DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF THIS PROJECT, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE TRUSS MANUFACTURER.
   - C. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN. IN ADDITION, SIGNED AND SEALED DESIGN CALCULATIONS FOR THESE TRUSSES SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW.
   - D. MEMBER SIZES SHOWN ARE MINIMUM SIZES.
   - E. MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360.
   - F. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.
   - G. TRUSS SPACING TO BE 2'0" O.C. MAX OR AS NOTED ON FRAMING PLAN, TO ACCOMMODATE REQUIRED LOADS AND SPANS.
3. MISCELLANEOUS:
   - A. BOLT TOP CHORDS OF ALL MULTIPLE MEMBER TRUSSES TOGETHER WITH 1/2"ø BOLTS AT 4'-0" O.C.. BOLT WEB MEMBERS TOGETHER WITH 1/2"ø BOLTS AT 2'-0" O.C. AT CONCENTRATED LOADS, UNLESS OTHERWISE SPECIFIED BY THE TRUSS DESIGN ENGINEER.
   - B. VERIFY ALL DIMENSIONS, ELEVATIONS AND SLOPES PRIOR TO MANUFACTURING. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.
   - C. WOOD TRUSSES SHALL BE DESIGNED AND FABRICATED TO CONFORM TO THE GEOMETRY SHOWN ON THE DRAWINGS. WEB CONFIGURATIONS ARE TO BE DETAILED AS REQUIRED BY THE DESIGNER/FABRICATOR.
   - D. PROVIDE 2x4 BOTTOM CHORD BRIDGING AT A MAXIMUM SPACING OF 10'-0" O.C. OR AS NOTED ON TRUSS SHOP DRAWINGS.
   - E. PROVIDE STABILIZERS AND CROSS BRACING AS REQUIRED DURING ERECTOR AS RECOMMENDED BY TRUSS MANUFACTURER.

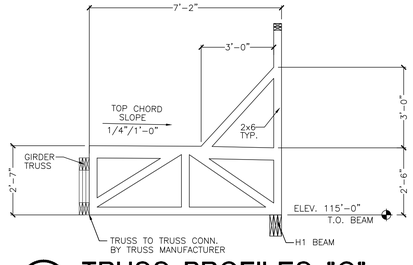
K. ABBREVIATIONS:

T = TOP	T.O.W. = TOP OF WALL ELEVATIONS
B = BOTTOM	S.O.G. = SLAB ON GRADE
C.M.U. = CONCRETE MASONRY UNIT	W.W.F. = WELDED WIRE FABRIC
E.F. = EACH FACE	U.N.O. = UNLESS NOTED OTHERWISE
E.W. = EACH WAY	TYP = TYPICAL
E.E. = EACH END	T.B. = TRUSS BEARING ELEVATION
O.C. = ON CENTER	J.B. = JOIST BEARING ELEVATION
T.O.F. = TOP OF FOOTING ELEVATION	L.L.V. = LONG LEG VERTICAL
T.O.S. = TOP OF SLAB ELEVATION	L.L.H. = LONG LEG HORIZONTAL

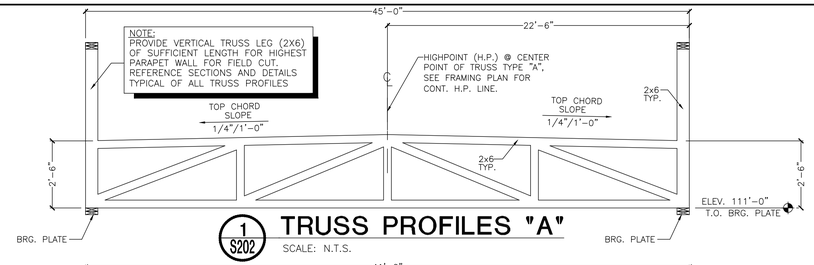
L. DEFERRED SUBMITTALS:

THE FOLLOWING SUBMITTALS ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL AFTER START OF CONSTRUCTION:

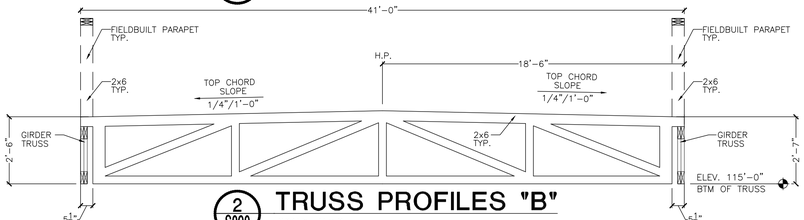
1. TRUSS SHOP DRAWINGS



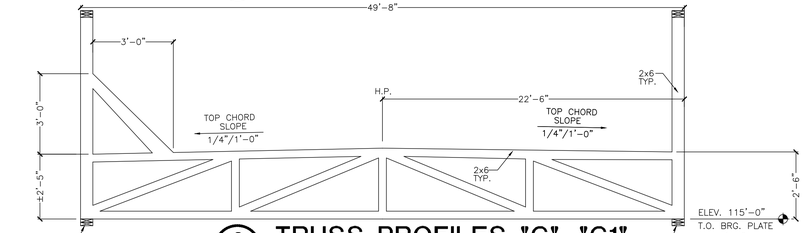
6 S202 **TRUSS PROFILES "G"**
SCALE: N.T.S.



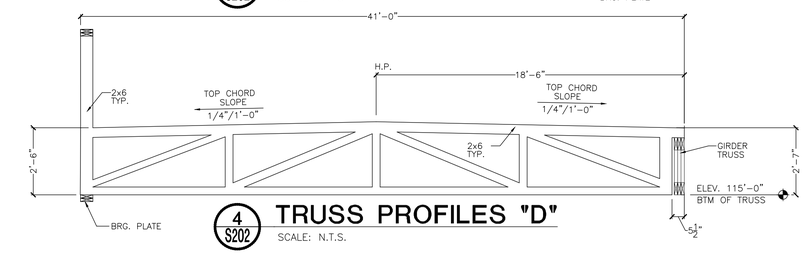
1 S202 **TRUSS PROFILES "A"**
SCALE: N.T.S.



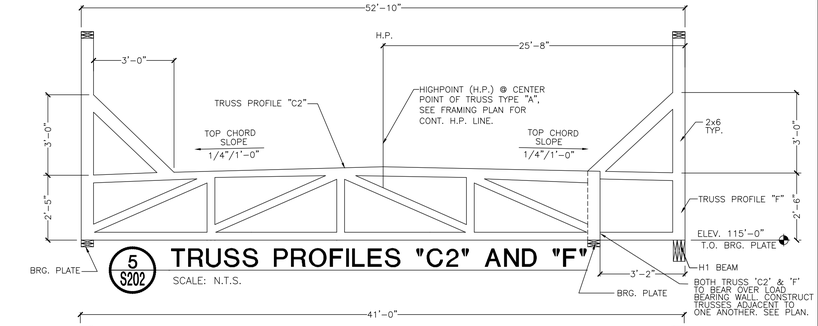
2 S202 **TRUSS PROFILES "B"**
SCALE: N.T.S.



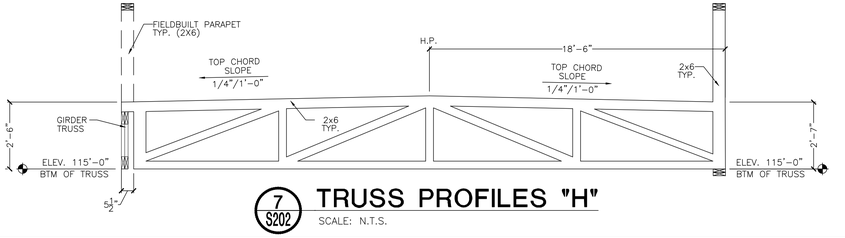
3 S202 **TRUSS PROFILES "C", "C1"**
SCALE: N.T.S.



4 S202 **TRUSS PROFILES "D"**
SCALE: N.T.S.



5 S202 **TRUSS PROFILES "C2" AND "F"**
SCALE: N.T.S.



7 S202 **TRUSS PROFILES "H"**
SCALE: N.T.S.

JONES PETRINSKI ARCHITECTURAL
For Wayne, IN p. 260.422.2522
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Elkhart, IN p. 574.293.7762
ENGINEERING CA32769

REV:	DESCRIPTION	BY	DATE

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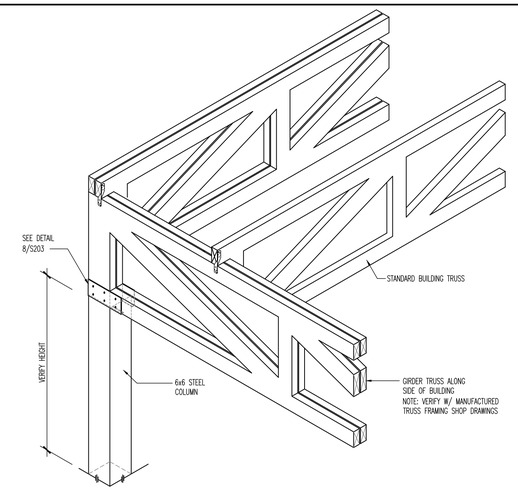
BURGER KING - #
13721 U.S. HIGHWAY 441 SOUTH
LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

STRUCTURAL DETAILS

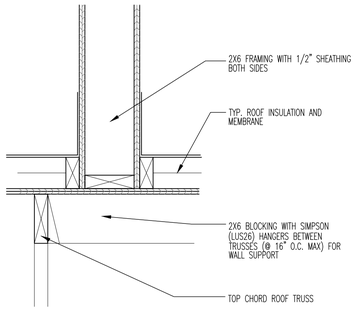
DESIGNED BY:
REVIEWED BY: SJV, JLM
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

S202



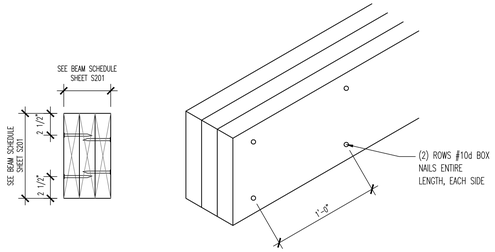
1 S203 FRONT CORNER ISOMETRIC

SCALE: NOT TO SCALE



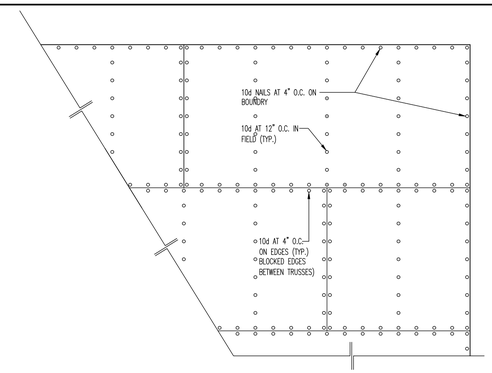
2 S203 ROOF PARAPET EXTENTION SUPPORT

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



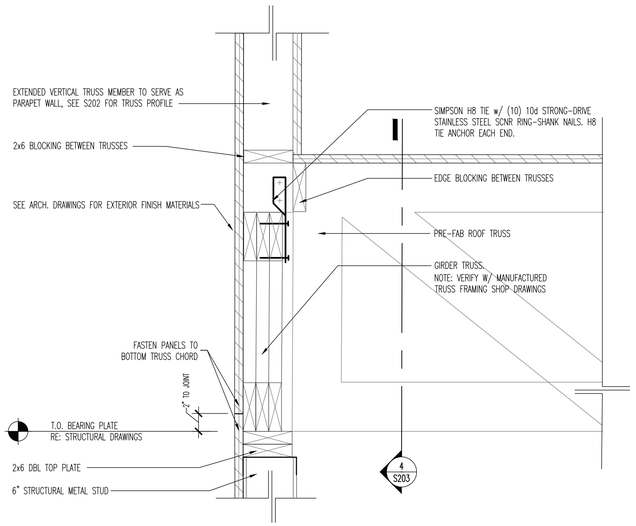
3 S203 LVL CONNECTION DETAIL

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



9 S203 ROOF DIAPHRAGM NAILING PATTERN

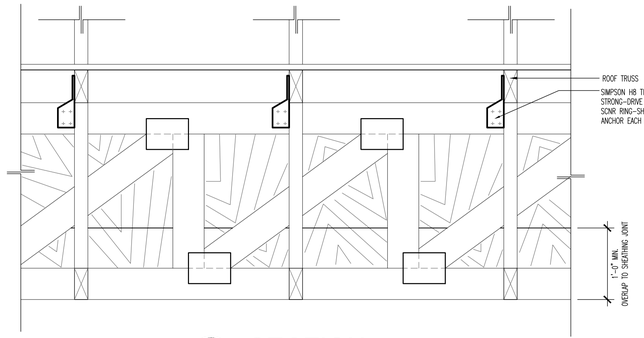
SCALE: NOT TO SCALE



SEE S201 AND S202 FOR TRUSS LOCATION AND PROFILE

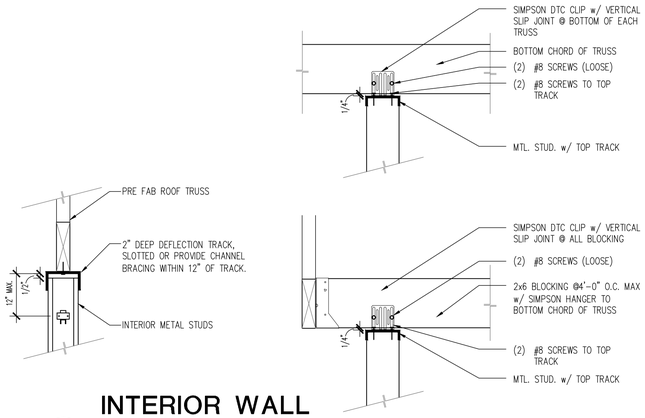
5 S203 SECTION

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



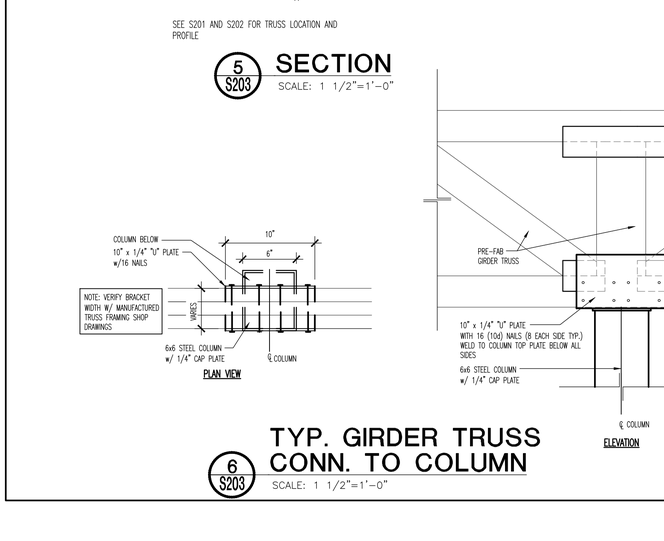
4 S203 SECTION

SCALE: 1"=1'-0"



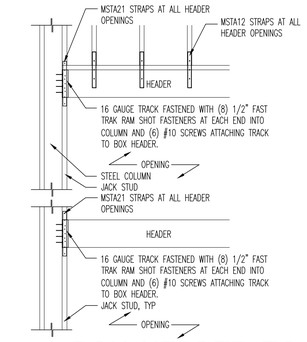
10 S203 INTERIOR WALL TO TRUSS DETAIL

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



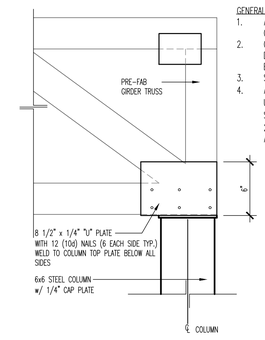
6 S203 TYP. GIRDER TRUSS CONN. TO COLUMN

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



7 S203 BOX HEADER TO COLUMN DETAIL

SCALE:N.T.S.

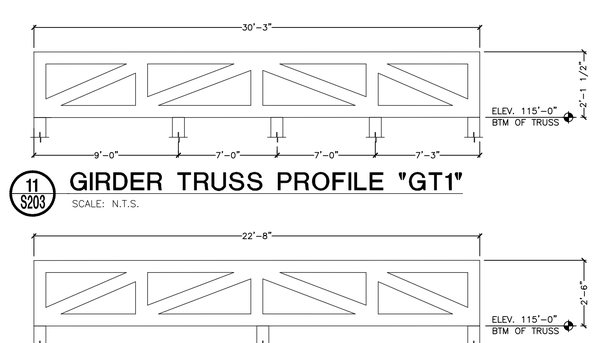


GENERAL FRAMING NOTES

1. ALL WORK PERFORMED SHALL CONFORM TO ALL LOCAL BUILDING CODES AND ORDINANCES.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE JOB SITE. IF NO DETAILS ARE SHOWN, SIMILAR DETAILS SHALL APPLY, AND ARCHITECT AND ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
3. SHOP DRAWINGS AND DETAILS TO BE APPROVED PRIOR TO INSTALLATION.
4. ALL SILL BOLTS SHALL BE 5/8" x 12" (w/ 8" MIN. EMBEDMENT) AT 6'-0" UNLESS NOTED OTHERWISE. (SEE SHEAR WALL SCHEDULE, S201) THERE SHALL BE ONE BOLT WITHIN 12" OF EACH END PIECE OF SILLS AND MIN. OF 2 ANCHOR BOLTS PER PLATE. RAMSET FASTENER @ 24" O.C. MAY BE USED AT NON-BEARING STUD PARTITIONS.

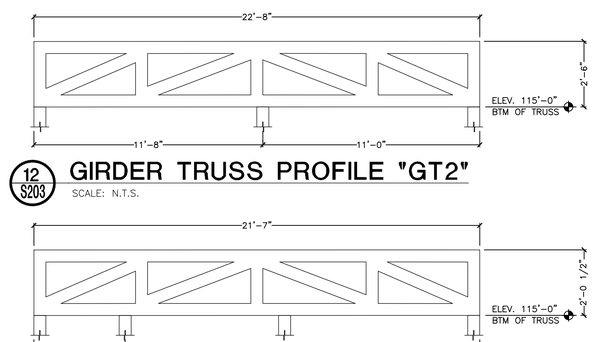
8 S203 GIRDER TRUSS END CONN. TO COLUMN

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



11 S203 GIRDER TRUSS PROFILE "GT1"

SCALE: N.T.S.



12 S203 GIRDER TRUSS PROFILE "GT2"

SCALE: N.T.S.

13 S203 GIRDER TRUSS PROFILE "GT3"

SCALE: N.T.S.

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ARCHITECTURAL- AA26001736
ENGINEERING: CA32769

REV:	DESCRIPTION	BY	DATE

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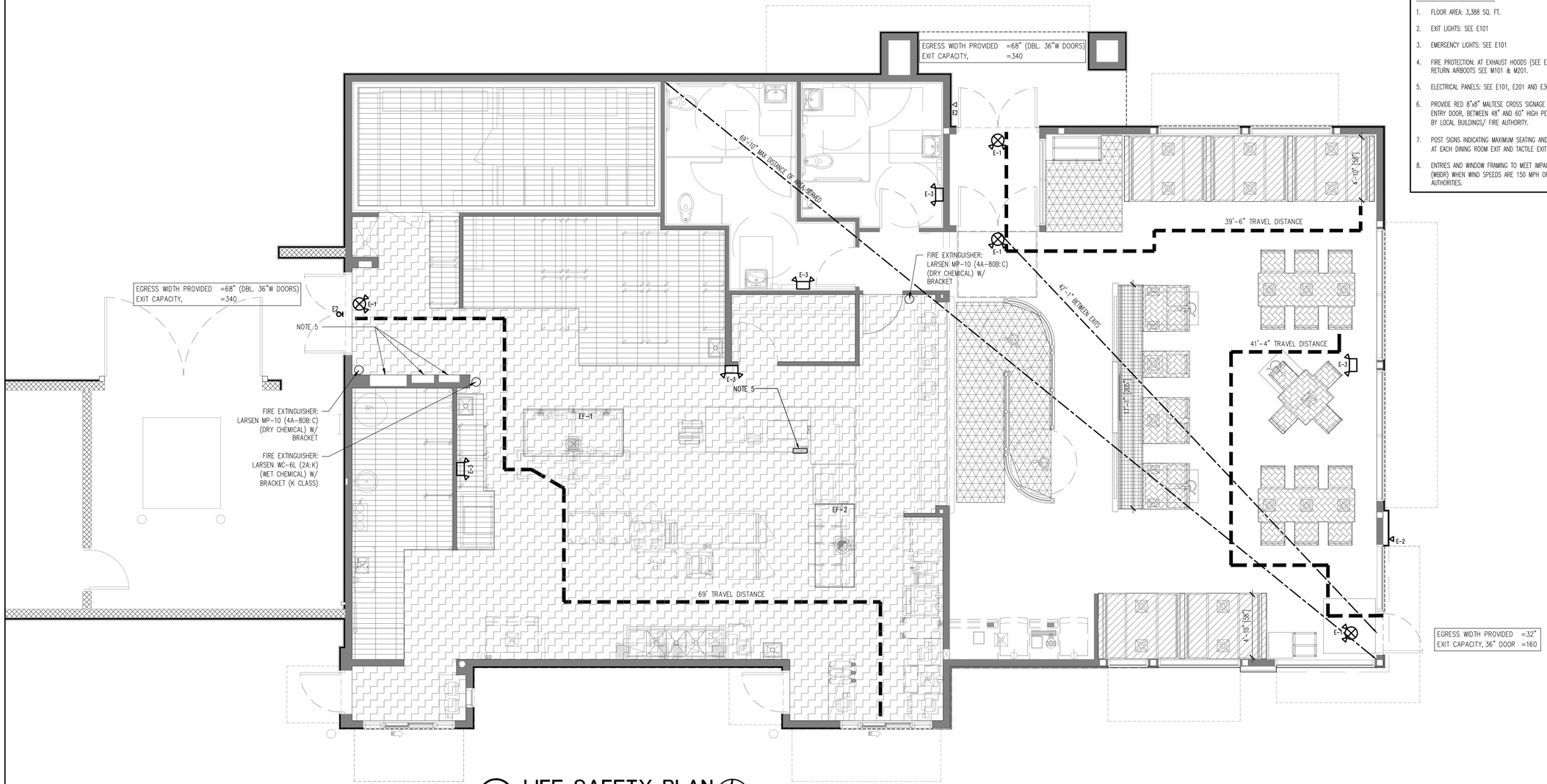
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LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE 100
TAMPA, FL 33619

STRUCTURAL DETAILS

DESIGNED BY:
REVIEWED BY: SJV, JLM
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

S203



1 A001 **LIFE SAFETY PLAN**
SCALE: 1/4"=1'-0"

GENERAL NOTES

1. FLOOR AREA: 3,388 SQ. FT.
2. EXIT LIGHTS: SEE E101
3. EMERGENCY LIGHTS: SEE E101
4. FIRE PROTECTION: AT EXHAUST HOODS (SEE EF1 & EF2 ON M101 AND E201) AT RTU'S RETURN AIRBOOTS SEE M101 & M201.
5. ELECTRICAL PANELS: SEE E101, E201 AND E301.
6. PROVIDE RED 8"x8" MALTESE CROSS SIGNAGE WITH THE LETTER 'R' FOR ROOF, WITHIN 24" OF ENTRY DOOR, BETWEEN 48" AND 60" HIGH PER FAC 69A-60.0081 LOCATIONS TO BE APPROVED BY LOCAL BUILDINGS/ FIRE AUTHORITY.
7. POST SIGNS INDICATING MAXIMUM SEATING AND OCCUPANT LOAD PER FBC 1004.3, 8" SQUARE AT EACH DINING ROOM EXIT AND TACTILE EXIT SIGNAGE READING "EXIT"
8. ENTRIES AND WINDOW FRAMING TO MEET IMPACT RESISTANCE FOR WINDBORNE DEBRIS REGIONS (WBDR) WHEN WIND SPEEDS ARE 150 MPH OR GREATER (SEE S202) OR REQUIRED BY LOCAL AUTHORITIES.

OCCUPANCY CALCULATIONS

PER 2020 FBC-BUILDING, 7TH EDITION

	LOCATION	AREA	LOAD FACTOR (TABLE 1004.1.2)	CALCULATED	ACTUAL
	LESS CONCENTRATED w/o FIXED SEATS but w/FIXED TABLES	138 S.F.	15 S.F. / PERSON	10	60
	WAITING AREAS	134 S.F.	7 S.F. / PERSON	20	19
	KITCHENS	1027 S.F.	200 S.F. / PERSON	6	6
	ACCESSORY STORAGE	478 S.F.	300 S.F. / PERSON	2	2
TOTAL OCCUPANT LOAD =				38	87
TOTAL OCCUPANT LOAD = ACTUAL SEATING AT 60 + REMAINING CALCULATED AT 27 FOR 87 OCCUPANTS					

EGRESS NOTES (PER 2020 FBC-BUILDING, 7TH EDITION)

1. COMMON PATH OF EGRESS - 75'-0" MAX.
2. EXIT ACCESS TRAVEL MAX - 200'-0" MAX. (W/O SPRINKLERING)
3. 0.2 INCH/ OCCUPANT (NON-SPRINKLERED) FOR 87 = 17.4 INCHES (REQUIRED FROM DINING & QUEUE - 79 OCCUPANTS = 15.8 INCHES)
4. MINIMUM TWO EXITS REQUIRED FOR GREATER THAN 49 OCCUPANTS (> 1/2 DIAGONAL DISTANCE BETWEEN EXITS)
5. SEE ID101, SHEET ID-2 FOR MIN AISLE WIDTHS

OCCUPANCY CALCULATIONS

PER NFPA 101 2018 EDITION

	LOCATION	AREA		LOAD FACTOR (TABLE 7.3.1.2)		CALCULATED	ACTUAL
	LESS CONCENTRATED w/o FIXED SEATS but w/FIXED TABLES	138	S.F.	# OF SEATS		23	23
	BENCH SEATING	205	L.I.	18	"/PERSON	12	7
	BOOTH SEATING	600	L.I.	18	"/PERSON	34	30
	WAITING SPACES (QUEUE)	134	S.F.	5	S.F./PERSON	27	19
	KITCHENS	1027	S.F.	100	S.F./PERSON	11	11
	ACCESSORY STORAGE	478	S.F.	500	S.F./PERSON	1	1
TOTAL OCCUPANT LOAD =						108	91
TOTAL OCCUPANT LOAD = CALCULATED OCCUPANT LOAD AT 108 OCCUPANTS, ACTUAL AT 91 OCCUPANTS							

EGRESS NOTES: (PER NFPA 101 2018 edition)

1. COMMON PATH OF EGRESS - 75'-0" MAX.
2. EXIT ACCESS TRAVEL MAX - 200'-0" MAX. (W/O SPRINKLERING)
3. 0.2 INCH/ OCCUPANT (NON-SPRINKLERED) FOR 108 = 17 INCHES (REQUIRED FROM DINING & QUEUE - 96 OCCUPANTS = 19.2 INCHES)
4. MINIMUM TWO EXITS REQUIRED FOR GREATER THAN 49 OCCUPANTS (> 1/2 DIAGONAL DISTANCE BETWEEN EXITS)
5. SEE ID101, SHEET ID-2 FOR MIN AISLE WIDTHS

SEATING CAPACITIES

QTY.	TABLE TYPE	CAPACITY
0	1 TOP TABLES =	0 PEOPLE
1	2 TOP TABLES =	2 PEOPLE
4	4 TOP TABLES =	16 PEOPLE
7	6 TOP TABLES =	42 PEOPLE
TOTAL DINING SEATING =		60 PEOPLE
ADA ACCESSIBLE SEATING		3 PEOPLE

LEGEND

SEE SHEET E101 FOR SPECS

SYMBOL	DESCRIPTION	REMARKS
E-1	EXIT SIGN	WALL MOUNTED
E-1	EXIT SIGN	CEILING MOUNTED (IF VEST. IS USED AND REQ'D BY CODE
E-3	EMERGENCY LIGHT FIXTURE, BATTERY BACK-UP	WALL MOUTNED
E-1	EXIT/EMERGENCY LIGHT FIXTURE COMBO	CEILING MOUNTED
E-2	REMOTE HEAD FOR EXIT EMERGENCY LIGHT	WALL MOUNTED

REV.	DESCRIPTION	BY	DATE

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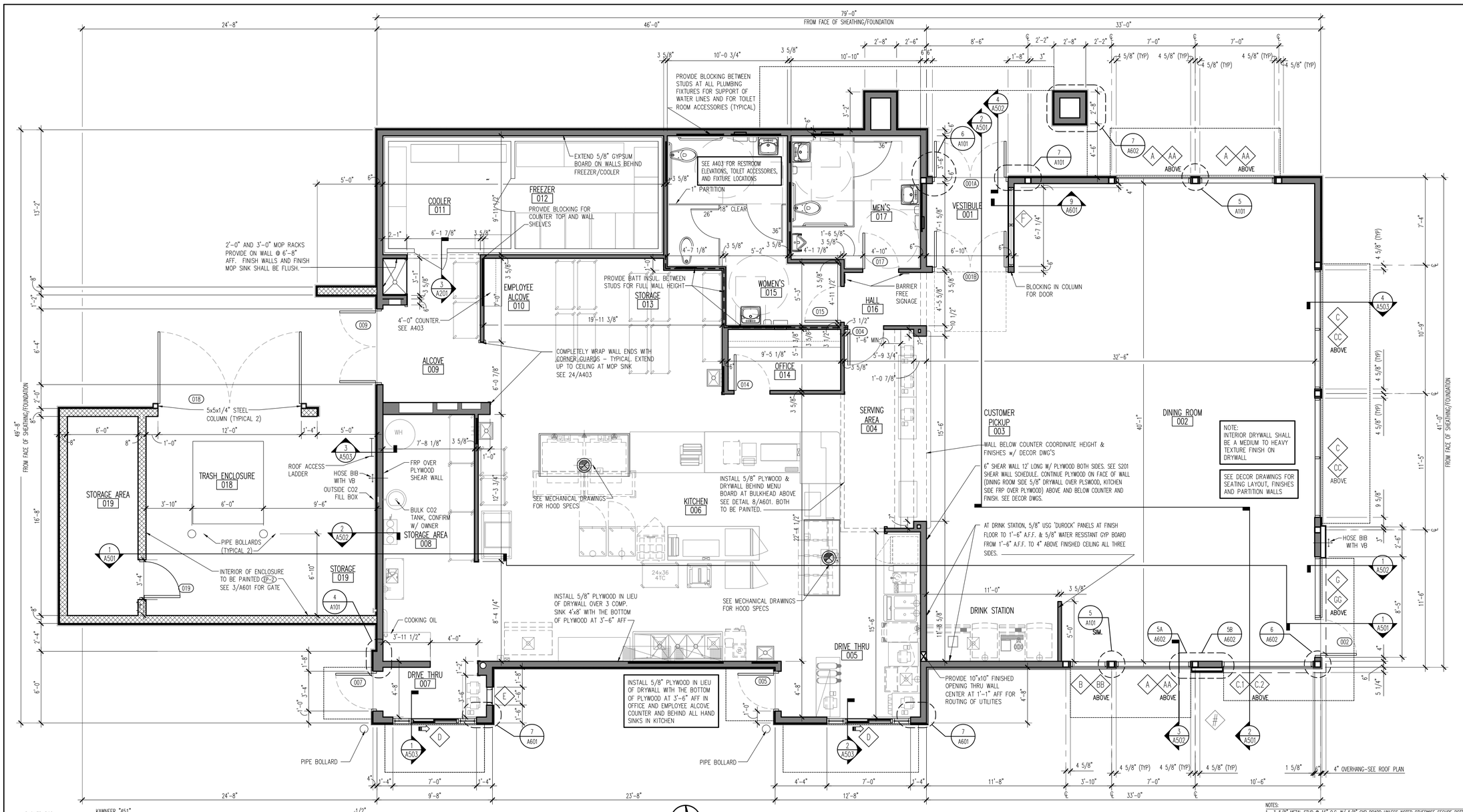
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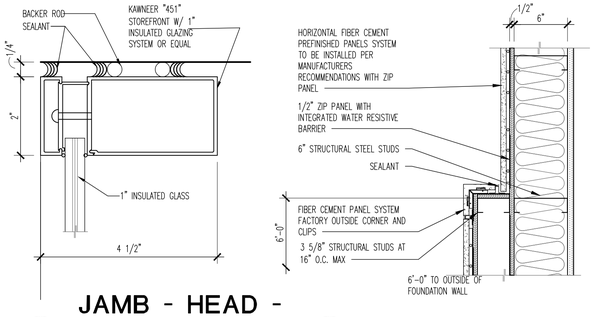
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3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

LIFE SAFETY PLAN

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY: KS, KNB
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

A001





JAMB - HEAD - SILL SIMILAR

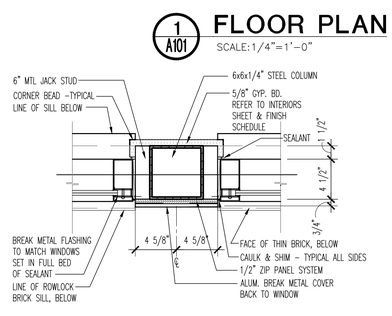
3 / A101

SCALE:NOT TO SCALE

PLAN DETAIL

4 / A101

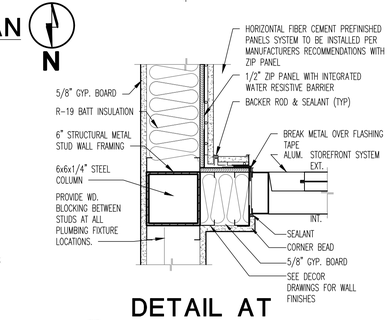
SCALE:1-1/2"=1'-0"



COL. AT WINDOW WALL

5 / A101

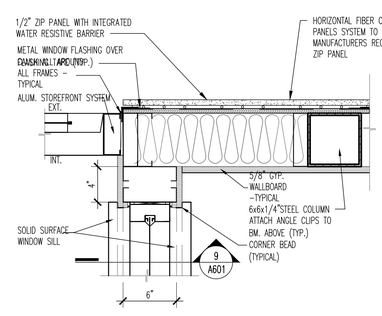
SCALE:1-1/2"=1'-0"



DETAIL AT MAIN ENTRY

6 / A101

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



DTL. AT VESTIBULE

7 / A101

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

NOTES:

1. 3-5/8" METAL STUD @ 16" O.C. W/ 5/8" GYP BOARD UNLESS NOTED OTHERWISE SECURE BOTTOM METAL TRACK TO CONCRETE SUB w/ RAWLET FASTENERS, TWO MIN. PER SECTION, 2'-0" O.C. MAX AND 12" MAX. FROM END OF PIECE. AT INTERIOR METAL STUDS. EXTEND GYP. BD. TO 4" ABOVE HIGHEST ADJACENT CEILING. PROVIDE 2x FIRE BLOCKING BETWEEN STUDS AT EACH CEILING HEIGHT.
2. 6" STRUCTURAL STUD @ 16" O.C. W/ 5/8" GYP BOARD TO STRUCTURE ABOVE- UNLESS OTHERWISE NOTED (EXTERIOR WALLS). SECURE BOTTOM METAL TRACK OF EXTERIOR 6" STRUCTURAL STEEL STUD WALL w/ 5/8" DIAMETER x 12"LONG BOLTS (W/ 8" MIN. EMBEDMENT) @ 6'-0" O.C. MAX. TWO BOLTS MIN. PER PIECE AND 12" MAX FROM END OF PIECE UNLESS NOTED OTHERWISE ON SHEAR WALL SCHEDULE ON SHEET S201.
3. ALL FINISH DIMENSIONS SHALL MEET ADA REQUIREMENTS.
4. SUBSTRATE PANELS:
   - 4.1. KITCHEN-CREW-RESTROOMS
     - 4.1.1. 5/8" USG 'DUROCK' PANELS AT FINISH FLOOR TO 1'-6" A.F.F.
     - 4.1.2. 5/8" "DUROCK" FROM 1'-6" A.F.F. TO 4" ABOVE FINISHED CEILING.
     - 4.1.3. PROVIDE ALTERNATE BID OF 5/8" USG 'FIBEROCK' PANELS IN LIEU OF DUROCK.
   - 4.2. DINING ROOM - CORRIDOR
     - 4.2.1. 5/8" USG 'DUROCK' PANELS AT FINISH FLOOR TO 1'-6" A.F.F.
     - 4.2.2. 5/8" TYPE USG 'SHEETROCK', 'X' GYPSUM WALL BOARD FROM 1'-6" A.F.F.
     - 4.2.3. SEE PLAN NOTES FOR EXCEPTIONS.
     - 4.2.4. FINISH: CORONADO PANT. LIGHT ORANGE PEEL APPLIED WITH CORONODA AIR ASSIST TIP (Z-122KO) OR EQUAL. (INTERIOR SURFACE)
   - 4.3. EXTERIOR WALLS: (INTERIOR SURFACE)
     - 4.1.1. 5/8" USG 'DUROCK' PANELS AT FINISH FLOOR TO 1'-6" A.F.F.
     - 4.1.2. 5/8" USG "SHEETROCK', BRAND GLASS-MAT PANELS-MOLD TOUGH, FIRECODE X OR EQUAL FROM 1'-6" A.F.F.
5. STAINLESS STL PANELS BELOW AND 18" WIDE AT EACH SIDE OF HOOD SUPPLIED BY HOOD MFG AND INSTALLED BY G.C.
6. CAN WASH - DUROCK SUBSTRATE ON ALL THREE SIDES, FLOOR TO CEILING.
7. SEE A403 FOR RESTROOM ELEVATIONS, TOILET ACCESSORIES & FIXTURE LAYOUTS.
8. EXTERIOR SHEATHING TO BE 1/2"TH ZIP PANELS WITH INTEGRATED WEATHER RESISTANT BARRIER.
9. ALL DIMENSIONS ARE TO FACE OF FRAMING, UNLESS OTHERWISE NOTED.
10. INSTALL 5/8" PLYWOOD IN LIEU OF DRYWALL WITH THE BOTTOM OF PLYWOOD AT 3'-6" A.F.F. IN OFFICE AND EMPLOYEE ALCOVE AND BEHIND ALL HAND SINKS IN KITCHEN.

REV:	DESCRIPTION	BY	DATE

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3108 U.S. HIGHWAY 301 NORTH, STE. 100 TAMPA, FL 33619

FLOOR PLAN

DESIGNED BY:

REVIEWED BY: SJV

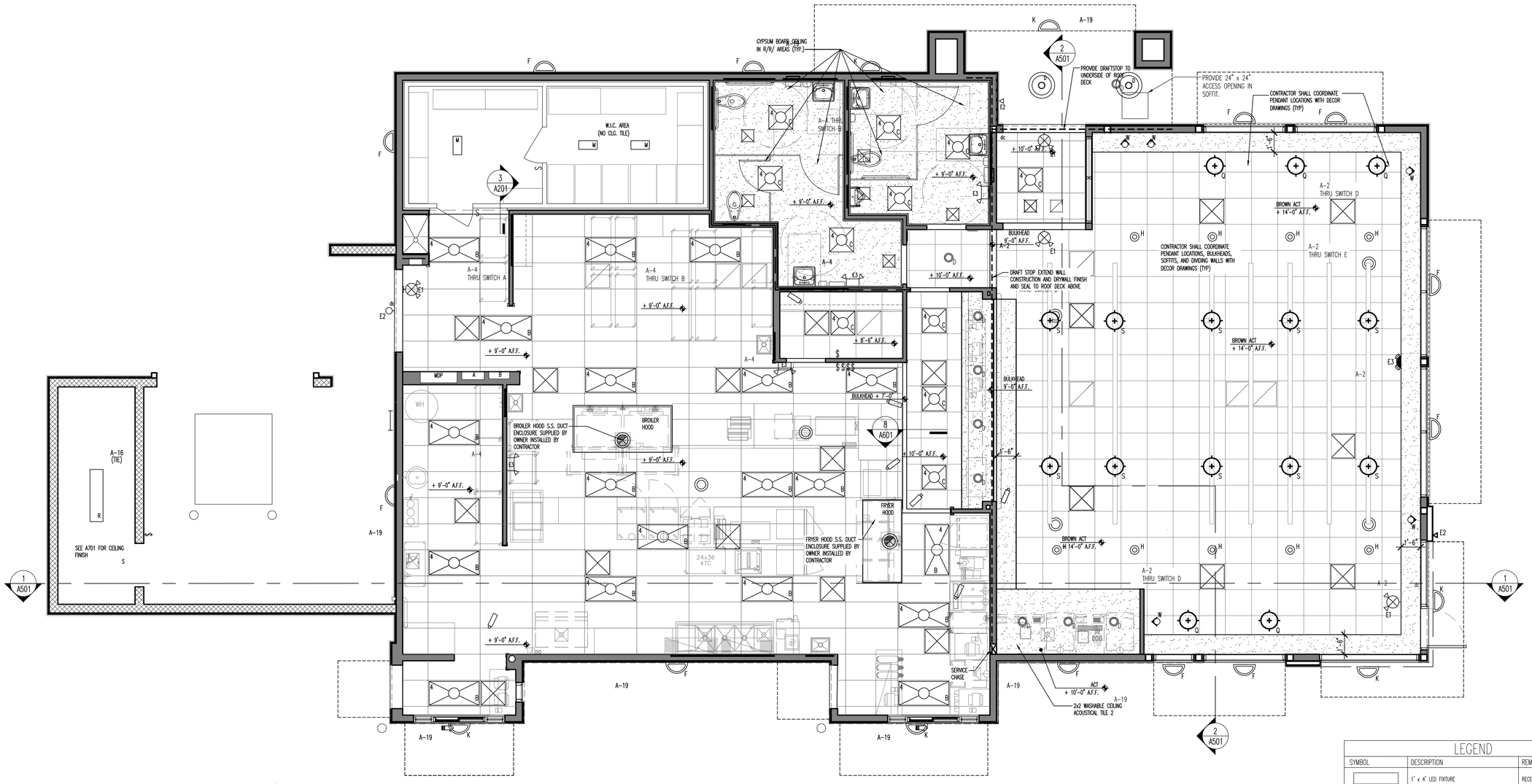
DRAWN BY: KS, KNB

DATE: JULY 8, 2021

JOB NUMBER: 2021-0194

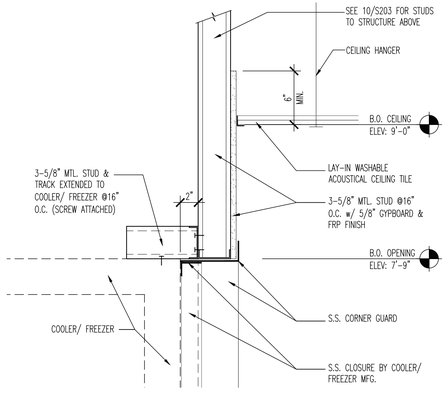
SCALE: AS NOTED

A101



1 A201 REFLECTED CEILING PLAN

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



3 A201 COOLER/ FREEZER DETAIL

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

BUILDING PLANS

A COPY OF AS-BUILT DRAWINGS TO BE PREPARED BY THE GENERAL CONTRACTOR BUILDING PLAN CONTAINER TO BE LOCATED IN THE CEILING ABOVE THE DRIVE-THRU DUCTTAPED TO TRUSSES. A COPY OF THE ORIGINALS SHALL BE RETURNED TO OWNER.

2 A201 BUILDING PLAN CONTAINER

SCALE: NOT TO SCALE

GENERAL NOTES:

1. GENERAL CONTRACTOR TO COORDINATE DINING ROOM LIGHTING WITH APPROVED INTERIOR DECOR PLANS.
2. CONTRACTOR SHALL VERIFY FIXTURE QUANTITIES AND ALSO MAKE PROPER ADJUSTMENTS FOR ANY CHANGES IN PLAN DUE TO ADDITIONAL REQUIREMENTS, LOCAL CODES, ETC.
3. SEE FINISH SCHEDULE, FINISH MATERIALS LIST AND DECOR DRAWINGS FOR MATERIALS, CEILING HEIGHTS, SPECIFICATIONS, AND ADDITIONAL INFORMATION.
4. SEE MECHANICAL DRAWINGS FOR INFORMATION REGARDING THE HVAC SYSTEM.
5. ALL FIXTURES SHALL BE LOCATED IN CENTER OF CEILING TILES UNLESS OTHERWISE NOTED.
6. SEE SHEET E101 FOR LIGHTING LAYOUT REQUIREMENTS AND ADDITIONAL INFORMATION.

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	1' x 4' LED FIXTURE	RECESSED (SEE SHT. E101 FOR SPECS.)
	2' x 2' LED FIXTURE	RECESSED (SEE SHT. E101 FOR SPECS.)
	2' x 4' LED FIXTURE	RECESSED (SEE SHT. E101 FOR SPECS.)
	2 x 4 ACOUSTICAL TILE	SEE ROOM FINISH SCHEDULE AND FINISH MATERIAL LIST FOR SPEC.
	EXIT SIGN/REMOTE HEAD	WALL MOUNTED
	EXIT SIGN	CEILING MOUNTED (IF VEST. IS USED AND REQUIRED BY CODE)
	RETURN AIR GRILLE	SEE SHEET M101 FOR SPECS.
	SUPPLY AIR GRILLE	SEE SHEET M101 FOR SPECS.
	EXHAUST AIR GRILLE	SEE SHEET M101 FOR SPECS.
	SECURITY CAMERA	
	EXIT W/EMERGENCY LIGHT FIXTURE, BATTERY BACK-UP	SEE SHEET E101 FOR SPECS.
E	EMERGENCY LIGHT FIXTURE, BATTERY BACK-UP	SEE SHEET E101 FOR SPECS.
	WALL MOUNTED LIGHT FIXTURE	SEE SHEET E101 FOR SPECS.
	LED DOWNLIGHT	SEE SHEET E101 FOR SPECS.
	SPEAKER	SEE SHEET E401

REV.	DESCRIPTION	BY	DATE

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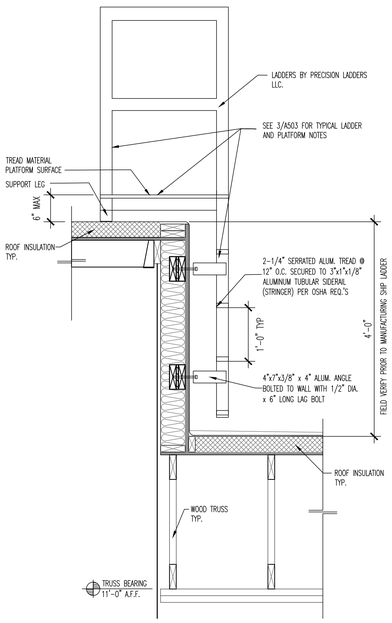
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REFLECTED CEILING PLAN

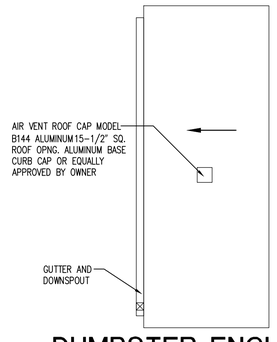
DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

A201



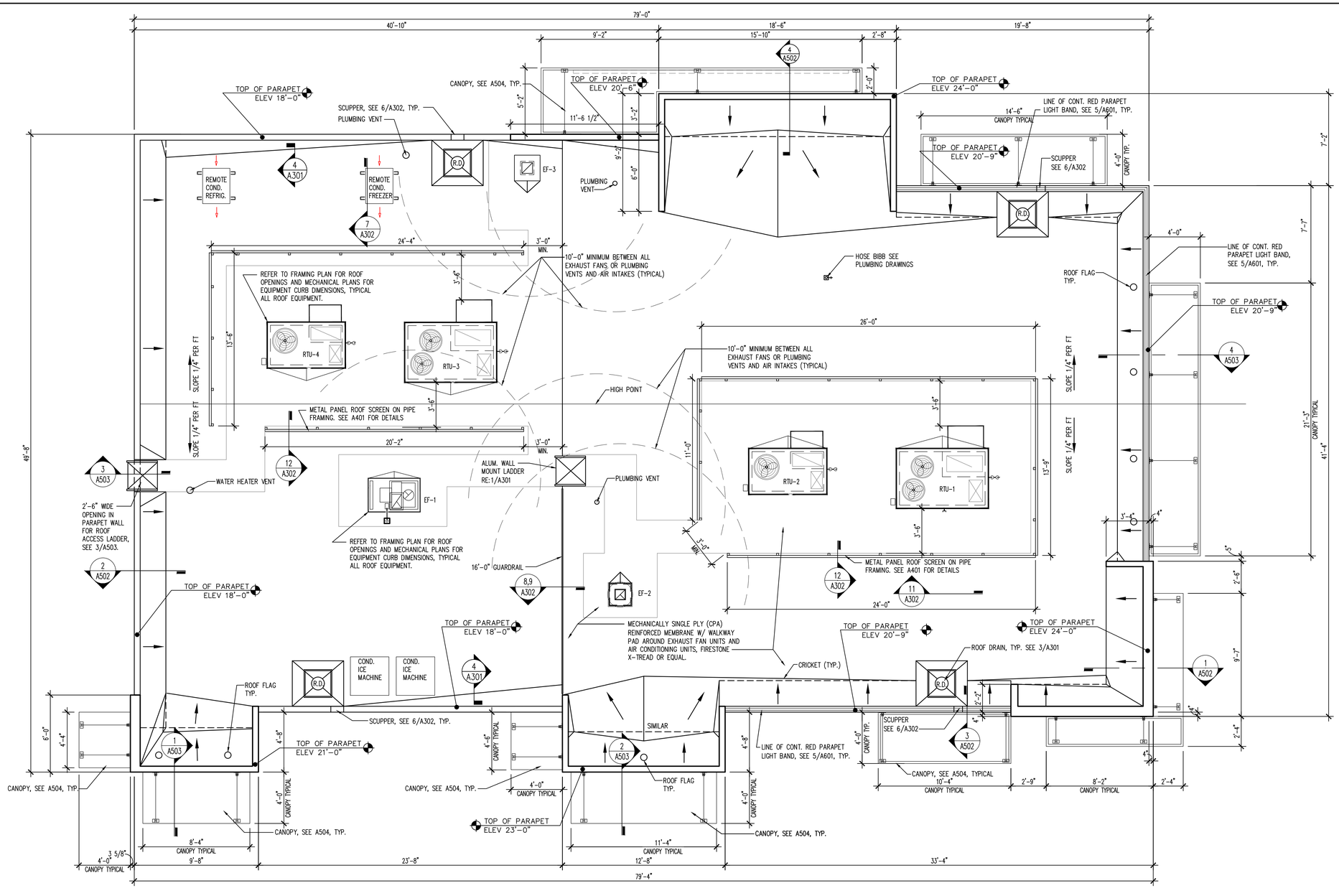
1/A301 ROOF ACCESS LADDER DETAIL

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



2/A301 DUMPSTER ENCLOSURE ROOF PLAN

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

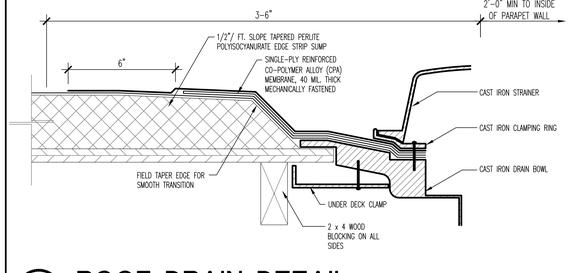


1/A301 ROOF PLAN

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

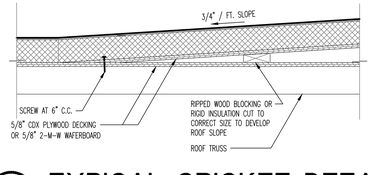
SPECIFIC ROOFING NOTES

1. SINGLE-PLY REINFORCED CO-POLYMER ALLOY (CPA) MEMBRANE, 40 MIL. THICK MECHANICALLY FASTENED OVER 4 1/2" POLYISOCYANURATE (TWO LAYERS TOTAL) INSULATION W/ R VALUE OF 25.6 – MECHANICALLY FASTENED ROOFING SYSTEM. WARRANTY SHALL BE FULL 15 YEAR, NON PRO-RATED TYPE, DURALAST OR EQUAL AS APPROVED BY THE OWNER.



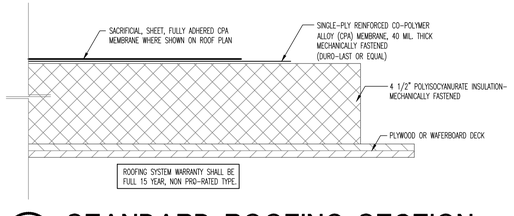
3/A301 ROOF DRAIN DETAIL

SCALE: 3"=1'-0"



4/A301 TYPICAL CRICKET DETAIL

SCALE: 1"=1'-0"



TYP/A301 STANDARD ROOFING SECTION

SCALE: 3"=1'-0"

REV.	DESCRIPTION	BY	DATE

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p: 574.293.7762
ENGINEERING CA3269
ARCHITECTURAL: AA26001736

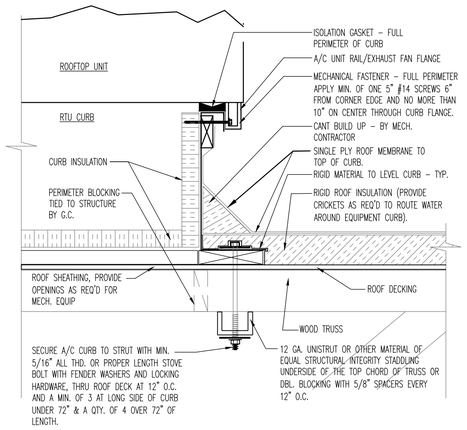
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3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

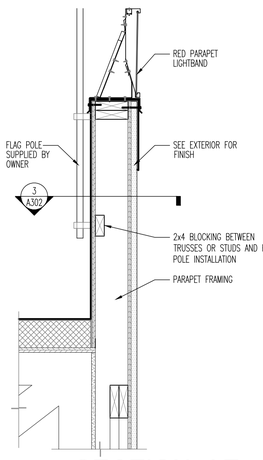
ROOF PLANS AND DETAILS

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY: KNB
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

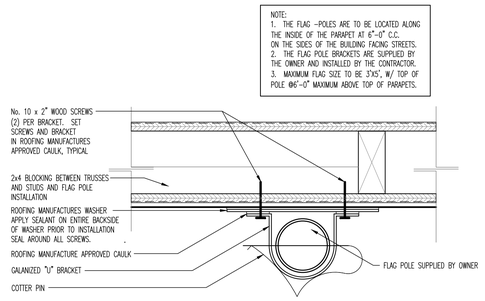
A301



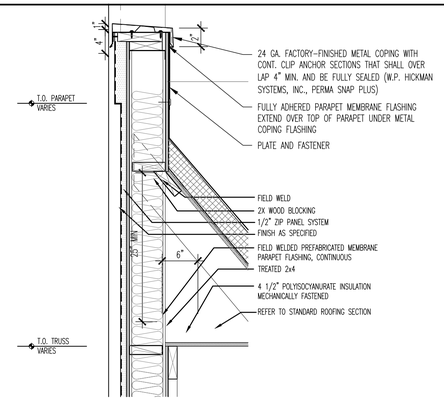
1 A302 **ROOF TOP EQUIPMENT CURB**
SCALE: 1 – 1/2"=1'–0"



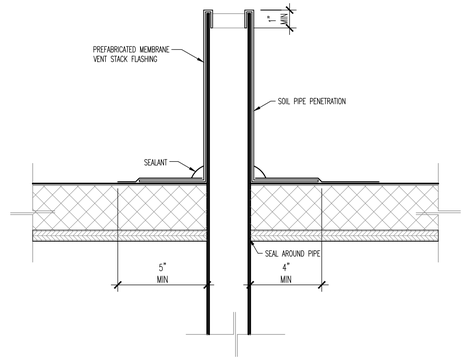
2 A302 **SECTION AT FLAG POLE**
SCALE: 1"=1'–0"



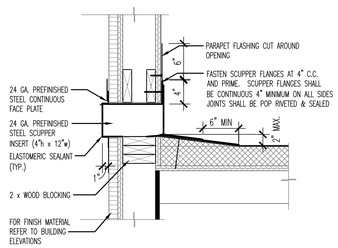
3 A302 **SECTION AT FLAG POLE**
SCALE:NOT TO SCALE



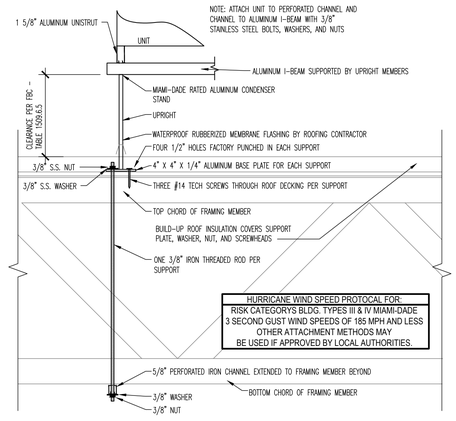
4 A302 **STANDARD BASE FLASHING CONFIGURATION**
SCALE: 1"=1'–0"



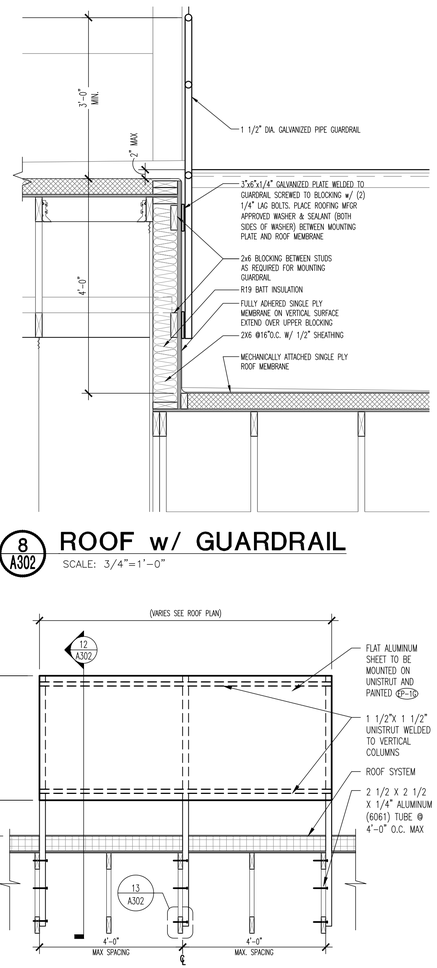
5 A302 **SOIL PIPE FLASHING**
SCALE: 3"=1'–0"



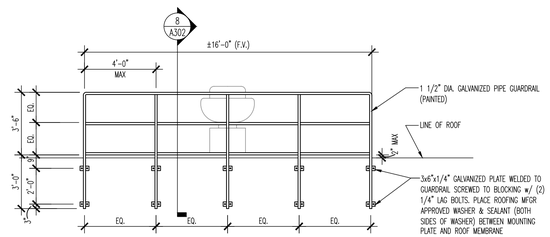
6 A302 **PARAPET SCUPPER DETAIL**
SCALE: 1"=1'–0"



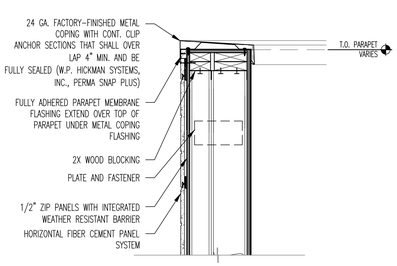
7 A302 **REFRIGERATION EQUIPMENT PIPE STAND**
SCALE:NOT TO SCALE



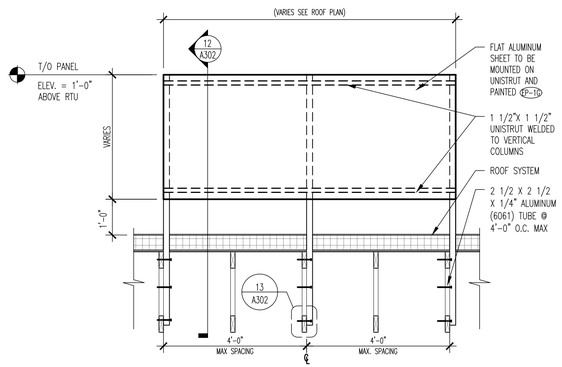
8 A302 **ROOF w/ GUARDRAIL**
SCALE: 3/4"=1'–0"



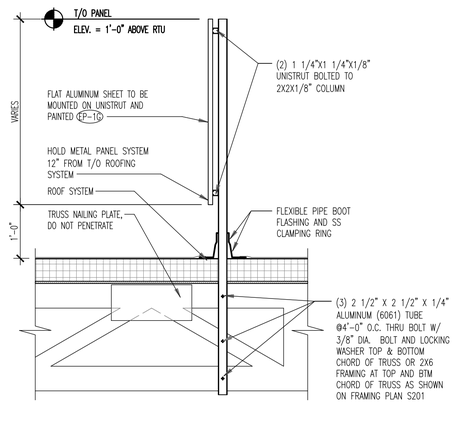
9 A302 **GUARDRAIL AT ROOF**
SCALE: 1/4"=1'–0"



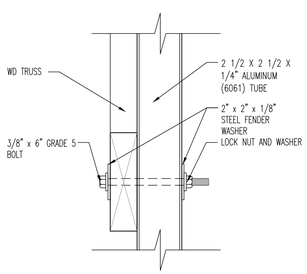
10 A302 **SECTION AT PARAPET COPING**
SCALE: 1"=1'–0"



11 A302 **SECTION AT ROOF SCREEN**
SCALE: 1/2"=1'–0"



12 A302 **SECTION AT ROOF SCREEN**
SCALE: 3/4"=1'–0"



13 A302 **DETAIL AT ROOF SCREEN**
SCALE: 3"=1'–0"

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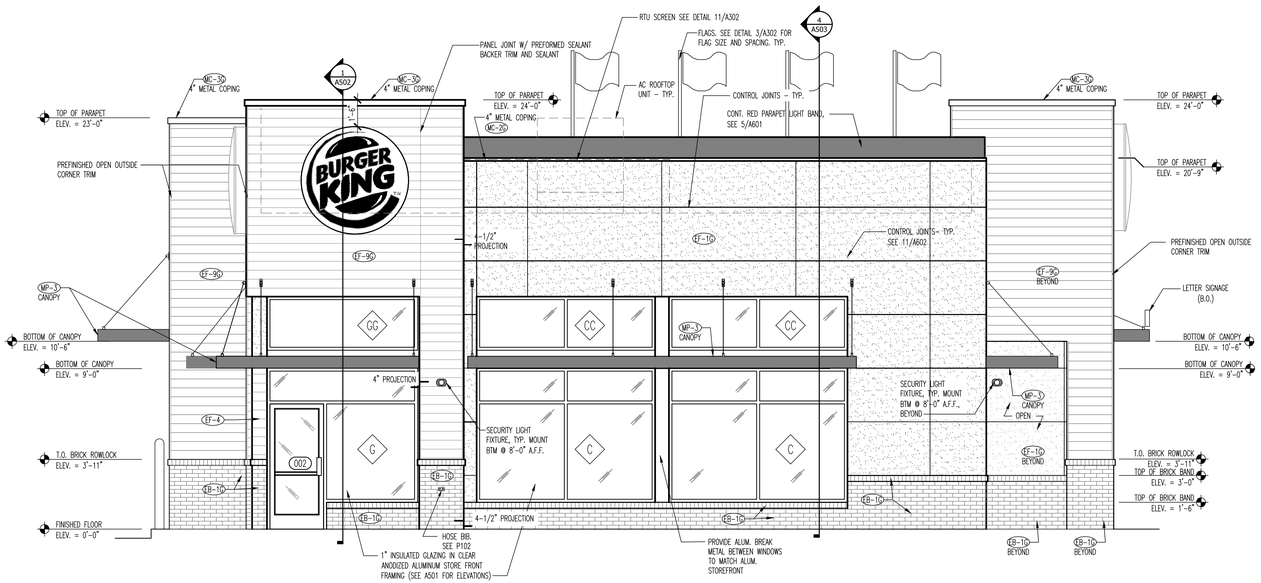
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ROOF DETAILS

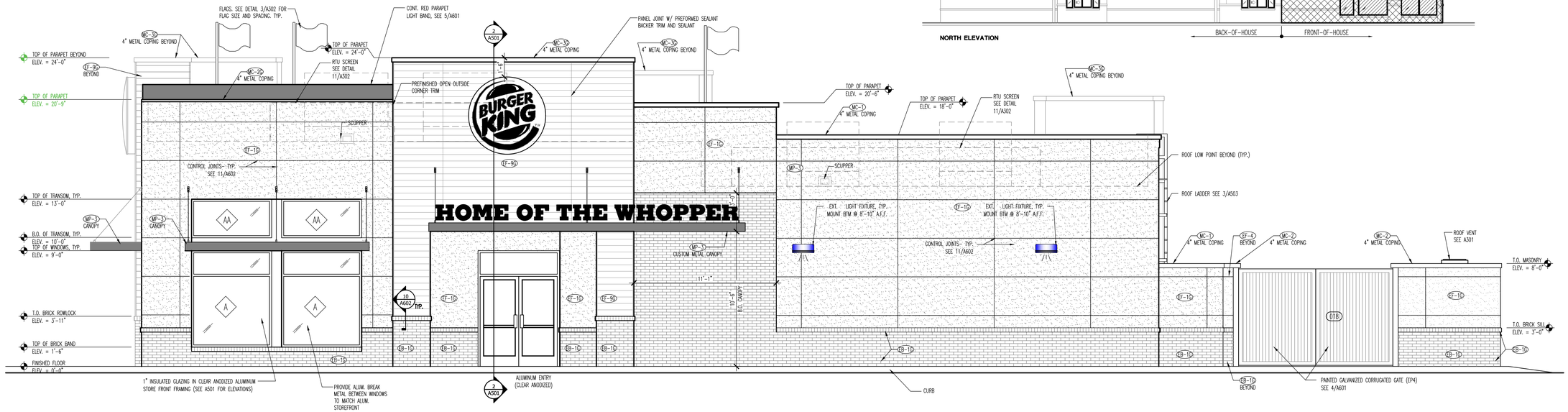
DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

A302



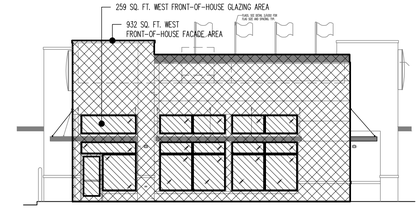
1 A401 **WEST ELEVATION**

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

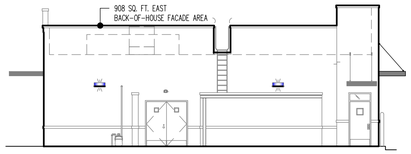


2 A401 **SOUTH ELEVATION**

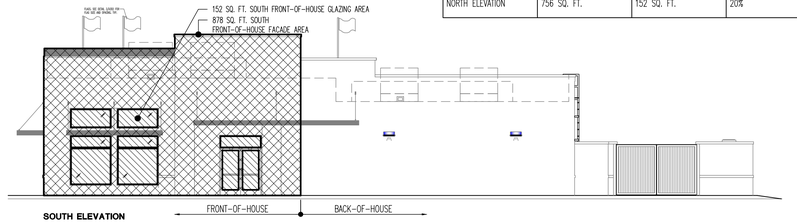
SCALE: 1/4"=1'-0"



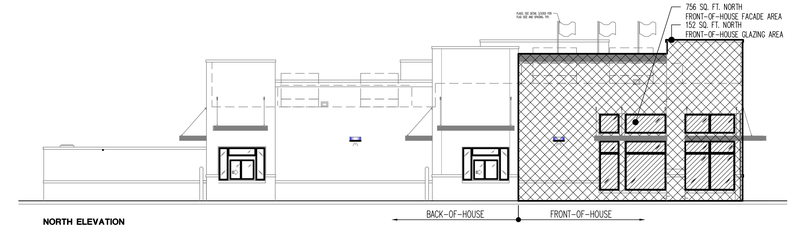
WEST ELEVATION



EAST ELEVATION



SOUTH ELEVATION



NORTH ELEVATION

EXTERIOR MATERIALS LEGEND

(XX-X)			
CODE	MATERIAL	MANUFACTURER	DESCRIPTION
EB-1C	EXT. BRICK	MERIDIAN BRICK	COASTAL BLUFF – SIZE QUEEN FLATS. PRODUCT 081.0922.16422.1
EF-1C	EXT. FINISH STUCCO		STUCCO SYSTEM, TEXTURE: FINE SAND, COLOR TO MATCH PPG CUSTOM FORMULA "TANNERS TAUPE"
EF-9C	EXT. FINISH FIBER CEMENT PANEL	NICHIHA	PANEL, VINTAGE WOOD COLOR: CEDAR w/ ALUM. PRE-FINISHED TRIM MATCHING PANEL COLOR.
MC-1	METAL COPING	W.P. HICKMAN SYSTEMS, INC.	PERMASNAP PLUS, COLOR: A-30 "SILVERSMITH"
MC-2C	METAL COPING	W.P. HICKMAN SYSTEMS, INC.	PERMASNAP PLUS, COLOR: "TANNERS TAUPE"
MC-3C	METAL COPING	W.P. HICKMAN SYSTEMS, INC.	PERMASNAP PLUS, COLOR: TO MATCH FIBER CEMENT PANELS AND ALUM. PRE-FINISHED TRIM.
MP-3	METAL CANOPY SIGNAGE, CUSTOM	SEE APPROVED CANOPY SUPPLIERS	COLOR: CLEAR ANODIZED, SEE PLANS
EP-2C	EXT. GENERAL PAINT	PPG	PRIMER: HYDROSEALER EXTERIOR PRIMER SEALER 6001-1200. PAINT: EXTERIOR GENERAL EXTERIOR 100% ACRYLIC SATIN FINISH 2402V-XXXX, COLOR: "TANNERS TAUPE"
EP-4	EXT. GENERAL PAINT	GLIDDEN PROFESSIONAL	PRIMER: HYDROSEALER EXTERIOR PRIMER SEALER 6001-1200. PAINT: FORTIS 350 EXTERIOR 100% ACRYLIC SATIN FINISH 2402V-XXXX, COLOR: MASTER PALETTE # 10YY-14/080 "MONTEREY CLIFFS"
EP-5	EXT. GENERAL PAINT	GLIDDEN PROFESSIONAL	PRIMER: HYDROSEALER EXTERIOR PRIMER SEALER 6001-1200. PAINT: FORTIS 350 EXTERIOR 100% ACRYLIC SATIN FINISH 2402V-XXXX, COLOR: MASTER PALETTE # 00NN 07/000 "DEEP ONYX"
FOR FLORIDA PRODUCT APPROVAL NUMBERS, SEE SCHEDULE ON SHEET G201			

ELLISVILLE OVERLAY DISTRICT FACADE GLAZING CALCULATIONS (Ref. 4.22.4.5.d)

LOCATION:	FRONT-OF-HOUSE AREA:	GLAZING AREA:	GLAZING PERCENTAGE OF FRONT-OF-HOUSE AREA:
WEST ELEVATION	932 SQ. FT.	259 SQ. FT.	28%
EAST ELEVATION	908 SQ. FT.	0	0%
SOUTH ELEVATION	878 SQ. FT.	152 SQ. FT.	17%
NORTH ELEVATION	756 SQ. FT.	152 SQ. FT.	20%

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Elkhart, IN p: 574.293.7762
ENGINEERING: CA3769
ARCHITECTURAL: AA26001736

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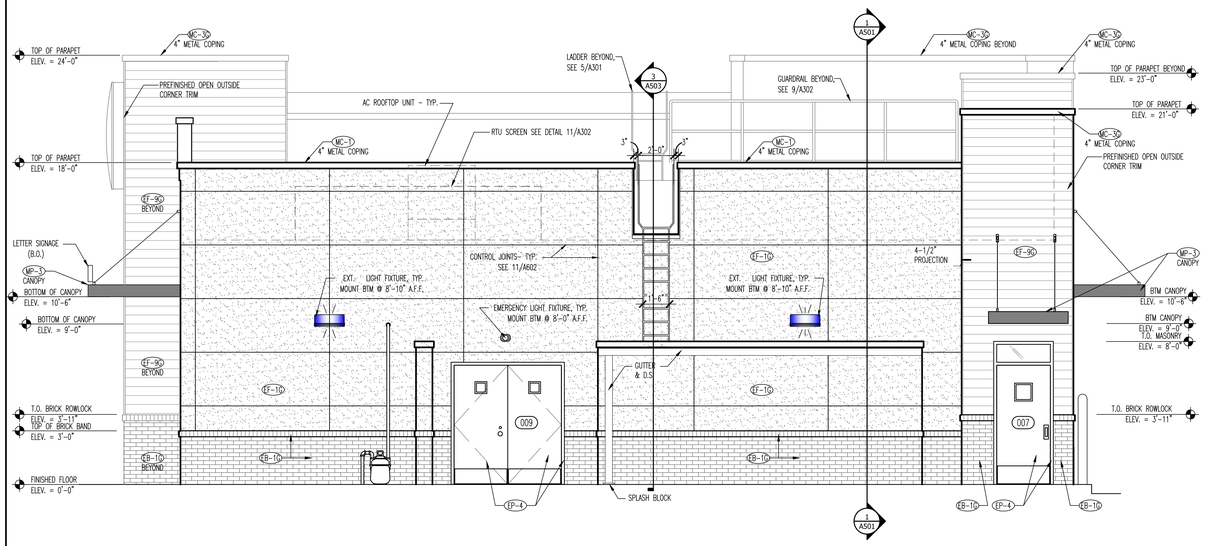
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3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

EXTERIOR ELEVATIONS

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: 1/4" = 1'-0"

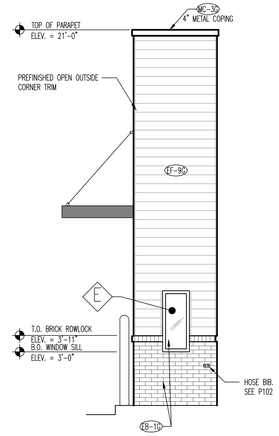
A401

XX-X	EXTERIOR MATERIALS LEGEND		
CODE	MATERIAL	MANUFACTURER	DESCRIPTION
EB-1©	EXT. BRICK	MERIDIAN BRICK	COASTAL BLUFF – SIZE QUEEN FLATS. PRODUCT 081.0922.16422.1
EF-1©	EXT. FINISH STUCCO		STUCCO SYSTEM, TEXTURE: FINE SAND, COLOR TO MATCH PPG CUSTOM FORMULA "TANNERS TAUPE"
EF-9©	EXT. FINISH FIBER CEMENT PANEL	NICHIHA	PANEL, VINTAGE WOOD COLOR: CEDAR w/ ALUM. PRE-FINISHED TRIM MATCHING PANEL COLOR.
MC-1	METAL COPING	W.P. HICKMAN SYSTEMS, INC.	PERMASNAP PLUS, COLOR: A-30 "SILVERSMITH"
MC-2©	METAL COPING	W.P. HICKMAN SYSTEMS, INC.	PERMASNAP PLUS, COLOR: "TANNERS TAUPE"
MC-3©	METAL COPING	W.P. HICKMAN SYSTEMS, INC.	PERMASNAP PLUS, COLOR: TO MATCH FIBER CEMENT PANELS AND ALUM. PRE-FINISHED TRIM.
MP-3	METAL CANOPY SIGNAGE, CUSTOM	SEE APPROVED CANOPY SUPPLIERS	COLOR: CLEAR ANODIZED, SEE PLANS
EP-2©	EXT. GENERAL PAINT	PPG	PRIMER: HYDROSEALER EXTERIOR PRIMER SEALER 6001-1200. PAINT: EXTERIOR GENERAL EXTERIOR 100% ACRYLIC SATIN FINISH 2402V-XXXX, COLOR: "TANNERS TAUPE"
EP-4	EXT. GENERAL PAINT	GLIDDEN PROFESSIONAL	PRIMER: HYDROSEALER EXTERIOR PRIMER SEALER 6001-1200. PAINT: FORTIS 350 EXTERIOR 100% ACRYLIC SATIN FINISH 2402V-XXXX, COLOR: MASTER PALETTE # 10YY-14/080 "MONTEREY CLIFFS"
EP-5	EXT. GENERAL PAINT	GLIDDEN PROFESSIONAL	PRIMER: HYDROSEALER EXTERIOR PRIMER SEALER 6001-1200. PAINT: FORTIS 350 EXTERIOR 100% ACRYLIC SATIN FINISH 2402V-XXXX, COLOR: MASTER PALETTE # 00NN 07/000 "DEEP ONYX"
FOR FLORIDA PRODUCT APPROVAL NUMBERS, SEE SCHEDULE ON SHEET G201			



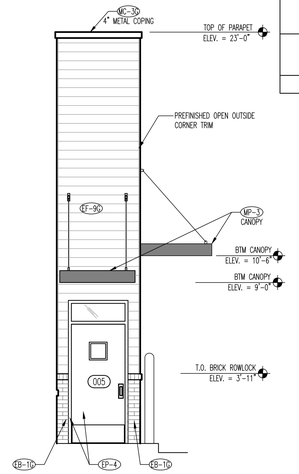
1 A402 EAST ELEVATION

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



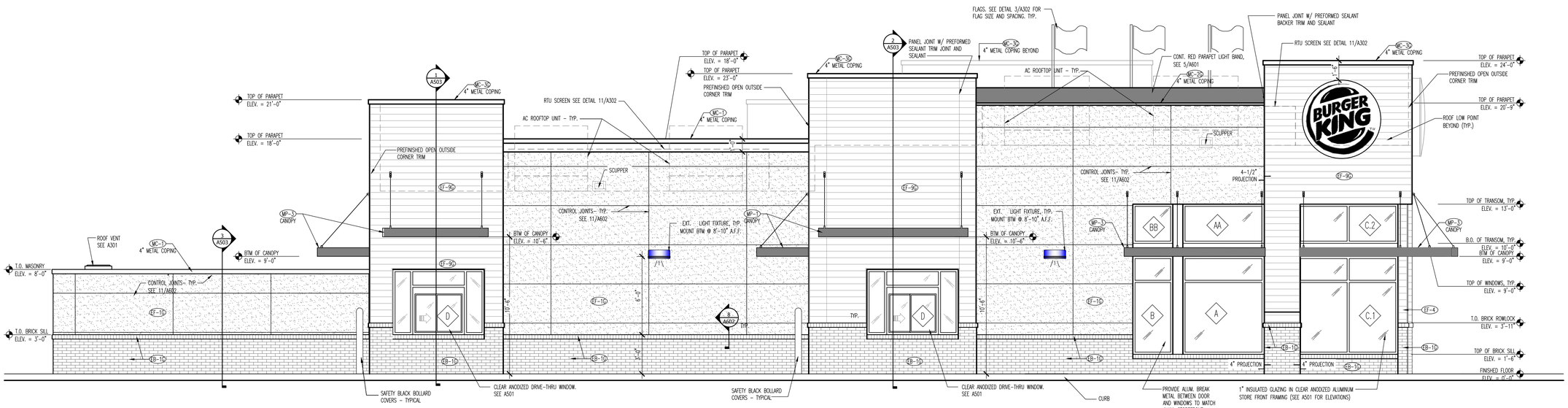
3 A402 WEST D.T. 007 ELEVATION

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



4 A402 EAST D.T. 005 ELEVATION

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



2 A402 NORTH ELEVATION

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

NO.	REV.	DESCRIPTION	BY	DATE

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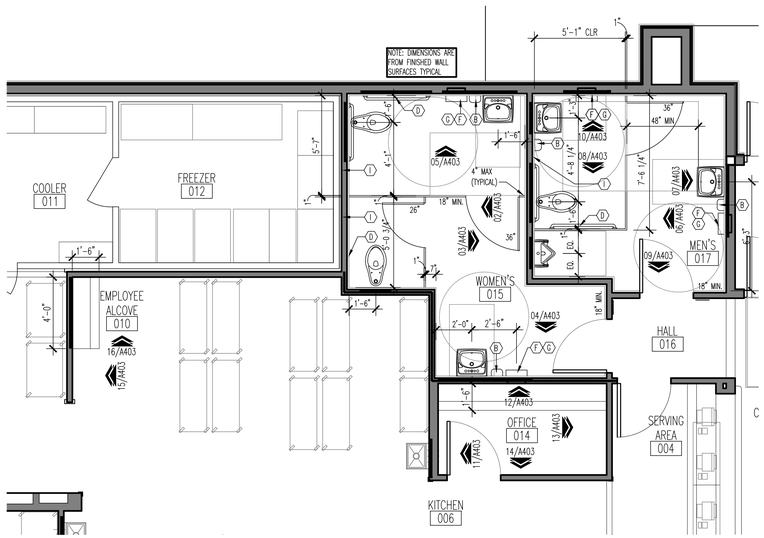
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3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

EXTERIOR ELEVATIONS

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY: KNB
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: 1/4" = 1'-0"

A402



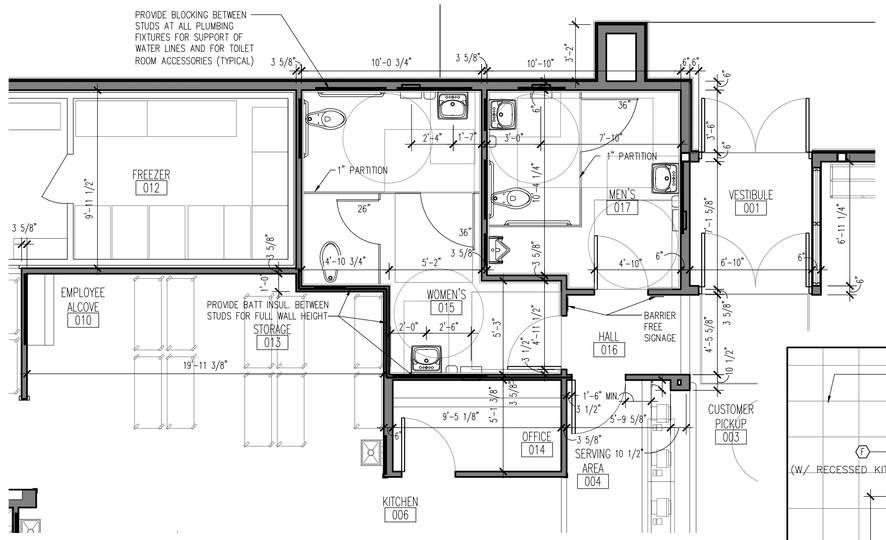
NOTE:
SEE DECOR DRAWINGS, ELEVATIONS CONT. FOR INFORMATION ON THE RESTROOM TILE PATTERN AND TILE COLOR AND MANUFACTURER - TYPICAL.

1/A403 PARTIAL FLOOR PLAN

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

NOTE:
DIMENSIONS ARE FROM FINISH ON THIS PLAN

N

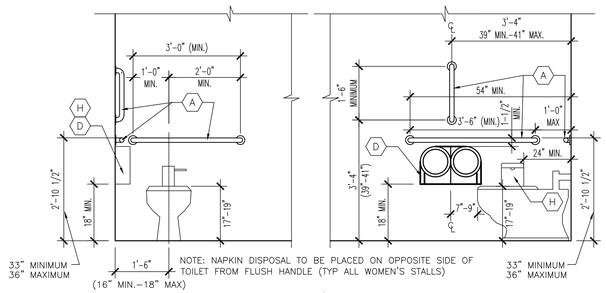


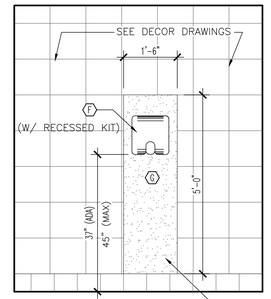
1A/A403 PARTIAL FLOOR PLAN

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

NOTE:
DIMENSIONS ARE FROM FRAMING ON THIS PLAN

N





20/A403 HC STALL MOUNTING DIMENSIONS

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

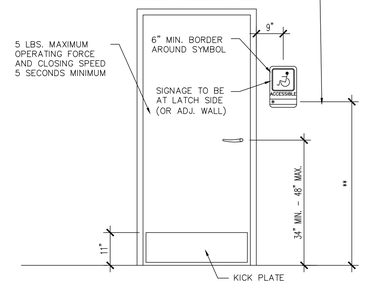
NOTE: DIMENSIONS ARE FROM FACE OF FINISHED WALL SURFACES



"GRADE 2" BRAILLE AREA
EGGSHELL MATTE, NON-GLARE,
70% CONTRAST MINIMUM
ILLUM. 30-70 FT. CANDLES (INT)
LETTERS: 1" UPPERCASE AT OR
BELOW 66". ABOVE 66" 3" U.C.

MOUNT SIGN SO THAT THE TACTILE CHARACTERS ARE LOCATED 48" MIN. MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60" MAX. FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.

5 LBS. MAXIMUM OPERATING FORCE AND CLOSING SPEED 5 SECONDS MINIMUM



GENERAL NOTES:

A. FOR INTERIOR FINISHES, REFER TO INTERIOR DECOR SHEETS. SEE A701 FOR BACK OF HOUSE FINISHES.
B. PLUMBING FIXTURES TO BE PROVIDED BY THE GENERAL CONTRACTOR.
C. ALL PLUMBING FIXTURES, FAUCETS AND ACCESSORIES TO BE ADA COMPLIANT
D. ALL EXPOSED PIPING UNDER LAVATORIES TO BE INSULATED TO PROTECT FROM CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

RESTROOM / KITCHEN ACCESSORIES:

(A) GRAB BAR: BOBRICK 250 LBF. MINIMUM
33" MIN. TO 36" MAX. HEIGHT TO THE TOP OF THE GRIPPING SURFACE.
PROVIDE THE REQUIRED QUANTITY AND LENGTH AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE GOVERNING CODE. THE BAR SHALL BE 1-1/2" IN DIAMETER AND MOUNTED WITH 1-1/2" CLEARANCE FROM THE WALL.

(B) WALL MOUNTED SOAP DISPENSER AND HAND SANITIZER DISPENSER WHEN SHOWN (36" MAX. HEIGHT) SUPPLIED BY "ECOLAB" AND INSTALLED BY THE G.C.
NOTE: SOAP AND HAND SANITIZER DISPENSERS TO BE PROVIDED AT EACH KITCHEN HANDSINK.

(C) MIRROR: (BOTTOM OF REFLECTIVE SURFACE AT 40" MAXIMUM HEIGHT)
MODEL B-165-1836 (18"x36") STAINLESS STEEL CHANNEL FRAME MIRROR WITH THEFT RESISTANT SCREWS BY BOBRICK OR APPROVED EQUIVALENT.

(D) TOILET PAPER HOLDER:
9" TWIN JUMBO MODEL #58250 BY NORTH AMERICAN CORPORATION.

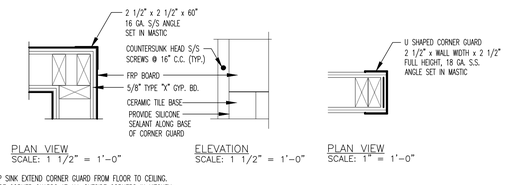
(E) HDPE w/ HAMMERED BLACK FINISH TOILET PARTITION w/ BRACED TOP RAIL, FLOOR MOUNT

(F) X-CELERATOR BRAND ELECTRIC HAND DRYER:
MANUFACTURED BY NEWTON DISTRIBUTING CO., MODEL XL-BW WITH ADA COMPLIANT RECESS KIT, COLOR: WHITE EPOXY COVER. (R.O. 14 1/2" x 24 3/8" 30" A.F.F.)

(G) 5'-0" HIGH SOLID SURFACE. CORIAN SANDALWOOD 1/2" THICK (SEE 22/A403)

(H) SANITARY NAPKIN DISPOSAL: BOBRICK CONTRA SERIES B-270, SURFACE MOUNTED.

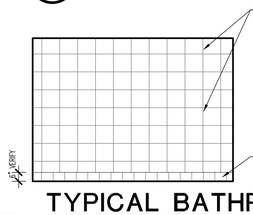
(I) COAT HOOK: BOBRICK MODEL B-6717. MOUNT AT 38"-40" A.F.F. FOR ADA ACCESSIBLE LOCATIONS AND AT 48" A.F.F. MAXIMUM FOR NON-ADA ACCESSIBLE LOCATIONS.



* MOP SINK EXTEND CORNER GUARD FROM FLOOR TO CEILING.
PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS IN KITCHEN

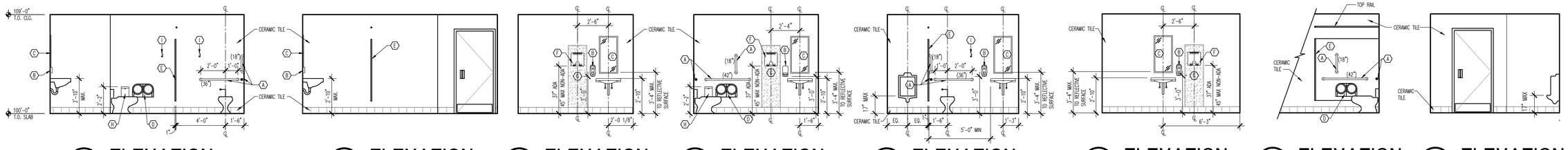
24/A403 KITCHEN CORNER GUARD

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



23/A403 TYPICAL BATHROOM WALL ELEVATION

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



2/A403 ELEVATION

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

3/A403 ELEVATION

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

4/A403 ELEVATION

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

5/A403 ELEVATION

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

6/A403 ELEVATION

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

7/A403 ELEVATION

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

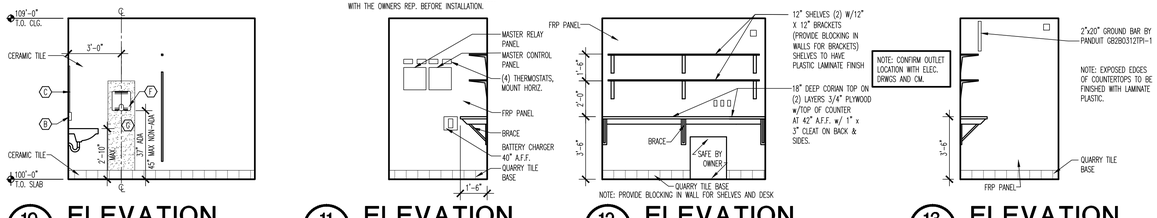
8/A403 ELEVATION

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

9/A403 ELEVATION

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

NOTE:
VERIFY THE LOCATION OF ALL RECEPTACLES AND "J" BOX IN THE OFFICE AND THE CREW AREA WITH THE OWNERS REP. BEFORE INSTALLATION.



10/A403 ELEVATION

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

11/A403 ELEVATION

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

12/A403 ELEVATION

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

13/A403 ELEVATION

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

14/A403 ELEVATION

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

15/A403 ELEVATION

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

16/A403 ELEVATION

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

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JPR ENGINEERING, CA32769
ARCHITECTURAL- AA26001736

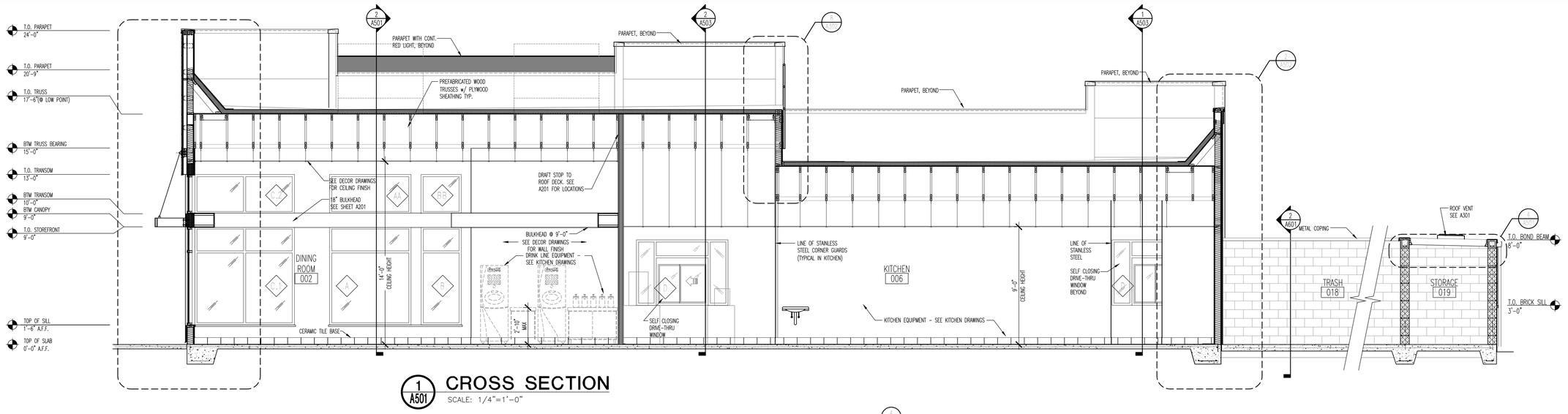
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INTERIOR ELEVATIONS AND DETAILS

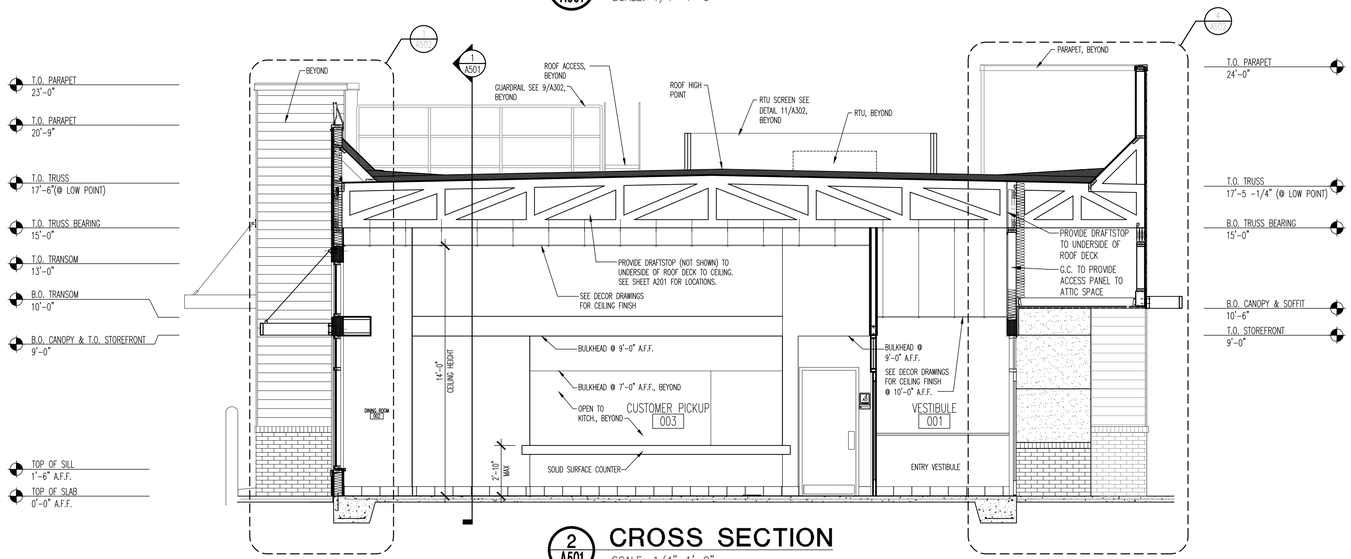
DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY: CSS
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

A403



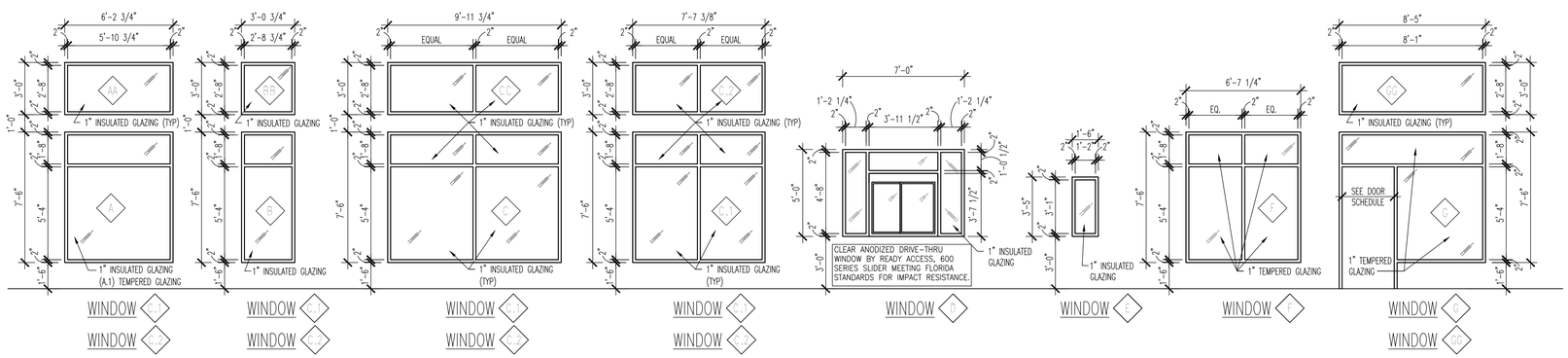
1 A501 CROSS SECTION

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



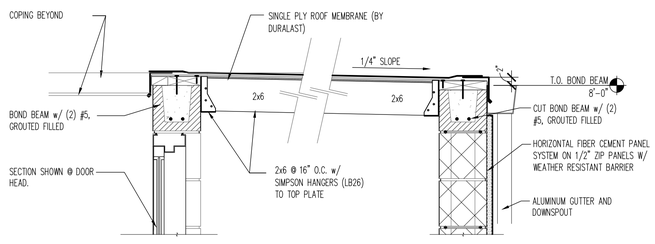
2 A501 CROSS SECTION

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



3 A501 WINDOW ELEVATIONS

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



4 A501 SERVICE YARD WALL DETAIL

SCALE: 1"=1'-0"

BUILDING/WALL SECTION GENERAL NOTES

1. LED PARAPET LIGHT BAND TO BE SUPPLIED AND INSTALLED BY APPROVED SIGN MFG. AS PART OF THE OWNER'S SIGN PACKAGE. CONTRACTOR TO COORDINATE LENGTH OF LIGHT BAND AND ELECT. REQ. w/ SIGN MFG. ELECT. CONTRACTOR TO RUN POWER AND PROVIDE FINAL CONNECTIONS.
2. CONTRACTOR TO REFER TO DECOR DRAWINGS FOR INTERIOR FINISH SELECTIONS.

ALUMINUM WINDOW & EXTERIOR DOOR NOTES

1. CLEAR ANODIZED ALUMINUM STOREFRONT FRAMING, KAWNEER TRIFAB 451 W/ 1" INSULATED GLAZED SYSTEM, AND ALUMINUM ENTRY DOORS MEETING FLORIDA IMPACT RESISTANCE STANDARDS OR EQUAL (TYP). WHERE WIND SPEED FOR AREA IS 150 mph (SEE S202) OR GREATER OR WHEN REQUIRED BY LOCAL AUTHORITIES.
2. INSULATED GLASS TO BE 1/4" HEAT STRENGTHENED OUTER LITE AND (2) 1/8" LAMINATED w/ 0.09 FILM INNER LITE (HEAT STRENGTHENED) MEETING REQUIREMENTS OF ASTM E1996 FOR WIND BORNE DEBRIS REGION (WBDR) REQUIREMENTS. PPG SOLAR BAN 60(2)/SOLARGRAY LOW-E OR EQUAL. WHERE WIND SPEED FOR AREA IS 150 mph (SEE S202) OR GREATER OR WHEN REQUIRED BY LOCAL AUTHORITIES.
3. HOLLOW METAL DOOR AND FRAMES (CECO IMPERIAL SERIES) TO MEET FLORIDA FOR IMPACT RESISTANCE STANDARDS WHEN WIND SPEED FOR AREA IS 150 MPH (SEE S202) OR GREATER OR WHEN REQUIRED BY LOCAL AUTHORITIES.
4. PROVIDE SYSTEM WITH U=0.40 AND SHGC=0.25
5. WINDOW AND DOOR FRAMING TO BE CAPABLE OF RESISTING WIND LOADS AS NOTED ON S202.
6. PROVIDE DRIP CAP ON ALL WINDOW SILLS

NOTE: SEE G201 FOR FLORIDA APPROVED NUMBERS

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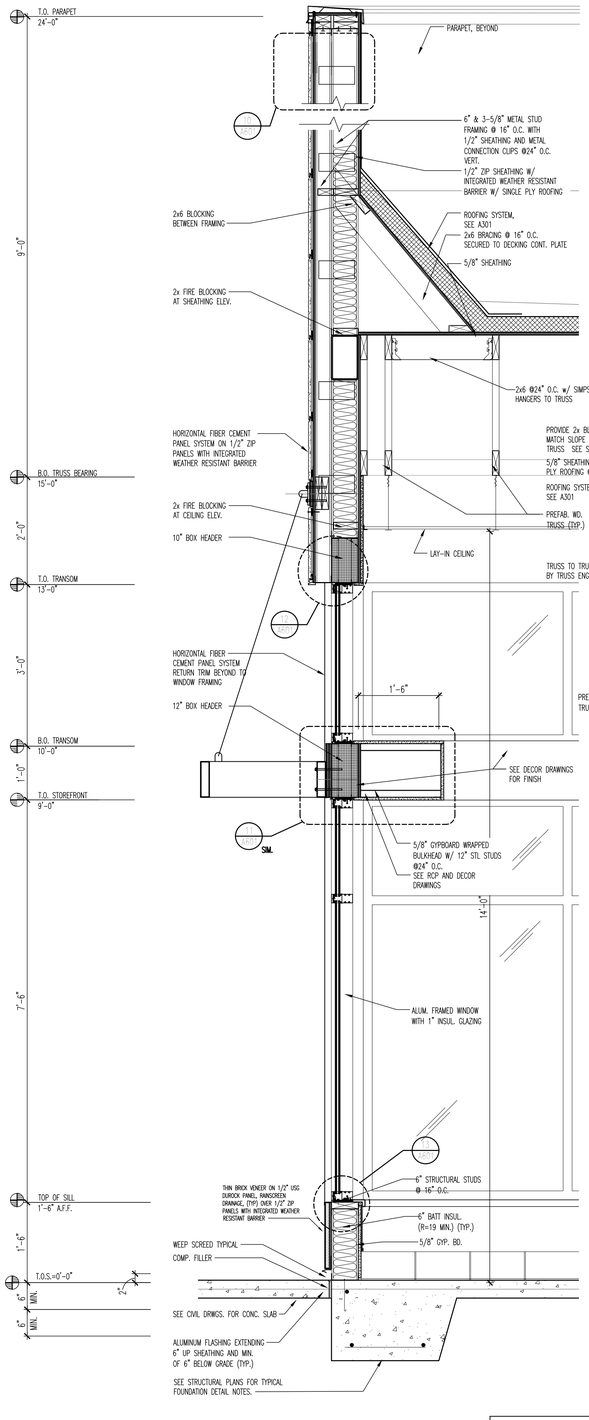
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BUILDING SECTIONS

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY: KNB
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

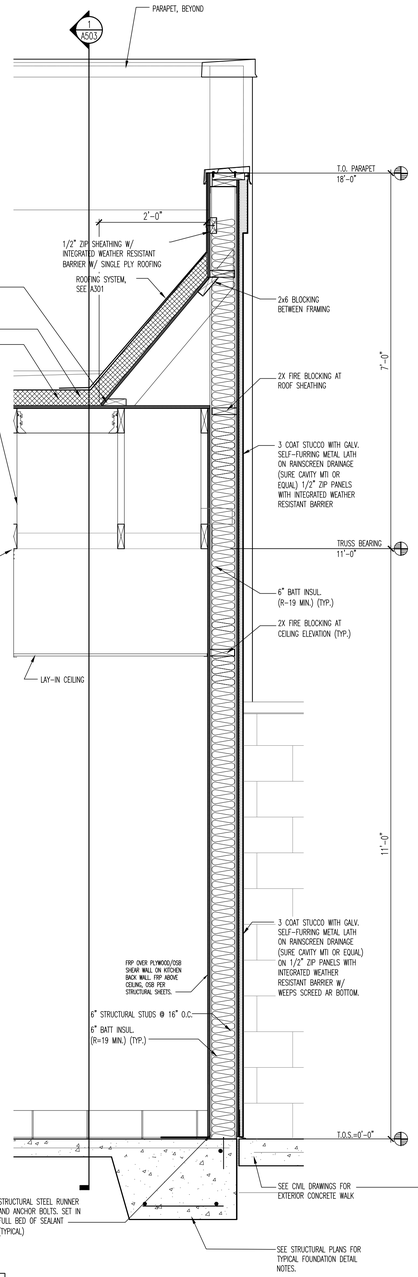
A501



1 A502 WALL SECTION

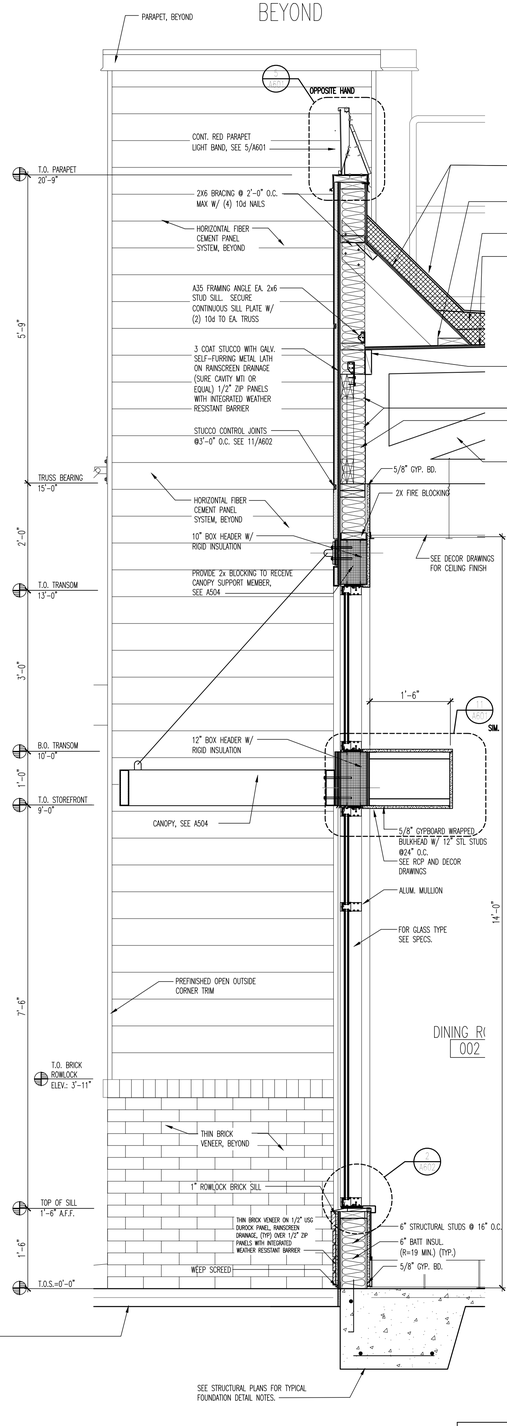
SCALE:3/4"=1'-0"

NOTE: ANY EXTERIOR SHEATHING WITHIN 8" OF GRADE SHALL BE 1/2" PRESSURE TREATED OSB OR PLYWOOD, 16" MIN. HEIGHT STAGGERED HORIZONTAL JOINTS, 16" MIN. SEPARATION BETWEEN HORIZONTAL JOINTS



2 A502 WALL SECTION

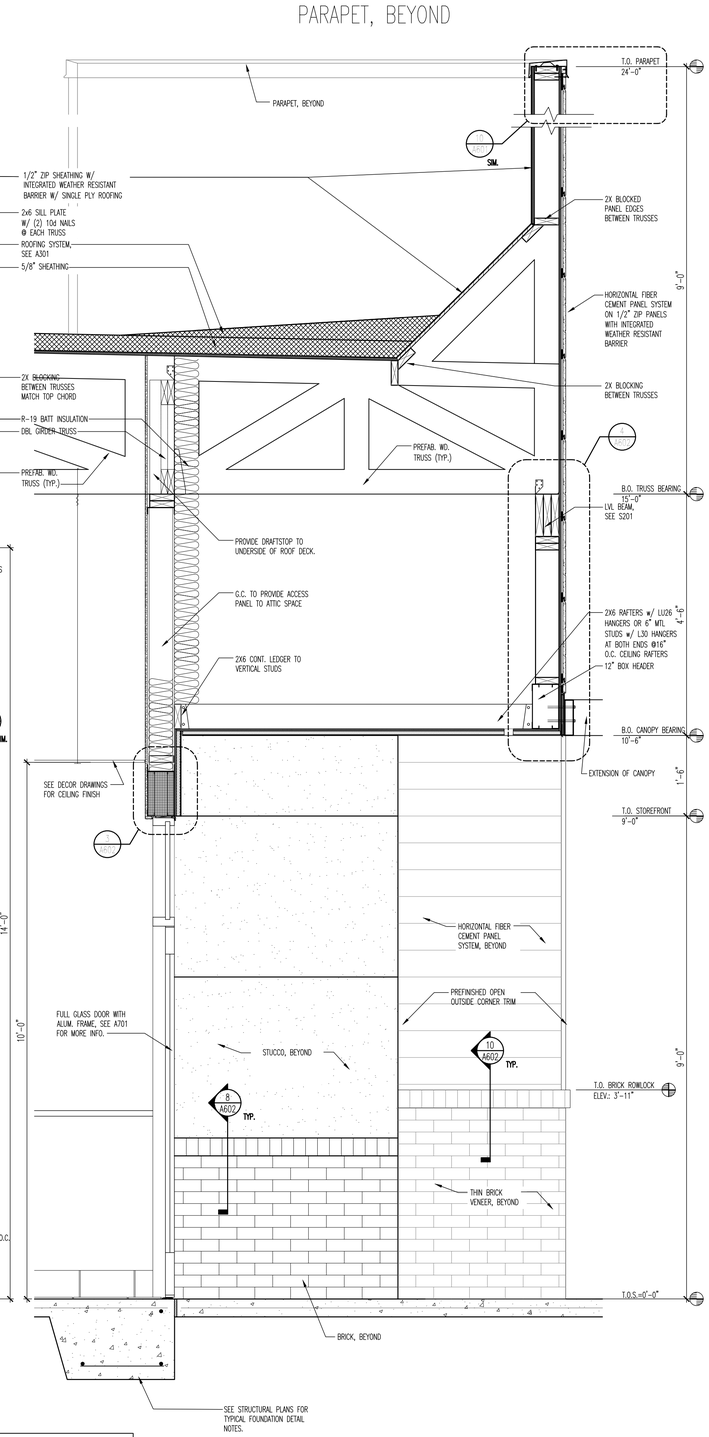
SCALE:3/4"=1'-0"



3 A502 WALL SECTION

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

NOTE: ANY EXTERIOR SHEATHING WITHIN 8" OF GRADE SHALL BE 1/2" PRESSURE TREATED OSB OR PLYWOOD, 16" MIN. HEIGHT STAGGERED HORIZONTAL JOINTS, 16" MIN. SEPARATION BETWEEN HORIZONTAL JOINTS



4 A502 WALL SECTION

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

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TAMPA, FL 33619

WALL SECTIONS

DESIGNED BY:

REVIEWED BY: SJV

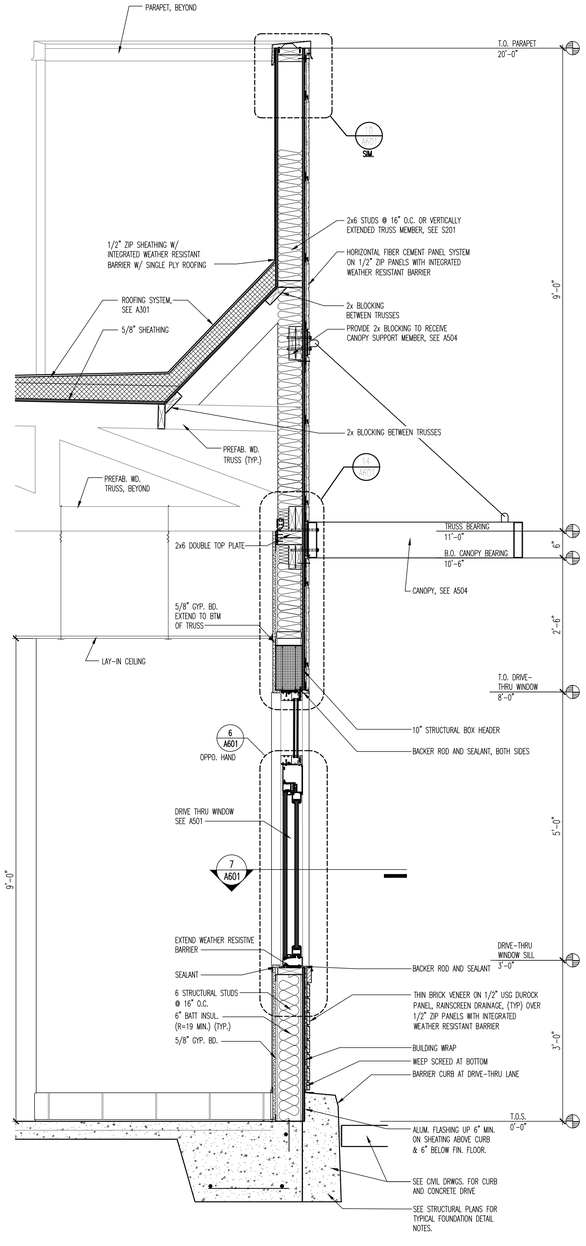
DRAWN BY:

DATE: JULY 8, 2021

JOB NUMBER: 2021-0194

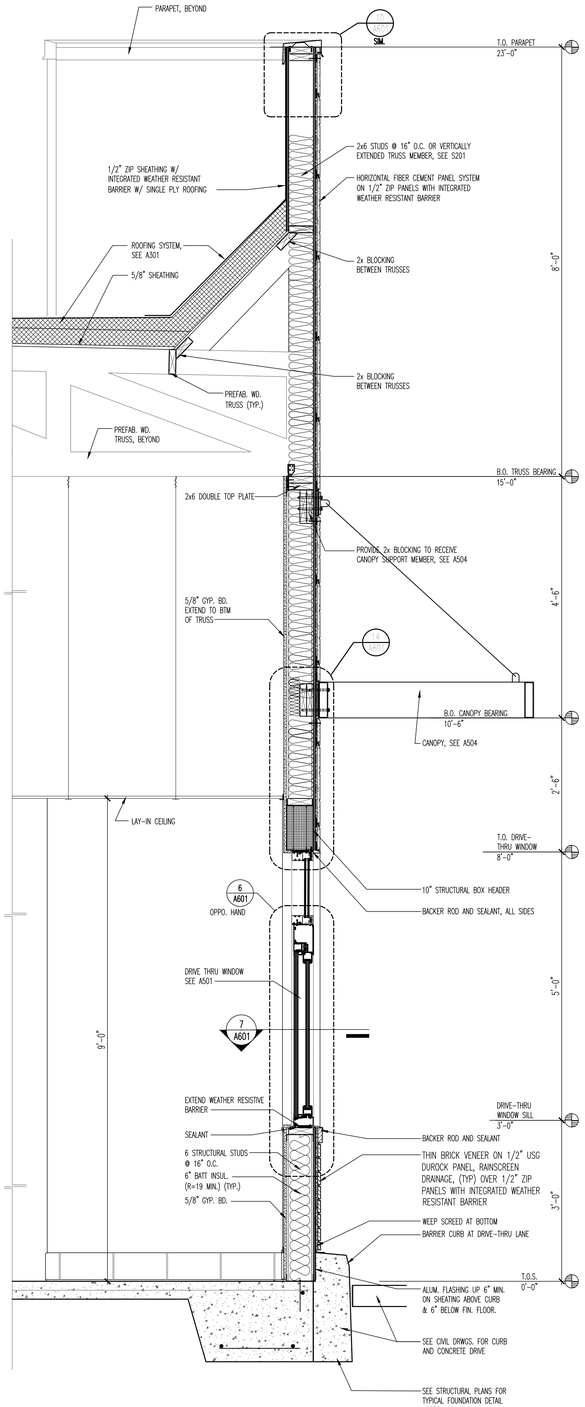
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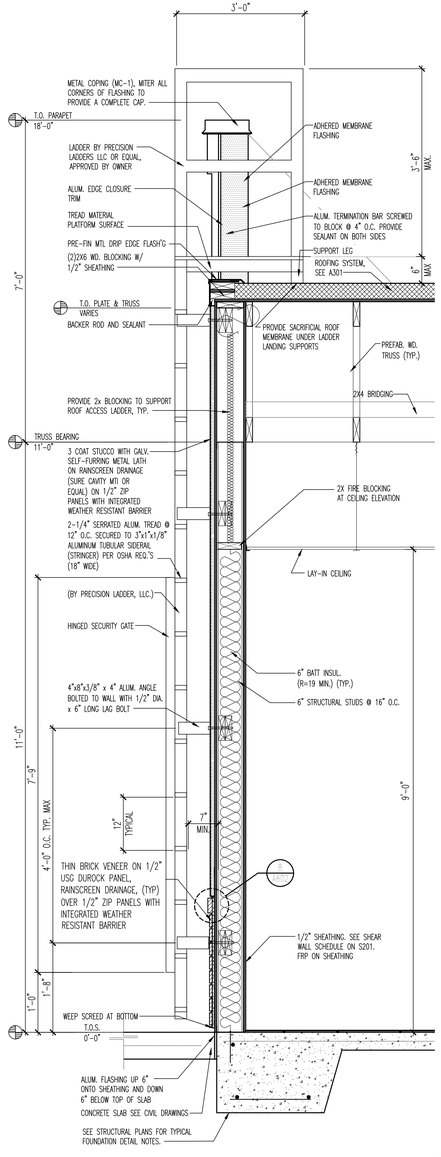


1 A503 **WALL SECTION**
SCALE: 3/4"=1'-0"

NOTE: ANY EXTERIOR SHEATHING WITHIN 8" OF GRADE SHALL BE 1/2" PRESSURE TREATED OSB OR PLYWOOD, 16" MIN. HEIGHT STAGGERED HORIZONTAL JOINTS, 16" MIN. SEPARATION BETWEEN HORIZONTAL JOINTS

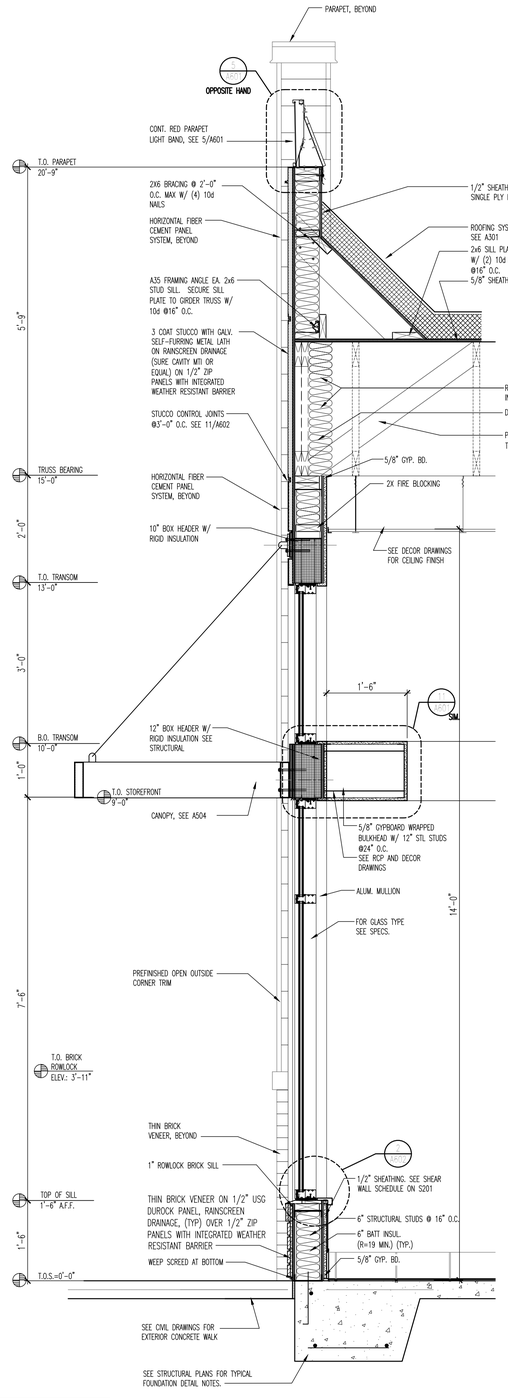


2 A503 **WALL SECTION**
SCALE: 3/4"=1'-0"



3 A503 **WALL SECTION**
SCALE: 3/4"=1'-0"

NOTE: ANY EXTERIOR SHEATHING WITHIN 8" OF GRADE SHALL BE 1/2" PRESSURE TREATED OSB OR PLYWOOD, 16" MIN. HEIGHT STAGGERED HORIZONTAL JOINTS, 16" MIN. SEPARATION BETWEEN HORIZONTAL JOINTS



4 A503 **WALL SECTION**
SCALE: 3/4"=1'-0"

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WALL SECTIONS

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY: CSS, KNB
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

A503

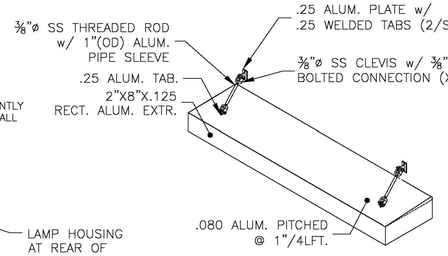
1 A504 CANOPY DETAILS

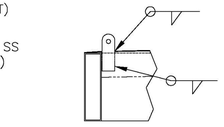
SCALE:AS NOTED

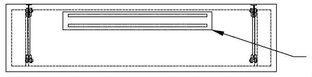
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2'-0" Closed

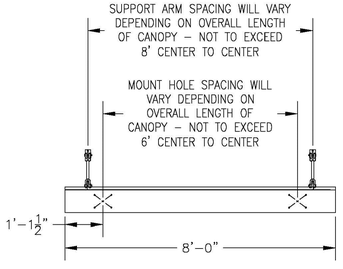
TABS TO BE LOCATED 6" FROM FACE EXCEPT HOME OF THE WHOPPER & FLAME GRILLING SINCE 1954

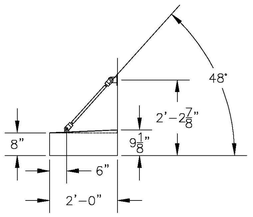
GENERAL NOTES:
CAULK ALL HOLE PENETRATIONS IN CANOPY TOP WITH 100% SILICONE SEALANT
ADJUST AND/OR CUT MOUNT SUPPORT LENGTH AS NEEDED TO INSURE ALL WALL MOUNT PLATES ARE LEVEL AND CONSISTENTLY SPACED FROM CANOPY GC TO SUPPLY BLOCKING BEHIND WALL TO COINCIDE WITH MOUNT PLATES

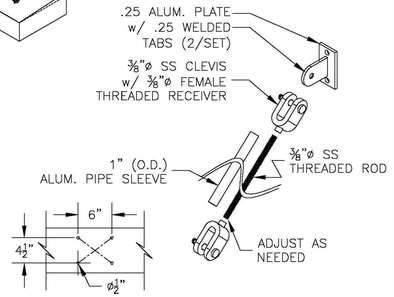



TURNBUCKLE TAB WELDING DETAIL


LAMP HOUSING AT REAR OF CANOPY







EXTR. WALL MOUNT HOLE PATTERN SCALED: 2X

COLOR NOTE:
PAINTED BRUSHED ALUM. SILVER

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Project Information: BURGER KING — Custom Exterior Signage Systems — File Burger King Design Doc RPP (P) Design ... Date.

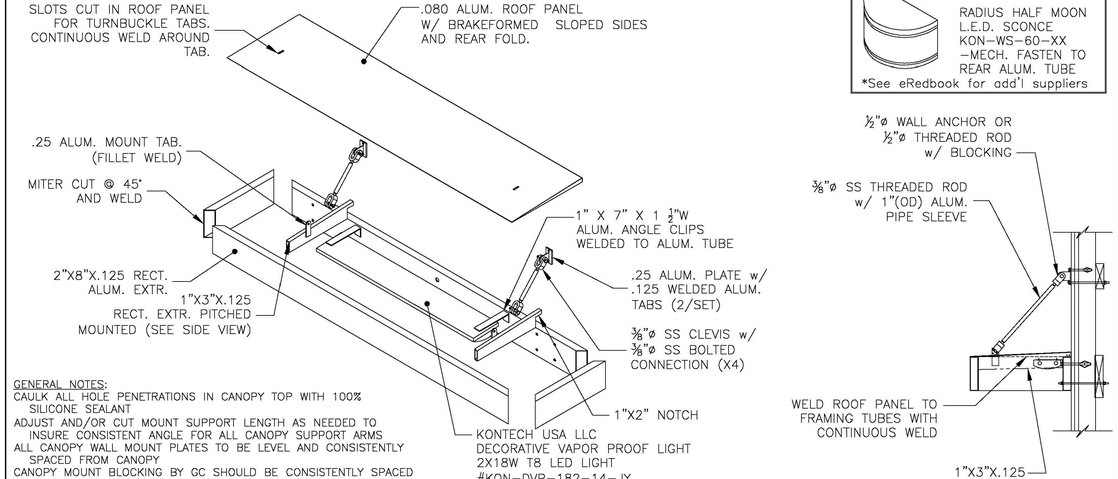
Client Review Status: Burger King requires that an " ☑ Approved" drawing be obtained from the client prior to any production release or production release revision.

☐ Approved ☐ Revise & Resubmit

Name / Title / Date

SC-16-C Canopy
2'-0" Closed

TABS FOR HOTW OR FGS1954 CANOPY TO BE LOCATED 12" FROM FACE



ALTERNATE LIGHTING:
RADIUS HALF MOON L.E.D. SCONCE KON–WS–60–XX –MECH. FASTEN TO REAR ALUM. TUBE
*See eRedbook for add'l suppliers

GENERAL NOTES:
CAULK ALL HOLE PENETRATIONS IN CANOPY TOP WITH 100% SILICONE SEALANT
ADJUST AND/OR CUT MOUNT SUPPORT LENGTH AS NEEDED TO INSURE CONSISTENT ANGLE FOR ALL CANOPY SUPPORT ARMS
ALL CANOPY WALL MOUNT PLATES TO BE LEVEL AND CONSISTENTLY SPACED FROM CANOPY
CANOPY MOUNT BLOCKING BY GC SHOULD BE CONSISTENTLY SPACED ON BUILDING TO INSURE PROPER AND CONSISTENT ANGLE OF CANOPY SUPPORT ROD

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☐ Approved ☐ Revise & Resubmit

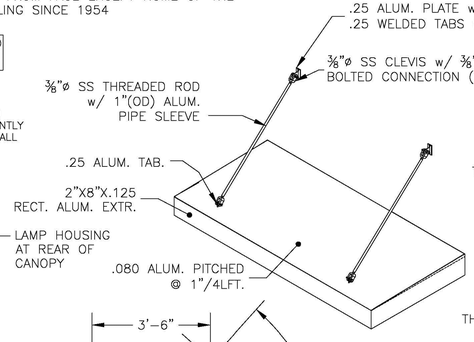
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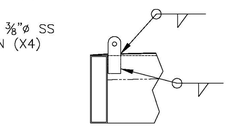
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4'-0" Closed

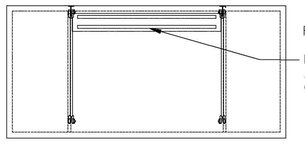
TABS TO BE LOCATED 6" FROM FACE EXCEPT HOME OF THE WHOPPER & FLAME GRILLING SINCE 1954

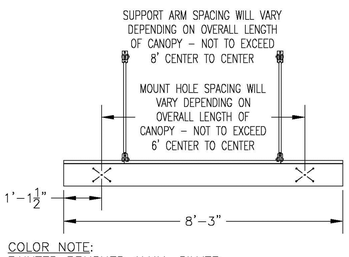
FOR HIGH SNOW AREAS **ONLY** ADD 1½"X1½" ALUM ANGLE FLASHING

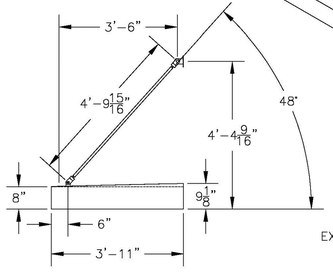
GENERAL NOTES:
CAULK ALL HOLE PENETRATIONS IN CANOPY TOP WITH 100% SILICONE SEALANT
ADJUST AND/OR CUT MOUNT SUPPORT LENGTH AS NEEDED TO INSURE ALL WALL MOUNT PLATES ARE LEVEL AND CONSISTENTLY SPACED FROM CANOPY GC TO SUPPLY BLOCKING BEHIND WALL TO COINCIDE WITH MOUNT PLATES

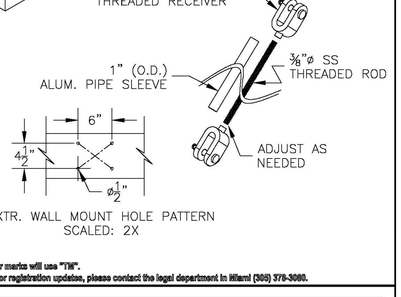



TURNBUCKLE TAB WELDING DETAIL


LAMP HOUSING AT REAR OF CANOPY







EXTR. WALL MOUNT HOLE PATTERN SCALED: 2X

COLOR NOTE:
PAINTED BRUSHED ALUM. SILVER

Note: BURGER KING® or BURGER KING® Buns and Crescent Logo to use "®" for all locations globally. All other marks will use "TM".
BURGER KING ® in the U.S. use the ® trademark symbol. The Burger King ® trademark may not be registered in all countries. See "Legal Standards" for more information. For registration updates, please contact the legal department in Miami (305) 378-3000.

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Project Information: BURGER KING — Custom Exterior Signage Systems — File Burger King Design Doc RPP (P) Design ... Date.

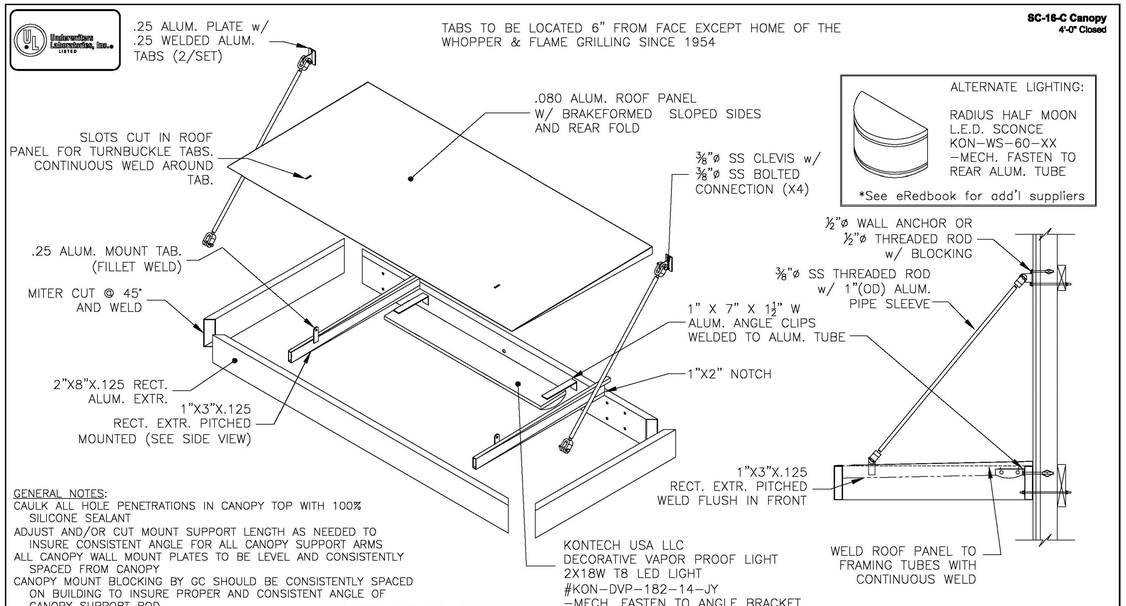
Client Review Status: Burger King requires that an " ☑ Approved" drawing be obtained from the client prior to any production release or production release revision.

☐ Approved ☐ Revise & Resubmit

Name / Title / Date

SC-16-C Canopy
4'-0" Closed

TABS TO BE LOCATED 6" FROM FACE EXCEPT HOME OF THE WHOPPER & FLAME GRILLING SINCE 1954



ALTERNATE LIGHTING:
RADIUS HALF MOON L.E.D. SCONCE KON–WS–60–XX –MECH. FASTEN TO REAR ALUM. TUBE
*See eRedbook for add'l suppliers

GENERAL NOTES:
CAULK ALL HOLE PENETRATIONS IN CANOPY TOP WITH 100% SILICONE SEALANT
ADJUST AND/OR CUT MOUNT SUPPORT LENGTH AS NEEDED TO INSURE CONSISTENT ANGLE FOR ALL CANOPY SUPPORT ARMS
ALL CANOPY WALL MOUNT PLATES TO BE LEVEL AND CONSISTENTLY SPACED FROM CANOPY
CANOPY MOUNT BLOCKING BY GC SHOULD BE CONSISTENTLY SPACED ON BUILDING TO INSURE PROPER AND CONSISTENT ANGLE OF CANOPY SUPPORT ROD

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☐ Approved ☐ Revise & Resubmit

Name / Title / Date

2 A504 CANOPY DETAILS

SCALE:AS NOTED

** VERIFY WITH OWNER ON CLOSED CANOPY LOCATIONS

REV.	DESCRIPTION	BY	DATE

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JONES PETRINSKI
South Bend, IN p. 574.233.4388
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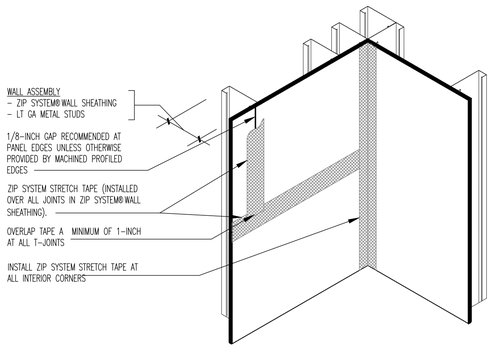
JPR
Elkhart, IN p. 574.293.7762
ENGINEERING: CA3269

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BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

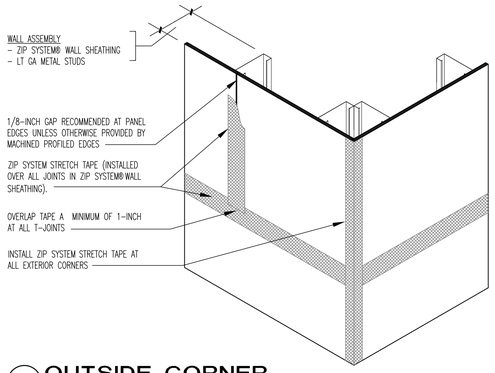
CANOPY DETAILS

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

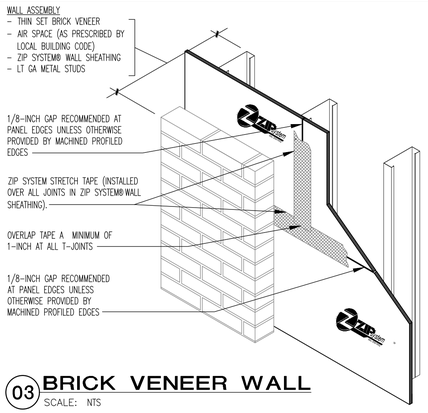
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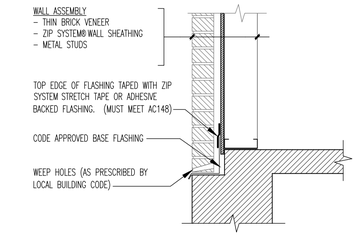
01 INSIDE CORNER
SCALE: NTS



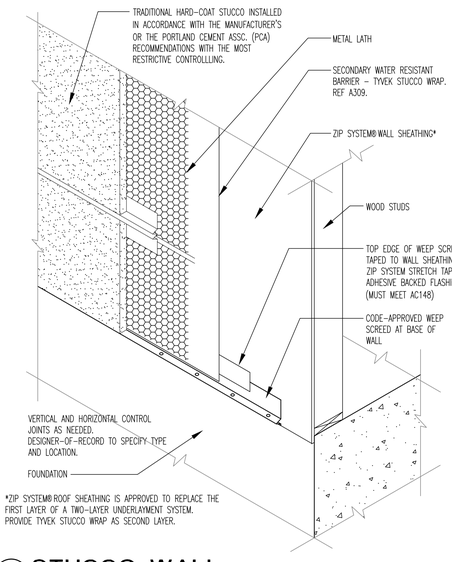
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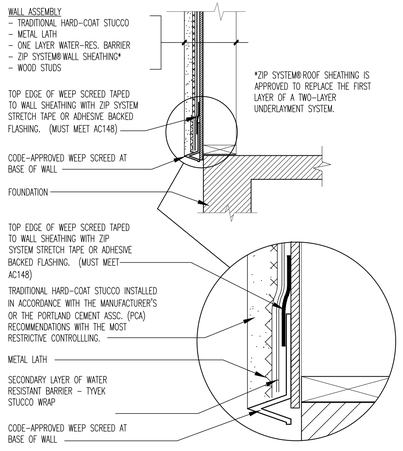
03 BRICK VENEER WALL
SCALE: NTS



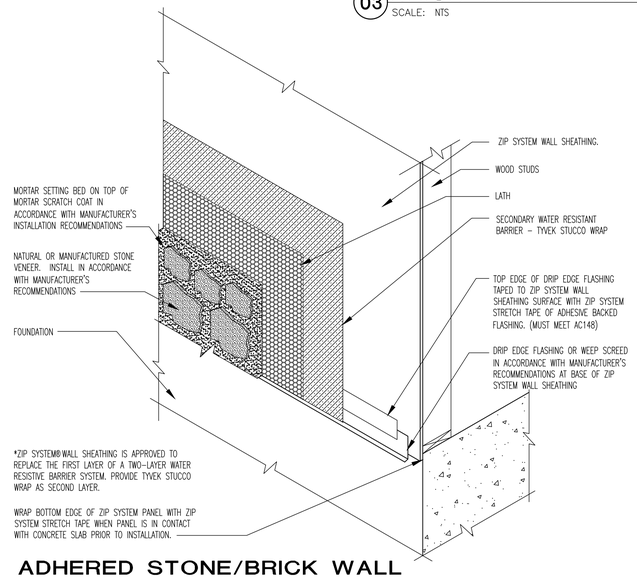
04 WALL AT SLAB
SCALE: 1" = 1'–0"



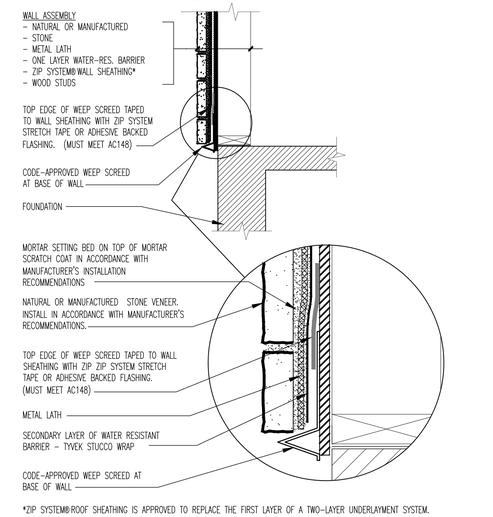
05 STUCCO WALL
SCALE: NTS



06 STUCCO WALL AT SLAB
SCALE: 1" = 1'–0"



ADHERED STONE/BRICK WALL AT SLAB ON GRADE
SCALE: NTS



08 ADHERED STONE WALL AT SLAB
SCALE: 1" = 1'–0"

EXTERIOR WALL SHEATHING/WEATHER BARRIER SYSTEM - NOTES

ZIP System® Sheathing Installation on Walls

Overview:
ZIP System Roof & Wall sheathing is composed of ZIP System panels and ZIP System seam sealing tape. ZIP System® Roof & Wall Sheathing panels should be fully installed before the seam sealing tape is applied. The following installation steps are presented as a general outline of the installation process. These are manufacturer installation recommendations – please visit zipsystem.com for a library of flashing and installation details. You are fully and solely responsible for all safety requirements. Good construction and safety practices should be followed at all times.

Step 1.
Install ZIP System Roof & Wall sheathing panels positioned with the water–resistive barrier facing outside. The panels may be installed with the long side of the panel oriented either horizontally or vertically to the framing members. Walls that are designed to resist lateral shear forces and sheathed with wood structural panels typically require solid framing or blocking behind all panel edges. If oriented horizontally, block horizontal joints if wall is designed for bracing or as a shear wall.

Step 2.
Fasten the panels to the framing members with code approved fasteners. Space fasteners 6" o.c. along supported edges and 12" o.c. at intermediate supports, unless otherwise specified by local code or the designer of record. It is the responsibility of the general contractor to verify proper fastener type and spacing prior to installation. Apply the fasteners 3/8" from the ends and corners. An ideal installation would be where fastener heads are flush with the panel surface. However, due to variations in materials and limitations on equipment, this may be difficult to achieve in some situations. It is not required to tape over overdriven fasteners unless the fastener head creates a hole through the entire panel thickness. Please see the technical tip "Overdriven Fasteners in Zip System Roof and Wall Sheathing," on zipsystem.com for more information.

ZIP System™ Tape Installation – Wall Panel Seams

Apply ZIP System tape after all ZIP System Roof & Wall sheathing panels are fully fastened to wall–framing members. Only ZIP System tape should be used to seal the seams of ZIP System panels. Ensure that the panel surface is dry and free of sawdust and dirt prior to taping. ZIP System tape is a contact tape that requires pressure for an adequate seal.

Step 1.
Tape all seams using ZIP System tape & beginning at the bottom of the wall. Ensure that the tape is centered over the seam within +/– 1/2" to provide adequate coverage and that wrinkles in tape are minimal. Use the ZIP System tape gun or roller to apply pressure to the tape and smooth out any wrinkles.

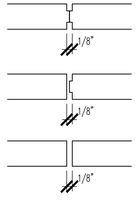
Step 2.
Wherever tape splices occur at a horizontal or vertical seam, create an overlapping splice of at least 3". At T–joints, the tape pieces should overlap by at least 1". Upper tape should always lap over lower tape. Apply moderate pressure onto the surface of the tape to ensure a secure bond between the panel and the tape. Use the ZIP System tape gun or roller to apply pressure to the tape and smooth out any wrinkles. Take special care to remove any voids and/or trapped air at splice areas and T–joints.

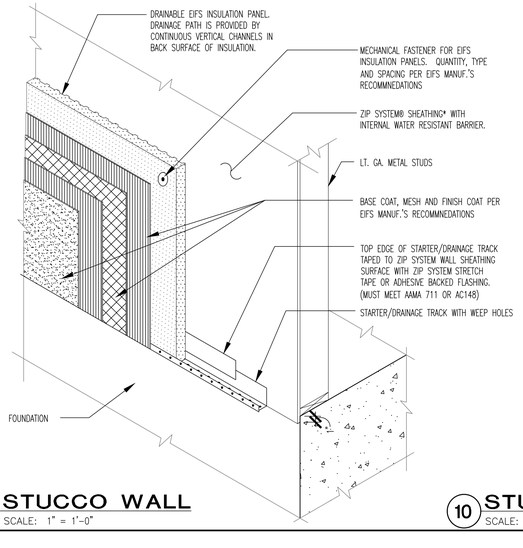
Step 3. Tape inside and outside corner seams.

8' Panel Edges
The unique edge profile is designed to accommodate incremental panel expansion and does not require manual gapping along the 8' edges.*

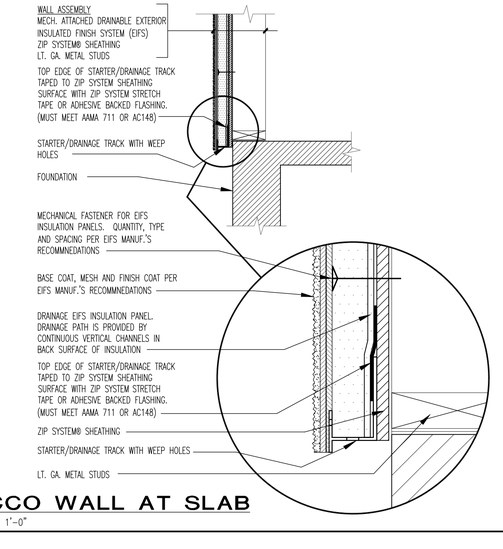
8' and 4' Panel Edges
Maintain 1/8" space where 8' panel edges meet 4' panel edges. Unique edge profile does not provide the full 1/8" recommended space for this condition.

4' Panel Edges
Maintain 1/8" space where 4' edges meet. Unique edge profile is on 8' edges only.*





09 STUCCO WALL
SCALE: 1" = 1'–0"



10 STUCCO WALL AT SLAB
SCALE: 1" = 1'–0"

REV:	DESCRIPTION	BY	DATE

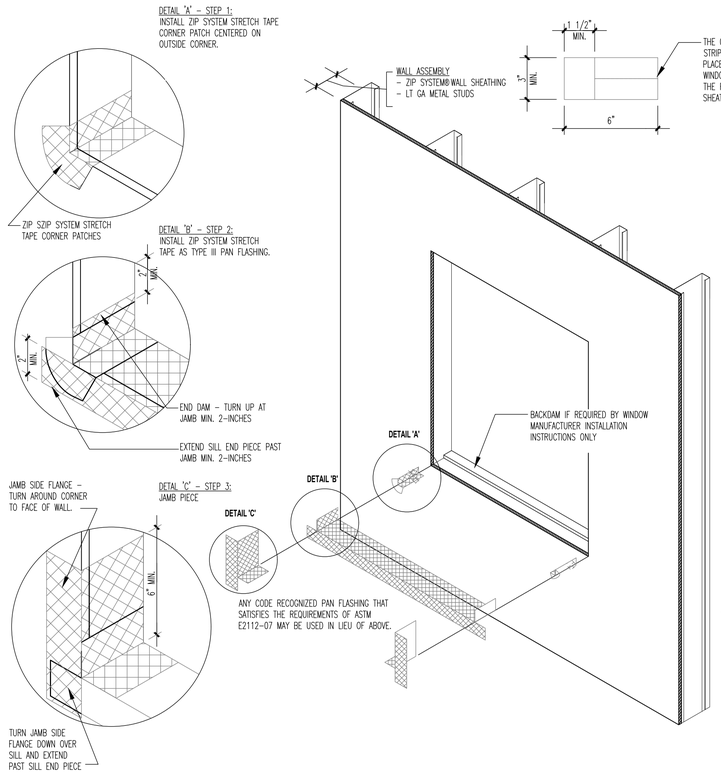
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ENGINEERING: CA32769

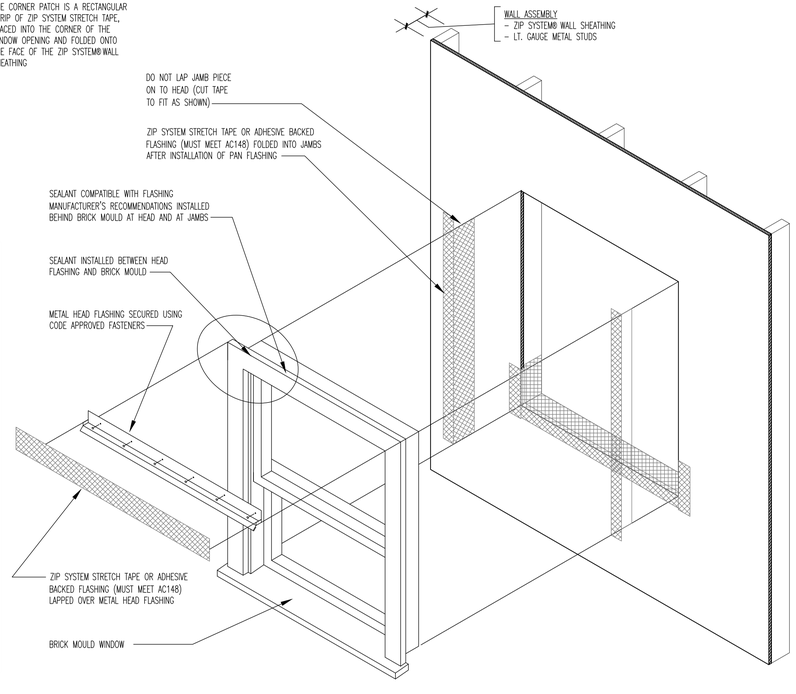
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BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619
TYP. EXT. WALL SHEATHING/W.R.B. DETAILS

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY: KNB
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

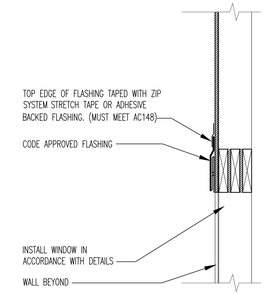
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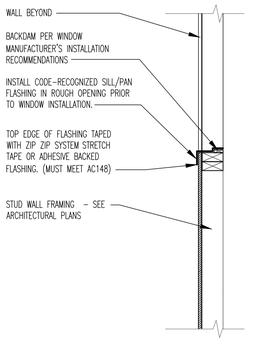
01 WINDOW FLASHING - 6" TAPE
SCALE: NTS



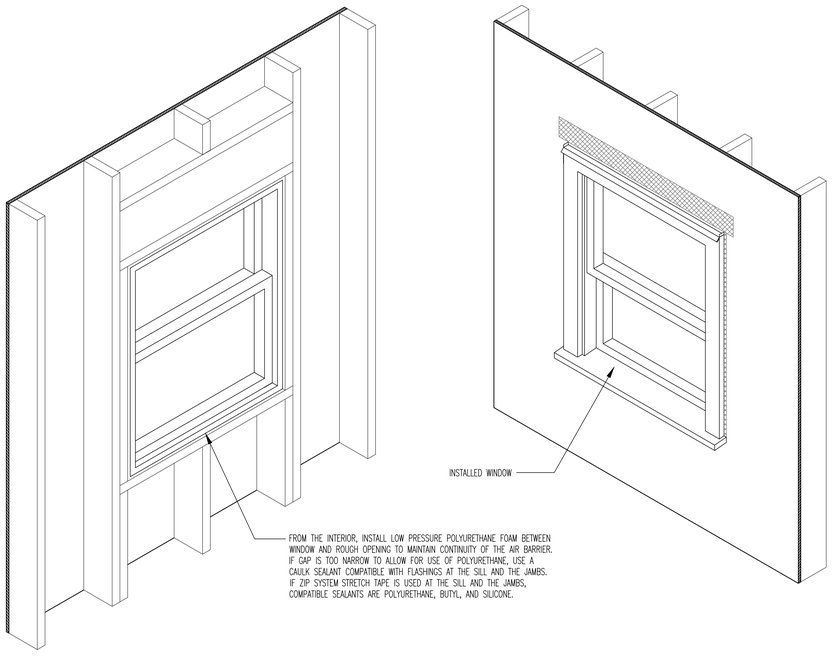
02 TYP BRICK MOLD WINDOW FLASHING
SCALE: NTS



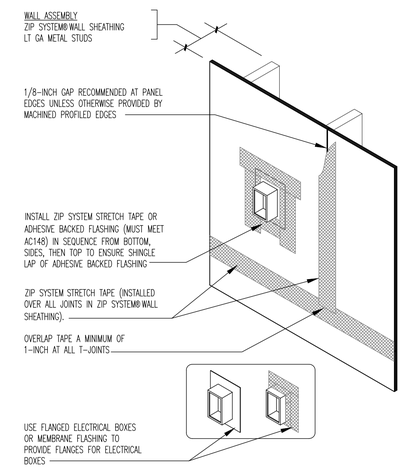
03 TYPICAL WINDOW HEAD
SCALE: 1" = 1'-0"



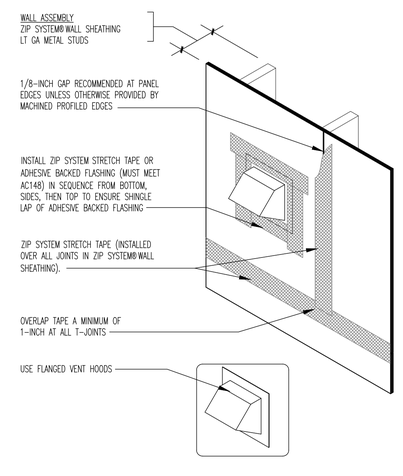
04 TYPICAL WINDOW SILL
SCALE: 1" = 1'-0"



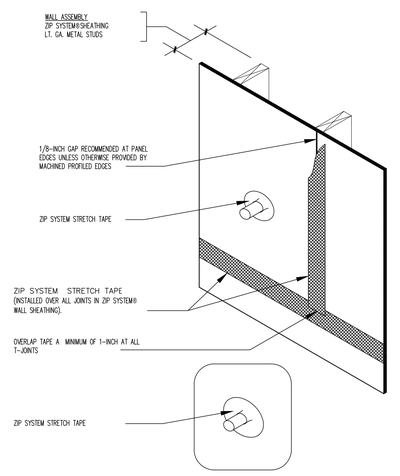
05 TYPICAL WINDOW SEALING
SCALE: NTS



06 TYP WALL AT ELEC PENETRATION
SCALE: NTS



07 TYP WALL AT MECH PENETRATION
SCALE: NTS



*FOR MORE FLASHING OPTIONS, SEE RELATED ZIP SYSTEM® LIQUID FLASHING DETAILS

08 TYP WALL AT ROUND PENETRATION
SCALE: NTS

REV.	DESCRIPTION	BY	DATE

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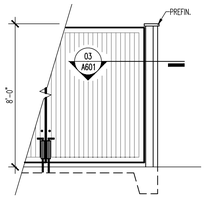
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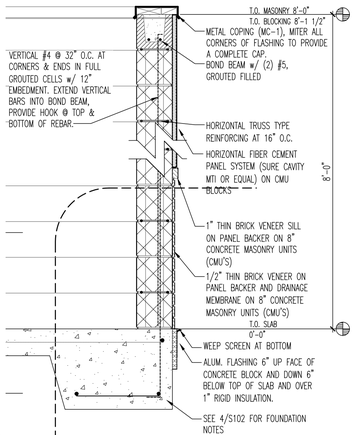
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REVIEWED BY: SJV
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SCALE: AS NOTED

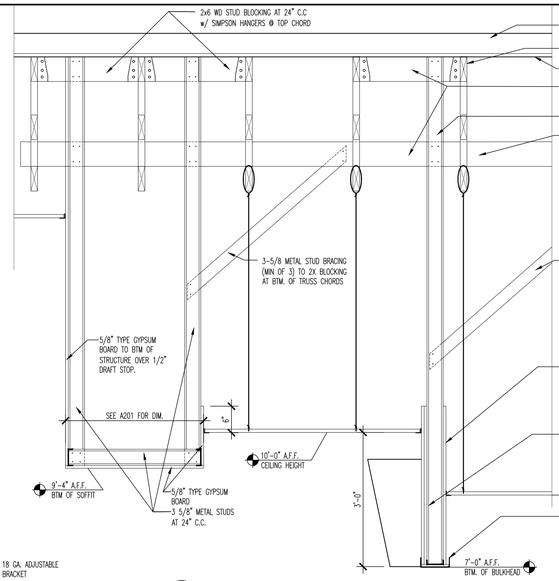
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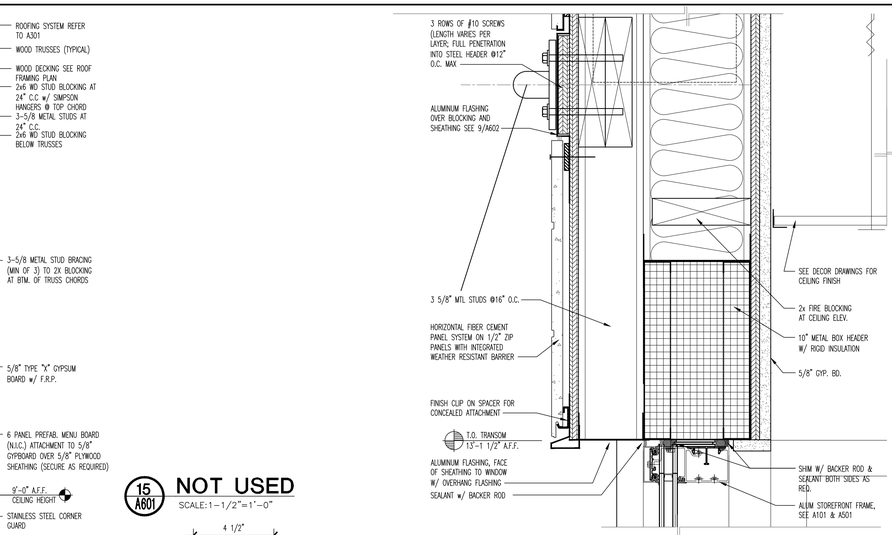
1 A601 GATE ELEVATION
SCALE: 1/4"=1'-0"



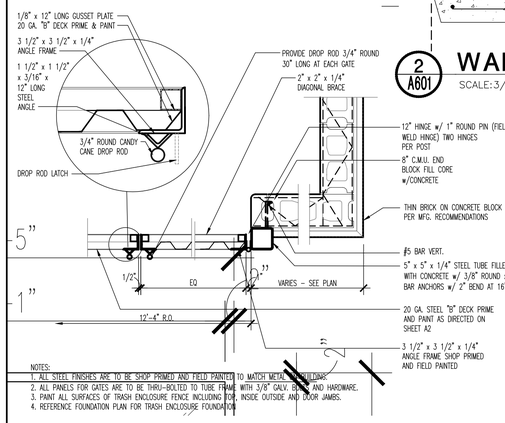
2 A601 WALL SECTION
SCALE:3/4"=1'-0"



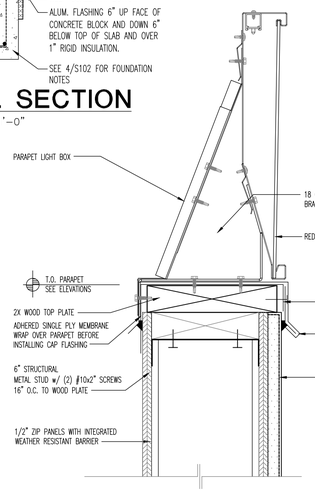
8 A601 MENU BOARD SECTION
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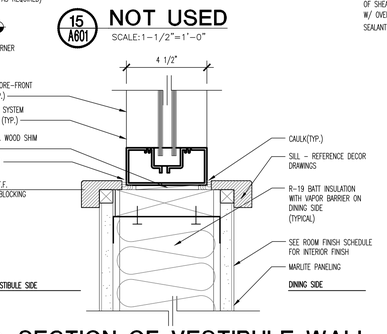
12 A601 SECTION DETAIL
SCALE: 3"=1'-0"



3 A601 PARTIAL PLAN AT TRASH ENCLOSURE GATE
SCALE: 3/4"=1'-0"

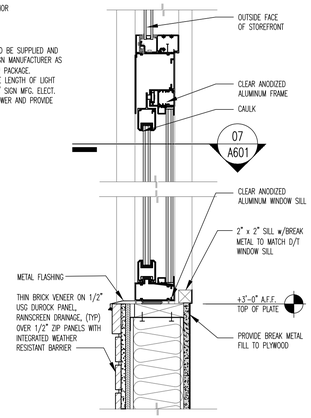


5 A601 PARAPET DETAIL
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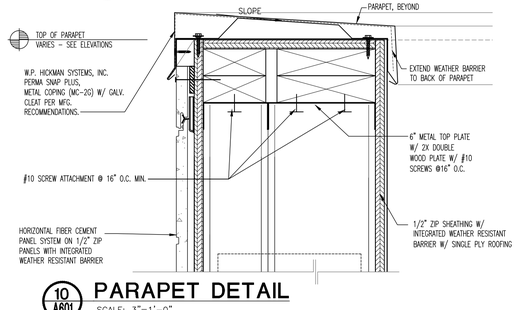


15 A601 NOT USED
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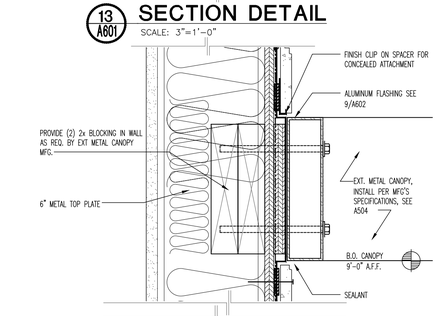
9 A601 SECTION OF VESTIBULE WALL
SCALE: 3"=1'-0"



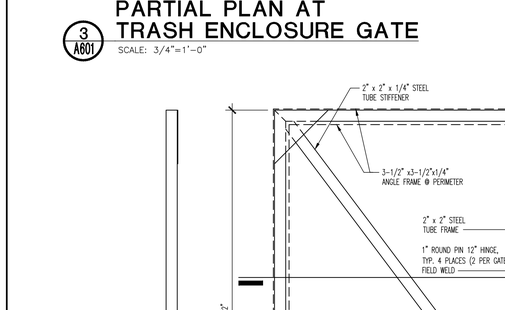
6 A601 DRIVE-THRU WINDOW MOUNTING DETAIL
SCALE:1-1/2"=1'-0"



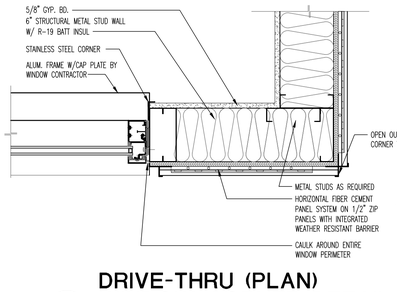
10 A601 PARAPET DETAIL
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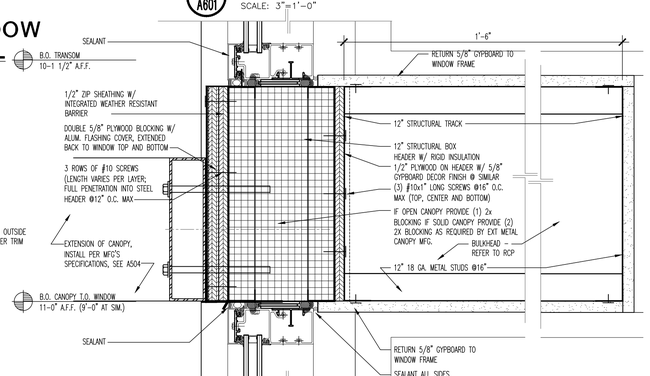
13 A601 SECTION DETAIL
SCALE: 3"=1'-0"



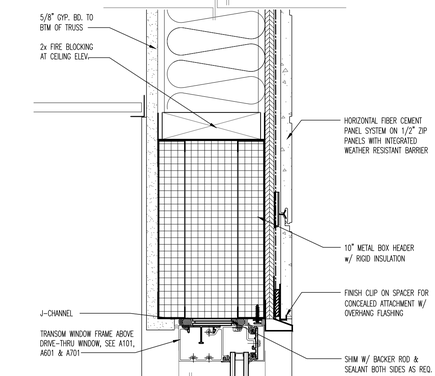
4 A601 TRASH ENCLOSURE PARTIAL GATE SECTION
SCALE: 3/4"=1'-0"



7 A601 DRIVE-THRU (PLAN) WINDOW CORNER DETAIL
SCALE:1 1/2"=1'-0"



11 A601 SECTION DETAIL
SCALE: 3"=1'-0"



14 A601 DRIVE-THRU WINDOW HEAD DTL
SCALE: 3"=1'-0"

REV.	DESCRIPTION	BY	DATE

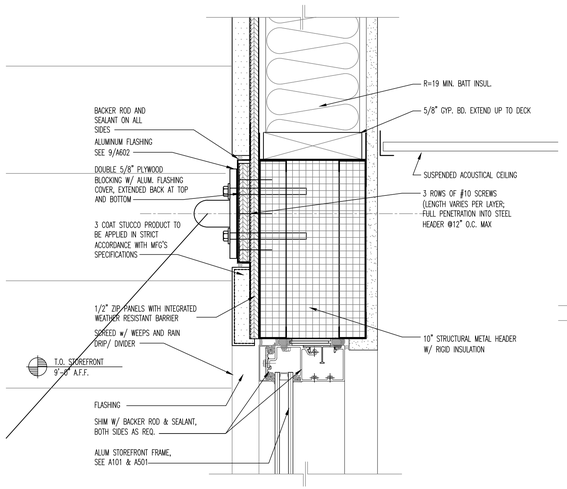
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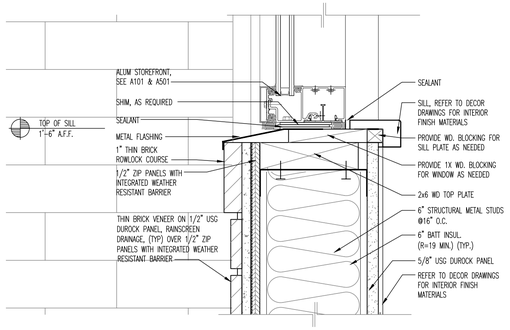
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DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

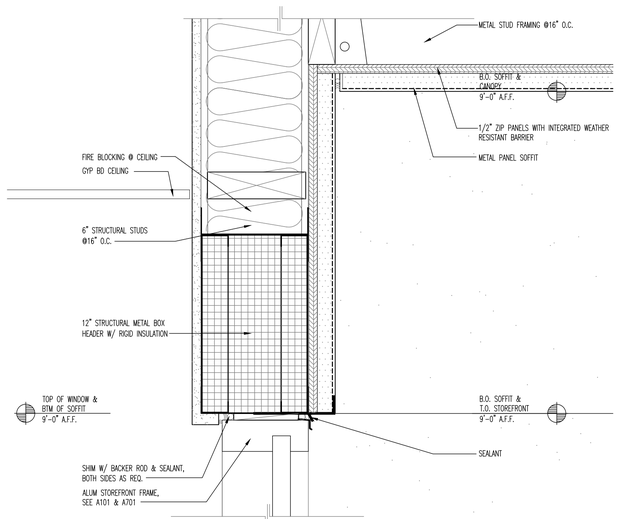
A601



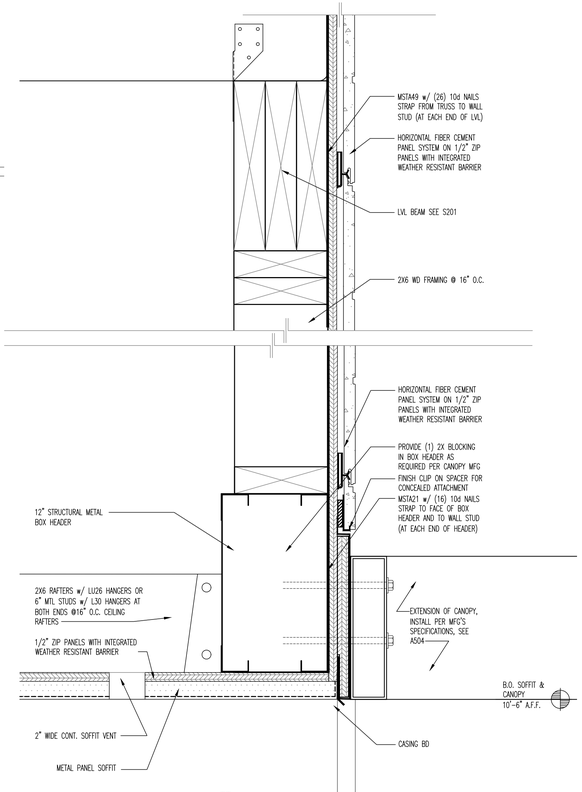
1 A602 **EXT. TRANSOM HEAD DTL.**
SCALE: 3"=1'-0"



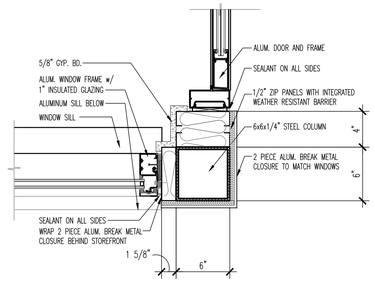
2 A602 **EXT. WINDOW SILL DTL.**
SCALE: 3"=1'-0"



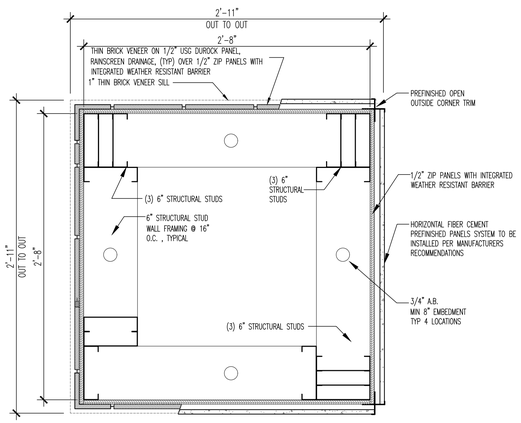
3 A602 **ENTRY DOOR 001A HEAD DTL.**
SCALE: 3"=1'-0"



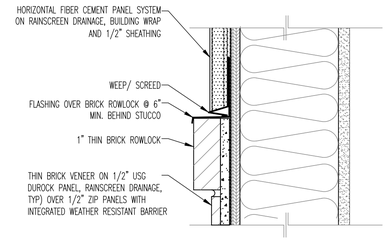
4 A602 **SECTION DTL**
SCALE: 3"=1'-0"



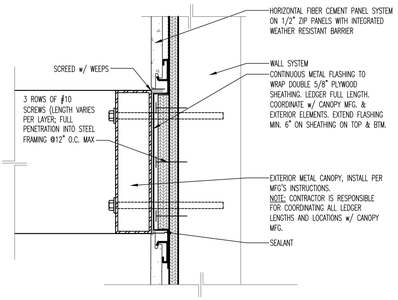
6 A602 **PLAN DETAIL**
SCALE: 1 1/2"=1'-0"



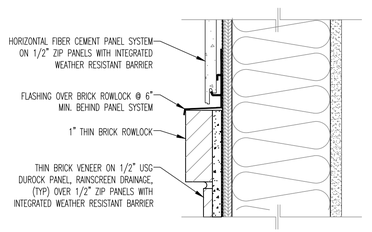
7 A602 **COLUMN DETAIL AT CORNER**
SCALE:1 1/2"=1'-0"



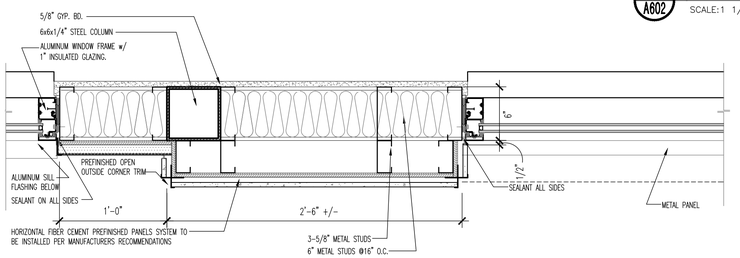
8 A602 **BRICK SECTION AT ROWLOCK**
SCALE:3"=1'-0"



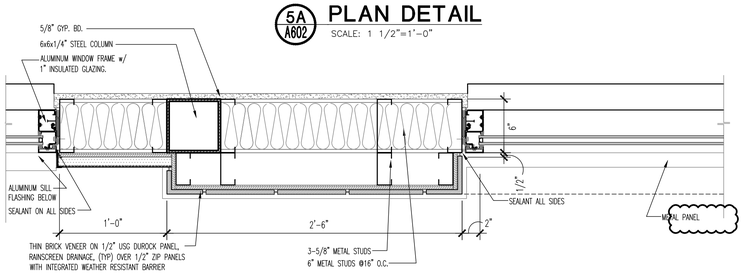
9 A602 **CANOPY MOUNTING DETAIL**
SCALE:3"=1'-0"



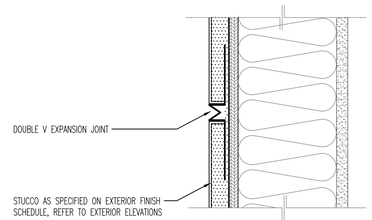
10 A602 **BRICK SECTION AT ROWLOCK**
SCALE:3"=1'-0"



5A A602 **PLAN DETAIL**
SCALE: 1 1/2"=1'-0"



5B A602 **PLAN DETAIL**
SCALE: 1 1/2"=1'-0"



11 A602 **STUCCO CONTROL DETAIL**
SCALE: 3"=1'-0"

REV.	DESCRIPTION	BY	DATE

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EXTERIOR DETAILS

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY: KNB
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

A602

ROOM FINISH SCHEDULE

No.	NAME	BASE	FLOOR	WALL	CEILING		REMARKS
					MATL	HEIGHT	
001	VESTIBULE	CT	CT	MARLITE ON GYP. BOARD	GYP BD	10'-0"	2
002	DINING ROOM	CT	CT/CT	MARLITE WAINSCOT, PT. GYP. BOARD	ACT-1/ ACT-2	14'-0"	2, 3
003	CUSTOMER PICKUP	CT	CT	MARLITE WAINSCOT, PT. GYP. BOARD	ACT-1	14'-0"	2
004	SERVING AREA	QT	QT	CTON DUROCK, PAINT GYP. BOARD	ACT-2	10'-0"	2
005	DRIVE THRU	QT	QT	NOTE 1	ACT-2	9'-0"	
006	KITCHEN	QT	QT	NOTE 1	ACT-2	9'-0"	
007	DRIVE THRU	QT	QT	NOTE 1	ACT-2	9'-0"	
008	STORAGE AREA	QT	QT	NOTE 1	ACT-2	9'-0"	
009	ALCOVE	QT	QT	NOTE 1	ACT-2	9'-0"	
010	EMPLOYEE ALCOVE	QT	QT	NOTE 1	ACT-2	9'-0"	
011	COOLER						
012	FREEZER						
013	STORAGE	QT	QT	NOTE 1	ACT-2	9'-0"	
014	OFFICE	QT	QT	NOTE 1	ACT-2	8'-6"	
015	WOMEN'S	CT	CT	CTON DUROCK	GYP BD	9'-0"	PAINTED CEILING, 2
016	HALL	CT	CT	MARLITE WAINSCOT, PT. GYP. BOARD	ACT-1	10'-0"	2
017	MEN'S	CT	CT	CTON DUROCK	GYP BD	9'-0"	PAINTED CEILING,2
018	TRASH ENCLOSURE	NONE	CONC	PAINTED CONC. BLOCK, (EP 2)	NONE	-	
019	STORAGE	NONE	CONC	PAINTED CONC. BLOCK, (EP 2)	NONE	-	

NOTE

1	FRP (COLOR: ALMOND) ON DUROCK TO 1'-4", ON GYP BOARD FROM 1'-4" TO CEILING , ON KITCHEN SHEAR WALLS, DRYWALL CAN BE ELIMINATED, FRP ON PLYWOOD
2	SEE DECOR DRAWINGS FOR INTERIOR FINISHES AND COLORS
3	PROVIDE WASHABLE CEILING TILE OVER DRINK STATION
4	PAINTED 1/2" PLYWOOD CEILING, EP2

2021-0194

DOOR SCHEDULE NOTES

1. PACKAGE AVAILABLE FROM UNIVERSAL MFG. INC.) ALL HARDWARE MUST COMPLY TO THE ADA & STATE BARRIER FREE REQUIREMENTS.
2. CONTRACTOR SHALL PROVIDE PANIC HARDWARE ON ALL EXIT DOORS.
3. SIGN PACKAGE TO INCLUDE THE FOLLOWING: (1) KITCHEN, (1) LADIES', (1) GENTLEMEN, (1) UNISEX RESTROOMS, AND CORRESPONDING SIGNAGE IN GRADE 2 BRAILLE PER A.D.A. REQUIREMENTS. SIGNS TO BE FURNISHED BY DECOR SUPPLIER AND INSTALLED BY THE GENERAL CONTRACTOR.
4. H.M. DOOR & FRAME SHALL BE PAINTED WITH GLOSS QUICK DRY EXTERIOR ENAMEL, COLOR: TO MATCH EP 4. (EXTERIOR)
5. H.M. DOOR & FRAME SHALL BE PAINTED WITH GLOSS QUICK DRY EXTERIOR LOW LUSTER ALKYD, COLOR: TO MATCH EP 4. (INTERIOR)
6. PROVIDE MARLITE SOLID CORE HPL DOORS WITH ALUMINUM FRAMES FINISHED IN WILSONART #4779-60 PEWTER BRUSH WITH ACCENT STRIPES TO MATCH DOOR FINISH.
7. ALL GLASS WITHIN 48" OF ANY DOOR SHALL BE TEMPERED GLASS.
8. ALL HPL DOORS TO BE SOLID CORE.
9. ALUM. KICKPLATES ARE MOUNTED FLUSH TO THE BOTTOM OF THE DOORS.
10. VERIFY LAMINATE COLORS WITH DECOR PLANS.
11. ALL DOOR CLOSERS SHALL BE LOCATED IN THE INTERIOR DOOR SIDE OF THE ROOM THAT THEY SERVE.
12. VERIFY THE COLOR SELECTIONS w/THE DECOR PLANS / OWNER
13. DOOR NUMBER 009 WITH FRAME AND HARDWARE IS TO BE PURCHASED AS A PACKAGE FROM ENTERA SECURITY DOORS UNIT (DU3307CRCMFED PHONE NUMBER 800-457-2424 EXT. 696.
    THE PACKAGE INCLUDES: (2) 1-3/4" X 3'-0" X 7'-0" AMWELD HOLLOW METAL DOOR WITH GALVANIZED 16 GAUGE STEEL SKIN WITH TOP & BOTTOM CHANNEL REINFORCEMENT.
    THE FRAME SHALL BE 14 GAUGE GALVANIZED STEEL.
    THE DOOR SHALL HAVE: 6" X 6" LEXAN WINDOW WITH FLAP
    PIANO HINGE
    DORMA 7605 DOOR CLOSER (BOTH DOORS)
    STAINLESS STEEL KICKPLATES
    DRIP CAP
    ARROW PANIC HARDWARE w/ CONCEALED VERTICAL RODS AT TOP & BTM
    HAGAR #208 KICK DOWN DOORSTOP
    THE ENTIRE ASSEMBLY SHALL HAVE A 14 MONTH FULL WARRANTY.
    THE DOOR AND FRAME IS TO BE PROVIDED IN DESERT TAN.
    THE CONTRACTOR SHALL REMOVE AND REPLACE THE HARDWARE AND PAINT THE DOOR AS DIRECTED ON SHEET A401 & A402 THEN REPLACE THE DOOR (DOOR/ FRAME SHOULD MEET FLORIDA IMPACT RESISTANCE AS NOTED IN NOTE 14 BELOW)
14. HOLLOW METAL DOORS SHALL BE:
    CECO-IMPERIAL SERIES MEETING FLORIDA FOR IMPACT RESISTANCE STANDARDS WHEN WIND SPEED FOR AREA IS GREATER THAN 140MPH (SEE S202) OR GREATER OR WHEN REQUIRED BY LOCAL AUTHORITIES.
    a.) MESKER DIAMON DOOR SERIES AND PIONEER CHT SERIES ARE APPROVED MFG'S IF MEETING FLORIDA IMPACT RESISTANCE STANDARDS. IF AN ALTERNATE DOOR IS REQUESTED FOR USE BY THE CONTRACTOR, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT CATALOG CUTS OF THE ALTERNATE DOOR TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
15. ALUMINUM DOORS & FRAMES TO HAVE CLEAR ANODIZED FINISH

DOOR HARDWARE SCHEDULE

HARDWARE SET #1 (KA SET 1) – CUSTOMER PICK-up to EXTERIOR

HARDWARE SET #2 (KA SET 1) – DINING TO EXTERIOR

ENTRANCE DOOR HARDWARE SHALL CONSIST OF OFFSET PIVOTS, CRL JACKSON 2085 PUSH PAD CONCEALED VERTICAL ROD EXIT DEVICE WITH TOP LATCH, ONE PAIR OF FLUSH BOLTS (ON INACTIVE LEAF OF PAIRS OF DOORS), NORTON 1605 SURFACE CLOSERS WITH BACK CHECK, 9" CLASSIC STRAIGHT PULLS, IN STAINLESS STEEL AND STANDARD THRESHOLDS.

LOCKS, CYLINDERS, AND THRESHOLDS SHALL BE OMITTED ON INTERIOR VESTIBULE DOORS.
DUMMY CYLINDERS SHALL BE PROVIDED ON THE EXTERIOR OF ALL DOORS EXCEPT AT MAIN ENTRY.

HARDWARE SET #3 (KA SET 2) – REAR SERVICE DOOR
HARDWARE PROVIDED BY DOOR MANUFACTURER
PIANO HINGE (ROTON)
– 1 DOOR VIEWER 6" X 6" LEXAN WINDOW W/FLAP
DORMA 7605 DOOR CLOSER w/ HOLD OPEN (ON BOTH DOORS)
CRL JACKSON 2085 PUSH PAD CONCEALED VERTICAL ROD EXIT DEVICE WITH TOP LATCH (ON OPERABLE DOOR)
HAGER– 4 KICKPLATES 3"–0" X 1"–0" STAINLESS STEEL
HAGER– 2 #208 KICK DOWN DOOR STOP
1 DOOR SILL WEATHERSTRIP #200N
1 DOOR JAMB/HEAD WEATHERSTRIP #160
3 SILENCERS W–07 (PER DOOR)
1 FLUSH–BOLTS – 282 (TOP & BOTTOM)
1 CENTER DOOR ASTRAGAL, DBL. BRUSHED FINISH, BY DOOR SUPPLIER (ON OPERABLE DOOR)
1 DRIP CAP OVER BOTH DOORS

HARDWARE SET #4 – RESTROOM ENTRY
**HAGER– 1–1/2 PAIR BUTT BB 1279 652, 4 1/2" x 4 1/2"
LCN– 1 DOOR CLOSER #1461 ALUMINUM
HAGER– 1 DOOR PULLPLATE 4 X 16 #H33E 628
HAGER– 1 DOOR PUSHPLATE 4 X 16 #30S 628
HAGER– 1 #24F FLOOR STOP US28
HAGER– 2 KICKPLATES 193S, 8 X (2" LESS THAN THE WIDTH OF THE DOOR)
HAGER– 3 SILENCERS 307D, RBR

HARDWARE SET #5 – OFFICE
**HAGER– 1–1/2 PAIR BUTT BB 1279 652, 4 1/2" x 4 1/2"
SCHLAGE– 1 #AL53PD LOCKSET SAT 626
HAGER– 1 #24F FLOOR STOP US28
HAGER– 2 KICKPLATES 193S, 8 X (2" LESS THAN THE WIDTH OF THE DOOR)
HAGER– 3 SILENCERS 307D, RBR

HARDWARE SET #6 – KITCHEN TO DINING ROOM
**HAGER– 3 EACH HAGER: BB1279 4 1/2 x 4 1/2 x 652
LOCKSET– 1 EACH SCHLAGE, AL53PD SAT x 626
CLOSER– 1 EACH LCN 1461 X 689
FLOOR STOP– 1 EACH HAGER 241F x US26D
KICKPLATE– 2 EACH HAGER 193S 10"x2" LDW 628
(INSTALL W/FLAT HEAD PHILLIPS HEAD SCREWS)
SILENCERS– 3 EACH HAGER 307D RBR
VIEWER– SEE DOOR ELEVATION

HARDWARE SET #7 – TOILET STALLS (NOT USED)
**HAGER– 1–1/2 PAIR BUTT T250, 4 1/2" x 4 1/2" x 652 SPRING HINGES
SCHLAGE– 1 #AL40S LOCKSET SAT 626
HAGER– 1 WALL STOP 236W, 630
HAGER– 2 SILENCERS 307D, RBR

HARDWARE SET #8 – DRIVE THRU TO EXTERIOR
SCHLAGE 1 #BC 180 HEAVY DUTY DEADBOLT CYLINDER W/THUMB TURN 260
HAGER 2–DOOR PULLPLATE 4" X 16" #H33E US26 EA SIDE
HAGER 1–1/2 PAIR BUITT BB 1279 652, 4 1/2" x 4 1/2"
LCN 1 DOOR CLOSER #1460 ALUMINUM (VERIFY DOOR HAND)
HAGER 2 KICKPLATES 193S, 8 X (2" LESS THAN THE WIDTH OF THE DOOR) ALUMINUM
HAGER 3 SILENCERS 307D, RBR
1 THRESHOLD #325 ALUMINUM
1 DOOR SILL WEATHERSTRIP #200N
1 DOOR JAMB/HEAD WEATHERSTRIP #160

HARDWARE SET #9 – SECURE STORAGE
**HAGER– 1–1/2 PAIR BUITT BB 1279 652, 4 1/2" x 4 1/2"
SCHLAGE– 1 #AL70 PD LOCKSET SAT 626
HAGER– 1 #24F FLOOR STOP US28
HAGER– 2 KICKPLATES 193S, 8 X (2" LESS THAN THE WIDTH OF THE DOOR)
HAGER– 3 SILENCERS 307D, RBR

HARDWARE SET #10 – TRASH ENCLOSURE
HAGER– 1–1/2 PAIR BUITT BB 1279 652, 4 1/2" x 4 1/2"
SCHLAGE– 1 #ALBO PD LOCKSET SAT 626
HAGER– 2 KICKPLATES 193S, 8 X (2" LESS THAN THE WIDTH OF THE DOOR) ALUMINUM
LCN– 1 DOOR CLOSER #1461 ALUMINUM
1 THRESHOLD #613 ALUMINUM
1 DOOR SILL WEATHERSTRIP #200N
1 DOOR JAMB/HEAD WEATHERSTRIP #160
3 SILENCERS W–07

HARDWARE NOTES
1. **IF MARLITE BRAND DOORS ARE USED, BUTT HINGES ARE PROVIDED.
2. FURNISH 6 KEYS FOR KA SET 1.
   FURNISH 6 KEYS FOR KA SET 2.
   FURNISH 3 KEYS EACH FOR ALL OTHER LOCKS.
3. WEATHERSTRIPPING:
   METAL THRESHOLDS: ANCHORED TO FLOOR AND SET IN BED OF THIOKOL COMPOUND.
4. EXTERIOR DOORS: PROVIDE WEATHERSTRIPPING ALL AROUND WITH SWEEP.
5. MISCELLANEOUS: PROVIDE ALUMINUM ENTRANCE DOORS WITH WEATHERSTRIP AND SWEEP BY DOOR MANUFACTURER.

INTERIOR FINISH NOTES

1. ALL INTERIOR FINISH MATERIALS (PLYWOOD, TRIM, CEILING TILE, STONE, FRP, ETC.) SHALL HAVE MINIMUM FLAME SPREAD RATING OF CLASS "C", WITH A SMOKE DEVELOPMENT OF LESS THAN 450, (CLASS "A" WITH SMOKE DEVELOPMENT OF LESS THAN 450 AT ALL CORRIDORS AND ALL EXIT ENCLOSURES). ALL PRODUCTS USED MUST PROVIDE WRITTEN DOCUMENTATION OR BE STAMPED ON THE BACK SIDE OF THE PRODUCT BY THE MANUFACTURER.
2. IN CONJUNCTION WITH THE MATERIALS, ALL FINISHES,IE PAINTS, STAINS, AND COATINGS ETC. SHALL HAVE A MINIMUM FLAME SPREAD RATING AND SMOKE DEVELOPMENT OF NOT LESS THAN THAT REQUIRED IN NOTE 1 ABOVE.
3. ALL FLOOR FINISHES SHALL HAVE A CLASS I OR CLASS II RATING.
4. ALL FINISHES SHALL COMPLY IN ACCORDANCE WITH THE NFPA 286 OR ASTM E–84, LATEST EDITION.

(REFER TO DIRECTORY OF MANUFACTURERS AND SUPPLIERS). THIS IS A STANDARD MATERIALS LIST VERIFY ALL MATERIALS PRIOR TO ORDERING SECTION AND COLORS WITH DECOR DRAWINGS AND OWNER

INTERIOR FINISH MATERIALS LIST

* FLOOR TILE:
SEE DECOR DRAWINGS FOR FLOOR TILE PATTERN & SPECIFICATIONS

QUARRY TILE:
SEE DECOR DRAWINGS FOR FLOOR TILE PATTERN & SPECIFICATIONS

CERAMIC TILE
–RESTROOM–
SEE DECOR DRAWINGS FOR WALL TILE PATTERN & SPECIFICATIONS

CARPET #1– NOT USED

CERAMIC TILE
– WALLS –
SEE DECOR DRAWINGS FOR TILE PATTERN & SPECIFICATIONS

WALL PANELING
– DINING, CORRIDOR, PICKUP/SERVING & CREW ROOM –
MARLITE OR PLASTIC LAMINATE BELOW SILL, VINYL WALL COVERING ABOVE. SEE DECOR DRAWINGS.
TYPE AND COLOR AS PER DECOR DRAWINGS.
– KITCHEN/STORAGE, OFFICE, & CREW ROOM –
F.R.P. – MARLITE BRAND F.R.P. BY MARLITE ARCHITECTURAL PRODUCTS. COLOR (ALMOND)

WALL COVERING/PAINTED FINISH
– DINING, CORRIDOR, PICKUP/SERVING –
SEE DECOR DRAWINGS FOR WALL COVERING SPECIFICATIONS

GYPSUM BOARD 1
5/8" TYPE "X" GYPSUM BOARD.

GYPSUM BOARD 2
5/8" WATER–RESISTANT TYPE "X" GYPSUM BOARD.

GYPSUM BOARD 3
1/2" THICK "DUROCK" TILE BACKING BOARD TO 3 FEET HIGH AS MANUFACTURED BY U.S. GYPSUM COMPANY.
OR
7/16" THICK "WONDER BOARD" TO 3 FEET HIGH AS MANUF. BY O.E.I. CORP. AND 1/2" WATER–RESISTANT TYPE "X" GYPSUM BOARD FROM 3 FEET HIGH TO CEILING.

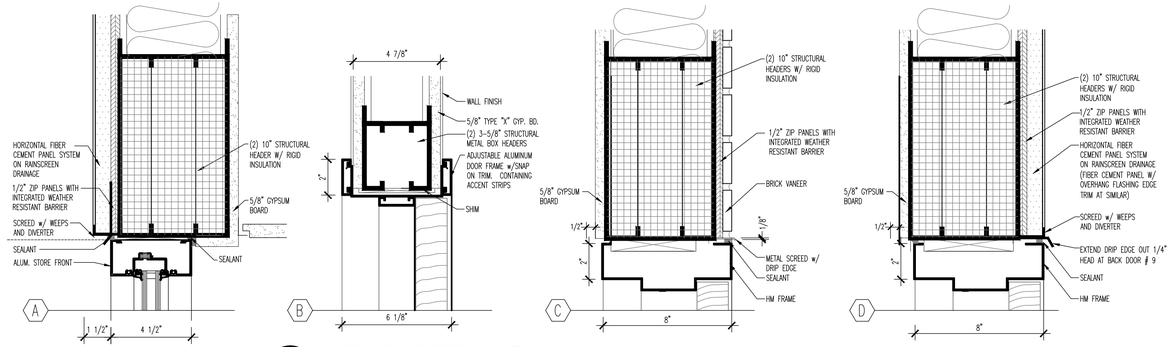
**INTERIOR DRYWALL SHALL BE A MEDIUM TO HEAVY TEXTURE FINISH ON DRYWALL

CHAIR RAIL – SOLID SURFACE SEE DECOR DRAWINGS.

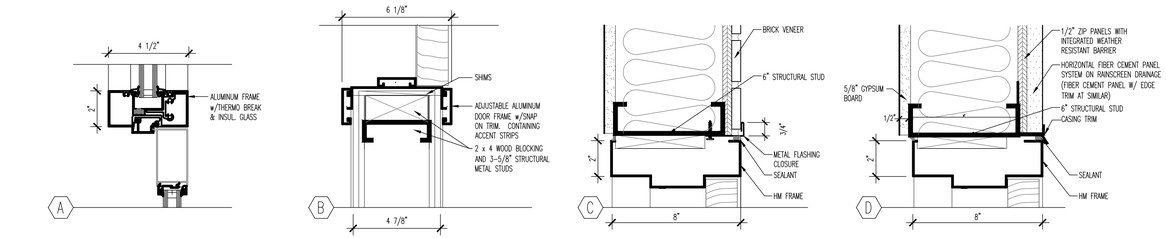
CEILING TILE
ACOUSTICAL TILE 1
– DINING ROOM/CORRIDOR/CUSTOMER PICKUP –
ARMSTRONG #770 CORTEGA w/ SEPIA GRID (2'x2'x3/4") FINE FISSURED (NOT FIRE RATED) OR APPROVED EQUAL.

ACOUSTICAL TILE 2
– KITCHEN, STORAGE, OFFICE, CREW, DRINK STATION –
USG 24x48x5/8 GYPSUM CEILING TILES #3270 (STIPPLE DESIGN, WASHABLE) TO BE LAID IN EXPOSED WHITE ALUMINUM TEE GRID (NOT FIRE RATED) PROVIDE 2'X2' AT SERVING AND DRINK STATION

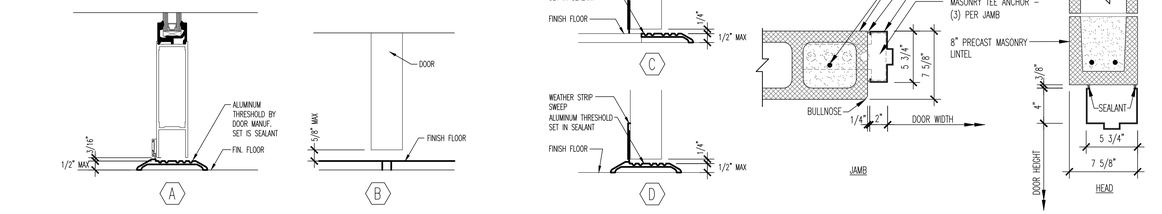
* FLOOR TILE INSTALLATION:
CLEAN SLAB, REMOVE DUST, AND MECHANICALLY REMOVE CURING COMPOUND AND SEALERS TO INSURE PROPER BONDING OF THINSET. USE "MULTIPURPOSE" TYPE THIN SET – MINIMUM.



1 A701 **HEAD DETAILS**
SCALE: 3"=1'–0"



2 A701 **JAMB DETAILS**
SCALE: 3"=1'–0"



3 A701 **SILL DETAILS**
SCALE: 3"=1'–0"

4 A701 **FRAME DETAIL E**
SCALE: 1–1/2" = 1'–0"

DOOR SCHEDULE

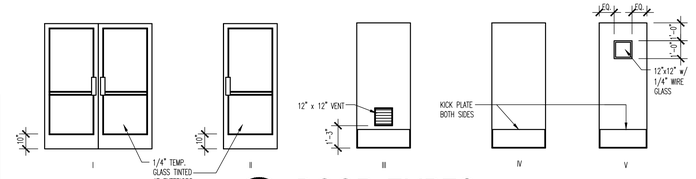
MARK	DOOR					FRAME		DETAILS			HARDWARE	SEALS	REMARKS
	TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	HEAD	SILL	JAMB			
001A	I	ALUM	(2) 3'-0"	7'-0"	1-3/4"	A	ALUM	A(SIM)	A	A(SIM)	2	W	NOTE: 2,15
001B	I	ALUM	(2) 3'-0"	7'-0"	1-3/4"	B	ALUM	A(SIM)		A(SIM)	2		NOTE: 15
002	II	ALUM	3'-0"	7'-0"	1-3/4"	A	ALUM	A	A	A(SIM)	2	W	NOTE: 2, 15
004	VIII	HPL	3'-0"	6'-8"	1-3/4"	C	ALUM	B	B	B	6		NOTE: 3,6,8,12
005	V	HM	3'-0"	6'-8"	1-3/4"	D	HM	D (SIM)	C	D (SIM)	8	W	NOTE: 4,5,14
007	V	HM	3'-0"	6'-8"	1-3/4"	D	HM	D (SIM)	C	D (SIM)	8	W	NOTE: 4,5,14
009	VI	HM	(2) 3'-0"	6'-8"	1-3/4"	C	HM	D	C	D	3	W	NOTE: 2,4,5,13,14
014	VII	HPL	3'-0"	6'-8"	1-3/4"	C	ALUM	B	B	B	5		NOTE: 6,8,12
015	IV	HPL	3'-0"	6'-8"	1-3/4"	C	ALUM	B	B	B	4		NOTE: 3,6,8,12
017	IV	HPL	3'-0"	6'-8"	1-3/4"	C	ALUM	B	B	B	4		NOTE: 3,6,8,12
018		CL											GATE SEE 1/A601
019	III	HM	3'-0"	7'-0"	1-3/4"	E	HM	4/A701	4/A701	A(SIM)	10	W	NOTE: 4,5,9,14

2021-0194

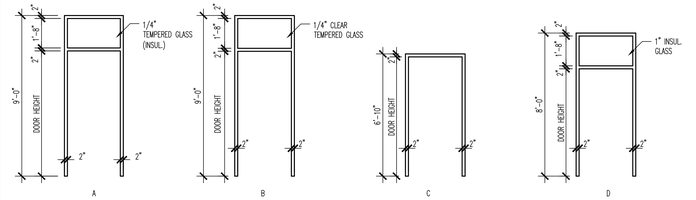
ALUMINUM WINDOW & EXTERIOR DOOR NOTES

1. CLEAR ANODIZED ALUMINUM STOREFRONT FRAMING, KAWNEER TRIFAB 451 W/ 1" INSULATED GLAZED SYSTEM, AND ALUMINUM ENTRY DOORS MEETING FLORIDA IMPACT RESISTANCE STANDARDS OR EQUAL (TYP). WHERE WIND SPEED FOR AREA IS 150 mph (SEE S202) OR GREATER OR WHEN REQUIRED BY LOCAL AUTHORITIES.
2. INSULATED GLASS TO BE 1/4" HEAT STRENGTHENED OUTER LITE AND (2) 1/8" LAMINATED W/ 0.09 FILM INNER LITE (HEAT STRENGTHENED) MEETING REQUIREMENTS OF ASTM E1996 FOR WIND BORNE DEBRIS REGION (WBDR) REQUIREMENTS. PPG SOLAR BAN 60(2)/SOLARGRAY LOW–E OR EQUAL. WHERE WIND SPEED FOR AREA IS 150 mph (SEE S202) OR GREATER OR WHEN REQUIRED BY LOCAL AUTHORITIES.
3. HOLLOW METAL DOOR AND FRAMES (CECO IMPERIAL SERIES) TO MEET FLORIDA IMPACT RESISTANCE STANDARDS WHEN WIND SPEED FOR AREA IS 150 MPH (SEE S202) OR GREATER OR WHEN REQUIRED BY LOCAL AUTHORITIES.
4. PROVIDE SYSTEM WITH U=0.40 AND SHGC=0.25
5. WINDOW AND DOOR FRAMING TO BE CAPABLE OF RESISTING WIND LOADS AS NOTED ON S202.
6. PROVIDE DRIP CAP ON ALL WINDOW SILLS

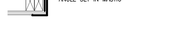
NOTE: SEE G201 FOR FLORIDA APPROVED NUMBERS



5 A701 **DOOR TYPES**
SCALE: 1/4"=1'–0"



6 A701 **FRAME TYPES**
SCALE: 1/4"=1'–0"



7 A701 **CORNER GUARD**
SCALE: 1"=1'–0"

REV.	DESCRIPTION	BY	DATE
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JONES PETRINSKI RAFINSKI
South Bend, IN p. 574.233.4388
Elkhart, IN p. 574.293.7762
ENGINEERING: CA32769
For Wayne, IN p. 260.422.2522
ARCHITECTURAL: AA26001736

BURGER KING - #
13721 U.S. HIGHWAY 441 SOUTH
LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

ROOM FINISH & DOOR SCHEDULES

DESIGNED BY:
REVIEWED BY: SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

A701

FACILITYCONCEPTS

GENERAL NOTES:

THIS DRAWING SET IS BASED ON INFORMATION FURNISHED TO FACILITY CONCEPTS, INC., ARCHITECTURAL DESIGN AND ENGINEERING PROVIDED BY THE OWNER. THE GENERAL CONTRACTOR SHALL CONSIDER ALL INFORMATION ON THIS DRAWING AND SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES DISCOVERED PRIOR TO COMMENCING WORK.

BUILDING DIMENSIONS ARE SUBJECT TO VERIFICATION. VERIFY ALL "VIF" NOTED DIMENSIONS PRIOR TO MANUFACTURING SEATING, FIXTURES AND/OR DECOR. ALL ITEMS ARE SUBJECT TO CHANGE PENDING VERIFICATION OF FIELD DIMENSIONS.

THE DIVIDER WALL AND SOFFIT LOCATIONS (IF APPLICABLE) AS SHOWN ON THESE DRAWINGS ARE BASED ON THE ARCHITECTURAL DRAWINGS RECEIVED BY FACILITY CONCEPTS, INC. IT IS THE RESPONSIBILITY OF THE G.C. TO VERIFY THE INTERIOR DIMENSIONS SHOWN ON THIS PLAN TO BE ACCURATE PRIOR TO BUILDING ANY DIVIDER WALLS OR SOFFITS. IF DIMENSIONS ON THIS DRAWING ARE NOT ACCURATE IN COMPARISON TO FIELD MEASUREMENTS, PLEASE CONTACT YOUR FACILITY CONCEPTS, INC. REPRESENTATIVE IMMEDIATELY.

FACILITY CONCEPTS, INC. CANNOT BE HELD RESPONSIBLE FOR DIVIDER WALLS, SOFFITS, OR ANY OTHER PRODUCT PLACEMENT IF ACTUAL FIELD MEASUREMENTS DO NOT MATCH THOSE ON THIS DRAWING SET.

THIS DRAWING(S) REPRESENTS THE PRELIMINARY DESIGN CONCEPT FOR THIS PROJECT. DO NOT USE FOR CONSTRUCTION AND/OR FABRICATION UNLESS THE DRAWING HAS BEEN SIGNED BY CUSTOMER AS "APPROVED" AND/OR STAMPED "FINAL FOR CONSTRUCTION". FINAL CONSTRUCTION DETAILS WILL BE ISSUED AFTER DRAWING(S) ARE APPROVED AND FIELD DIMENSIONS VERIFIED.

ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL BUILDING CODES.

DO NOT SCALE FROM THIS DRAWING. REFERENCE PRINTED DIMENSIONS OVER ANY SCALE NOTED. CONTACT THE FCI PROJECT CONSULTANT OR COORDINATOR AT 317.915.9000 FOR ANY ADDITIONAL DIMENSIONS NEEDED. GENERAL CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING ANY WORK.

OWNER IS RESPONSIBLE FOR ADHERING TO GUIDELINES FOR THE AMERICANS WITH DISABILITIES ACT (ADA) INCLUDING DESIGNATED SEATING, QUEUE LINE AND AISLE WAY DIMENSIONS AND CLEARANCES.

GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL BUILDING, ELECTRICAL, PLUMBING, MECHANICAL / HVAC AND FIRE PROTECTION PERMITS AS REQUIRED.

INSTALLATION NOTES:

THE JOB SITE SHOULD MEET READINESS CONDITIONS PRIOR TO SHIPMENT OF FCI PRODUCT SUCH AS GROUTED AND CURED TILED FLOORS, INTERIOR WALL FINISHES (NOT SUPPLIED BY FCI), CEILING, HVAC AND LIGHTING; UNLESS FCI IS INVOLVED IN THE INSTALLATION THEREOF. FCI IS ENTITLED TO DELAY SHIPMENT IF JOB SITE DOES NOT MEET READINESS CONDITIONS.

FOR NEW CONSTRUCTION INVOLVING CORE DRILL INSTALLATION, THE GENERAL CONTRACTOR MUST PROVIDE A MINIMUM OF 5" CONCRETE SLAB. FCI IS NOT RESPONSIBLE FOR DAMAGE OF ANY ELECTRICAL OR MECHANICAL ELEMENTS LOCATED WITHIN THE 5" SLAB NOR FOR CORED STEEL THAT SHOULD COME LOOSE IN A SLAB THAT IS LESS THAN 5" THICK THROUGH OUT.

PRODUCT NOTES:

DAMAGED PRODUCT MUST BE DOCUMENTED UPON RECEIPT. NOTIFY FCI IMMEDIATELY OF ANY AND ALL DAMAGE.

FCI PRODUCT IS MANUFACTURED IN ACCORDANCE WITH BIFMA REGULATION AND NATIONAL FIRE RESISTANT CODE. NO ONE SHALL ALTER ANY FCI PRODUCT IN A WAY THAT WOULD JEOPARDIZE THE APPROVAL RATING.

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TYPICAL SYMBOL LEGEND

- EH — Electrical Outlet Location
- EL — Elevation Symbol
- Indicates Wheelchair Accessibility
- HC — High Chair
- Pendant Light

SYMBOL LEGEND SHOWN NOT INTENDED TO BE COMPLETE LIST, REFER TO INDIVIDUAL DRAWING PAGES FOR MORE DETAILS AS NEEDED.

Lutz, FL

Burger King

SHEET INDEX

Page #:	
1	Title Sheet
2	Placement Plan
2A	Coredrill Plan
3	Graphics & Wall Finish Plan
4	Floor Finish Plan
5	Reflected Ceiling Plan
6	Beam Plan & Elevation
7	Screen Wall
8-11	Elevations
12	Heritage Wall Details
13-18	Finish Schedule

CUSTOM DECOR FOR QUALITY DINING

DRAWING STATUS

	DRAWING DATE	DWG #	INITIALS
☐ Preliminary Drawings (Not For Construction)	04.30.21	00	BD
☐ For Review/Approval (Not For Construction)	06.15.21	F	LL
☐ Revise & Resubmit			
☐ Approved As Noted			
☐ Approved, Resubmit For Records Only			
☐ Approved			
☒ Final Drawings (For Construction)	-	-	-

SITE INFORMATION

CLIENT: Quality Dining Inc
STORE #: Burger King #
LOCATION: Lutz, FL 33558
ADDRESS: 17376 State Road 54
BUILDING TYPE: Custom Garden Grill

FCI CONTACT

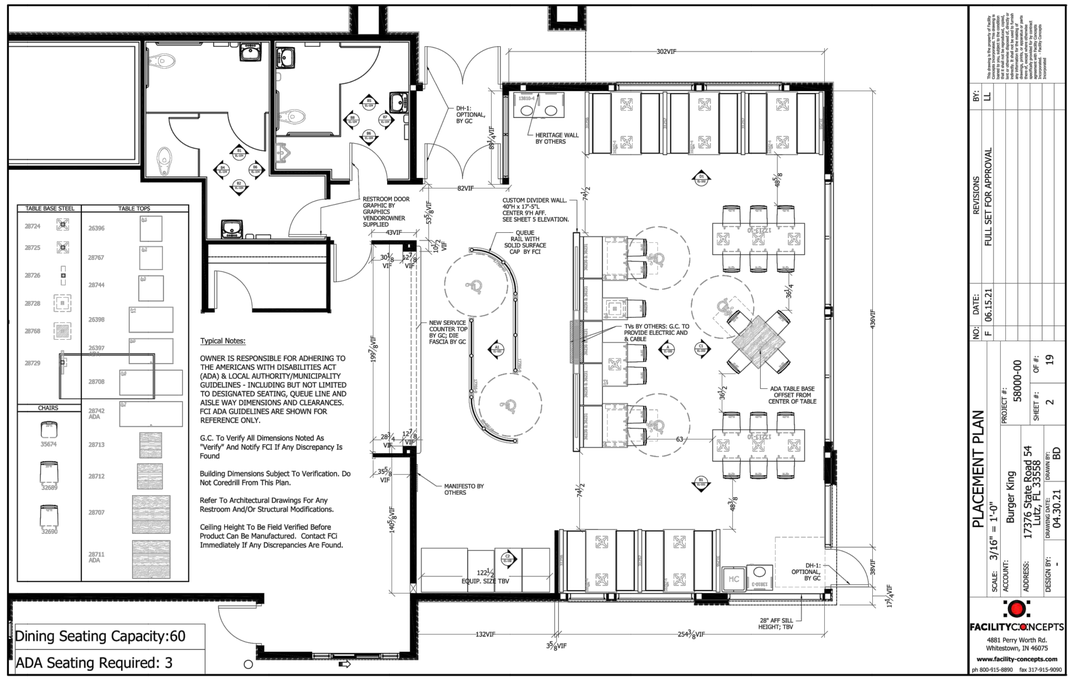
FCI PROJECT CONSULTANT: Wendy Carmack
FCI JOB #: 58000-00

PROJECT HISTORY

	DWG #	DESIGNER
ORIGINAL DRAWING DATE 04.30.21	00	BD
REVISION DATE 06.15.21	F	LL
REVISION DATE	DWG #	DESIGNER
REVISION DATE	DWG #	DESIGNER
REVISION DATE	DWG #	DESIGNER
REVISION DATE	DWG #	DESIGNER
REVISION DATE	DWG #	DESIGNER

FACILITYCONCEPTS
4881 Perry Worth Road
Whitestown, Indiana 46075
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ph 800-915-8890 fax 317-915-9090

DRAWING TITLE: TITLE SHEET
SCALE: N/A
SHEET NUMBER: 1 of 18



NO:	DATE:	REVISIONS	BY:
F	06.15.21	FULL SET FOR APPROVAL	LL

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PLACEMENT PLAN
SCALE: 3/16" = 1'-0"
ACCOUNT: Burger King
ADDRESS: 17376 State Road 54 Lutz, FL 33558
DRAWING DATE: 04.30.21
DESIGN BY: -
PROJECT #: 58000-00
SHEET #: 2
OF #: 19
DRAWN: BD

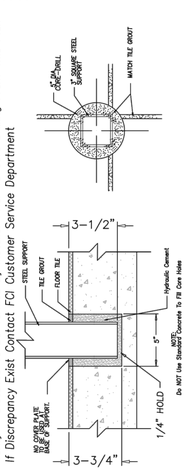
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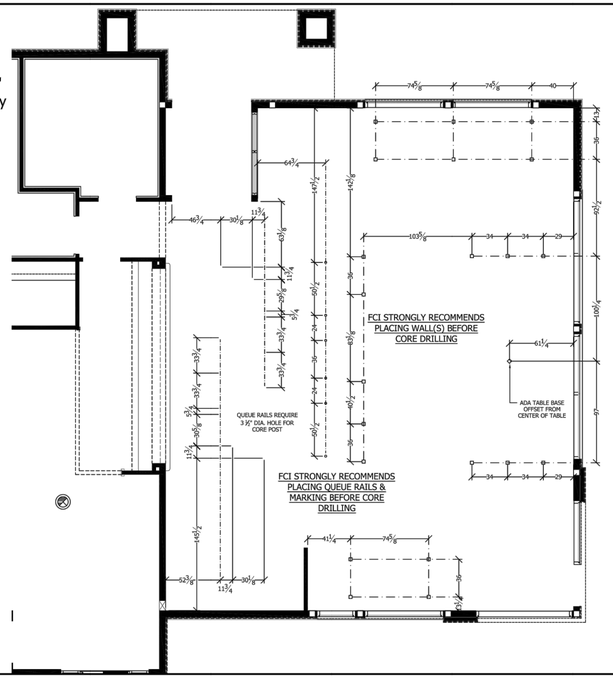
TYPICAL CORE DRILL NOTES:
Review core drill section in FCI installation instruction packet prior to drilling.

Always verify all dimensions labeled "VERIFY" prior to drilling. Notify FCI immediately of any discrepancies.

Core drill only based off measurements from this page, and only after final drawings have been issued.

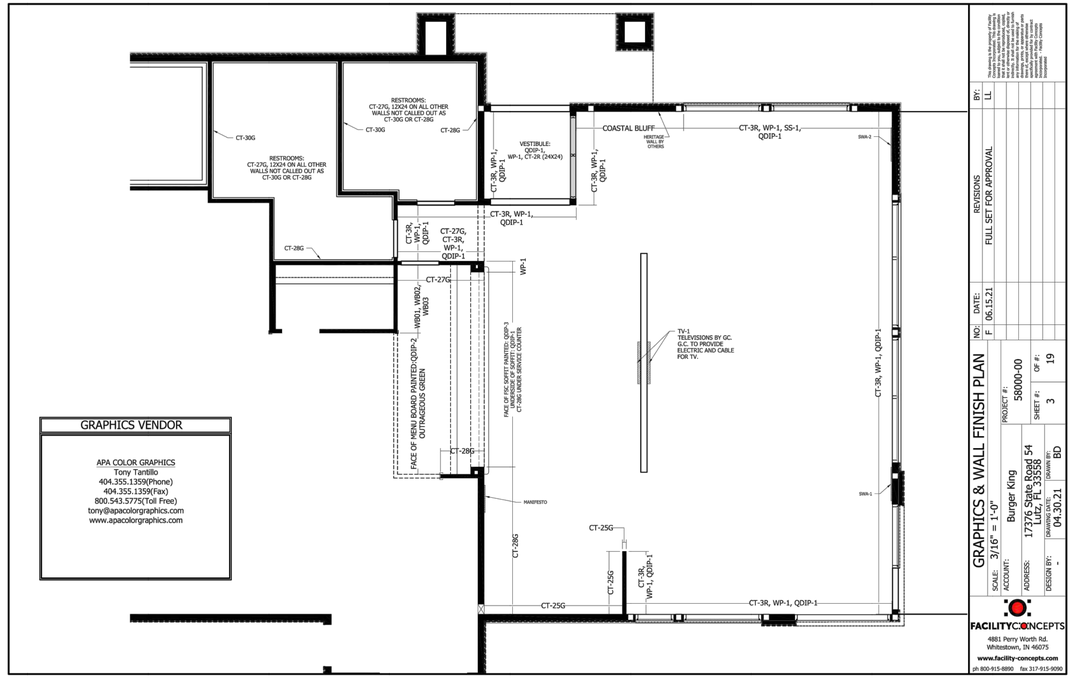
Before Core Drill
Verify = Distance To Be Verified By Installer Prior To Core Drilling From This Plan
If Discrepancy Exist Contact FCI Customer Service Department





CORE DRILL PLAN
SCALE: 3/16" = 1'-0"
ACCOUNT: Burger King
ADDRESS: 17376 State Road 54 Lutz, FL 33558
DRAWING DATE: 04.30.21
DESIGN BY: -
PROJECT #: 58000-00
SHEET #: 2A
OF #: 2A
DRAWN: BD

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Whitestown, IN 46075
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GRAPHICS & WALL FINISH PLAN
SCALE: 3/16" = 1'-0"
ACCOUNT: Burger King
ADDRESS: 17376 State Road 54 Lutz, FL 33558
DRAWING DATE: 04.30.21
DESIGN BY: -
PROJECT #: 58000-00
SHEET #: 3
OF #: 19
DRAWN: BD

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REV:	DESCRIPTION	BY:	DATE

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JONES PETRINSKI RAFINSKI
South Bend, IN p: 574.233.4388
Elkhart, IN p: 574.293.7762
ARCHITECTURAL: AA26001736
ENGINEERING: CA32769

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY STEVEN J VANDENBURG, P.E. ON 07/08/2021 USING A SHA-1 AUTHENTICATION CODE
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

BURGER KING - #
13721 U.S. HIGHWAY 441 SOUTH
LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

INTERIOR DECOR

DESIGNED BY: SEATING CONCEPTS
REVIEWED BY:
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: NOT TO SCALE

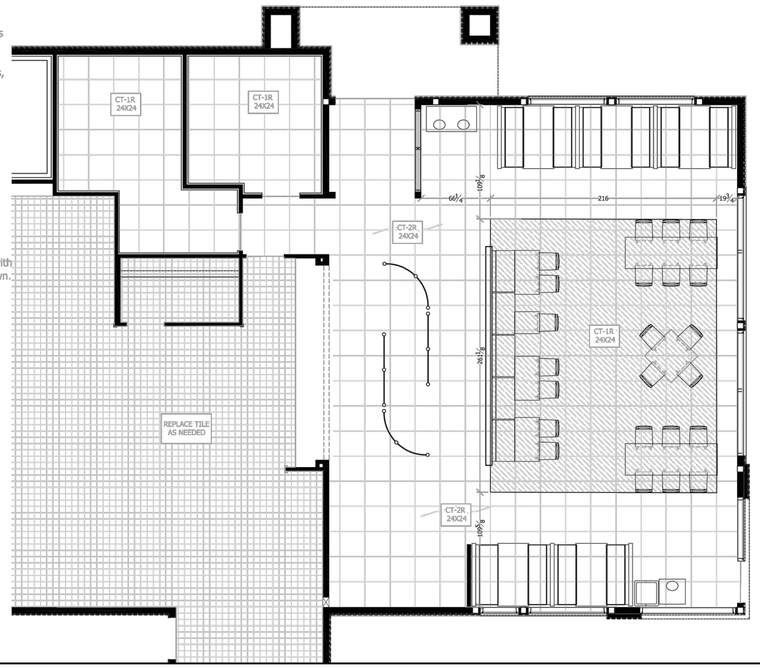
ID101

FLOOR FINISH NOTES:
Field floor tile finishes to be installed throughout dining, vestibules, restrooms, & hallways.

Refer to architectural drawings for specifications on kitchen floor tile.

Accent tile locations shown for reference. Actual locations to coordinate with field tile.

Accent tile should be installed inline/end with full field tiles as shown.



FLOOR FINISH PLAN
SCALE: 3/16" = 1'-0"
ACCOUNT:
Burger King
ADDRESS: 17376 State Road 54 Lutz, FL 33558
DESIGN BY: -
DRAWING DATE: 04.30.21
DRAWN BY: BD
PROJECT #: 58000-00
SHEET #: 4
OF #: 19

REVISIONS

NO:	DATE:		BY:
F	06.15.21	FULL SET FOR APPROVAL	LL

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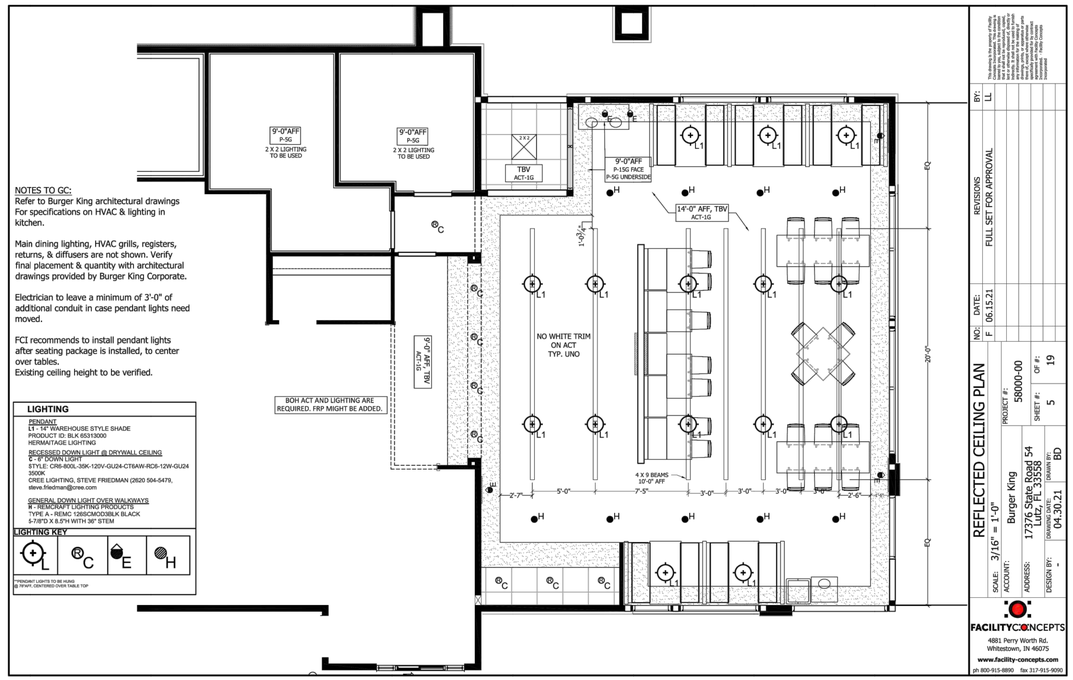
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Whitestown, IN 46075
www.facility-concepts.com
ph 800-915-8890 fax 317-915-9090

NOTES TO GC:
Refer to Burger King architectural drawings For specifications on HVAC & lighting in kitchen.

Main dining lighting, HVAC grills, registers, returns, & diffusers are not shown. Verify final placement & quantity with architectural drawings provided by Burger King Corporate.

Electrician to leave a minimum of 3'-0" of additional conduit in case pendant lights need moved.

FCI recommends to install pendant lights after seating package is installed, to center over tables.
Existing ceiling height to be verified.



LIGHTING
PENDANT
L1 - 14" WAREHOUSE STYLE SHADE
PRODUCT ID: BLK 65313000
HERMAITAGE LIGHTING

RECESSED DOWN LIGHT @ DRYWALL CEILING
C - 9" DOWN LIGHT
STYLE: CR6-800L-30K-120V-GU24-CT8AW-RC6-12W-GU24 3500K
CREE LIGHTING, STEVE FRIEDMAN (262) 504-6479, steve.friedman@cree.com

GENERAL DOWN LIGHT OVER WALKWAYS
R - REMCRAFT LIGHTING PRODUCTS
TYPE A - REMC 12RSCMOD08UK BLACK
5-7/8"D X 8.5"H WITH 36" STEM

LIGHTING KEY
L, C, E, H

**PENDANT LIGHTS TO BE HUNG @ 9'AFF, CENTERED OVER TABLE TOP

REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"
ACCOUNT:
Burger King
ADDRESS: 17376 State Road 54 Lutz, FL 33558
DESIGN BY: -
DRAWING DATE: 04.30.21
DRAWN BY: BD
PROJECT #: 58000-00
SHEET #: 5
OF #: 19

REVISIONS

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F	06.15.21	FULL SET FOR APPROVAL	LL

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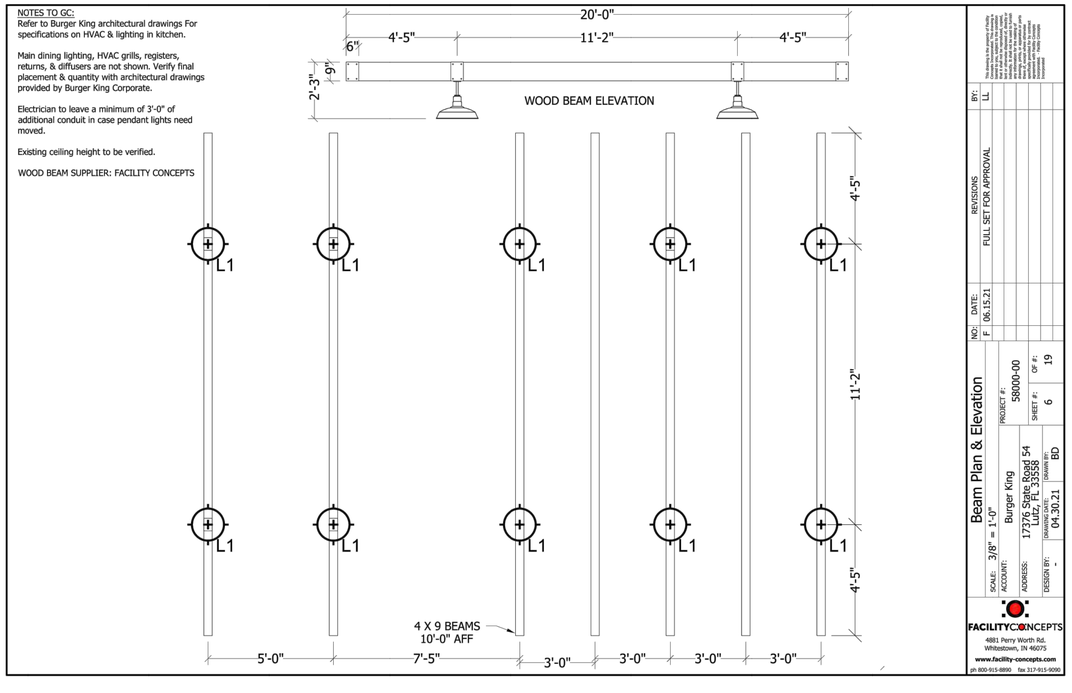
NOTES TO GC:
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Main dining lighting, HVAC grills, registers, returns, & diffusers are not shown. Verify final placement & quantity with architectural drawings provided by Burger King Corporate.

Electrician to leave a minimum of 3'-0" of additional conduit in case pendant lights need moved.

Existing ceiling height to be verified.

WOOD BEAM SUPPLIER: FACILITY CONCEPTS



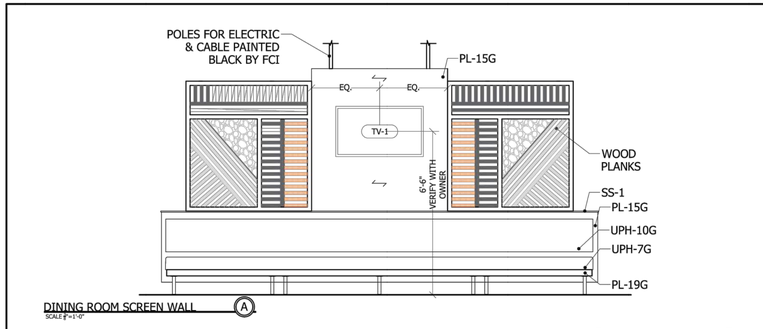
Beam Plan & Elevation
SCALE: 3/8" = 1'-0"
ACCOUNT:
Burger King
ADDRESS: 17376 State Road 54 Lutz, FL 33558
DESIGN BY: -
DRAWING DATE: 04.30.21
DRAWN BY: BD
PROJECT #: 58000-00
SHEET #: 6
OF #: 19

REVISIONS

NO:	DATE:		BY:
F	06.15.21	FULL SET FOR APPROVAL	LL

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DINING ROOM SCREEN WALL
SCALE 1"=1'-0"

SOLID PANEL
LIGHT WOOD STAIN
MATCH NEVAMAR
MACCHIATO

ORANGE WOOD STAIN
GRAIN TO BE VISIBLE
MATCH PANTONE 716C

LIGHT WOOD STAIN
MATCH NEVAMAR
MACCHIATO

DARK WOOD STAIN
MATCH NEVAMAR
VALENCIA TEAK



*IMAGE FOR REFERENCE ONLY

100 DINING ROOM SCREEN WALL
SCALE: AS NOTED
ACCOUNT:
Burger King
ADDRESS: 17376 State Road 54 Lutz, FL 33558
DESIGN BY: -
DRAWING DATE: 04.30.21
DRAWN BY: BD
PROJECT #: 58000-00
SHEET #: 7
OF #: 19

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NO:	DATE:		BY:
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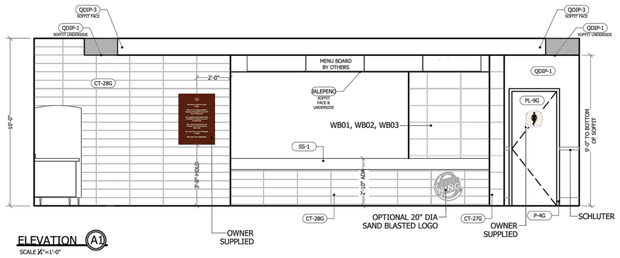
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South Bend, IN p. 574.233.4388
Elkhart, IN p. 574.293.7762
ARCHITECTURAL- AA26001736
ENGINEERING: CA3769

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BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619
INTERIOR DECOR

DESIGNED BY: SEATING CONCEPTS
REVIEWED BY:
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: NOT TO SCALE

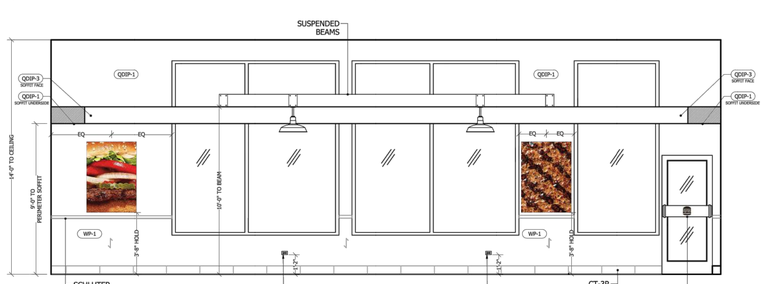
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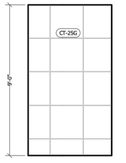
ELEVATION A1
SCALE 1/4"=1'-0"



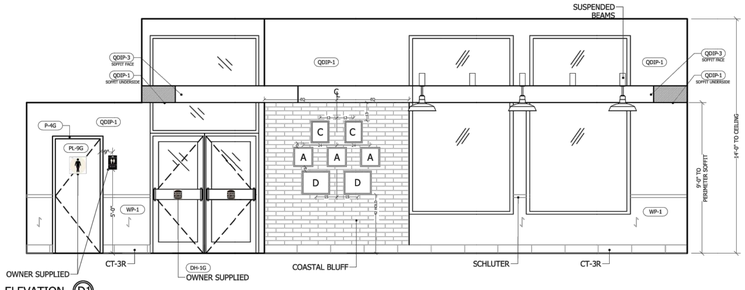
ELEVATION B1
SCALE 1/4"=1'-0"



ELEVATION C1
SCALE 1/4"=1'-0"



ELEVATION C2
SCALE 1/4"=1'-0"



ELEVATION D1
SCALE 1/4"=1'-0"

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ELEVATIONS 100

SCALE: AS NOTED
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ADDRESS: Burger King 17376 State Road 54 Lutz, FL 33558
PROJECT #: 58000-00
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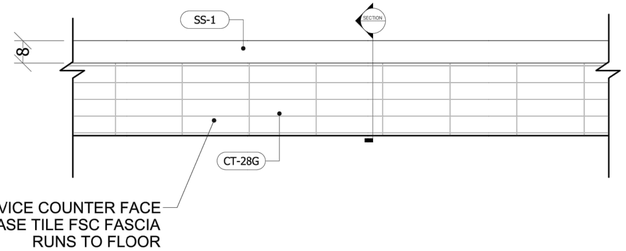
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ELEVATIONS 101

SCALE: AS NOTED
ACCOUNT:
ADDRESS: Burger King 17376 State Road 54 Lutz, FL 33558
PROJECT #: 58000-00
SHEET #: 9
OF #: 19
DRAWING DATE: 04.30.21
DRAWN BY: BD
DESIGN BY: -

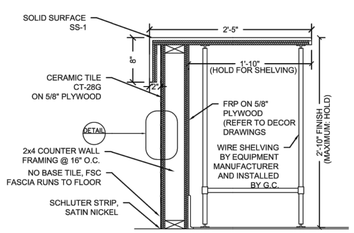
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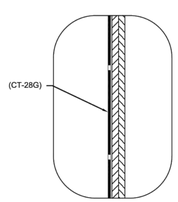


SERVICE COUNTER FACE
NO BASE TILE FSC FASCIA
RUNS TO FLOOR

FRONT SERVICE COUNTER ELEVATION VIEW
SCALE 1"=1'-0"



FRONT SERVICE COUNTER SECTION
SCALE 1"=1'-0"



DETAIL
SCALE 1"=1'-0"

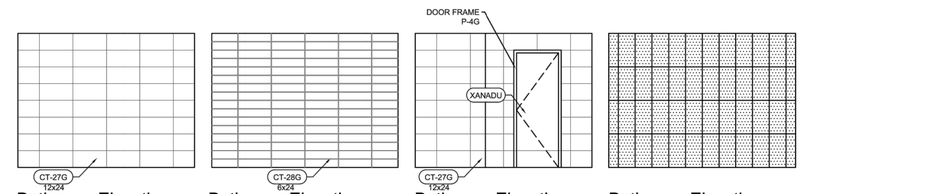
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ELEVATIONS 102 (FSC)

SCALE: AS NOTED
ACCOUNT:
ADDRESS: Burger King 17376 State Road 54 Lutz, FL 33558
PROJECT #: 58000-00
SHEET #: 10
OF #: 19
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Bathroom Elevation B1
NO BASE TILE, WALL TILE
IS INSTALLED TO THE FLOOR

Bathroom Elevation B2
NO BASE TILE, WALL TILE
IS INSTALLED TO THE FLOOR

Bathroom Elevation B3
NO BASE TILE, WALL TILE
IS INSTALLED TO THE FLOOR

Bathroom Elevation B4
NO BASE TILE, WALL TILE
IS INSTALLED TO THE FLOOR

Bathroom Elevation B5
NO BASE TILE, WALL TILE
IS INSTALLED TO THE FLOOR

Bathroom Elevation B6
NO BASE TILE, WALL TILE
IS INSTALLED TO THE FLOOR

Bathroom Elevation B7
NO BASE TILE, WALL TILE
IS INSTALLED TO THE FLOOR

Bathroom Elevation B8
NO BASE TILE, WALL TILE
IS INSTALLED TO THE FLOOR

G.C. to coordinate with CD plans for all plumbing fixtures and accessories in compliance with ADA

NO:	DATE:	REVISIONS	BY:
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RESTROOM ELEVATIONS

SCALE: 1/4" = 1'-0"
ACCOUNT:
ADDRESS: Burger King 17376 State Road 54 Lutz, FL 33558
PROJECT #: 58000-00
SHEET #: 11
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INTERIOR DECOR

DESIGNED BY: SEATING CONCEPTS
REVIEWED BY:
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
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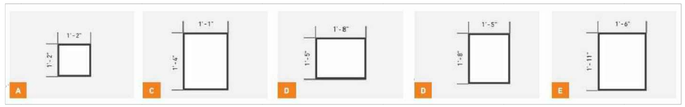
GENERAL NOTES:

APPROVED FRAME PRINTS SHALL BE PROVIDED BY GRAPHIC SIGNAGE SUPPLIERS.

PRINTS WILL BE PROVIDED WITH SPECIFIC DIMENSIONS TO FIT FRAMES AND MATS.

HERITAGE WALL FRAMED PRINTS ARRANGEMENT WILL VARY DEPENDING ON THE WALL DIMENSIONS, MIN NUMBER OF PICTURES SHALL BE 5 FOR A 4'-0" WIDE WALL, 7 FOR A 7'-0" WALL, AND 13 FOR A 10'-0" WALL.

PICTURE ARRANGEMENT FOR REFERENCE ONLY.



APPROVED FRAME DIMENSTIONS
NOT TO SCALE



APPROVED HISTORICAL BK IMAGES
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REVISIONS

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HERITAGE WALL DETAILS

SCALE: AS NOTED
ACCOUNT:
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PROJECT #: 58000-00
SHEET #: 12
OF #: 19
DRAWN BY: 04.30.21
DESIGN BY: -
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20/20 CUSTOM GARDEN GRILL INTERIOR FINISH SCHEDULE

INTERIOR MATERIALS & FINISH SCHEDULE **TO BE USED WITH 20/20 GARDEN GRILL GUIDELINES DOC.

QDI 1.04.21

CODE	MATERIAL	LOCATION	SOURCE	PRODUCT	COLOR	DIMENSION	ADDITIONAL INFORMATION
ACUSTICAL CEILING							
ACT-1G	ACOUSTICAL CEILING TILE	DINING	ARMSTRONG	CORTEGA PN91311 #770	PANEL COLOR: SEPIA EDGE: FLAT IN-LAY 15/16 GRID: PRELUDE 15/16" EXPOSED TEE GRID COLOR: SEPIA	2' x 2' x 5/8"	CONTACT: CHERYL SMITH 252-214-4426 CBSMITH@ARMSTRONGCEILINGS.COM ARMSTRONG STRATEGIC ACCOUNTS: (800) 442-4212 ARMSTRONGCSA@ARMSTRONGCEILINGS.COM
ACT-2G	ACOUSTICAL CEILING TILE	BACK OF HOUSE & DRINK BAR		#BP672 KITCHEN ZONE	PANEL COLOR: WHITE GRID: PRELUDE 15/16" EXPOSED TEE GRID GRID COLOR: WHITE WASHABLE	2' x 4' x 1/2"	
TILES							
CT-25G	CERAMIC TILE	FIELD FLOOR TILE / BEVERAGE WALL	GRANITE FIANDRE / EUROWEST	TCG2424027SQ	SIMPLY GRAY HONED (RECTIFIED)	24" x 24"	CONTACT: JAN DETER (714) 309-9551 JDETER@EUROWEST.COM **NOTE: USE WITH GR-15G (1/16" THICK)**
			TCL TRANSCERAMICA , LTD	X600292X8	URBAN GRAY HONED (RECTIFIED)	24" x 24"	CONTACT: CHRISTINA MASTRANGELO CMASTRANGELO@TRANSCERAMICA.COM JOY KLEIN (813)334-3302 **NOTE: USE WITH GR-15G (1/16" THICK)**
			EMSER	I99UPTOGR2424	UPTOWN CUSTOM GRAY # 15 (RECTIFIED)	24" x 24"	CONTACT: CRISTINA DUNBAR (713)462-2411 BURGERKING@EMSER.COM **NOTE: USE WITH GR-15G (1/16" THICK)**
			DALTILE	N627BK24241PK	N627 ROYAL GREY	24" x 24"	SUPPORT CENTER NATIONAL ACCOUNTS@DALTILE.COM (877) 556-5728 NOTE: USE WITH GR-15G (1/16" THICK)
CT-2R	QDI - CERAMIC TILE	DINING MAIN FIELD TILE		URBAN SAND	HONED	24"x24"	
CT-3R	QDI - CERAMIC TILE	BASE TILE MAIN (MAIN DINING)		URBAN SAND	HONED	6" x 24" (CUT TILE)	
CT-1R	QDI - CERAMIC TILE	DINING ACCENT TILE & RESTROOM FLOOR		URBAN GRAY	HONED	24" x 24"	

CT-27G	CERAMIC TILE	CORRIDOR WALL / RESTROOM WALL AND FLOOR	GRANITE FIANDRE / EUROWEST	TCG1224027SQ	SIMPLY GRAY HONED (RECTIFIED)	12" x 24"	CONTACT: JAN DETER (714) 309-9551 JDETER@EUROWEST.COM **NOTE: USE WITH GR-15G (1/16" THICK)**
			TCL TRANSCERAMICA LTD	X630292X8	URBAN GRAY HONED (RECTIFIED)	12" x 24"	CONTACT: CHRISTINA MASTRANGELO JOY KLEIN (813)334-3302 JKLEIN@TRANSCERAMICA.COM **NOTE: USE WITH GR-15G (1/16" THICK)**
			EMSER	I99UPTOG12424	UPTOWN CUSTOM GRAY # 15 (RECTIFIED)	12" x 24"	CONTACT: CRISTINA DUNBAR (713) 462-2411 BURGERKING@EMSER.COM **NOTE: USE WITH GR-15G (1/16" THICK)**
			DALTILE	N627BK12241PK	N627 ROYAL GREY (RECTIFIED)	12"X 24"	SUPPORT CENTER NATIONAL.ACCOUNTS@DALTILE.COM (877) 556-5728 **NOTE: USE WITH GR-15G (1/16" THICKNESS)**
CT-28G	CERAMIC TILE	DINING / ACCENT TILE LIGHT WOOD/KNEE WALL AND FSC SIDE WALL WAINSCOT TILE (STACKED BOND)	GRANITE FIANDRE / EUROWEST	Larch US (french wood) IRG 0624123	WOOD TILE (RECTIFIED)	6" x 24"	CONTACT: JAN DETER (714) 309-9551 JDETER@EUROWEST.COM **NOTE: USE WITH GR-15G @ FLOOR (1/16" THICK) NOTE: USE WITH GR-17G @ DINING WALLS ONLY (1/16" THICK)**
			TCL TRANSCERAMICA LTD	TCL Larch US (french wood) IRG0624123	WOOD TILE (RECTIFIED)	6" x 24"	CONTACT: CHRISTINA MASTRANGELO CMASTRANGELO@TRANSCERAMICA.COM JOY KLEIN (813)334-3302 JKLEIN@TRANSCERAMICA.COM **NOTE: USE WITH GR-15G @ FLOOR (1/16" THICK) NOTE: USE WITH GR-17G @ DINING WALLS ONLY (1/16" THICK)**
			EMSER	D99DEREBE0624	DEREVO BEIGE WOOD TILE (RECTIFIED)	6" x 24"	CONTACT: CHRISTINA DUNBAR (713)462-2411 BURGERKING@EMSER.COM **NOTE: USE WITH GR-15G @ FLOOR (1/16" THICK) NOTE: USE WITH GR-17G @ DINING WALLS ONLY (1/16" THICK)**
			DALTILE	N626BK6241PK	N626 GRAY WOOD	6" X 24"	SUPPORT CENTER NATIONAL.ACCOUNTS@DALTILE.COM (877) 556-5728 **NOTE: USE WITH GR-15G @ FLOOR (1/16" THICK) NOTE: USE WITH GR-17G @ DINING WALLS ONLY (1/16" THICK)**
CT-30G	CERAMIC TILE	RESTROOM WALL / EXTERIOR ACCENT RED TILE	GRANITE FIANDRE / EUROWEST	SENSIBLE STONE ED5052	SIGN RED NATURAL	12" x 24"	CONTACT: JAN DETER (714) 309-9551 JDETER@EUROWEST.COM **NOTE: USE WITH GR-15G (1/16" THICK)**
			TCL TRANSCERAMICA LTD	TCL ED5052 SENSIBLE STONE	SIGN RED NATURAL	12" x 24"	CONTACT: CHRISTINA MASTRANGELO CMASTRANGELO@TRANSCERAMICA.COM JOY KLEIN (813)334-3302 JKLEIN@TRANSCERAMICA.COM **NOTE: USE WITH GR-15G (1/16" THICK)**

	QDI TILE	BACK OF HOUSE	DALTILE	QUARRY TILE	OQ02 - EMBER FLASH	6 x 6	CONTACT: DALTILE SUPPORT CENTER @ (877) 556-5728
	QDI TILE	BACK OF HOUSE	DALTILE	WALL TILE	WB01 - WHITE, WB-02 BROWN, and WB03 DARK BROWN	6 x 24	
QDI FRP	FIBERGLASS REINFORCED PANEL	BACK OF HOUSE		ALMOND			
TR-1G	EDGE PROFILE	OUTSIDE CORNERS OF WALL TILE & BASE TILE TRIM AT RESTROOM	SCHLUTER	QUADEC Q100AT	SATIN NICKEL ANODIZED ALUMINUM	3/8"	CONTACT: EARL MAICUS (800) 267-0816 EMAICUS@SCHLUTER.COM **NOTE: GC TO COORDINATE HEIGHT AS REQUIRED BASED UPON TILE THICKNESS AND SETTING SYSTEM**
TR-2G	COVE BASE PROFILE	GENERAL RESTROOM	SCHLUTER	DILEX-AHK100AT	SATIN NICKEL ANODIZED ALUMINUM	3/8"	CONTACT: EARL MAICUS (800) 267-0816 EMAICUS@SCHLUTER.COM **NOTE: GC TO COORDINATE HEIGHT AS REQUIRED BASED UPON TILE THICKNESS AND SETTING SYSTEM**
TR-3G	EDGE PROFILE	BACK OF HOUSE	SCHLUTER	OUTSIDE CORNER A560	SATIN ANODIZED ALUMINUM	7/16" EXPOSED EDGE / 8' LONG	CONTACT: EARL MAICUS (800) 267-0816 EMAICUS@SCHLUTER.COM **GC TO COORDINATE HEIGHT AS REQUIRED BASED UPON TILE THICKNESS AND SETTING SYSTEM**
TS -1G	TRANSITION STRIP	CERAMIC TILE TO CERAMIC TILE	SCHLUTER	TRANSITION PROFILES FOR FLOORS	SCHIENE (RADIUS) AE 100 - R, SATIN ANODIZED ALUMINUM AE 100 - R, SATIN ANODIZED ALUMINUM 3/8" - 10MM	3/8" 10mm	CONTACT: EARL MAICUS (800) 267-0816 EMAICUS@SCHLUTER.COM
GROUT							
GR-6G	GROUT	BACK OF HOUSE	LATICRETE	SPECTRALOCK 2000 IG	# 45 "RAVEN"		CONTACT: KIRBY DAVIS AT LATICRETE (203) 671-7210 **NOTE: USE WITH CT-10G, CT-11G, LATICRETE HYDROBAN FOR WATERPROOF**
			CUSTOM BUILDING PRODUCTS	FUSION PRO SINGLE COMPONENT GROUT	#370 DOVE GRAY		CONTACT: CARLOS LEON AT CBP CLEON@CBPMAIL.NET **NOTE: USE WITH CT-10G, CT-11G, LATICRETE HYDROBAN FOR WATERPROOF**
GR-15G	GROUT	FIELD FLOOR TILE / BEVERAGE WALL	CUSTOM BUILDING PRODUCTS	FUSION PRO SINGLE COMPONENT GROUT	# 335 WINTER GRAY		CONTACT: CARLOS LEON AT CBP CLEON@CBPMAIL.NET ***PROLITE® PREMIUM LARGE FORMAT TILE MORTAR -RAPID SETTING**

REV:	DESCRIPTION	BY:	DATE

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Fort Wayne, IN p: 260.422.2322
Elkhart, IN p: 574.293.7762
ARCHITECTURAL- AA26001736
ENGINEERING: CA3769

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BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100 TAMPA, FL 33619
INTERIOR DECOR

DESIGNED BY: SEATING CONCEPTS
REVIEWED BY:
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: NOT TO SCALE

ID104

			LATICRETE	PERMACOLOR	#60 DUSTY GRAY		CONTACT: KIRBY DAVIS AT LATICRETE (203) 671-7210
GR-17G	GROUT	DINING / ACCENT TILE LIGHT WOOD	CUSTOM BUILDING PRODUCTS	FUSION PRO SINGLE COMPONENT GROUT	#145 LIGHT SMOKE		CONTACT: CARLOS LEON AT CBP CLEON@CBPMAIL.NET *****PROLITE® PREMIUM LARGE FORMAT TILE MORTAR -RAPID SETTING**
			LATICRETE	PERMACOLOR	#56 DESERT KHAKI		CONTACT: KIRBY DAVIS AT LATICRETE (203) 671-7210 **NOTE: USE WITH CT-28G @ WALLS ONLY**
GR-18G	GROUT	SERVICE AREA WALL TILE	LATICRETE	PERMACOLOR	#78 STERLING SILVER		CONTACT: KIRBY DAVIS AT LATICRETE (203) 671-7210
			CUSTOM BUILDING PRODUCTS	FUSION PRO SINGLE COMPONENT GROUT	#543 DRIFTWOOD		CONTACT: CARLOS LEON AT CBP CLEON@CBPMAIL.NET *****PROLITE® PREMIUM LARGE FORMAT TILE MORTAR -RAPID SETTING** **NOTE: USE WITH CT-31G**
WALL FINISHES AND PAINT							
COASTAL BLUFF	QDI FACE BRICK	HERITAGE WALL					
QDI P-1	QDI PAINT	QDI - INTERIOR WALLS	PPG	PRIMER: 6-212 PAINT: PPG6-411 EGGSHELL	WRIGHT STONE 10YY 30/106		
QDI P-2	QDI PAINT	QDI MENU BOARD	SHERWIN WILLIAMS		OUTRAGEOUS GREEN		
QDI P-3	QDI PAINT	QDI FACE OF SOFFIT	SHERWIN WILLIAMS		JALAPENO		
WP-1	WALL PANEL SYSTEM	GENERAL WAINSCOTING	DAL TILE	AR 08	STORY BROWN STD	12" x 24" PANELS	
UPHOLSTERY							
UPH-7G	UPHOLSTERY	SEATING (Booth/Settee) SEAT PADS	MAHARAM	LARIAT 440401	010 TAUPE		CONTACT: JANELLE AROUZ (404) 909-8444 JARAUZ@MAHARAM.COM
UPH-10G	UPHOLSTERY	SEATING (Booth/Settee) BACK PADS AND LOUNGE CHAIR		LARIAT 440401	007 OYSTER		
UPH-11G	UPHOLSTERY	LOUNGE CHAIR "COLLECTION OPTION"	C.F STINSON	CASSIDY	CAS 82 HOSTA		CONTACT: GLENN STINSON (248) 299-3800 GSTINSON@CFSTINSON.COM
METALS							
MF-1G	METAL FINISH POWDER COAT	FIXTURES AS NOTED	PER VENDOR		BLACKENED STEEL		PER VENDOR
MF-2G	METAL FINISH ALUMINUM	FIXTURES AS NOTED	PER VENDOR		FLAT BLACK ANODIZED		PER VENDOR
MF-3G	METAL FINISH ALUMINUM	SLAT PERGOLA SUPPORTS	PER VENDOR	POWDER COATED BROWN	MATCH P-6G (SLATE BROWN)		PER VENDOR
MF-4G	METAL FINISH ALUMINUM	DIVIDER SCREEN & SAUCE BAR	PER VENDOR	POWDER COATED	STATUARY BRONZE		PER VENDOR
SPECIALTY FINISHES AND TRIMS							
PL-9G	PLASTIC LAMINATE	PERMITER TABLES, DOORS, TRASH UNIT	WILSONART	7945K-18	XANADU		CONTACT: CUSTOMER SERVICE (877)726-6526 JOHN TRULOCK JOHN_TRULOCK@PANOLAM.COM (407) 618-3732
PL-15G	PLASTIC LAMINATE	TABLES / BOOTHS	NEVAMAR	WF0011T	MACCHIATO		
PL-16G	PLASTIC LAMINATE	TABLES	NEVAMAR	WZ2001T	SANTA ROSA PLUM TREE		
PL-17G	PLASTIC LAMINATE	TABLES	NEVAMAR	WF0013-T	CARAMEL MACCHIATO SUEDE		
PL-18G	PLASTIC LAMINATE	BEVERAGE STATION CABINET DOORS/ INNER SIDE OF WOOD SLAT PERGOLA/ INTERIOR SERVICE AREA ACCENT WALL & DOOR	NEVAMAR	SO3300 SD	CAFÉ SIENNA		
PL-19G	PLASTIC LAMINATE	BOOTH BASE	PIONITE	SE101S	BLACK		
WS-1G	WOOD STAIN	SHELVING LOUNGE AREA	PER VENDOR	BALTIC BIRCH	CLEAR COATED		LOCAL DISTRIBUTOR
WS-2G	WOOD STAIN	COMMUNITY TABLE/ SAUCE BAR	PER VENDOR	WHITE OAK	CLEAR COATED		LOCAL DISTRIBUTOR
	WOOD STAIN	WOOD BEAMS CEILING ELEMENT	PER VENDOR	STAINED OAK WOOD	TBD		PER VENDOR

TR-01G	DRYWALL REVEAL BEAD	BETWEEN P-6G & P-15G WHEN PERIMETER SOFFIT IS OMMITED	TRIM-TEX	AS5110S	ARCHITECTURAL SILVER	1/2" X 1/2"	CONTACT: LOCAL SUPPLIER
MEB-1G	MULTIPLEX EDGE BAND	TABLES (STANDARD TABLE THICKNESS)	REHAU	PREMUIM EDGE BAND #592E	MULTIPLEX	1-5/16" THICK	CONTACT: MEG HUIZENGA (616) 666-7932 MEG.HUIZENGA@REHAU.COM
MEB-2G	MULTIPLEX EDGE BAND	BOOTH EDGE PROTECTION	REHAU	NEVAMAR MACCHIATO CP41002	MATCH PL-15G (MACCHIATO)		
SOLID SURFACES							
SS-1	QDI - SOLID SURFACE	WINDOW SILLS/ FSC/ QUE RAIL/WALL TOPS	LG	HI MACS	PISA	30" x 144" x 1/2" THICKNESS	
SS-2	QDI - SOLID SURFACE	COMMUNITY TABLES	LG	HI MACS	PLUTO	30" x 144" x 1/2" THICKNESS	
RESIN							
R-1G	RESIN	FSC SMOOTHIE SCREENS	3-FORM	PUNCH 021	VELLUM F04 FINISH FRONT & BACK	3/8" THICK	CONTACT: JULIANA SHARKEY JULIANA.SHARKEY@3FORM.COM (954) 579-6545

REV:	DESCRIPTION	BY	DATE

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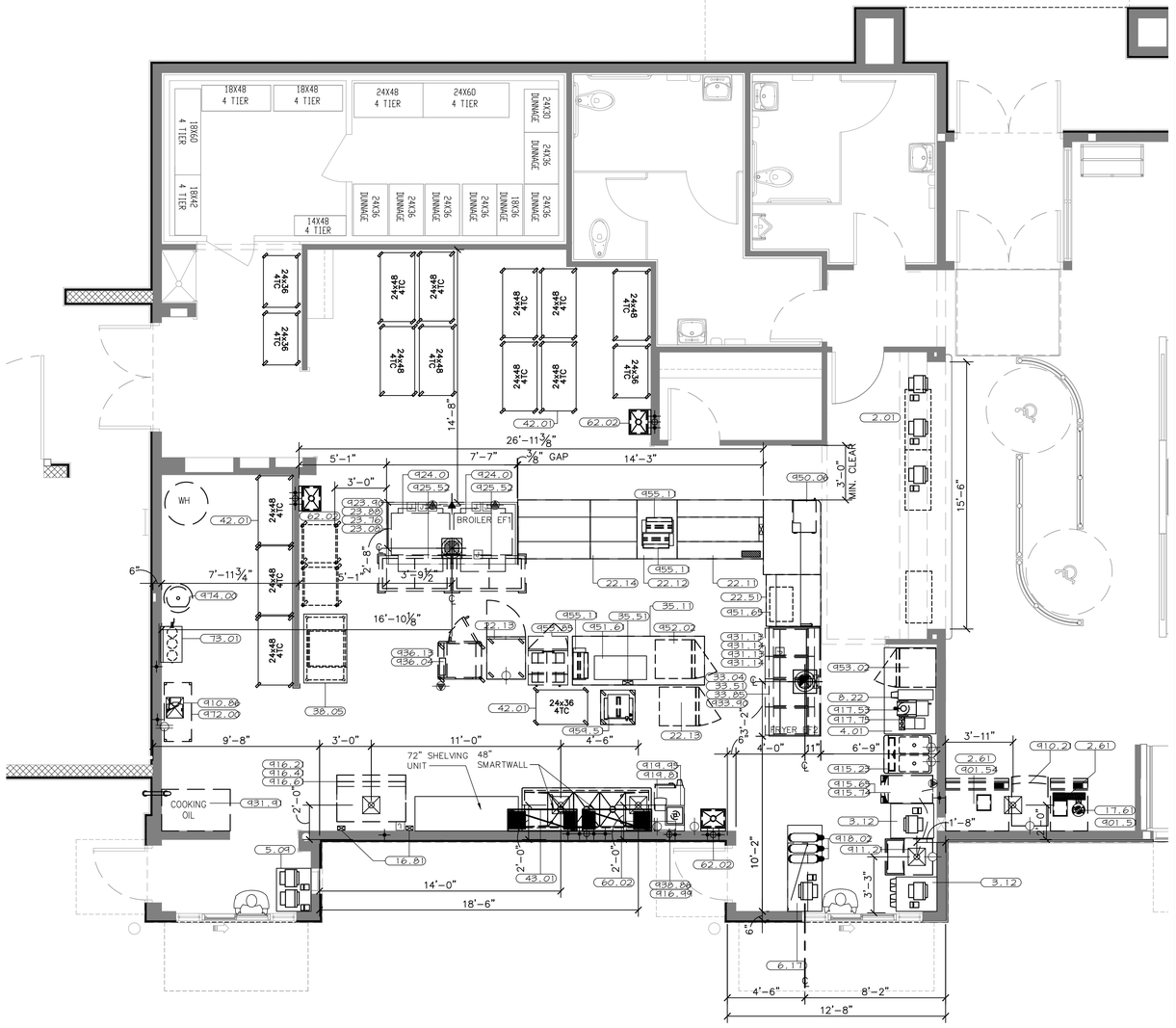
INTERIOR DECOR

DESIGNED BY: SEATING CONCEPTS
REVIEWED BY:
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: NOT TO SCALE

ID105

EQUIPMENT SCHEDULE

ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL #	FRANKE PART #	E* STAR	SUPPLIED BY	INSTALLED BY	NOTES
1.81	1	SPARE NUMBER	SPARE NUMBER	–	000 000	–	FRANKE	OTHERS	FOR SODA LINES
2.01	LOT	UNDERCOUNTER SHELVING	SPG INTERNATIONAL	–	–	–	FRANKE	OTHERS	–
2.32	1	SPARE NUMBER	FRANKE	–	18006842	–	FRANKE	OTHERS	F/(8) CUP DISPENSERS
2.61	2	UNIVERSAL CONDIMENT HOLDER	FRANKE	–	18003659	–	FRANKE	OTHERS	–
3.12	2	24"X 30" DRIVE THRU TABLE	FRANKE	–	–	–	FRANKE	OTHERS	–
4.01	1	60" X 36" X 36" DRIVE THRU BEVERAGE TABLE WITH REFRIGERATOR OPENING	FRANKE	–	–	–	FRANKE	OTHERS	
4.02	1	48" X 30" S/S TABLE	FRANKE	–	–	–	FRANKE	OTHERS	
5.09	1	DRIVE THRU COUNTER	SPG INTERNATIONAL	2430SCT	70004586	–	FRANKE	OTHERS	W/(2) 24" X 30" SHELVES, (4) POSTS
6.17	1	DRIVE THRU EXPEDITING STATION	SPG INTERNATIONAL	WST1357	70005434	–	FRANKE	OTHERS	–
8.22	1	4–HOLE CUP DISPENSER MODULE	FRANKE	–	18005847	–	FRANKE	OTHERS	–
16.81	1	S/S WALL MOUNTED CHASE	FRANKE	–	M13234	–	FRANKE	OTHERS	–
17.61	1	THERMOFRESH SERVER KIT	BUNN–O–MATIC	39500.0007	70005402	–	FRANKE	OTHERS	–
22.11	1	MAIN PREP BOARD 3'–5 x 6'–8""	FRANKE	–	18007302		FRANKE	OTHERS	–
22.12	1	SPARE NUMBER	FRANKE	–	18007287		FRANKE	OTHERS	–
22.13	1	HOSHIZAKI UPRIGHT FREEZER w/CASTERS	HOSHIZAKI	–	18007284		FRANKE	OTHERS	–
22.14	1	TOASTER STAND 3'5" x 3'–5"	FRANKE	–	18007169		FRANKE	OTHERS	–
22.51	1	EXPEDITING STATION	FRANKE	–	PENDING	–	FRANKE	OTHERS	–
23.08	1	7'–7" FH BROILER/OVEN HOOD	GAYLORD IND.	ELX–ND–BDL–PM–OB–43 (BK–NA–FS–BOH–7–7)	CUSTOM	–	FRANKE	OTHERS	SEE DETAIL ON K3 OF 3.
23.76	1	EXHAUST FAN	LOREN COOK	120CP1HPBK	120CP1HPBK	–	FRANKE	OTHERS	–
23.88	1	ROOF CURB	LOREN COOK	RCG30	70005536	–	FRANKE	OTHERS	–
33.04	1	4–BANK FREE STANDING FRYER HOOD	GAYLORD IND.	COX–A8–DS–4(BK)	70005135	–	FRANKE	OTHERS	SEE DETAIL ON K3 OF 3.
33.51	1	EXHAUST FAN	LOREN COOK	165VCR–3/4HP	165VCR.75HP–5	–	FRANKE	OTHERS	–
33.85	1	ROOF CURB	LOREN COOK	RCG22–A	RCG22–A	–	FRANKE	OTHERS	–
35.11	1	92" SPECIALTY SANDWICH TABLE	FRANKE	–	M14453	–	FRANKE	OTHERS	–
35.51	1	S/S SPECIALTY SAND. TABLE SERVICE CHASE	FRANKE	–	18001556	–	FRANKE	OTHERS	–
38.05	1	WORK TABLE	FRANKE	–	18006051	–	FRANKE	OTHERS	–
40.01	1	WALK–IN COOLER/FREEZER BOX	ICS	–	–	–	FRANKE	OTHERS	SEE DETAIL ON K3 OF 3.
40.89	1	REACH–IN FREEZER	TRUE	T–23F–2–MC	70004312	X	FRANKE	OTHERS	W/CORD & PLUG
41.01	LOT	COLD STORAGE SHELVING	SPG INTERNATIONAL	–	–	–	FRANKE	OTHERS	–
41.03	LOT	COLD STORAGE SHELVING	NEW AGE	–	–	–	FRANKE	OTHERS	–
42.01	LOT	DRY STORAGE SHELVING	SPG INTERNATIONAL	–	–	–	FRANKE	OTHERS	–
43.01	1	DOUBLE SMARTWALL SHELVING	INTERMETRO IND.	BKSW8446DBL	70003536	–	FRANKE	OTHERS	SEE DETAIL "B" ON K1 OF 3.
60.02	1	3–COMPARTMENT SINK	FRANKE	–	M1334	–	FRANKE	OTHERS	–
62.02	3	HAND SINK W/MTG BRACKET	ADVANCE TABCO	7BK–01–X	88545	–	FRANKE	OTHERS	–
73.01	1	WATER FILTER	EVERPURE	CB20–312	CB20312	–	FRANKE	OTHERS	SEE DETAIL ON K3 OF 3.
901.51	1	26" FREE STYLE BEVERAGE CABINET W/ TROUGH	FRANKE	–	18005597	–	OTHERS	OTHERS	VERIFY W/OWNER
901.54	1	44" W FREE STYLE BEVERAGE CABINET	FRANKE	–	18005502	–	OTHERS	OTHERS	VERIFY W/OWNER
910.21	1	SELF–SERVE FREESTYLE ICE/SODA DISPENSER	COCA–COLA	COCA–COLA FREESTYLE	COCA–COLA FREESTYLE	–	OTHERS	OTHERS	VERIFY W/SUPPLIER
910.86	1	WATER BOOSTER	COCA–COLA	–	–	–	OTHERS	OTHERS	VERIFY W/SUPPLIER
911.21	1	CREW–SERVER FREESTYLE ICE/SODA DISPENSER	COCA–COLA	COCA–COLA FREESTYLE	COCA–COLA FREESTYLE	–	OTHERS	OTHERS	VERIFY W/SUPPLIER
915.23	1	SOFT SERVE FREEZER	TAYLOR	632D	70005226	–	OTHERS	OTHERS	WITHOUT CORD & PLUG; VERIFY W/OWNER
915.65	1	FROZEN BEVERAGE DISPENSER	IMI CORNELIUS	621260042	70003346	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
915.74	1	FROZEN BEVERAGE DISPENSER CART	IMI CORNELIUS	621056813	70003816	–	OTHERS	OTHERS	VERIFY W/OWNER
916.21	1	ICE MACHINE	HOSHIZAKI	KM–1301SRH	70003049	X	OTHERS	OTHERS	VERIFY W/OWNER
916.41	1	ICE STORAGE BIN	HOSHIZAKI	B–800SF	700005358K	–	OTHERS	OTHERS	VERIFY W/OWNER
916.61	1	ICE MACHINE REMOTE CONDENSING UNIT	HOSHIZAKI	UCR–14F	70003048	X	OTHERS	OTHERS	SEE DETAIL ON K3 OF 3.–VERIFY W/OWNER
916.99	1	NOT USED	–	–	–	–	OTHERS	OTHERS	
917.53	1	INFUSION TEA COFFEE BREWER	BUNN–O–MATIC	ICTB–DV	70004181	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
917.55	1	SPECIALTY COFFEE MAKER	BUNN–O–MATIC	iMIX–D	iMIX–5	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
917.75	1	CREAMER DISPENSER CHILLED	SERVER PRODUCTS	86342	70004454	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
918.02	3	ICE TEA DISPENSER	BUNN–O–MATIC	TDO–N–35	70004425	–	OTHERS	OTHERS	VERIFY W/OWNER
919.81	1	NOT USED	–	–	–	–	OTHERS	OTHERS	
919.95	1	NOT USED	–	–	–	–	OTHERS	OTHERS	
923.90	1	FIRE PROTECTION SYSTEM	–	–	–	–	OTHERS	OTHERS	VERIFY W/OWNER
924.01	2	BROILER	NIECO	MPB94	70004779	–	OTHERS	OTHERS	VERIFY W/OWNER
925.52	2	50" MEAT FREEZER DEEPWELL CABINET	SILVER KING	SKMWF50	70004175	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
931.13	2	FRYER	PITCO	BK–SSH60W	70002733	X	OTHERS	OTHERS	VERIFY W/OWNER
931.14	1	FRYER	PITCO	BK–SSH55	70002734	X	OTHERS	OTHERS	VERIFY W/OWNER
931.85	1	PORTABLE FILTER	PITCO	BK–P18	70002735	–	OTHERS	OTHERS	NOT SHOWN– VERIFY W/OWNER
931.91	1	SHORTENING DISPOSAL CADDY SYSTEM	–	1500–C	70000046	–	OTHERS	OTHERS	VERIFY W/OWNER
932.52	1	MOBILE FRY FREEZER	FRANKE	–	18007216	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
933.90	1	FIRE PROTECTION SYSTEM	–	–	–	–	OTHERS	OTHERS	VERIFY W/OWNER
936.04	1	CONVECTION OVEN	BLODGETT	CTB–K	70004357	–	OTHERS	OTHERS	VERIFY W/OWNER
936.13	1	CONVECTION OVEN STAND	FRANKE	–	18004026	–	OTHERS	OTHERS	VERIFY W/OWNER
937.01	1	HOLDING BISCUIT CABINET	CRESCOR	H339135BKC3	H339135BKC3	X	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
938.86	1	NOT USED	–	–	–	–	OTHERS	OTHERS	
950.06	2	MICROWAVE OVEN	ACP, INC.	HDC18	70000185BK	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
951.61	2	INFRA TECH PRODUCT HOLDING UNIT	MERCO			–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
951.65	1	INFRA TECH PRODUCT HOLDING UNIT	MERCO			–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
952.02	1	UNDERCOUNTER FREEZER	SILVER KING	SKUCF7F/C4	70000025	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
953.02	1	UNDERCOUNTER REFRIGERATOR	SILVER KING	SKTTR–7FBK/C21	70003635	X	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
953.04	1	SOFT SERVE REFRIGERATOR	SILVER KING	SKTTR7F/C22	70004567	X	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
953.85	1	REFRIGERATED PREP UNIT	TRUE	TSSU–27–12MB	70004423	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
953.91	1	SMOOTHIE FOUNTAINETTE	SILVER KING	SKFSM/BK	70004773	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
955.11	3	BUN TOASTER	PRINCE CASTLE	DCFT–BK	70005730	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
955.95	1	RADIANT CONVEYOR TOASTER	STAR MFG.	9H–R2E12BK208	70004412	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
959.51	1	EGG COOKER ON MOBILE TABLE	AJ ANTUNES	ES–1200	70004414	–	OTHERS	OTHERS	W/CORD & PLUG; VERIFY W/OWNER
972.00	1	BAG–N–BOX SYRUP RACK	VERIFY	VERIFY	VERIFY	–	OTHERS	OTHERS	VERIFY W/OWNER
974.00	1	CO2 BULK SYSTEM	VERIFY	VERIFY	VERIFY	–	OTHERS	OTHERS	VERIFY W/OWNER



1 K101 KITCHEN EQUIPMENT PLAN

SCALE: 1/4"=1'–0"

REV.	DESCRIPTION	BY	DATE

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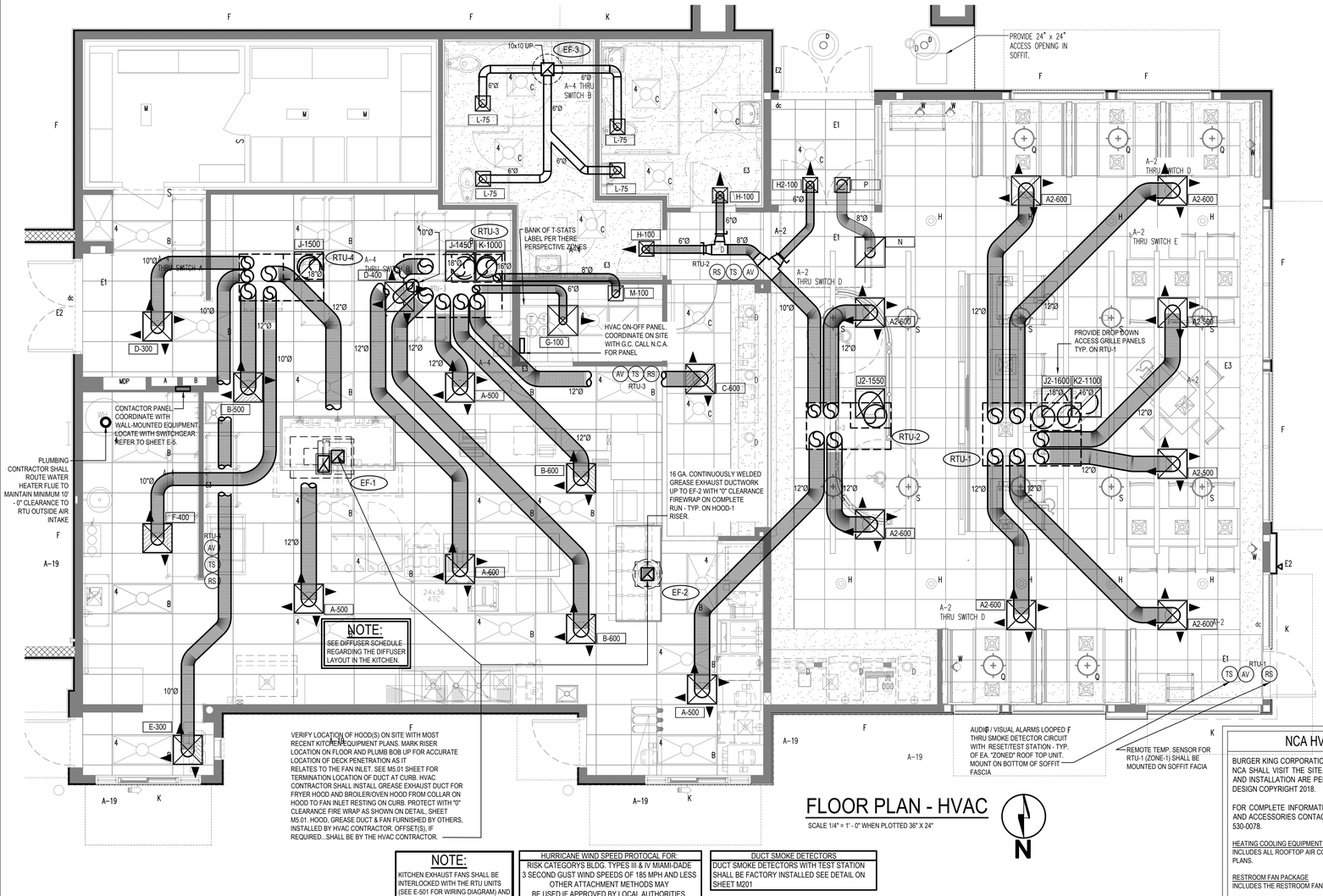
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KITCHEN EQUIPMENT PLAN

DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: 1/4" = 1'-0"

K101



FLOOR PLAN - HVAC

SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24"

N

NOTE:
KITCHEN EXHAUST FANS SHALL BE INTERLOCKED WITH THE RTU UNITS (SEE E-501 FOR WIRING DIAGRAM) AND SHALL COMPLY WITH THE LATEST ADOPTED FLORIDA MECHANICAL AND ENERGY CODES

HURRICANE WIND SPEED PROTOCAL FOR:
RISK CATEGORY'S BLDG. TYPES III & IV MIAMI-DADE
3 SECOND GUST WIND SPEEDS OF 185 MPH AND LESS
OTHER ATTACHMENT METHODS MAY
BE USED IF APPROVED BY LOCAL AUTHORITIES.

DUCT SMOKE DETECTORS
DUCT SMOKE DETECTORS WITH TEST STATION SHALL BE FACTORY INSTALLED SEE DETAIL ON SHEET M201

PACKAGE ROOFTOP UNIT SCHEDULE (RTU)

TAG	RTU-1 & 3	RTU-2 & 4
	CARRIER	CARRIER
MODEL	50HCD09 (8.5 TON)	50HCA06 (5 TON)
LOCATION, CURB DIMENSIONS	ROOF, 78" X 50"	ROOF, 67" X 37"
TYPE OF HEAT	ELECTRIC	ELECTRIC
TOTAL COOLING, MBTU/HR	103.6	60.4
SENSIBLE COOLING, MBTU/HR	81	48.0
ENTERING AIR, DB°F/WB°F	80/67	80/67
AMBIENT AIR TEMPERATURE, °F	95	95
SUPPLY AIR, CFM	3400	2000
OUTSIDE AIR, CFM	SEE AIR BAL. SCHEDULE	SEE AIR BAL. SCHEDULE
EXTERNAL STATIC PRESSURE, "WG	0.75	0.75
BHP	2.4	2.4
E.E.R.	12.2	12.45 (15.6 SEER)
RESISTANT HEAT (KW)	12.0 / 16.0	7.9 / 10.5
UNIT WEIGHT, LBS.	1040	760
ELECTRICAL REQ'T, V/Ø/HZ	208-230/3/60	208-230/3/60
MINIMUM CIRCUIT AMPERAGE	49 / 55	34 / 39
M.O.C.P.	60 / 60	45/ 45

ACCESSORIES, NEW RTUS ONLY*:
1. 2-POSITION MOTORIZED OUTSIDE AIR DAMPER WITH WEATHER HOOD. *OCCUPIED SETTING SHALL BE AS PER AIR BALANCE SCHEDULE & UNOCCUPIED SHALL BE FULLY SHUT.
2. NCA PLENUMIZED CURB. TO ORDER CALL TOLL-FREE (877) 530-0078.
3. ONE YEAR COMPLETE PARTS AND LABOR WARRANTY
4. ADDITIONAL FOUR YEAR PARTS WARRANTY COVERING COMPRESSORS
5. SMOKE DETECTOR FACTORY INSTALLED IN SUPPLY & RETURN OF RTU (SHEET M201)
6. PROGRAMMABLE T-STATS WITH REMOTE SENSORS
7. PROVIDED MODEL #AG3180E MOISTURE SENSOR BY AQUA GUARD IN PRIMARY DRAIN PAN. FIELD INSTALL BY FACTORY INSTALLATION GUIDE.

NOTE: COORDINATE LOCATIONS OF RTU'S WITH ROOF STRUCTURAL MEMBERS. VERIFY CONFIGURATION ON SITE PRIOR TO SETTING EQUIPMENT. IF ADJUSTMENT IS REQUIRED MAINTAIN 10' - 0" SEPARATION BETWEEN FRESH AIR INTAKES AND EXHAUST FANS.

OUTSIDE AIR CALCULATIONS

AREA	OCCUPANT OR SQ FT	AIR FLOW	RQD CFM	ACTUAL SUPPLIED
DINING	70	7.5 CFM	525 CFM	700 CFM
QUE LINE	19	7.5 CFM	143 CFM	450 CFM
KITCHEN	6	7.5 CFM	45 CFM	600 CFM
BUILDING	3,910 SF	0.18 CFM	701 CFM	750 CFM
TOTAL	95 PEOPLE + 3,910 SF		1414 CFM	2500 CFM

FAN SCHEDULE

TAG	EF-1	EF-2	EF-3
MANUFACTURER	COOK	COOK	COOK
MODEL	120CP-BK	VCR-165V-X6B	90C15DH
LOCATION	ROOF	ROOF	ROOF
AREA SERVED	BROILER HOOD	FRYER HOOD	RESTROOMS
CFM	1100	900*	300
STATIC PRESSURE, w.g.	1.5	1.25	0.25
FAN HORSEPOWER	1.0	0.75	1/8
FAN RPM	2172	1725	1223
DRIVE	BELT	BELT	DIRECT
ELECTRICAL, V/PHASE/HZ	208-230/1/60	208-230/1/60	120/1/60
ROOF OPENING, INCHES	22 SQ.	20 SQ.	14 SQ.
ROOF CURB	26.5X26.5X13.5	22.5X22.5X13.5	16.5X16.5X12
BACKDRAFT DAMPER	NO	NO	YES
BIRDSCREEN	NO	NO	YES
GREASE TROUGH	YES	YES	NO
VENTED EXTENSION	NO	YES	NO
KEYWAY GREASE TROUGH	YES	YES	NO
INTERLOCK	YES	YES	NO
* SEE AIR BALANCE SCHEDULE			

DIFFUSER SCHEDULE

SYM.	SIZE	TYPE	DUCT SIZE	MODEL#	FINISH	BOOT SIZE	OPENING SIZE	QTY.
A	24X24	SUPPLY 4 WAY	12"Ø	5500-12	WHITE	12"Ø	T-BAR	3
A2	24X24	SUPPLY 4 WAY	12"Ø	5500-12	SEPIA	12"Ø	T-BAR	8
B	24X24	SUPPLY 3 WAY	12"Ø	5500-12-3	WHITE	12"Ø	T-BAR	3
C	24X24	SUPPLY 2 WAY (PARALLEL)	12"Ø	5500-12-2P	WHITE	12"Ø	T-BAR	1
D	24X24	SUPPLY 4 WAY	10"Ø	5500-10	WHITE	10"Ø	T-BAR	1
E*	24X24	SUPPLY 3 WAY	10"Ø	5500-10-3	WHITE	10"Ø	T-BAR	1
F	24X24	SUPPLY 2 WAY (PARALLEL)	10"Ø	550010-2P	WHITE	10"Ø	T-BAR	1
G	24X24	SUPPLY 1 WAY.	6"Ø	5500-6	WHITE	22X22	SIZE + 1/4"	1
H	12X12	SUPPLY 1 WAY	6"Ø	5500-1	WHITE	12X12	SIZE + 1/4"	2
H2	12X12	SUPPLY 1 WAY	6"Ø	5500-1	SEPIA	12X12	SIZE + 1/4"	1
J	24X24	RETURN	18"Ø	RH-6	WHITE	22X22	T-BAR	2
J2	24X24	RETURN	18"Ø	RH-6	SEPIA	22X22	T-BAR	2
K	24X24	RETURN	16"Ø	RH-6	WHITE	22X22	T-BAR	1
K2	24X24	RETURN	16"Ø	RH-6	SEPIA	22X22	T-BAR	1
L*	12X12	EXHAUST	6"Ø	RH-1	WHITE	12X12	SIZE + 1/4"	4
M	12X12	RETURN	8"Ø	RH-1	WHITE	12X12	SIZE + 1/4"	1
N	24X24	TRANSFER	8"Ø	RH-6	SEPIA	24X24	SIZE + 1/4"	1
P	12X12	TRANSFER	8"Ø	RH-1	SEPIA	12X12	SIZE + 1/4"	1

* PROVIDE OPPOSED BLADE DAMPER
ALL DIFFUSERS SHALL BE MANUFACTURED BY METAILAIRE AND 100% ALUMINUM CONSTRUCTION
NOTE: LOCATION AND ORIENTATION OF DIRECTIONAL BLOW PATTERN DIFFUSERS IN THE KITCHEN IS CRITICAL. INSTALLER SHALL ENSURE PROPER INSTALLATION OF DIFFUSERS. CONTACT THE NCA CONSULTANTS PROJECT COORDINATOR IMMEDIATELY WITH ANY CONFLICTS THAT PREVENT INSTALLATION PER THE PROPOSED DESIGN

UPON COMMENCEMENT OF ROUGH-IN AS SCHEDULED BY NCA CONSULTANTS, THE AIR CONDITIONING CONTRACTOR IS TO REMAIN ON THE JOB SITE FULL TIME UNTIL THE ROUGH-IN IS 100% COMPLETE. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT WILL VERIFY.

UPON COMMENCEMENT OF TRIM-OUT AS SCHEDULED BY NCA CONSULTANTS, THE AIR CONDITIONING CONTRACTOR IS TO REMAIN ON THE JOB SITE FULL TIME UNTIL THE TRIM-OUT IS 100% COMPLETE. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT WILL VERIFY.

N • C • A
CONSULTANTS/GROUP
4585 140TH AVE. NORTH, SUITE #1009
CLEARWATER, FLORIDA
PHONE: (877) 530-0078
CALL NCA MARKETING FOR PRICING
NCA JOB# 19-XXX

CONTRACTORS NOTES

HVAC CONTRACTOR

1. THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL THE HVAC SYSTEM AS SHOWN IN THE NCA HVAC EQUIPMENT PACKAGE NOTE, THIS SHEET.

2. THE HVAC CONTRACTOR SHALL INSTALL THE EXHAUST HOODS. REFER TO MOST RECENT KITCHEN PLANS ON SITE. INSTALL ALL EXHAUST DUCT PER MANUFACTURERS INSTALLATION INSTRUCTIONS. SEE SHEET M3. VERIFY LOCATION ON SITE WITH MOST RECENT KITCHEN EQUIPMENT PLAN.

3. ALL AIR CONDITIONING UNIT CURBS SHALL BE SUPPLIED BY NCA CONSULTANTS.

4. ALL AIR CONDITIONING UNIT CURBS SHALL BE FABRICATED BY NCA CONSULTANTS FROM 18 GA. GALVANIZED METAL WITH WELDED CORNERS, WATER TIGHT AND INTERNALLY INSULATED.

5. SHIMS SHALL BE PROVIDED BY HVAC CONTRACTOR BETWEEN THE ROOF DECK AND THE CURB AS NEEDED TO COMPENSATE FOR ROOF PITCH AS REQUIRED.

6. ALL FLEX DUCT SHALL BE FOIL-BACKED, R-6, U.L. LISTED, CLASSIFIED AS A CLASS 1 AIR DUCT, AND MEET LOCAL CODE REQUIREMENTS.

7. EXCLUDING THE DINING ROOM, ALL NON-FLEXIBLE DUCT AND ALL AIR DISTRIBUTION DEVICES SHALL BE INSULATED WITH R-6, 2" X .75 DENSITY FOIL-BACKED INSULATION, WITH FIRE AND SMOKE RATING 25-50.

8. ALL DUCTWORK SHALL BE INDEPENDENTLY HUNG FROM STRUCTURAL MEMBERS.

9. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED PER SMACNA LOW-VELOCITY DUCT MANUAL (LATEST ISSUE).

10. UNLESS OTHERMISE NOTED, EVERY DOVETAILED TAP COLLAR INSTALLED IN NCA PLENUMIZED CURBS SHALL HAVE A MANUAL VOLUME CONTROL DAMPER.

11. THE HVAC CONTRACTOR SHALL COORDINATE DIFFUSER LOCATIONS ON SITE WITH THE MOST RECENT REFLECTED CEILING PLAN.

12. THE HVAC CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE COVERING A ONE-YEAR PERIOD FOR ALL EQUIPMENT AND AN ADDITIONAL FOUR-YEAR PERIOD FOR THE COMPRESSORS IN THE AIR CONDITIONING UNITS.

13. UPON COMPLETION OF PROJECT THE HVAC CONTRACTOR SHALL HIRE AN AABC, OR NEBB, CERTIFIED, INDEPENDENT TEST AND BALANCE COMPANY TO CONDUCT A COMPLETE, CERTIFIED TEST AND BALANCE OF ALL HVAC EQUIPMENT. PROVIDE A WRITTEN REPORT TO NCA CONSULTANTS. ALL CAPACITIES MUST BE SET AS SHOWN IN THE AIR BALANCE SCHEDULES.

14. ALL FANS SHALL BE U.L. LISTED.

15. THE HVAC CONTRACTOR SHALL VERIFY LOCATIONS OF THE EXHAUST HOOD(S) PRIOR TO SETTING POSITIONS ON EF-1 & 2. FROM MOST RECENT KITCHEN EQUIPMENT PLANS ON SITE. THIS IS TO ENSURE NO OFFSETS OR MINIMAL USE OF OFFSETS ARE REQUIRED FOR THE EXHAUST RISERS.

16. HVAC CONTRACTOR IS FURNISH OPERATIONAL CONTROLS AS NOTED & MAKE ALL LOW-VOLTAGE WIRING FINAL CONNECTIONS FOR TEMPERATURE SENSORS, THERMOSTATS, AUDIO-VISUAL ANNUCIATORS & SMOKE DETECTORS

GENERAL CONTRACTOR

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE. HOOD(S) MUST BE STORED IN THE KITCHEN.

2. IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENING TO ENSURE THAT LIMITED OR NO OFFSETS ARE NEEDED IN THE EXHAUST RISERS. PENETRATION LOCATIONS FOR EF-1 & 2 SHALL BE A COORDINATED EFFORT WITH HVAC CONTRACTOR, SO AS TO LIMIT COMPLICATED GREASE RISERS. EXACT HOOD & EXHAUST COLLAR POSITION SHALL BE LOCATED FOR TARGETING OVERHEAD EXHAUST PENETRATIONS.

3. RTU ROOF OPENING SIZES AND ROOF CURBS ARE BASED ON EQUIPMENT SHOWN. IF OTHER EQUIPMENT IS USED, VERIFY ROOF OPENING REQUIREMENTS. MAKE PENETRATION AS NEEDED FOR INSTALLATION OF NEW CURB AND RTU. COORDINATE ON SITE WITH HVAC CONTRACTOR. ENSURE THAT ROOFING MATERIAL DOES NOT COVER THE TOP OF ANY HVAC EQUIPMENT CURB.

4. ANY FRAMING REQUIRED FOR HVAC WORK SHALL BE BY THE GENERAL CONTRACTOR.

5. GENERAL CONTRACTOR SHALL CONVEY TO CEILING CONTRACTOR - CEILING GRID T-BARS SHALL LINE UP ON THE ROOF TRUSSES FOR 24" O.C. ON ROOF FRAMING PLAN.

ELECTRICAL CONTRACTOR

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER AND CONTROL WIRING CONDUIT UP THROUGH ROOF & MAINTAIN 12" MINIMUM CLEARANCE AWAY FROM RTU & FAN CURBS. ELECTRICAL CONTRACTOR SHALL NOT PENETRATE OR ROUTE CONDUIT THROUGH BOTTOM OR SIDES OF RTU AND FAN CURBS. ELECTRICIAN SHALL PROVIDE SINGLE/DOUBLE GANG BOXES & ½" CONDUIT INSIDE WALL & OUT THROUGH TOP PLATE AT SPECIFIED LOCATIONS FOR CHASING LOW VOLTAGE WIRING TO GANG BOXES. CONSULT HVAC CONTRACTOR FOR LOCATIONS & GANG BOX DESCRIPTION.

2. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECTS FOR ALL HVAC EQUIPMENT. EF-3 DOES NOT NEED A DISCONNECT. EF-3 HAS A PLUG DISCONNECT IN THE MOTOR HOUSING. ELECTRICAL ACCESS MAY BE ROUTED IN CURB AND THROUGH FAN ELECT. CHASE WHERE DONE PROPERLY. ELECTRICAL CONTRACTOR SHALL RUN LINE VOLTAGE FROM THE CURRENT SENSOR LOCATED IN (EF-1 & 2) EXHAUST FAN TO THE CONTACTOR PANEL, WHEN FURNISHED BY NCA.

3. THE ELECTRICAL CONTRACTOR SHALL ALLOW ADDITIONAL SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FAN (EF-2), SO THAT FAN MAY BE REMOVED FROM CURB AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK. (EF-1) HAS RISER INSPECTION COVER BUILT-IN FOR THE CLEANING & INSPECTION AND DOES NOT REQUIRE A HINGE KIT OR ANY REMOVAL.

4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL INTERLOCKING DEVICES REQUIRED BY LOCAL CODE BETWEEN THE HVAC EQUIPMENT, SMOKE DETECTORS, HOOD EXHAUST FANS, AND HOODED COOKING APPLIANCES TO WORK IN CONJUNCTION WITH THE FIRE SUPPRESSION SYSTEM AND TO BE IN FULL COMPLIANCE WITH NFPA-96 WHEN "OPTIONAL" NCA PANEL IS NOT FURNISHED.
NCA "OPTIONAL" CONTACTOR PANEL WHEN PURCHASED, FULLY COMPLIES WITH THE NFPA-96 REQUIREMENTS AND HIGH VOLTAGE SHALL BE HARD WIRED THROUGH PANEL DURING ROUGH-IN PHASE OF CONSTRUCTION. ELECTRICIAN SHALL LOCATE PANEL NEAR DISTRIBUTION SYSTEM FOR HIGH-VOLTAGE CIRCUITS. SEE OPERATIONAL MATRIX LABEL FOR PROPER SEQUENCE OF OPERATION FOR ELECTRICIAN TO FOLLOW WHEN "OPTIONAL" PANEL IS NOT USED.

5. WHEN ELECTRICAL COOKING APPLIANCES ARE USED AND NOT GAS FIRED, THEN CONTRACTOR SHALL PROVIDE HOODED EQUIPMENT INFORMATION FROM FINAL KITCHEN EQUIP. PLAN & SCHEDULES PRIOR TO THE ORDER OF THE CONTROLS PACKAGE BY NCA, TO VERIFY CONTACTOR LOADS, CIRCUITS & DESIGNATIONS FOR PANEL DEVELOPMENT.

PLUMBING CONTRACTOR

1. THE PLUMBING CONTRACTOR SHALL PROVIDE CONDENSATE DRAINS DOWNSTREAM OF P-TRAPS AT ALL RTUS. RTU CURBS SHALL NOT BE USED FOR PASSAGE OR ANCHORING OF ANY DRAIN LINES.

2. THE PLUMBING CONTRACTOR OFFSET PLUMBING VENT STACKS AWAY FROM OUTSIDE AIR INTAKES ON RTUS. MAINTAIN 10'-0" MINIMUM CLEARANCE.

3. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL FLUE GAS RELIEF & INTAKE VENT FOR GAS WATER HEATER. MAINTAIN 10'-0" MINIMUM HORIZONTAL OR 3' VERTICAL CLEARANCE TO AIR INTAKES.

NCA HVAC EQUIPMENT PACKAGE

BURGER KING CORPORATION HAS A NATIONAL ACCOUNT AGREEMENT WITH THE NCA GROUP. NCA SHALL VISIT THE SITE, AS AUTHORIZED, TO VERIFY THAT ALL MATERIALS, EQUIPMENT, AND INSTALLATION ARE PER THE PROFESSIONAL ENGINEER SEAL. PLANS ARE JPR AND NCA DESIGN COPYRIGHT 2018.

FOR COMPLETE INFORMATION AND PRICING ON THE FOLLOWING PACKAGE OF EQUIPMENT AND ACCESSORIES CONTACT THE NCA GROUP MARKETING DEPARTMENT TOLL-FREE AT (877) 530-0078.

HEATING COOLING EQUIPMENT PACKAGE
INCLUDES ALL ROOFTOP AIR CONDITIONING EQUIPMENT WITH ALL ACCESSORIES AS SPECIFIED ON THESE PLANS.

RESTROOM FAN PACKAGE
INCLUDES THE RESTROOM FAN WITH ALL ACCESSORIES AS SPECIFIED ON THESE PLANS.

AIR DEVICE PACKAGE
INCLUDES ALL ALUMINUM GRILLES, REGISTERS AND DIFFUSERS PER PLANS. SQUARE TO ROUND TRANSITIONS PROVIDED WHERE REQUIRED.

CURB PACKAGE
INCLUDES ONE-PIECE, FULLY WELDED NCA PLENUMIZED ROOF CURBS FOR ALL ROOF MOUNTED HEATING/COOLING EQUIPMENT, AND RESTROOM FAN CURB.

CONTROLS PACKAGE
INCLUDES PRESET DIGITAL THERMOSTATS, THERMOSTAT WIRE, LOCKING COVERS, SMOKE DETECTORS AND AUDIBLE-VISUAL DEVICES; ALSO MANUAL ON-OFF PANEL AND MASTER CONTACTOR PANEL. SEE SHEET E-501.

AIR BALANCE INSTRUCTIONS
INSTALLING CONTRACTOR IS RESPONSIBLE FOR HAVING A CERTIFIED, INDEPENDENT A.A.B.C. OR N.E.B.B. CERTIFIED TEST AND BALANCE COMPANY PERFORM A TEST AND BALANCE ON THE EXHAUST AND VENTILATION SYSTEM. TEST AND BALANCE COMPANY MUST BE INDEPENDENT AND NOT ON THE HVAC INSTALLERS STAFF. CONTRACTOR SHALL PROVIDE WRITTEN REPORT CERTIFYING SYSTEM BALANCE TO NCA CONSULTANTS, ARCHITECT, AND OWNER.

AIR BALANCE SCHEDULE

TAG	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST AIR	BLDG. PRESSURE	% OUTSIDE AIR
RTU-1	3400 CFM	700 CFM	2700 CFM		+ 700 CFM	21
RTU-2	2000 CFM	450 CFM	1550 CFM		+ 450 CFM	23
RTU-3	3400 CFM	850 CFM	2550 CFM		+ 850 CFM	25
RTU-4	2000 CFM	500 CFM	1500 CFM		+ 500 CFM	25
EF-1	---	---	---	1100 CFM*	- 1100 CFM	---
EF-2	---	---	---	900 CFM*	- 900 CFM	---
EF-3	---	---	---	300 CFM	- 300 CFM	---
TOTAL	10800 CFM	2500 CFM	8300 CFM	2300 CFM	+ 200 CFM	N/A

* NOTE: UPON START-UP VERIFY THAT THE EXHAUST FAN CURRENT SENSORS ARE SET TO THE MOTOR AMPERAGE. IF IT IS NECESSARY TO ADJUST THE AMPERAGE OF THE EXHAUST HOOD FAN MOTORS, THE FAN MOTOR CURRENT SENSOR MUST BE RESET BY THE ELECTRICAL CONTRACTOR AS FOLLOWS: ADJUST UNDERCURRENT POTENTIOMETER TO MINIMUM (CLOCKWISE IS MAXIMUM.) APPLY CURRENT. ONCE CURRENT IS STABILIZED, INCREASE UNDERCURRENT POT UNTIL RED LED LIGHTS. WITHIN SEVEN SECONDS TURN DOWN UNTIL RED LIGHT TURNS OFF. IF A LIGHT REMAINS ON FOR MORE THAN TEN SECONDS, DISCONNECT SUPPLY VOLTAGE TO RESET. SEE MANUFACTURERS OPERATION-INSTALLATION INSTRUCTIONS THAT SHIP WITH THE FANS.

* NOTE: WITH LIMITED BUILDING PRESSURE, THE ±10% TOLERANCE IS NOT ACCEPTABLE. SET CFM AS SPECIFIED. ENSURE THAT EXHAUST FAN PULLY IS ADJUSTED FOR PROPER ALIGNMENT.

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REV.	DESCRIPTION	BY	DATE

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3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

MECHANICAL PLAN

DESIGNED BY:

REVIEWED BY: DEB, SJV

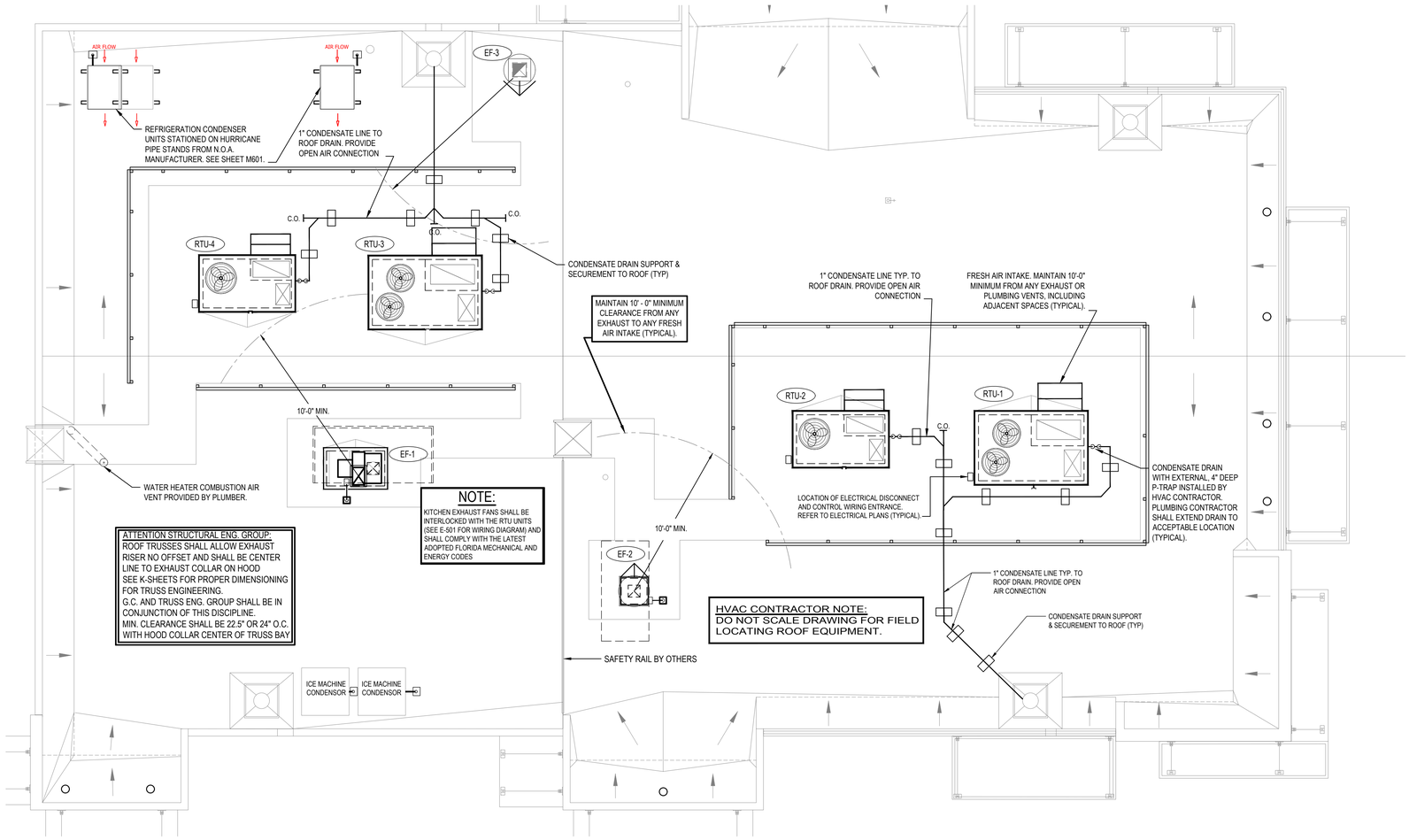
DRAWN BY:

DATE: JULY 8, 2021

JOB NUMBER: 2021-0194

SCALE: AS NOTED

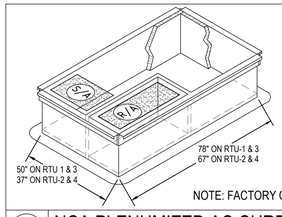
M101



ROOF PLAN - HVAC

SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24"

N

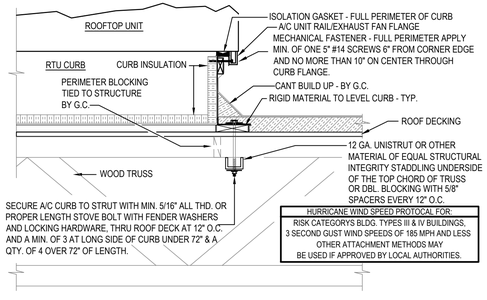


NOTE: FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED. FOR ORDERING INFORMATION REFER TO THE NCA HVAC EQUIPMENT PACKAGE NOTE, SHEET M-101.

NOTE: FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED.

NCA PLENUMIZED AC CURB DETAIL

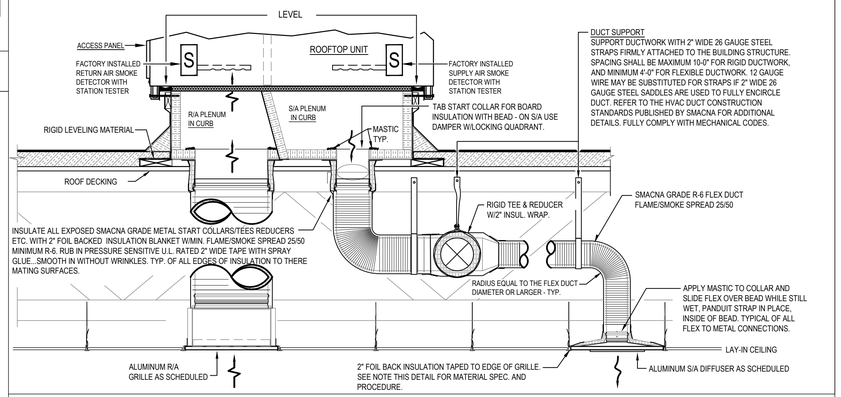
NOT TO SCALE



HURRICANE WIND SPEED PROTOCOL FOR:
RISK CATEGORYS BLDG. TYPES III & IV BUILDINGS, 3 SECOND GUST WIND SPEEDS OF 185 MPH AND LESS OTHER ATTACHMENT METHODS MAY BE USED IF APPROVED BY LOCAL AUTHORITIES.

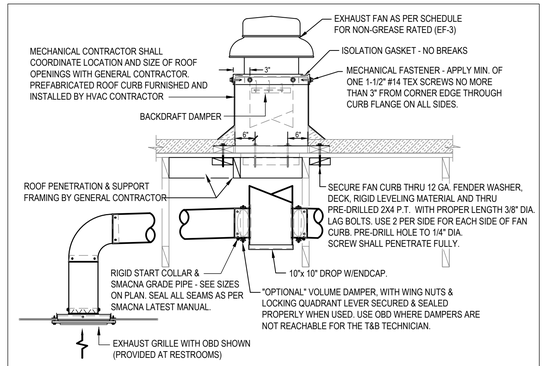
ROOF EQUIP. CURB MOUNTING DETAIL

NOT TO SCALE



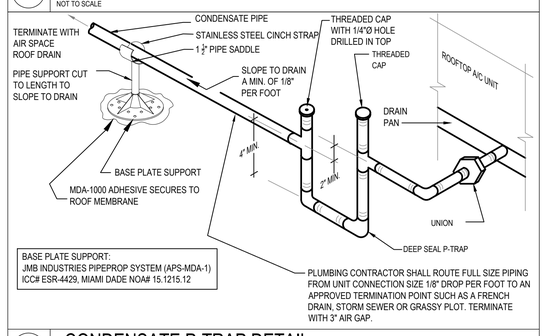
CONCEALED DUCT INSTALLATION DETAIL

NOT TO SCALE



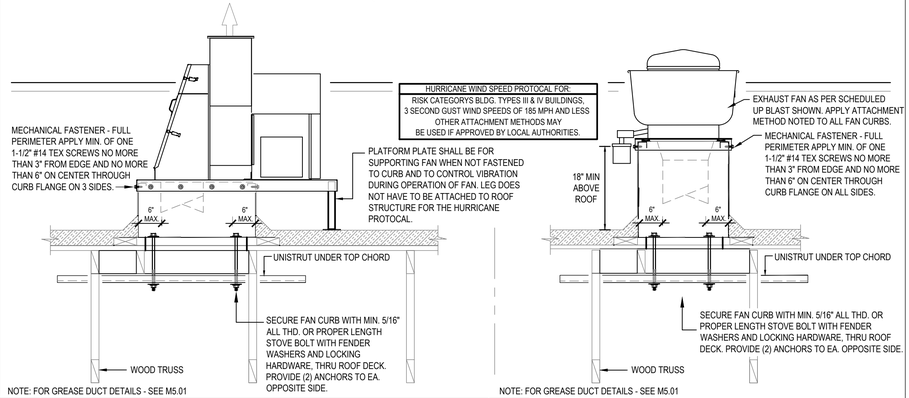
R/R (EF-3) EXHAUST ASSY. / HURRICANE MOUNTING

NOT TO SCALE



CONDENSATE P-TRAP DETAIL

NOT TO SCALE



HURRICANE WIND SPEED PROTOCAL FOR:
RISK CATEGORYS BLDG. TYPES III & IV BUILDINGS, 3 SECOND GUST WIND SPEEDS OF 185 MPH AND LESS OTHER ATTACHMENT METHODS MAY BE USED IF APPROVED BY LOCAL AUTHORITIES.

NOTE: FOR GREASE DUCT DETAILS - SEE M5.01

FAN (EF-1) & CURB HURRICANE MOUNTING DETAIL

NOT TO SCALE

NOTE: FOR GREASE DUCT DETAILS - SEE M5.01

FAN (EF-2) & CURB HURRICANE MOUNTING DETAIL

NOT TO SCALE

REV.	DESCRIPTION	BY	DATE

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MECHANICAL ROOF PLAN AND DETAILS

DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

M201

GAYLORD

7'-7" NA BROILER/OVEN FREESTANDING HOOD

FOR BURGER KING

BROILER/OVEN HOOD MODEL: ELX-ND-BDL-PM-OB-43-(BK-NA-FS-BOH-7-7)

NORTH AMERICAN BROILER/OVEN HOOD SPECIFICATIONS
SPECIAL FREESTANDING

Broiler/Oven Hood Specifications

Gaylord Model ELX-ND-BDL-PM-OB-43-(BK-NA-FS-BOH-7-7), canopy style freestanding hood with wall attachment broiler/oven hood 7'-7" long x 43" front to back. The hood is specifically designed to go over a Nieco MPB94 or Duke FBB broiler and a half size convection oven. The hood is designed for either a Standard or Reverse ROC building. The ends and front panels are insulated double wall construction, and the top is covered with 3" thick insulation. The hood utilizes patented high efficiency stainless steel Gaylord XGS Extractors. The extractor testing mirror ASTM Standard F2519 -2005, and are ETL Listed to UL Standard 1046. The hood design includes a built in 5" air space at the back for allowing direct mounting to a limited combustible wall (sheet rock on metal studs) for compliance to NFPA-96. Also built into the back of the hood are utility raceways that are used for gas piping and electrical services. The hood includes factory pre-piping for an Amerex KP fire extinguishing system or as an option may be pre-piped for an ANSUL R-102 fire system. The hood is constructed of all 18 gauge, type 300 series stainless steel, number 4 finish.

Enclosure Panels Included is a stainless steel enclosure kit to fill the space between the top of the hood and the finished ceiling. The panels are constructed of 18 gauge type 430 stainless steel, number 4 finish.

Wall Flashing One set of wall flashing for broiler/oven hood as shown on the drawings. Flashing is constructed of 18 gauge type 430 stainless steel, number 4 finish.

HOOD LISTING AND APPROVAL REFERENCE

BROILER/OVEN HOOD
INTERTEK TESTING SERVICES, INC.
BROILER HOOD IS E.T.L. LISTED EXHAUST HOODS WITHOUT EXHAUST DAMPERS, REPORT NO. 3130583CRT-008.
TESTED UNDER U.L.STANDARD 710.

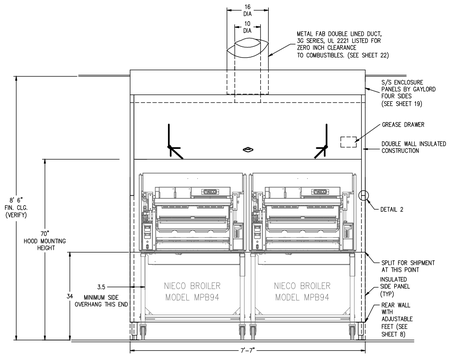
NATIONAL FIRE PROTECTION ASSOCIATION
MEETS ALL REQUIREMENTS OF NFPA-96
"STANDARD FOR VENTILATION CONTROL & FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS"

ETL- SANITATION LISTED
MEETS ALL REQUIREMENTS OF NSF STANDARD NO.2
"FOOD SERVICE EQUIPMENT"

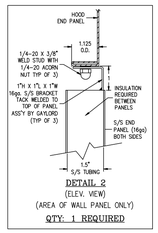
MECHANICAL CODES
MEETS ALL REQUIREMENTS OF THE UMC, BOCA, SBCCI AND IMC.

NEW YORK CITY DEPARTMENT OF BUILDING
MEA NO. 113-89-M

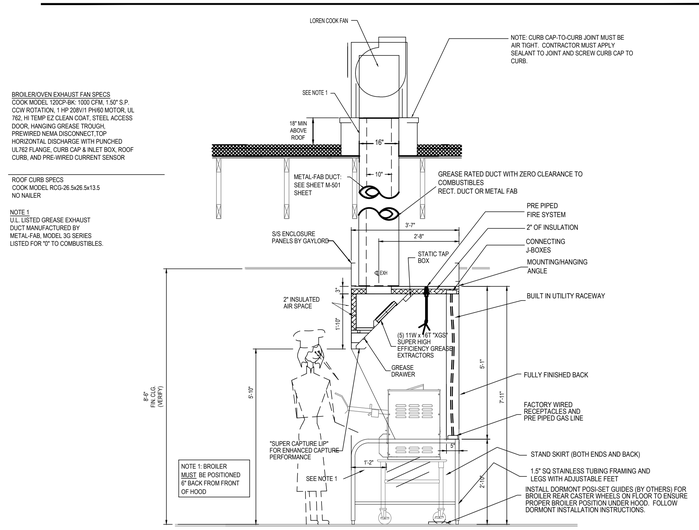
Intertek
42106



BROILER HOOD FRONT ELEVATION
WITH TWO NIECO BROILERS - MPB94



DETAIL 2
(ELEV. VIEW)
(AREA OF WALL PANEL ONLY)
QTY: 1 REQUIRED

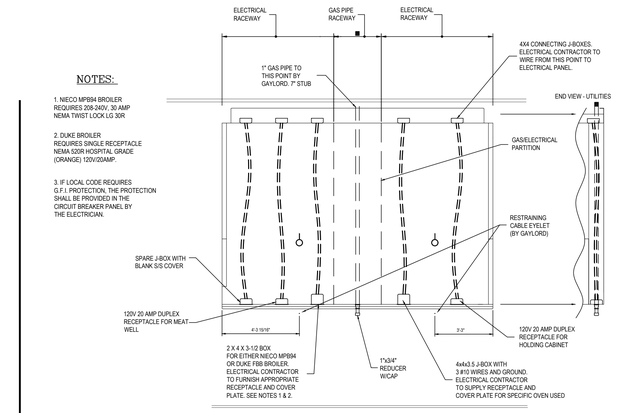


BROILER/OVEN EXHAUST FAN SPECS
COOK MODEL 120CP-BK: 1000 CFM, 1.50" S.P.
CCW ROTATION, 1 HP 208V/1 PHSE MOTOR, UL 762, HI TEMP EZ CLEAN COAT, STEEL ACCESS DOOR, HANGING GREASE TROUGH, PREWIRED NEMA DISCONNECT, TOP HORIZONTAL DISCHARGE WITH PUNCHED UL762 FLANGE, CURB CAP & INLET BOX, ROOF CURB, AND PRE-WIRED CURRENT SENSOR

ROOF CURB SPECS
COOK MODEL RCG-26.5x26.5x13.5
NO NAILER

NOTE 1
U.L. LISTED GREASE EXHAUST DUCT MANUFACTURED BY METAL-FAB, MODEL SG SERIES LISTED FOR "0" TO COMBUSTIBLES.

BROILER HOOD SECTION VIEW
SHOWN WITH DUKE BROILER



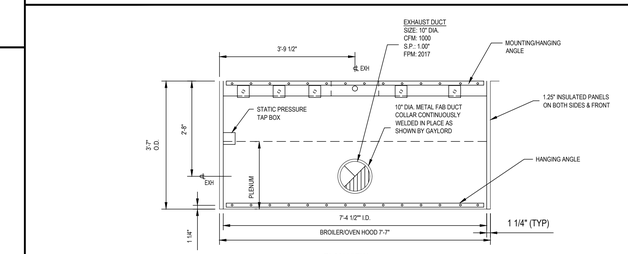
NOTES:

1. NIECO MPB94 BROILER REQUIRES 208-240V, 30 AMP NEMA TWIST LOCK LG 30R

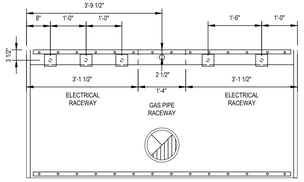
2. DUKE BROILER REQUIRES SINGLE RECEPTACLE NEMA 520R HOSPITAL GRADE (ORANGE) 120V/20AMP.

3. IF LOCAL CODE REQUIRES G.F.I. PROTECTION, THE PROTECTION SHALL BE PROVIDED IN THE CIRCUIT BREAKER PANEL BY THE ELECTRICIAN.

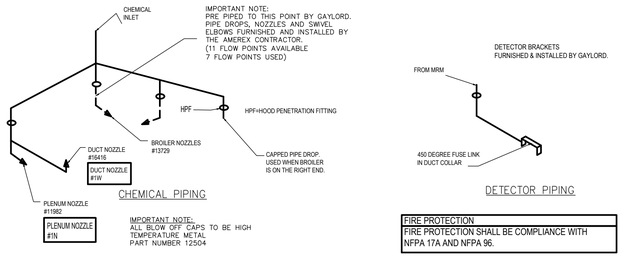
FRONT ELEVATION - UTILITY CHASE



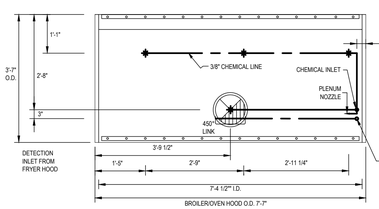
PLAN VIEW



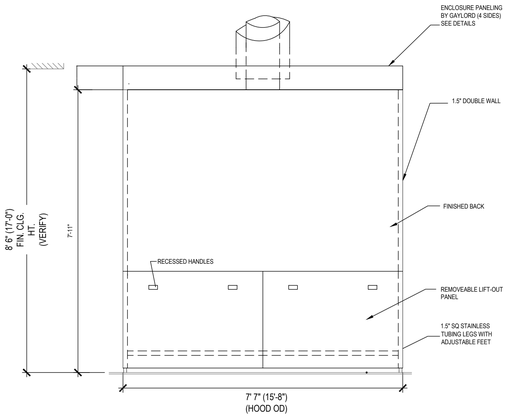
PLAN VIEW - UTILITIES



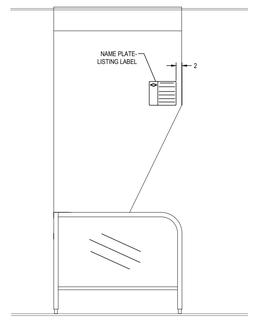
BROILER/OVEN HOOD
AMEREX KP FIRE SYSTEM PRE-PIPING DETAILS
ANSUL R102 SHOWN IN BOXED NOTATIONS



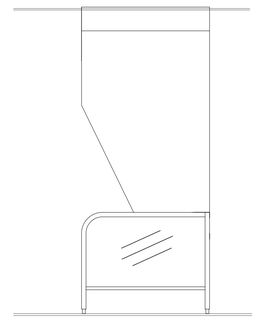
BROILER/OVEN HOOD PLAN VIEW - FIRE SYSTEM PIPING LOCATIONS



REAR ELEVATION VIEW WITH ENCLOSURE PANEL

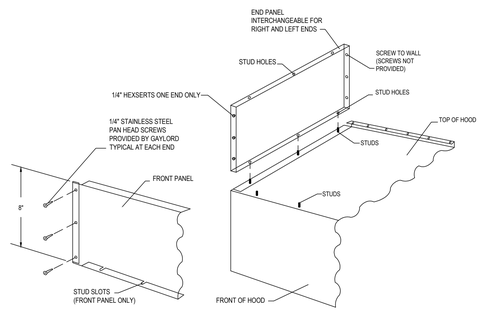


BROILER/OVEN HOOD LEFT END VIEW



BROILER/OVEN HOOD RIGHT END VIEW

BROILER/OVEN HOOD SIDE PANEL AND LABELING DETAIL



IMPORTANT NOTE: ENCLOSURE SIZES ABOVE ARE BASED ON FINISHED CEILING HEIGHT OF 8' 6" (102"). VERIFY SITE CONDITIONS.

BROILER HOOD ENCLOSURE PANELS
INSTALLATION INSTRUCTIONS

BY	DATE
DESCRIPTION	
REV.	

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p: 574.293.7782
ENGINEERING: CA32769

BURGER KING - #
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LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

TYPE-I BROILER HOOD DETAILS

DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

M301

4 BANK UNIVERSAL FREE STANDING FRYER HOOD

FRYER HOOD MODEL: CGX-AB-DS-4 (BK)

DESIGNED FOR: BURGER KING CORPORATION

MANUFACTURED BY: GAYLORD INDUSTRIES

FRYER HOOD SPECIFICATIONS

THE GAYLORD VENTILATOR MODEL "CGX-AD-DS-4 (BK)' IS DESIGNED SPECIFICALLY FOR FRYERS . THE VENTILATOR IS A HIGH VELOCITY, LOW AIR VOLUME CENTRIFUGAL GREASE EXTRACTOR UTIL-IZING REMOVABLE "EXTRACTOR INSERTS" HAVING A GREASE EXTRACTION EFFICIENCY OF 90%. THE EXTRACTOR INSERTS ARE CONSTRUCTED OF STAINLESS STEEL AND ARE EASILY REMOVED FOR CLEANING. THE VENTILATOR IS CONSTRUCTED OF 18 GAUGE STAINLESS STEEL TYPE 304 NUMBER 4 FINISH, AND IS PRE-PIPE FOR ANSUL R-102 FIRE PROTECTION SYSTEM. ALL EXPOSED PIPING IS CHROME SLEEVED AND FITTINGS CHROME PLATED. THE VENTILATOR IS U. L. AND NSF LISTED. TESTED UNDER U. L. 710 AND MEETS ALL REQUIREMENTS OF NFPA-96. A 16 GAUGE ALL WELDED TWO PIECE ALUMINIZED STEEL EXHAUST DUCT IS SUPPLIED.

HOOD LISTING AND APPROVAL REFERENCE

UNDERWRITERS LABORATORIES, INC. (UL)

THIS EXHAUST HOOD, MODEL CGX-AB-DS-4 (BK) , HAS BEEN TESTED TO U.L. STANDARD 710 "EHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT".THE HOOD IS U.L. LISTED UNDER THE CATAGORY "EXAUST HOODS WITHOUT EXHAUST DAMPERS" UNDER GAYLORD FILE NUMBER MH13522.

NATIONAL FIRE PROTECTION ASSOCIATION (NSF)

THIS HOOD MEETS ALL REQUIREMENTS OF NFPA-96 "STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS.

NSF

THIS HOOD IS LISTED BY NSF, NATIONAL SANITATION FOUNDATION.

U.L. LISTED AIR VOLUMES

THE U.L. LISTED AIR VOLUMES FOR MODEL CGX-AB-DS-4 (BK) IS 150 CFM PER LINEAR FT. OF HOOD FOR GAS FRYERS AND 100 CFM PER LINEAR FT. FOR ELECTRIC FRYERS.

MECHANICAL CODES

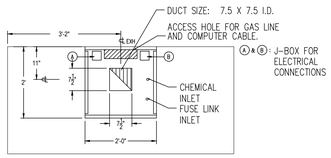
THIS HOOD MEETS ALL REQUIREMENTS OF THE UMC, BOCA, AND IMC MECHANICAL CODES.

CITY AND STATE APPROVALS

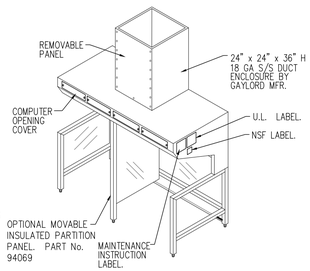
CALIFORNIA – OFFICE OF THE STATE FIRE MARSHALL LISTING NO. 04145-0253:001
CITY OF NEW YORK MEA NO. 113-89-M

EXHAUST VOLUME SCHEDULE

COOKING EQUIPMENT:	CFM:	STATIC PRESURE AT DUCT COLLAR	FPM AT DUCT COLLAR	FPM AT FRONT INLET SLOT
ELECTRIC FRYERS	600	.75	1500	200
GAS FRYERS	900	1.25	2250	300

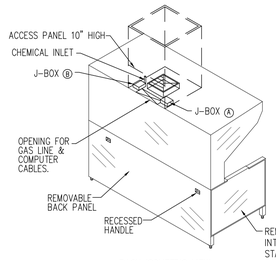


PLAN VIEW
(NOT TO SCALE)



FRONT ISOMETRIC VIEW
(NOT TO SCALE)

NOTE:
LIKE BOILER HOOD 18" CLEARANCE



BACK ISOMETRIC VIEW
(NOT TO SCALE)

PRINCIPLE OF OPERATION

GREASE EXTRACTION

THE GAYLORD VENTILATOR MODEL "CGX-AB-DS-4 (BK)" EXTRACTS 90% OF THE GREASE PARTICLES FROM THE AIR STREAM BY CENTRIFUGAL FORCE. THIS IS A ACCOMPLISHED BY USING UNIQUE, REMOVABLE STAINLESS STEEL "EXTRACTOR INSERTS" WHICH INCORPORATE A SERIES OF HORIZONTAL BAFFLES. AS THE AIR MOVES THROUGH THE EXTRACTORS AT HIGH SPEED, IT IS FORCED TO MAKE A SERIES OF TURNS AROUND THESE BAFFLES, FORCING THE HEAVIER-THAN-AIR PARTICLES OF GREASE TO BE THROWN OUT OF THE AIR STREAM BY CENTRIFUGAL FORCE. THE STICKY GREASE REMAINS IN THE EXTRACTOR AND THE LIQUEFIED GREASE DRAINS DOWN INTO THE GREASE GUTTER AND INTO THE GREASE CUP.

CLEANING

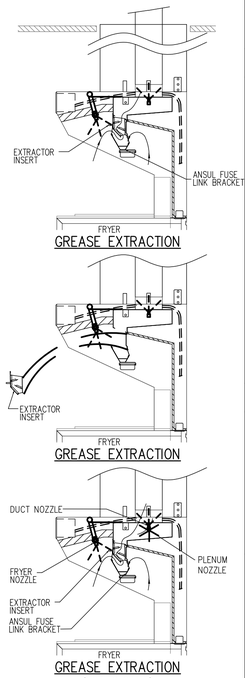
AT THE END OF THE COOKING DAY, THE EXTRACTOR INSERTS ARE REMOVED AND WASHED OR SOAKED AND THEN RINSED OFF AND REPLACED.

FIRE PROTECTION

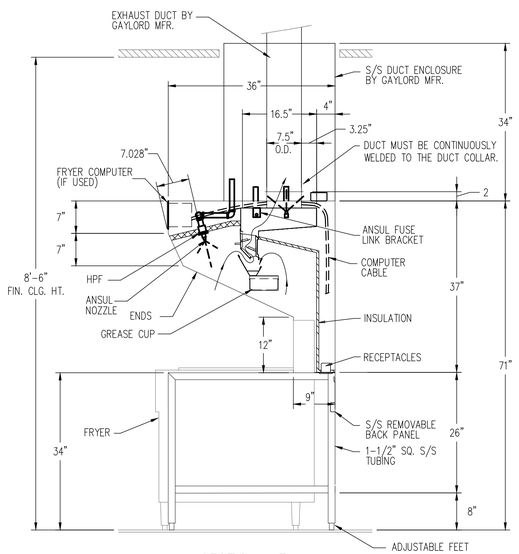
THE VENTILATOR IS FACTORY PRE-PIPE FOR AN ANSUL R-102 FIRE PROTECTION SYSTEM. THERE IS ONE NOZZLES FOR EACH FRYER, ONE FOR THE VENTILATOR PLENUM AND ONE FOR THE EXHAUST DUCT COLLAR. THE SYSTEM MEETS ALL REQUIREMENTS OF NFPA-96 AND NFPA-17A.

CAPTURE EFFECTIVENESS

THE GAYLORD VENTILATOR MODEL "CGX-AB-DS-4 (BK)' IS LOW AIR VOLUME ENERGY SAVING VENTILATOR WHICH HAS BEEN DESIGNED SPECIFICALLY FOR FRYERS AND WILL EFFECTIVELY REMOVE ALL OF THE SMOKE AND GREASE LADEN AIR GENERATED BY COOKING PROCESS WHEN OPERATED AT DESIGNED VOLUMES.

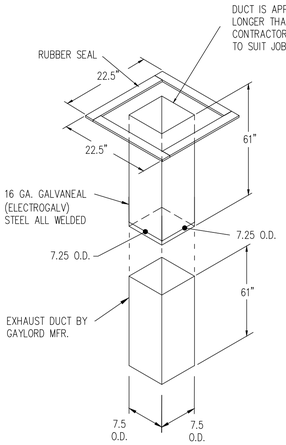


(NOT TO SCALE)

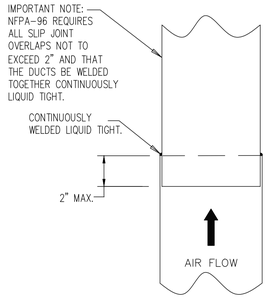


SECTION VIEW
(NOT TO SCALE)

NOTE:
EXHAUST DUCT IS SUPPLIED BY GAYLORD AS STANDARD EQUIPMENT WHEN USED IN A STANDARD SINGLE STORY APPLICATION. SPECIFY IF NOT REQUIRED. USE U.L. LISTED FOR "0" CLEARANCE EXHAUST DUCT SYSTEM IF REQUIRED



EXHAUST DUCT
(NOT TO SCALE)

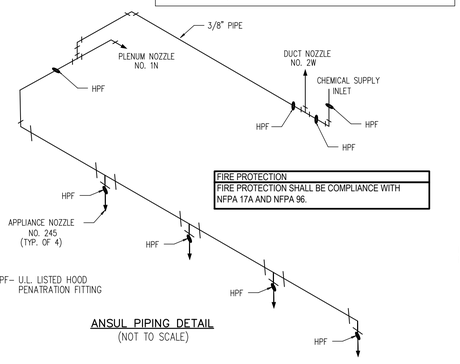


SECTION VIEW OF SLIP JOINT
(NOT TO SCALE)

IMPORTANT NOTE:

THIS HOOD MEETS THE REQUIREMENTS OF STANDARD UL300

HOOD IS PRE-PIPED USING 245 NOZZLES (PART No. 419339) FOR OVERLAPPING FRYER PROTECTION. (IF A GRIDDLE IS USED IN PLACE OF FRYER, NOZZLES MUST BE CHANGED BY THE ANSUL FIELD INSTALLER TO 290 NOZZLES, PART No. 418120). (11 FLOW POINTS AVAILABLE 7 POINTS USED)



NOTE: HPF- U.L. LISTED HOOD PENATRATION FITTING

ANSUL PIPING DETAIL
(NOT TO SCALE)

FIRE PROTECTION
FIRE PROTECTION SHALL BE COMPLIANCE WITH NFPA 17A AND NFPA 96.

INSTALLATION INSTRUCTIONS

1. POSITION VENTILATOR IN PROPER LOCATION. LEVEL THE VENTILATOR BY TURNING THE ADJUSTMENT LEGS.
2. THE EXHAUST DUCT IS PROVIDED IN A TWO PIECE TELESCOPING DESIGN TO FACILITATE DIFFERENT HOOD TO ROOF DIMENSIONS. DETERMINE THE OVERALL LENGTH REQUIRED AND CUT ONE SECTION ALLOWING 1" OF DUCT TO SLIP INTO THE HOOD DUCT COLLAR AND NO MORE THAN 2" OVERLAP AT THE SLIP JOINT. CONTINUOUS WELD THE SLIP JOINT LIQUID TIGHT.
3. SLIDE EXHAUST DUCT DOWN THROUGH CURB AND INTO EXHAUST DUCT COLLAR. CONTINUOUS WELD EXHAUST DUCT TO DUCT COLLAR LIQUID TIGHT.
4. MOUNT EXHAUST FAN.
5. INSTALL GAS PIPE DOWN THROUGH OPENING BEHIND EXHAUST DUCT.
6. MAKE ELECTRICAL CONNECTIONS TO J-BOX Ⓐ&Ⓑ LOCATED ON TOP OF HOOD.
7. MAKE ALL ANSUL CONNECTIONS. (MUST BE DONE BY AUTHORIZED ANSUL INSTALLER).
8. INSTALL STAINLESS STEEL DUCT ENCLOSURE.

CHECK OUT INSTRUCTIONS

1. ENSURE THAT THE VENTILATOR IS INSTALLED IN THE PROPER RELATIONSHIP TO THE FRYERS AS SHOWN ON THE DRAWINGS.
2. CHECK TO MAKE SURE THAT THE EXTRACTOR INSERTS ARE IN PLACE PROPERLY. (REFER TO THE MAINTENANCE INSTRUCTION LABEL ON THE VENTILATOR).
3. ENSURE THAT THE AIR VOLUME OF THE VENTILATOR IS NO LOWER THAN THE VOLUME INDICATED ON THE DRAWINGS OR THE VENTILATOR NAME PLATE.

   THE EXHAUST VOLUME CAN BE CHECKED BY TAKING A VELOCITY READING ACROSS THE INLET SLOT USING AN ANOMOMETER AS SHOWN IN FIGURE 1. THE AVERAGE VELOCITY SHOULD BE NO LESS THAN SHOWN IN THE CHART EXHAUST VOLUME SCHEDULE.

   SMOKE CAPTURE AND GREASE EXTRACTION EFFICIENCY ARE DEPENDENT UPON THE PROPER AIR VELOCITY AT THE INLET SLOT OF THE VENTILOR

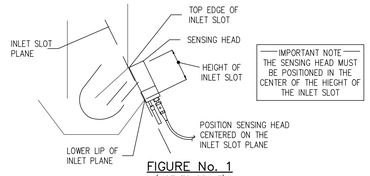
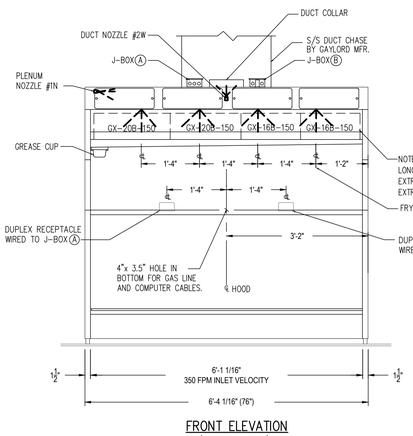


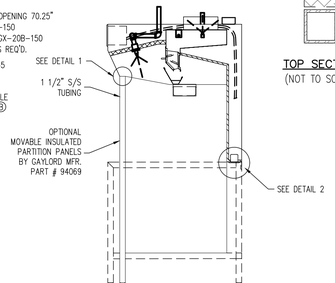
FIGURE No. 1
(NOT TO SCALE)



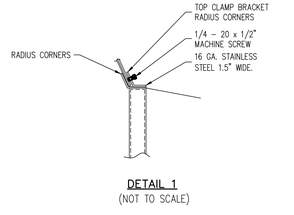
FRONT ELEVATION
(NOT TO SCALE)

IMPORTANT NOTE REGARDING OPTIONAL MOVABLE INSULATED PARTITION PANELS

MOVABLE PARTITION PANELS ARE REQUIRED WHEN A FRENCH FRY DISPENSING UNIT IS USED UNDER THE HOOD. A PANEL IS REQUIRED BETWEEN THE DISPENSING UNIT AND ADJACENT FRYERS. DEPENDING UPON THE LOCATION OF THE FRY DISPENSING UNIT, ONE OR TWO PANELS WILL BE REQUIRED. THE PANELS ARE DESIGNED FOR POSITIONING AT ANY POINT ALONG THE LENGTH OF THE HOOD. ORDER THE PANELS BY PART # 94069.

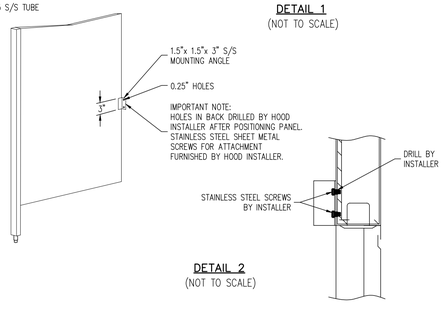


SECTION VIEW AT PARTITION



TOP SECTION
(NOT TO SCALE)

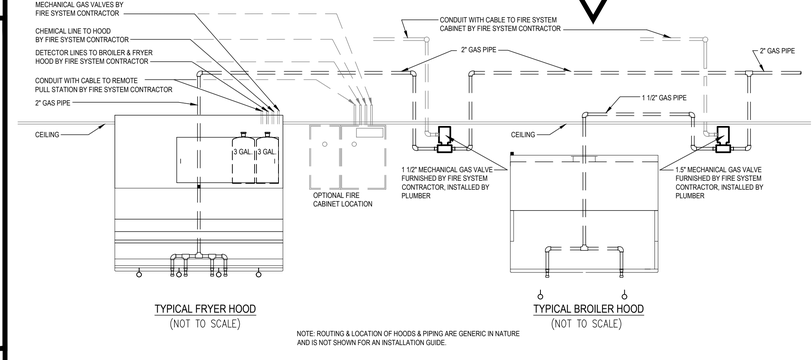
DETAIL 1
(NOT TO SCALE)



DETAIL 2
(NOT TO SCALE)

COMMON DETAILS

FRYER/HOOD DETAILS



TYPICAL FRYER HOOD
(NOT TO SCALE)

TYPICAL BROILER HOOD
(NOT TO SCALE)

NOTE: ROUTING & LOCATION OF HOODS & PIPING ARE GENERIC IN NATURE AND IS NOT SHOWN FOR AN INSTALLATION GUIDE.

TYPICAL STANDARD HOOD MOUNTED FIRE SYSTEM ARRANGEMENT USING ONE SYSTEM TO SERVE BOTH HOODS

REV.	DESCRIPTION	BY	DATE

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p: 574.293.7762
ENGINEERING: CA3769

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LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

TYPE-I FRYER HOOD & COMMON HOOD DETAILS

DESIGNED BY:

REVIEWED BY: DEB, SJV

DRAWN BY:

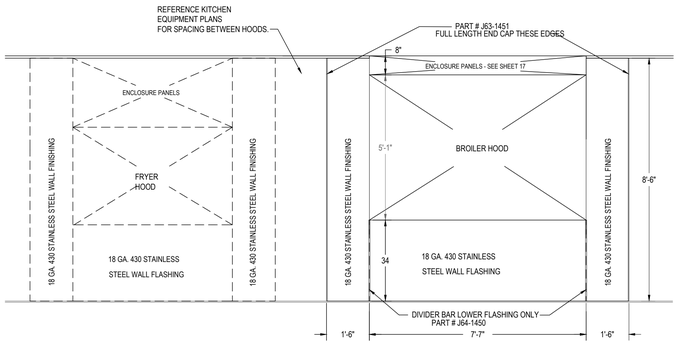
DATE: JULY 8, 2021

JOB NUMBER: 2021-0194

SCALE: AS NOTED

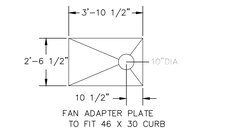
M401

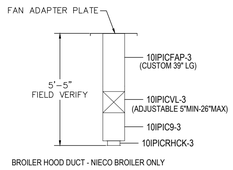
COMMON DETAILS CONT'D



WALL FLASHING DETAIL

PROVIDED BY GAYLORD





BROILER HOOD DUCT - NIECO BROILER ONLY

METAL-FAB DUCT COMPONENTS

BROILER

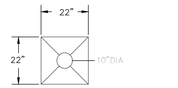
NOTES:
1. METAL-FAB GREASE DUCT IS UL LISTED FOR 0" CLEARANCE TO COMBUSTIBLES:
> UL 1978
> UL 2221
> UL FILE #MH25506

2. INSTALLATION INSTRUCTIONS ARE INCLUDED WITH THE METAL-FAB PRODUCT. THESE INSTRUCTIONS CAN ALSO BE FOUND AT http://www.metal-fabcommercial.com/media/L2502.pdf

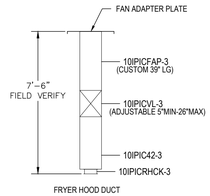
3. ADDITIONAL METAL-FAB INFORMATION CAN BE OBTAINED BY VISITING www.greaseduct.com OR CALLING 800-835-2830

4. (FRYER HOOD ONLY) THE MAXIMUM DISTANCE FROM THE RESTAURANT FLOOR TO THE TOP OF THE ROOF DECK THAT THIS COMBINATION OF DUCT COMPONENTS AND HOOD WILL FIT IS 13'-10" (166"). VERIFY PRIOR TO ORDERING PRODUCT. THIS COMBINATION WILL FIT PROTOTYPICAL ROC AND ROC 20/20 ROOF DECK HEIGHTS. IF THE BUILDING IS A 20/20 EDGE OR A NON-STANDARD ROC BUILDING, ADDITIONAL SPOOLS MAY BE NECESSARY FOR ADDITIONAL COST. CONTACT GAYLORD FOR INFORMATION.

5. (BROILER HOOD ONLY) THE MAXIMUM DISTANCE FROM THE RESTAURANT FLOOR TO THE TOP OF THE EXHAUST CURB THAT THIS COMBINATION OF DUCT COMPONENTS AND HOOD WILL FIT IS 13'-9" (165"). VERIFY PRIOR TO ORDERING PRODUCT. ADDITIONAL SPOOL PIECES CAN BE ADDED FOR REACHING GREATER DISTANCES.



FAN ADAPTER PLATE
TO FIT 22 X 22 CURB



FRYER HOOD DUCT

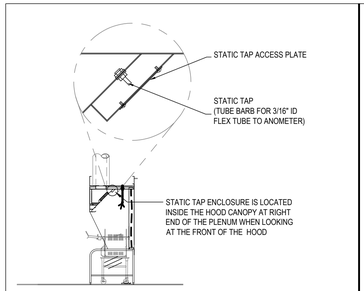
METAL-FAB DUCT COMPONENTS

FRYER

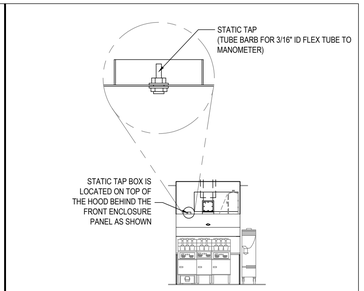
PRE-FAB DUCT KIT

METAL FAB GREASE RATED MANUFACTURED DUCT

U.L. LISTED FOR "0" CLEARANCE TO COMBUSTIBLES

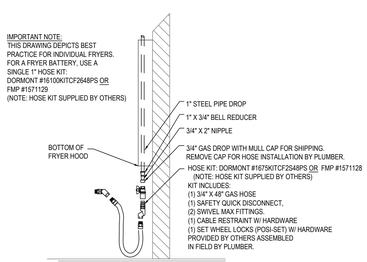


GAYLORD RECOMMENDS MEASURING THE STATIC PRESSURE IN THE PLENUM AS THE MEANS BY WHICH TO DETERMINE EXHAUST FLOW.
THE STATIC TAP IS ACCESSED BEHIND A PLATE LOCATED AS SHOWN IN THE DRAWING TO THE LEFT.
REQUIREMENTS:
1. A MANOMETER THAT READS IN INCHES OF WATER COLUMN AND A 3/16" ID FLEXIBLE TUBE TO CONNECT THE STATIC TAP TO THE MANOMETER.
2. READING MUST BE TAKEN AT ROOM TEMPERATURE WITH COOKING EQUIPMENT OFF & COOL.
THE PROPER STATIC PRESSURE READING FOR THE 620 CFM SPECIFIED FOR
THIS HOOD = 0.11 TO 0.14 IN W.G.

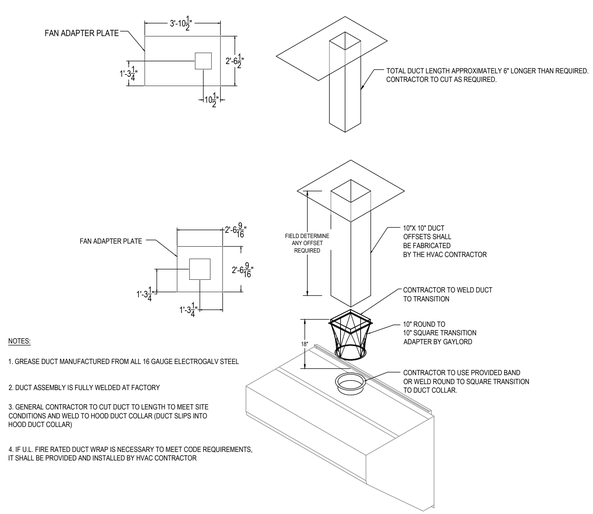


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2. READING MUST BE TAKEN AT ROOM TEMPERATURE WITH COOKING EQUIPMENT OFF & COOL.
THE PROPER STATIC PRESSURE READING FOR THE 850 CFM SPECIFIED FOR
THIS HOOD = 0.33 TO 0.37 IN W.G.

PROCEDURE TO CONFIRM HOOD EXHAUST VOLUME



TYPICAL GAS APPLIANCE CONNECTION



NOTES:
1. GREASE DUCT MANUFACTURED FROM ALL 16 GAUGE ELECTROGALV STEEL
2. DUCT ASSEMBLY IS FULLY WELDED AT FACTORY
3. GENERAL CONTRACTOR TO CUT DUCT TO LENGTH TO MEET SITE CONDITIONS AND WELD TO HOOD DUCT COLLAR (DUCT SLIPS INTO HOOD DUCT COLLAR)
4. IF U.L. FIRE RATED DUCT WRAP IS NECESSARY TO MEET CODE REQUIREMENTS, IT SHALL BE PROVIDED AND INSTALLED BY HVAC CONTRACTOR

"OPTIONAL" SQUARE GREASE DUCT KIT

USE THIS SHOP FABRICATED DUCT WHEN MANUFACTURED METAL-FAB DUCT IS NOT USED.

NOTES:
1. BANDING MATERIAL, 3/4" WIDE, MINIMUM 0.015" THICK, CARBON STEEL FOR CONSTRUCTION REQUIREMENTS OF ZERO CLEARANCE TO COMBUSTIBLES OR 1 HR. RATINGS. STAINLESS STEEL BANDING IS USED FOR 2 HR. REQUIREMENTS.

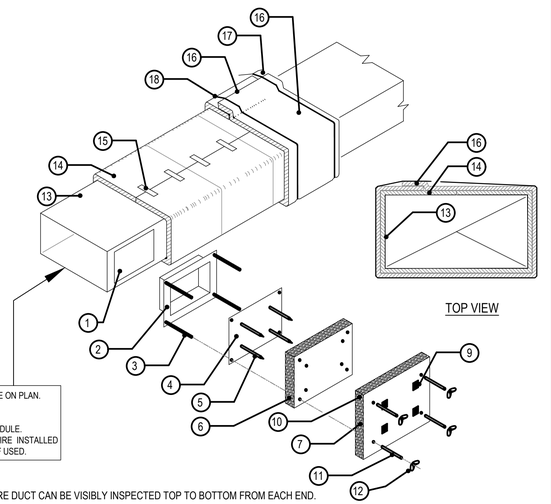
	LEGEND
1	DOOR HOLE
2	ACCESS FRAME WELDED TO DUCT
3	0/4" DIA. ALL THREAD RODS
4	ACCESS COVER: 16 GA.
5	INSULATION PINS: WELDED
6	FIRE BARRIER INSULATION (SEE NOTE 2)
7	FIRE BARRIER INSULATION 1" OVERLAP (SEE NOTE 2)
8	-
9	SPEED CLIPS
10	ALUMINUM TAPE EDGES
11	SPOOL PIECES FOR THREADED RODS
12	1/4" DIA. WING NUTS
13	16 GA. SHEET METAL DUCT (FULLY WELDED WATER TIGHT)
14	1ST LAYER 3M FIRE BARRIER DUCT WRAP 615 PLUS, OR FIRE MASTER FAST WRAP XL BY MORGAN ADVANCE MATERIALS, LONGITUDINAL JOINT BUTT OR MIN. 3" OVERLAP ON INNER LAYER, MIN. 3" OVERLAP ON OUTER LAYER
15	3/4" (19mm) WIDE FILAMENT TAPE
16	2ND LAYER 3M FIRE BARRIER DUCT WRAP 615 PLUS, OR FIRE MASTER FAST WRAP XL BY MORGAN ADVANCE MATERIALS, OR APPROVED EQUIVALENT
17	3" MINIMUM PERIMETER OVERLAP - TYP.
18	STEEL BANDING 1/2" WIDE MIN. TYP. FOR PERMANENT FASTENING

NOTE: DUCT ENCLOSURE SYSTEMS SHALL COMPLY WITH ASTM E 2336 TESTING STANDARDS.

2. 3M FIRE BARRIER DUCT WRAP 615+, OR FIRE MASTER WRAP XL BY MORGAN ADVANCE MATERIALS, 1-1/2" THICK, 24" OR 48" WIDE, 300" STANDARD LENGTH (2 LAYERS) 6 LBS PER CUBIC FT TO BE UTILIZED.

3. HOLD INTERIOR WRAP OF INSULATION USING 1" WIDE FILAMENT TAPE (NO. 898) MANUFACTURED BY 3M COMPANY.

4. SEAL CUT EDGES OF BLANKET WITH ALUMINUM FOIL TAPE.



FULLY WELDED GREASE RATED EXHAUST DUCT. SEE SIZE ON PLAN.
RISER SHALL BE LIGHT INSPECTED LAYING ON FLOOR.
FULLY PREPARE FOR SCHEDULED INSPECTION.
HVAC CONTRACTOR SHALL VERIFY TEST PRIOR TO SCHEDULE.
THE USE OF U.L. LISTED PREFABBED DUCT BY CAPTIVE AIRE INSTALLED CORRECTLY MAY BE EXEMPT FROM LIGHT INSPECTION IF USED.

NOTE: ACCESS COVER REQUIRED AT CHANGE WHERE DUCT CAN BE VISIBLY INSPECTED TOP TO BOTTOM FROM EACH END.

1 — 1 HR. FIRE WRAP ("0" CLEARANCE) TO COMBUSTIBLES - INSTALLATION DETAIL

NOT TO SCALE

BK ROC Hood / Ex Fan / Fire System / HVAC Control Matrix as of 5-12-09

	Reaction					
Action	Ex Fan	Electric Pwr to Cooking Equip.	Mech. Gas Valve	HVAC Units	Make up air unit (if applicable)	Comments
Fan sw. turned on	On	On	On	On	On	Note: HVAC Units must be on before ex fan can come on
Fan sw. turned off	Off	Off	On	On	Off	
Fire system discharges	On	Off	Off	Off	Off	
Slipping fan belt	On	Off	On	On	Off	Pwr to cooking equip. off via current sensor
Broken fan belt	On	Off	On	On	Off	Pwr to cooking equip. off via current sensor
Power outage	Off	Off	On	Off	Off	
HVAC system turned off	Off	Off	On	Off	Off	

NO.	DESCRIPTION	BY	DATE
.			

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ARCHITECTURAL: AA26003736
JPR
Elkhart, IN p: 574.293.7762
ENGINEERING: CA32769

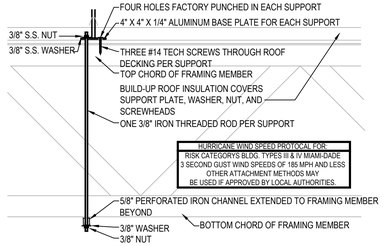
BURGER KING - #
13721 U.S. HIGHWAY 441 SOUTH
LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

TYPE-I BROILER HOOD DETAILS

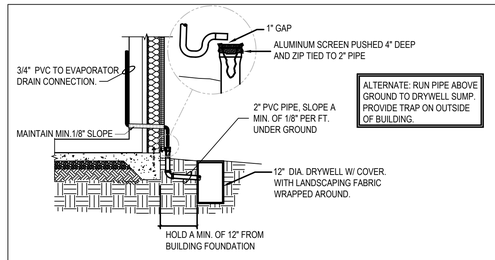
DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

M501



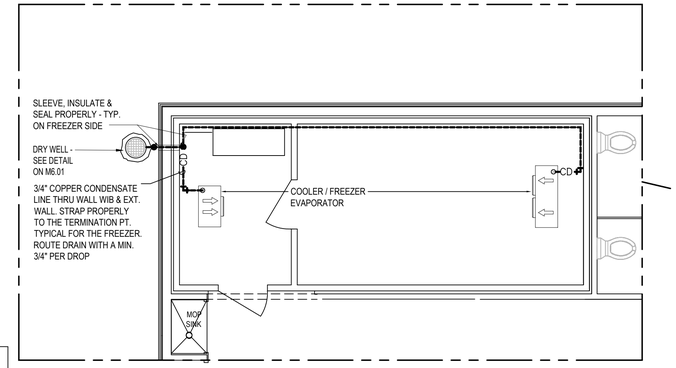
REFRIGERATION EQUIP. SECURING TO STRUCT.

NOT TO SCALE



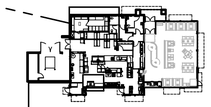
REFRIGERATION EQUIP. CONDENSATE DISPOSAL DETAIL

NOT TO SCALE



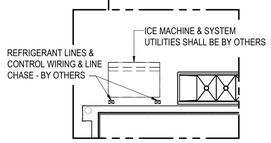
WALK-IN REFRIGERATION PLAN

SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24"



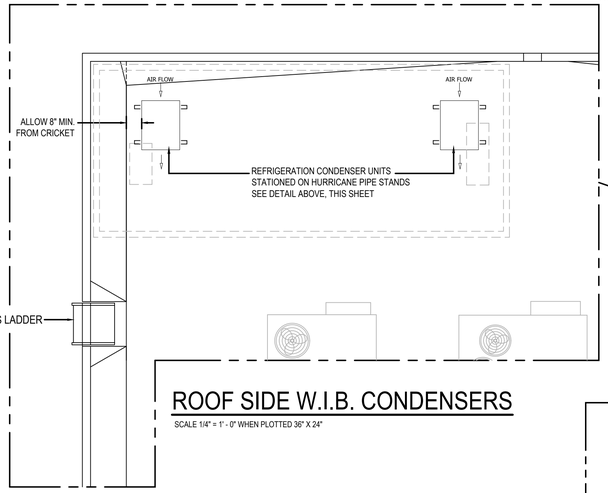
KEY PLAN

SCALE 1/16" = 1' - 0" WHEN PLOTTED 36" X 24"



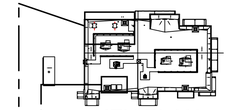
ICE MACHINE

SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24"



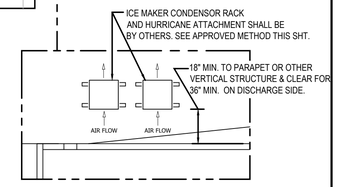
ROOF SIDE W.I.B. CONDENSERS

SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24"



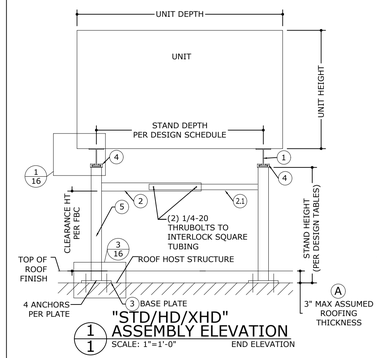
KEY PLAN

SCALE 1/16" = 1' - 0" WHEN PLOTTED 36" X 24"



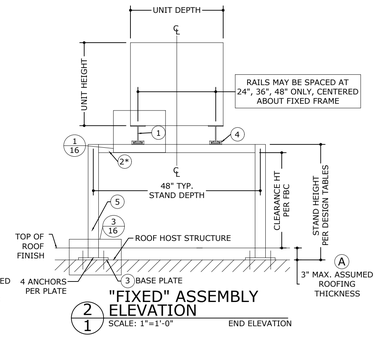
ROOF SIDE ICE MACHINE CONDENSER

SCALE 1/4" = 1' - 0" WHEN PLOTTED 36" X 24"



"STD/HD/XHD" ASSEMBLY ELEVATION

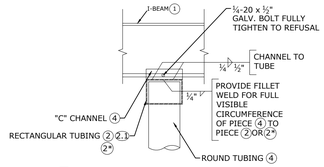
SCALE: 1"=1'-0"



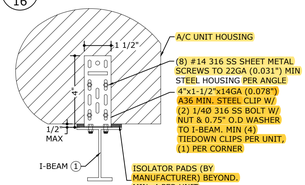
"FIXED" ASSEMBLY ELEVATION

SCALE: 1"=1'-0"

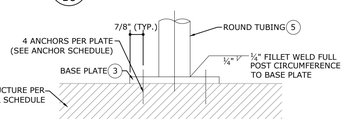
FRAME ASSEMBLY & UNIT TIE-DOWN DETAILS:



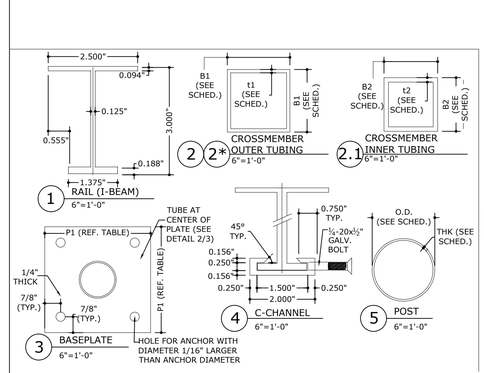
FRAME ASSEMBLY DETAIL

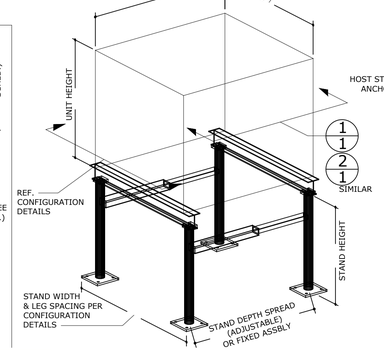


A/C UNIT TIE-DOWN DETAIL



BASE PLATE DETAIL





ALUMINUM ROOFTOP EQUIPMENT STAND
AVAILABLE FROM: PRECISION ALUMINUM PRODUCTS, INC.
1339 SW 1ST. WAY
DEERFIELD BEACH, FL. 33441
FLORIDA PRODUCT APPROVAL FL#16921.1

REFRIGERATION PIPE STAND - HURRICANE RATED

NOT TO SCALE

STAND TYPE/COMPONENT SCHEDULE

PART	DESCR.	STAND TYPE			
		XHD	HD	STD	HD FIXED
3	BASEPLATE SIZE (P1 X P1)	6" X 6"	5" X 5"	*4" X 4" UP TO 24" STAND HT *5" X 5" FOR 30" STAND HT	5" X 5"
5	POST SIZE (OD X THK)	1.9" x 0.200"	1.9" x 0.145"	1.5" x 0.090"	1.9" x 0.145"

LEGEND:
- "HD"= HEAVY DUTY
- "STD" = STANDARD
- "XHD"= EXTRA HEAVY DUTY

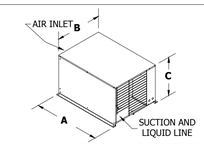
CONDENSING UNIT

COMPARTMENT DESCRIPTION	TEMP F WI	QTY	MODEL#	COMPRESSOR TYPE	DIMENSIONS L (A)	W (B)	H (C)	LBS	COMPRESSOR HP	RLA	LRA	V	HZ		CONDENSER FAN MTR FLA	V		TOTAL AMPS	MX AMP DISC	CONNECTIONS O.D. SUCT	LIQ	RCV CAP @ 90% FULL (lbs)
Freezer -10	-10	1	PCL199LOP-3	Hermetic	33	25.5	19.25	186	2	10.2	72.2	208-230	60	3	1.1	208-230	1	11.6	20	7/8	3/8	10.2
Cooler +35	35	1	PCL49MOP-2	Hermetic	33	25.5	19.25	146	1/2	5.1	26.5	208-230	60	1	0.5	208-230	1	5.7	15	5/8	3/8	5.8

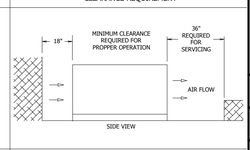
UNIT COOLER

COMPARTMENT DESCRIPTION	TEMP F WI	QTY	MODEL # (DEFROST: A-AIR E-ELECTRIC)	DIMENSIONS L (D)	W (E)	H (F)	LBS	FAN AMP	V	HEATER AMP	V		CONNECTIONS O.D. SUCT	LIQ	DRAIN
Freezer -10	-10	1	EL26-75-2EC-PCL-4	41.5	15	15.25	67	0.9	208-230	7	208-230	1	7/8	3/8	3/4
Cooler +35	35	1	AM16-58-1EC-PCL-4	27.5	15	15.25	61	1.8	115	0	N/A	0	5/8	3/8	3/4

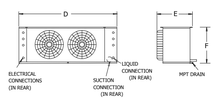
CONDENSING UNIT ASSEMBLY



CLEARANCE REQUIREMENT



EVAPORATOR - MODEL AM, EM, EL, AMB, ELB



JONES PETRINSKI
JPR
Elkhart, IN
p: 574.293.7762
South Bend, IN
p: 574.233.4388
Fort Wayne, IN
p: 260.422.2522
ARCHITECTURAL- AA26001736
ENGINEERING, CA13769

REV.	DESCRIPTION	BY	DATE

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3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619

W.I.B. REFRIGERATION DETAILS

DESIGNED BY:

REVIEWED BY: DEB, SJV

DRAWN BY:

DATE: JULY 8, 2021

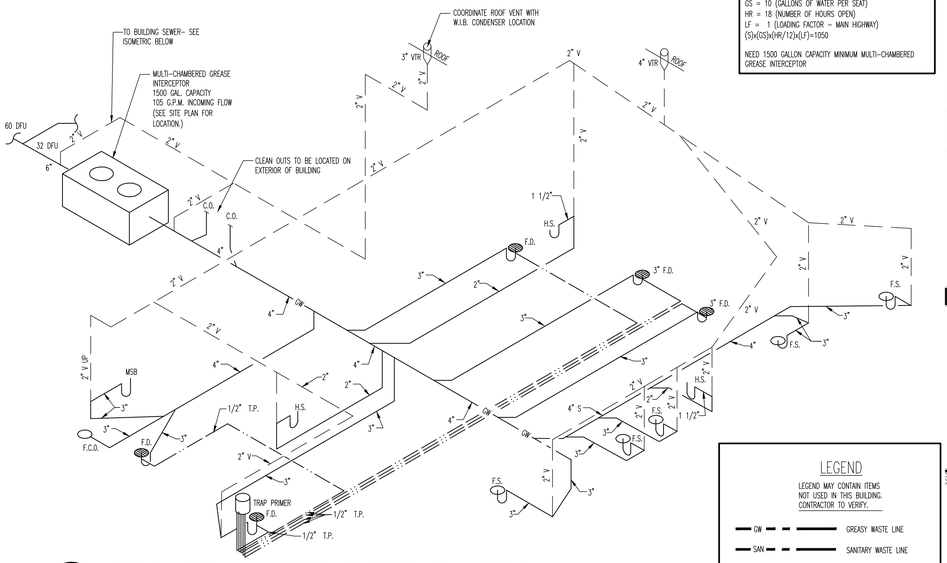
JOB NUMBER: 2021-0194

SCALE: AS NOTED

M601

2020 PLUMBING CODE SECTION 1003.3.5 (EXCEPTION PER RULE 64-6 ADMINISTRATIVE CODE SECTION (64E-6.0.1.7.d.1)
S = 70 (NUMBER OF SEATS IN DINING AREA)
GS = 10 (GALLONS OF WATER PER SEAT)
HR = 18 (NUMBER OF HOURS OPEN)
LF = 1 (LOADING FACTOR = MAIN HIGHWAY)
(S)x(GS)x(HR/12)x(LF)=1050

NEED 1500 GALLON CAPACITY MINIMUM MULTI-CHAMBERED GREASE INTERCEPTOR



GREASE WASTE RISER DIAGRAM

SCALE: NOT TO SCALE

NOTES:

1. PLUMBING CONTR. TO COORDINATE VENT STACKS WITH OUTSIDE AIR INTAKES OF A/C UNITS AND SUPPLY FANS & MAINTAIN AT LEAST 10'-0" MIN. CLEARANCE OR AS PER LOCAL CODE REQUIREMENTS.
2. INCREASE V.T.R.'S TO SIZE REQUIRED BY LOCAL CODES AND CONDITIONS AS REQUIRED FOR FROST ENCLOSURE.
3. PROVIDE 2" COPPER SAFEWASTE LINE FROM SODA FACTORY TO FLOOR DRAINS.
4. RUN SYRUP LINES FROM SODA FACTORY TO DRINK DISPENSER ABOVE CEILING.
5. PROVIDE SAFEWASTE LINE FOR HOT CHOCOLATE AND TEA DISPENSER IF REQ'D.
6. PROVIDE CONDENSATE LINES FROM A/C UNITS ABOVE CEILING ACCORDING TO LOCAL CODE REQUIREMENTS.
7. RESEAL FLOOR DRAINS ACCORDING TO LOCAL REQUIREMENTS.
8. SAFEWASTE PIPING ABOVE AND ALONG FLOOR SHALL BE SIZED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.
9. COORDINATE SAFEWASTE LINE CONNECTIONS WITH EQUIPMENT ROUGH-IN.
10. P.V.C. (SCHEDULE 40) PIPE CAN BE USED FOR VENTS AND WASTE ONLY IF APPROVED BY LOCAL BUILDING CODES. SEE SPECS. FOR ADD'L. INFO.
11. SEE FOUNDATION PLAN FOR EXACT LOCATION OF FLOOR DRAINS AND FLOOR SINKS.
12. IF WALK-IN-BOX CONDENSATE LINE IS REQUIRED BY LOCAL CODE,PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL 1 1/4" CONDENSATE LINE, AND SEAL AROUND ALL PENETRATIONS THROUGH THE WALK-IN-BOX.
13. HEAT TAPE IS PROVIDED BY WALK-IN-BOX MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR. IT IS TO BE SELF-LIMITING TYPE, "FROSTEX" OR EQUAL.
14. FOR UNDERGROUND SANITARY SEWER PROVIDE 1/8" PER FT. SLOPE FOR 3" PIPE & BIGGER AND 1/4" PER FT. SLOPE FOR 2" PIPE.
15. AC CONDENSATE LINE TO BE SET ON BLOCKS AND STRAPPED DOWN.

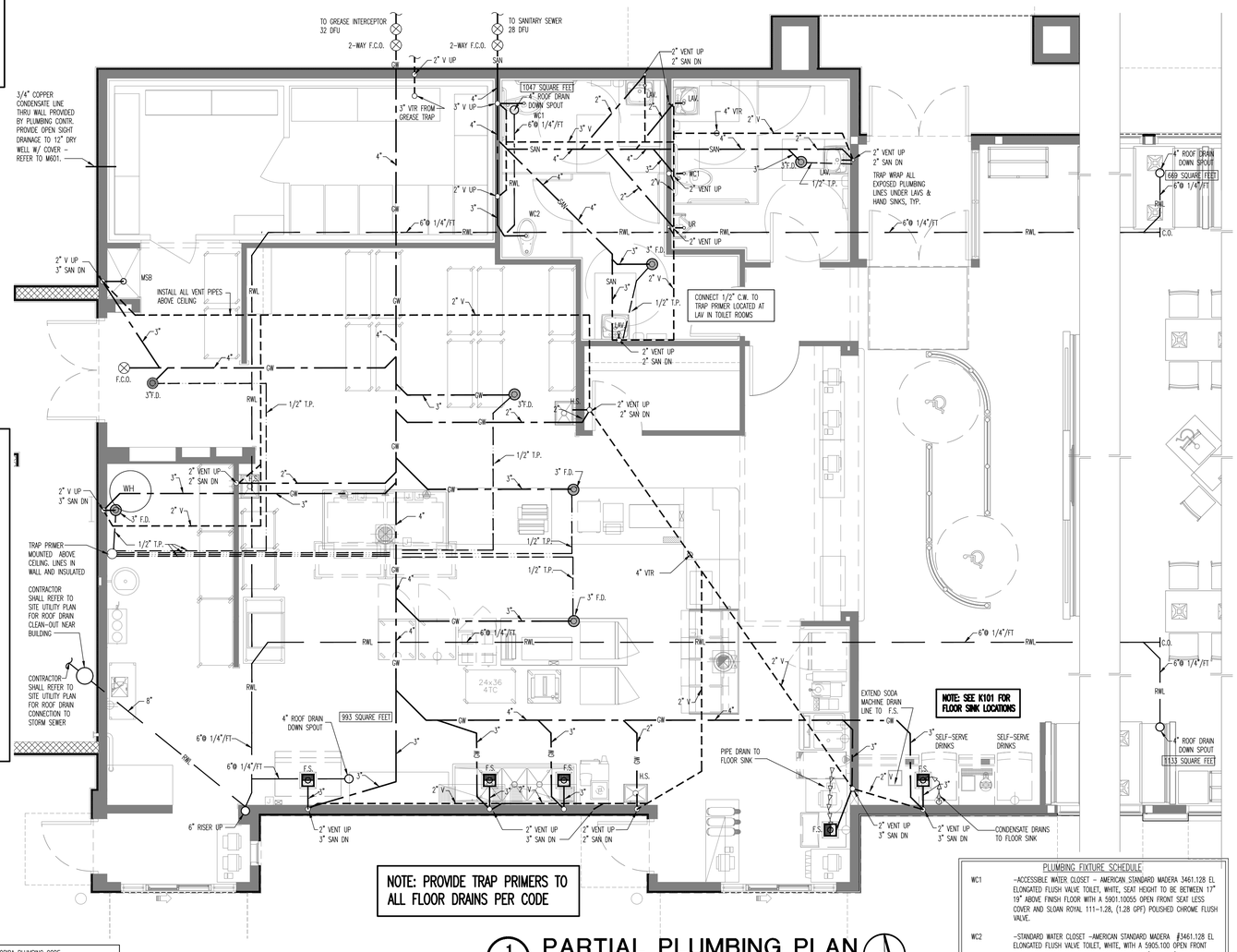
GENERAL PLUMBING NOTES

1. COLD WATER PIPING ABOVE GRADE SHALL BE TYPE 'L'HARD CIRCULAR TUBING CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND CAST OR WROUGHT FITTINGS. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER J.W. HARRIS "BRIDGIT" OR EQUAL. COLD WATER PIPING BELOW GRADE SHALL BE TYPE 'K' COPPER TUBING WITH CAST OR WROUGHT FITTINGS AND JOINTS SAME AS ABOVE GRADE. JOINTS SHALL NOT BE PERMITTED UNDER FLOOR SLABS. WATER PIPING BELOW GRADE THROUGH CONCRETE SHALL BE PROTECTED WITH PLASTIC SLEEVES.
2. SANITARY WASTE & VENT, AND STORM DRAIN SHALL BE SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS IF APPROVED BY LOCAL CODE OFFICIAL.
3. EXPOSED WATER PIPING IS PERMITTED IN THE STORAGE ROOM ONLY. SLOPE ALL WATER PIPING TO BACKFLOW TO THE MOP SINK FOR WINTERIZATION.
4. ALL HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE INSULATED PER PIPE INSULATION SCHEDULE ON P102.
5. STORM SEWER PIPING MAY BE HDPE PIPE BY ADS, HANCORE OR AS APPROVED BY ARCHITECT FROM SUBMITTAL INFO. PROVIDED BY CC.
6. ALL PIPING PENETRATING CEILING AND WALLS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
7. TOPS OF ALL FLOOR DRAINS AND CLEAN-OUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
8. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
9. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
10. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
11. PROVIDE WATER HAMMER ARRESTORS IN ACCESSIBLE LOCATION AT ALL QUICK CLOSING VALVES.
12. ALL EXPOSED PIPING SHALL BE INSTALLED A MINIMUM OF 1" AWAY FROM WALLS AND ALL OTHER PIPING.
13. PROVIDE STOPS ON ALL FIXTURE SUPPLY LINES.
14. PROVIDE SHUT OFF VALVE AT SUPPLY TO EACH TRAP PRIMERS WHICH SERVE ALL FLOOR DRAINS.
15. SANITARY SEWER PIPING SHALL SLOPE AS FOLLOWS:
    1/4" PER FOOT, MIN FOR 2 1/2" DIA. PIPE OR LESS.
    1/8" PER FOOT, MIN FOR 3" TO 6" DIA. PIPE.

LEGEND

LEGEND MAY CONTAIN ITEMS NOT USED IN THIS BUILDING. CONTRACTOR TO VERIFY.

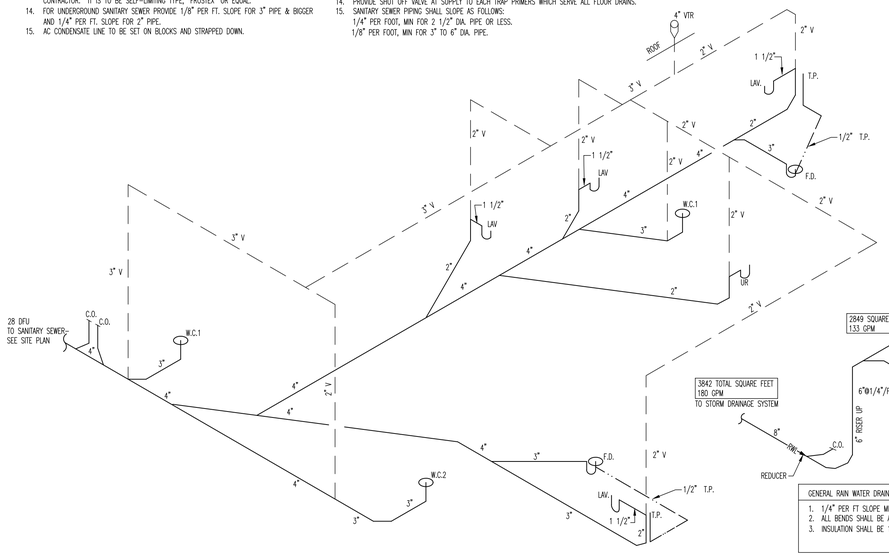
- GW — GREASY WASTE LINE
- SAN — SANITARY WASTE LINE
- SAFEWASTE PIPING
- F.C.O.– FLOOR CLEANOUT
- F.D.– FLOOR DRAIN
- F.S.– FLOOR SINK
- HUB OR FUNNEL DRAIN
- V.T.R.– VENT THRU-ROOF
- FIXTURE TRAP
- W.C.O.– WALL CLEAN OUT
- VENT PIPING
- TRAP PRIMER PIPING
- RWL — RAIN WATER LEAD LINE



NOTE: PROVIDE TRAP PRIMERS TO ALL FLOOR DRAINS PER CODE

PARTIAL PLUMBING PLAN

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



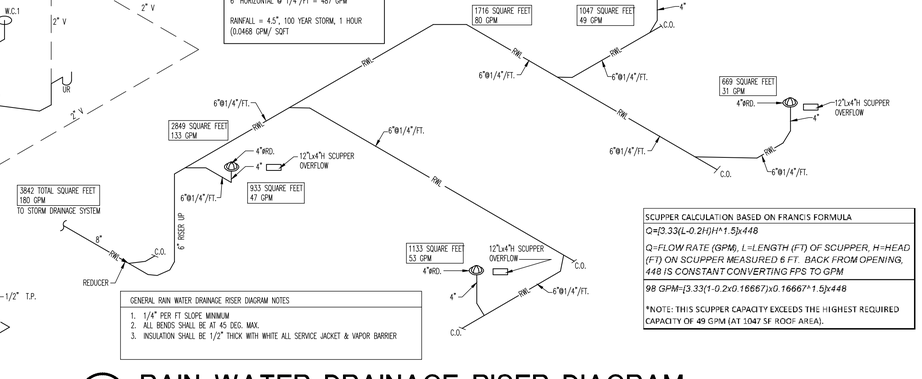
SANITARY WASTE RISER DIAGRAM

SCALE: NOT TO SCALE

2020 FLORIDA PLUMBING CODE SECTION 1106.2

4" VERTICAL = 192 GPM
6" HORIZONTAL @ 1/4"/FT = 487 GPM

RAINFALL = 4.5", 100 YEAR STORM, 1 HOUR (0.0468 GPM/ SQFT



GENERAL RAIN WATER DRAINAGE RISER DIAGRAM NOTES

1. 1/4" PER FT SLOPE MINIMUM
2. ALL BENDS SHALL BE AT 45 DEG. MAX.
3. INSULATION SHALL BE 1/2" THICK WITH WHITE ALL SERVICE JACKET & VAPOR BARRIER

SCUPPER CALCULATION BASED ON FRANCIS FORMULA

Q=[3.33(L-0.2H)H^1.5]x448

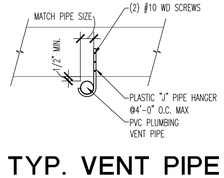
Q=FLOW RATE (GPM), L=LENGTH (FT) OF SCUPPER, H=HEAD (FT) ON SCUPPER MEASURED 6 FT. BACK FROM OPENING, 448 IS CONSTANT CONVERTING FPS TO GPM

98 GPM=[3.33(1-0.2x0.16667)x0.16667^1.5]x448

*NOTE: THIS SCUPPER CAPACITY EXCEEDS THE HIGHEST REQUIRED CAPACITY OF 49 GPM (AT 1047 SF ROOF AREA).

RAIN WATER DRAINAGE RISER DIAGRAM

SCALE: NOT TO SCALE (SEE ROOF FRAMING PLAN)



TYP. VENT PIPE HANGER DETAIL

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

PLUMBING FIXTURE SCHEDULE

WC1	–ACCESSIBLE WATER CLOSET – AMERICAN STANDARD MADERA 3461.128 EL ELONGATED FLUSH VALVE TOILET, WHITE, SEAT HEIGHT TO BE BETWEEN 17" 19" ABOVE FINISH FLOOR WITH A 5901.10055 OPEN FRONT SEAT LESS COVER AND SLOAN ROYAL 111–1.28, (1.28 GPF) POLISHED CHROME FLUSH VALVE.
WC2	–STANDARD WATER CLOSET –AMERICAN STANDARD MADERA #3461.128 EL ELONGATED FLUSH VALVE TOILET, WHITE, WITH A 5905.100 OPEN FRONT SEAT LESS COVER AND SLOAN ROYAL 111–1.28, (1.28 GPF) POLISHED CHROME FLUSH VALVE.
LAV	–LAVATORY – AMERICAN STANDARD # 0356.028 VITREOUS CHINA WALL HUNG LAVATORY W/ ZURN #Z1231-EZ CONCEALED ARM SYSTEM AND AMERICAN STANDARD SINGLE HANDLE FAUCET, MODEL #7385.004 WITH CHROME GRID STRAINER.
UR	–URINAL – AMERICAN STANDARD # 6590.001 VITREOUS CHINA LOW CONSUMPTION URINAL W/ A SLOAN ROYAL 186–0.125 GBP (0.125 GPF) DUAL FILTERED BYPASS, POLISH CHROME FLUSH VALVE.
HS	HAND SINK– PROVIDED WITH KITCHEN EQUIPMENT PACKAGE. INSTALLED BY G.C.
FD	–FLOOR DRAIN – ZURN #Z415–5 FLOOR DRAIN POLISHED NICKEL BRONZE SQUARE STRAINER. SEE PLAN FOR SIZES. USE ZURN #ZN–415–B ROUND STRAINER @ S.S. MOP SINK
MSB	FIELD BUILT BASIN (SEE S102). FAUCET: T & S BRASS MODEL B–0665–BSTR DRAIN: ZURN #ZN–415–B ROUND STRAINER
FD (DB)	–FLOOR DRAIN AT DRINK BAR – JOSAM 30003 FLOOR DRAIN W/ (1) 2W AND (1) 4W EXTENSION PIECES AND A 6A STRAINER WITH A F4 ROUND FUNNEL
FS	–FLOOR SINK– ZURN #Z–1901–23. SEE PLAN FOR SIZE AND VERIFY W/ OWNER.
HB	–HOSE BIBB– WOODFORD WALL FAUCET MODEL #26 WITH ANTI SIPHON VACUUM BREAKER AND HOSE CONNECTION, COLD WATER ONLY.
FCO	–FLOOR CLEAN OUT– ZURN #Z1400 ADJUSTABLE FLOOR CLEANOUT.
RD	–ROOF DRAIN – ZURN #Z100 ROOF DRAIN.
H/C HB	–HOT AND COLD MIXER, AUTOMATIC DRAINING BACK FLOW PREVENTED WALL HYDRANT WOODFORD MODEL HC67
RH	–ROOF HYDRANT (ROOF MOUNTED) WOODFORD MODEL SRH–MS SANITARY ROOF HYDRANT WITH BACKFLOW PREVENTOR.
WCO	–WALL CLEAN OUT WITH CHROME ESCUTCHEON COVER
HWRP	–RECIRCULATION PUMP P&G PL–30 AND INTERMATIC ET–8115C TIME CLOCK
WH	– HOT WATER HEATER – SEE SHEET P–102 NOTE # 10
RWL	– RAIN WATER LEADER

NOTE: ALL PLUMBING FIXTURES SHALL BE IN COMPLIANCE WITH FPC 604.4

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UNDERSLAB PLUMBING PLAN & RISER DIAGRAM

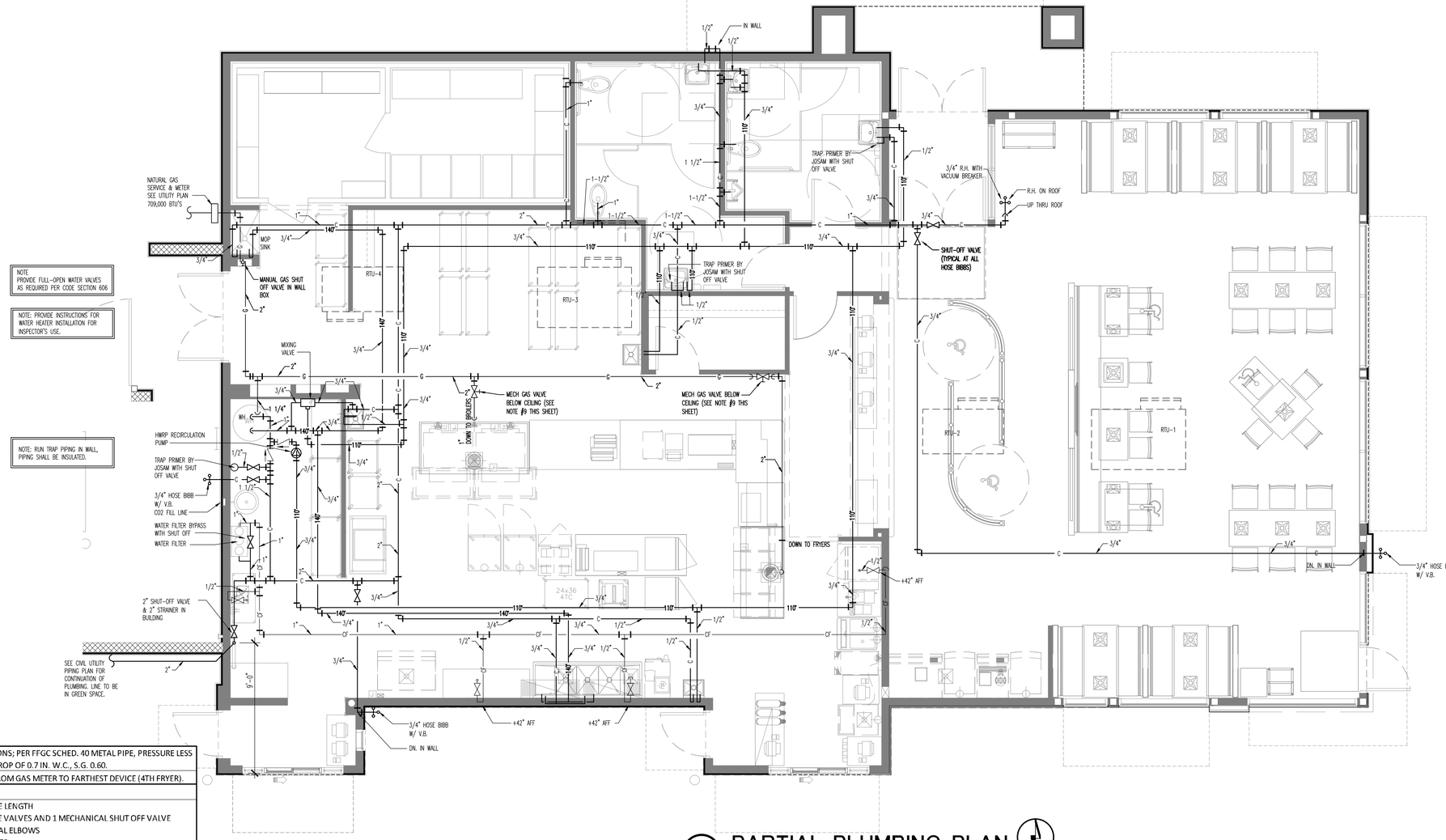
DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

P101

NOTE:
PROVIDE FULL-OPEN WATER VALVES AS REQUIRED PER CODE SECTION 606

NOTE: PROVIDE INSTRUCTIONS FOR WATER HEATER INSTALLATION FOR INSPECTOR'S USE.

NOTE: RUN TRAP PIPING IN WALL, PIPING SHALL BE INSULATED.



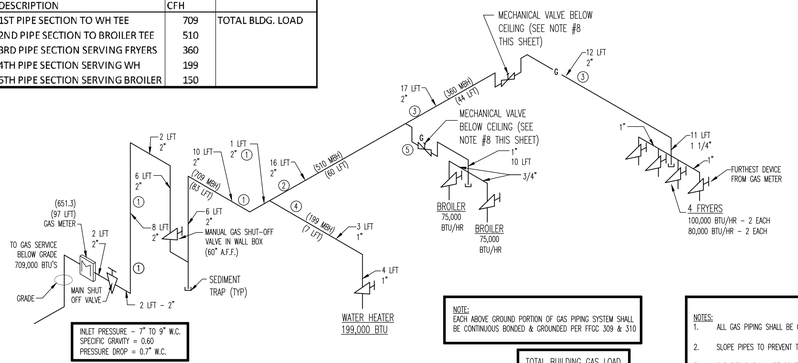
1 P102 PARTIAL PLUMBING PLAN

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

N

GAS PIPE SYSTEM CALCULATIONS; PER FFGC SCHED. 40 METAL PIPE, PRESSURE LESS THEN 2 PSI WITH PRESSURE DROP OF 0.7 IN. W.C., S.G. 0.60. LONGEST LENGTH METHOD FROM GAS METER TO FARTHEST DEVICE (4TH FRYER).			
EQUIV. LF	DESCRIPTION		
97	ACTUAL GAS PIPE LENGTH		
97	VALVES: 3 ANGLE VALVES AND 1 MECHANICAL SHUT OFF VALVE		
55	ELBOWS: 12 TOTAL ELBOWS		
18	TEES: 2 TOTAL TEES		
267	TOTAL EQUIVALENT LENGTH FEET		
PIPE SIZE	DESCRIPTION	CFH	
2"	1ST PIPE SECTION TO WH TEE	709	TOTAL BLDG. LOAD
2"	2ND PIPE SECTION TO BROILER TEE	510	
2"	3RD PIPE SECTION SERVING FRYERS	360	
1-1/4"	4TH PIPE SECTION SERVING WH	199	
1-1/4"	5TH PIPE SECTION SERVING BROILER	150	

2021-0194



INLET PRESSURE = 7" TO 9" W.C.
SPECIFIC GRAVITY = 0.60
PRESSURE DROP = 0.7" W.C.

NOTE:
EACH ABOVE GROUND PORTION OF GAS PIPING SYSTEM SHALL BE CONTINUOUS BONDED & GROUNDED PER FFGC 309 & 310

TOTAL BUILDING GAS LOAD
709,000 BTU/HR

NOTES:
1. ALL GAS PIPING SHALL BE CLEANED, PRIMED AND PAINTED.
2. SLOPE PIPES TO PREVENT TRAPS AT 1/4" IN 15'
3. GAS PIPING SHALL BE SCHEDULE 40 STEEL PIPE.
4. LENGTHS SHOWN ARE APPROXIMATE VERIFY LENGTH OF PIPE IN FIELD. SIZED PER TABLE 402.4 (2) OF THE FFGC.
5. ALL GAS PIPING SHALL BE IN ACCORDANCE TO THE FFGC

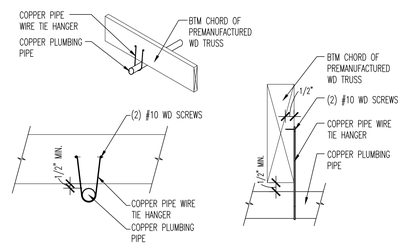
2 P102 GAS RISER DIAGRAM

SCALE: NOT TO SCALE

NATURAL GAS APPLIANCE SCHEDULE						
DESCRIPTION	MANUFACTURER	MODEL NUMBER	SUPPLY PRESS. MIN TO MAX (IN W.C.)	BTUH INPUT	K101 EQUIPMENT ID	NOTES
FRYER	PITCO	BK-SSH55	5 TO 10	80,000	931.14	1
FRYER	PITCO	BK-SSH60W	5 TO 10	100,000	931.13	1
FRYER	PITCO	BK-SSH55	5 TO 10	80,000	931.14	1
FRYER	PITCO	BK-SSH60W	5 TO 10	100,000	931.13	1
BROILER	NEICO	JF94G	6 TO 10	75,000	924.01	1
BROILER	NIECO	JF94G	6 TO 10	75,000	924.01	1
WATER HEATER	AO SMITH	CYCLONE XI	5 TO 14	199,000	N/A	
BLDG LOAD		NATURAL		709,000		2

NOTES:
1. VERIFY WITH OWNER FINAL UNIT SELECTION
2. NATURAL DELIVERY PRESSURE 7-9" W.C. MINIMUM

2021-0194



3 P102 PIPE HANGER DETAILS

SCALE: NOT TO SCALE

LEGEND

- C — COLD WATER
- CF — COLD WATER FILTER SYSTEM
- 110 — HOT WATER (110')
- 140 — HOT WATER (140')
- G — GAS PIPING
- GATE VALVE
- G — G — GAS SHUT-OFF VALVE
- CHECK VALVE
- HOSE BIBB W/ VACUUM BREAKER
- G — G — MECHANICAL GAS SHUT-OFF VALVE
- GLOBE VALVE

PIPING INSULATION THICKNESS REQUIREMENTS (BASED UPON BLACK UNICELLULAR FOAM INSULATION (ARMACELL OR EQUAL))	
HW PIPE < 1-1/2" DIA. 1" THICK (105°-140° F) >= 1-1/2" DIA. 1-1/2" THICK	CW PIPE < 1-1/2" DIA. 1/2" THICK >= 1-1/2" DIA. 3/4" THICK)

NOTES:
1. DO NOT SCALE DRAWINGS
2. GENERAL CONTRACTOR AND PLUMBING CONTRACTOR SHALL VERIFY GAS REQUIREMENTS OF THIS PROJECT BEFORE BIDDING AND PROCEEDING WITH WORK. SEE SHEET M201 FOR GAS REQUIREMENTS OF A/C UNITS.
3. ALL HOT & COLD WATER PIPING LOCATED ABOVE CEILING AREAS BUT BELOW ROOF INSULATION SHALL BE INSULATED. ALL HOT AND COLD WATER PIPING LOCATED OUTSIDE OF BUILDING INSULATION ENVELOPE SHALL BE INSULATED WITH ADDITIONAL 2" THICKNESS BEYOND SPECIFIED IN INSULATION SCHEDULE SHOWN ON THIS SHEET. ALL UNDERGROUND PIPES LOCATED INSIDE BUILDING TO BE ENCASED IN FLEXIBLE POLYETHYLENE. ALL EXPOSED HOT AND COLD WATER PIPING AT THE WATER HEATER SHALL BE INSULATED.LOCATE C.W. PIPES IN FURRED OUT SPACES AT TOILET RMS. ON EXTERIOR WALLS ONLY
4. PROVIDE FROST PROOF HOSE BIBBS.
5. PROVIDE SEPARATE SHUT-OFF VALVES FOR ALL EQUIPMENT REQUIRING WATER CONNECTIONS. SEE EQUIP. SCHEDULE & SERVICE LOCATIONS.
6. PROVIDE COUPLINGS TO ALL EQUIPMENT AS REQUIRED.
7. PROVIDE 1/4" DIAMETER AIR LINE ABLE TO WITHSTAND 50# PRESSURE TO RUN OVERHEAD FROM SODA FACTORY DOWN TO TAYLOR 5454 SHAKE MACHINE. (WHERE APPLICABLE.)
8. PLUMBING CONTRACTOR TO FURNISH & INSTALL MECHANICAL GAS SHUT-OFF VALVES FOR FIRE PROTECTION SYSTEM. VALVES CAN BE OBTAINED FROM THE FIRE PROTECTION SYSTEM SUPPLIER. ANSUL P/N-55607-1 1/2"
9. WATER HEATER: A.O. SMITH CYCLONE XI HIGH EFFICIENCY WATER HATER 199,000 BTUH INPUT, 100 USG TEMP. RISE 100 DEGREES FAREHHEIT PEAK DEMAND 155 USGPH. FIRST HOUR DELIVERY 282 USGPH. PROVIDE DIRECT VENT (INTAKE & EXHAUST) AS REQUIRED AT CEILING LINE. PROVIDE BIRD SCREEN AT EXTERIOR TERMINATION POINTS. **PROVIDE MIN. 16" WATER HEATER STAND.**
10. PROVIDE BACKFLOW PREVENTOR ON WATER LINES WHERE REQUIRED BY LOCAL CODES.
11. PROVIDE WOOD BLOCKING AS REQ'D. FOR FIXTURES AND PIPING.
12. CONTRACTOR TO PROVIDE 3/4" DIA COLD WATER LINES AT TRASH ENCLOSURE W/ MIXING VALVE AT CAN WASH INSIDE OF BUILDING.
13. PROVIDE BACKFLOW PREVENTERS AS FOLLOWS:
    A) ICE MAKER, SHAKE MACHINE, FROZEN COKE, RINSE-O-MATIC -WATTS SERIES 008 QT PRESSURE VACUUM BREAKER W/O DRIP PAN
    B) COFFEE MAKER -WATTS STRAINER 27-100 & WATTS 9D BACKFLOW PREVENTOR PROVIDE DRAIN TO F.S.
    C) DRINK DISPENSER, SELF SERVE DRINK BAR -3/8" WATTS 9D-2 BACKFLOW PREVENTOR.
14. PROVIDE VALVES ON THE SUPPLY TO EACH PLUMBING FIXTURE
15. TEMPERED WATER SHALL BE SUPPLIED AT ALL ACCESSIBLE PLUMBING FIXTURES
16. ALL KITCHEN FOOD AND DRINK PREPARATION EQUIPMENT MUST BE EQUIPPED WITH AN APPROVED BACKFLOW DEVICE.

REV.	DESCRIPTION	BY	DATE

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ABOVE SLAB PLUMBING PLAN & RISER DIAGRAM

DESIGNED BY:

REVIEWED BY: DEB, SJV

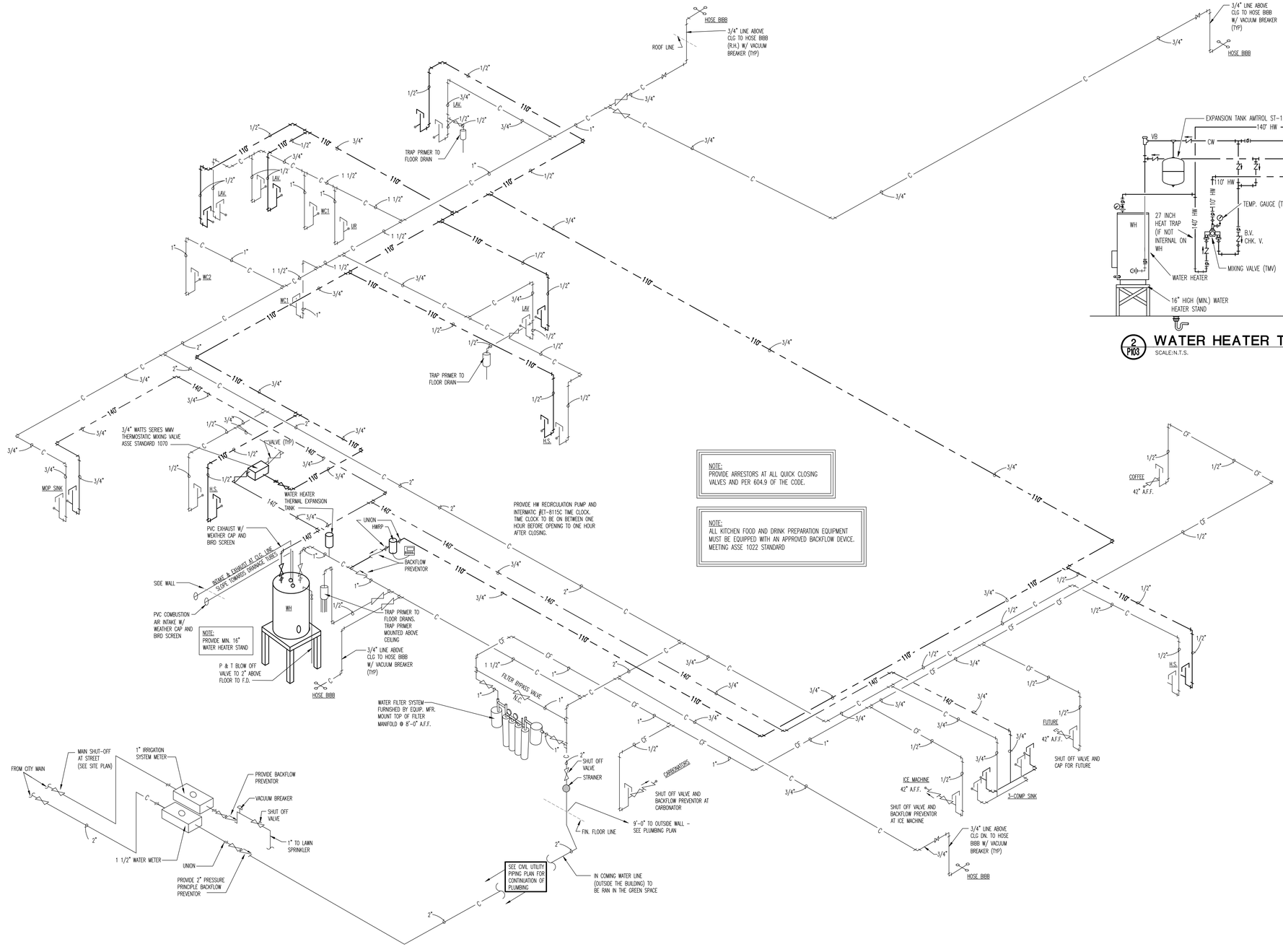
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JOB NUMBER: 2021-0194

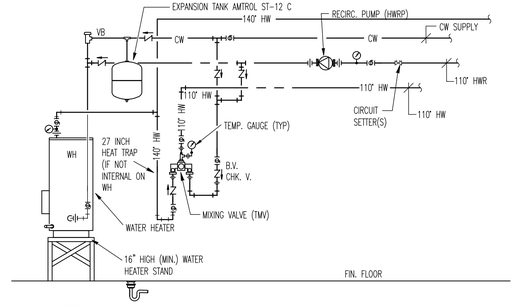
SCALE: AS NOTED

P102



1 P103 DOMESTIC WATER RISER DIAGRAM

SCALE: NOT TO SCALE



2 P103 WATER HEATER TMV AND HWRP DETAIL

SCALE:N.T.S.

LEGEND

- C — COLD WATER
- CF — COLD WATER FILTER SYSTEM
- 110° — HOT WATER (110°)
- 140° — HOT WATER (140°)
- G — GAS PIPING
- GATE VALVE
- G — G — GAS SHUT-OFF VALVE
- CHECK VALVE
- HOSE BIBB W/ VACUUM BREAKER
- G — G — MECHANICAL GAS SHUT-OFF VALVE
- GLOBE VALVE

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HOT & COLD WATER RISER DIAGRAM

DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

P103

ALL DEVICES, CONDUCTORS, FIXTURES AND EQUIPMENT SHALL CARRY AND BE LABELED FOR A UL LISTING

NOTE:
SENSORS IN COOLER/FREEZER BY HUBBLE OR EQUAL. SENSOR SHALL BE RATED FOR LOW TEMP
WSP-LWO-XX-UHV & WSP-LWO-L360-LM-WH LENS

TO PYLON SIGN BY E.C. (SEE SITE PLAN) & READER SIGN A-9 AND A-11

TO FLAG POLE LIGHT BY E.C. A-19

(2) LIGHT FIXTURES "L" SEE SITE PLAN FOR LOCATION OF FLAG POLE AND NOTE #3.

TO SITE LIGHTING BY E.C., (SEE SITE PLANS) A-1, 3 & A-5, 7

NOTE: VERIFY IF SIGNAGE "HAVE IT YOUR WAY" NEEDS ELECTRICAL, IF REQ'D PROVIDE J-BOX
F = BUILDING LIGHT FOR SIGNAGE AND WIRE TO CIRCUIT A-21 (TYP. 2 LOCATIONS)

TO DIRECTIONAL SIGNAGE BY E.C. (SEE SITE PLAN) CIRCUIT A-13

PROVIDE 24" x 24" ACCESS OPENING IN SOFFIT.

TO MENU BOARD & READER BOARD A-15, 17

NOTE: VERIFY LOCATION OF LIGHTS W/ DECOR DRAWINGS & OWNER

SWITCHBANK SEE 2/E101 FOR DETAIL

NOTE: VERIFY IF SIGNAGE "HAVE IT YOUR WAY" NEEDS ELECTRICAL, IF REQ'D PROVIDE J-BOX AND WIRE TO CIRCUIT A-21 (TYP. 2 LOCATIONS)

NOTE: VERIFY IF CHANNEL LETTERS "HOME OF THE WHOPPER" NEEDS ELECTRICAL. IF REQUIRED PROVIDE J-BOX AND WIRE TO CIRCUIT A-21. (SEE ELEVATIONS ON A401 FOR LOCATION OF SIGNAGE.)

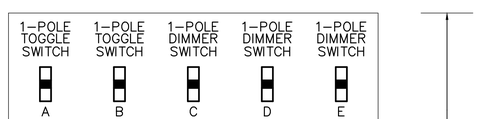
NOTE:
ALL EMERGENCY LIGHTING SHALL BE WIRED TO CLOSEST CIRCUIT PRIOR TO SWITCHING AND ACCORDING TO THE NEC AND BUILDING CODE

1 E101 **LIGHTING PLAN**
SCALE: 1/4"=1'-0"

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMP	LUMENS	FIXTURE WATTAGE	MOUNTING	NOTES
B	ENERGYWISE	MLFP-24EP-48-41	LED	5,810	44.6	SEE NOTES	FIXTURES PROVIDED BY OWNER, G.C. TO INSTALL (GRID MOUNTED AT ACT CEILING & FLANGED MOUNTED AT DRYWALL CEILING W/ MLFPFK2X4-215 FLANGE KIT)
C	ENERGYWISE	MLFP-22EP-35-41	LED	4,550	35.8	SEE NOTES	FIXTURES PROVIDED BY OWNER, G.C. TO INSTALL (GRID MOUNTED AT ACT CEILING & FLANGED MOUNTED AT DRYWALL CEILING W/ MLFPFK2X2-215 FLANGE KIT)
D	PRESCOLITE SYLVANIA	DBXQC-SBH HOUSING LED-RT5/6-625-830 LAMP	LED	625	9	RECESSED	HOUSING AND TRIM BY G.C.
E1	QUANTUM-LED	LHQM-LED R-HO	LED		4.3	WALL	MOUNT ABOVE DOOR (TRANSOM)
E2	QUANTUM-LED	ELA QWP L0309 SD	LED		1.9	WALL	MOUNT 7'-6" AFF - CONNECT REMOTE HEADS TO TYPE E1 AS SHOWN ON DRAWINGS
E3	QUANTUM	ELM2	LED		1.5	WALL	MOUNT 7'-6" AFF
F	CREE	RS-42WLED-UD-SV-MT	LED	4,106	41.7	WALL	UP/ DOWN LIGHTING
G	JUNO	2LEDDRIVER-G2-06LM-MVOLT	LED	600	7.2	RECESSED	TRELLIS SOFFIT DOWN LIGHT
H	REMCRAFT	126SCMOD3BLK	LED A19/E26	800	8.5		SURFACE MOUNTED
K	CREE	RS-30WLED-UD-SV-MT	LED	2,836	28.2	WALL	EXTERIOR DOWN LIGHTING
L	KIM	LTV83FF-SP-12L5K	LED	1,085	14	IN GROUND	IN GROUND LED FLAG POLE LIGHT
M	KASON	1809	LED	3,450	29	SURFACE	BY WALK-IN COOLER/ FREEZER MANUFACTURER
Q	HI-LITE MFG	H-HBCWS42C-91 - BLACK	LED A19/E26	800	11	HANGING	SWELL WIDE TABLE PENDANT - SEE DÉCOR DRAWINGS FOR MOUNTING HEIGHT ABOVE TABLES
R	ILP	FZ4B-44WLED-UNIV-40-CHAN	LED	6,116	45	SURFACE	SURFACE MOUNT TO CEILING JOISTS
S	HI-LITE MFG	H-HBCWS42C-91 - GREEN	LED A19/E26	800	11	HANGING	SWELL WIDE TABLE PENDANT - SEE DÉCOR DRAWINGS FOR MOUNTING HEIGHT ABOVE TABLES
W	PRESCOLITE SYLVANIA	IBX4-120-SBH HOUSING LED-RT4-600-830 LAMP	LED	600	9	RECESSED	HOUSING AND TRIM BY G.C.

2021-0121



2 E101 **SWITCH BANK DETAIL**
SCALE: N.T.S.

NOTE: NUMBER OF SWITCHES REQUIRED MAY VARY BASED ON LIGHTING CONFIGURATION – VERIFY REQUIREMENTS.

NOTES:

1. ELECTRICAL CONTRACTOR TO INSTALL ALL CIRCUITS TO THE NEW SITE LIGHTING, SIGNAGE, MENU BOARDS ETC. AS PROVIDED BY THE CONTRACTOR. SEE THE SITE DRAWINGS FOR INFORMATION AND LOCATIONS. CIRCUITS FOR THESE ITEMS ARE SHOWN IN THE PANEL SCHEDULES.
2. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUITS AND CONDUCTORS TO ALL SITE SIGNAGE AND LIGHTING.
3. FLAG POLE IN GROUND LIGHT IS BY ELECTRICAL CONTRACTOR, SEE SITE PLAN DRAWINGS FOR LOCATION. PROVIDE CIRCUIT FROM PANEL A CIRCUIT 35. COORDINATE LOCATION OF LIGHT WITH FLAG POLE INSTALLER. PROVIDE ALL CONDUITS AND CONDUCTORS TO MAKE FOR A WORKING SYSTEM.
4. ELECTRICAL CONTRACTOR TO VERIFY THE NUMBER AND LOCATIONS OF THE JUNCTION BOXES FOR THE PARAPET LIGHT BAND WITH THE SUPPLIER. VERIFY CIRCUIT REQUIREMENTS.

GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES AND STANDARDS.
2. ALL DEVICE BOXES SHALL BE INSTALLED FLUSH AND CONDUITS RUN CONCEALED IN FINISHED AREAS EXCEPT AS SPECIFICALLY SHOWN/NOTED OTHERWISE.
3. WIRE SIZE SHALL BE #12 MIN., UNLESS OTHERWISE NOTED. WIRE SIZES SMALLER THAN #6 AWG SHALL BE THHN/THWN. #6 AWG WIRE & LARGER SHALL BE THW, UNLESS NOTED OTHERWISE.
4. WIRE (CONDUCTOR) COLORS SHALL BE AS PER APPLICABLE CODES.
5. ALL CONDUCTORS SHALL BE COPPER.
6. ALL CONDUCTORS SHALL BE RUN IN CONDUIT, EXCEPT LOW VOLTAGE CONTROL CABLES
7. USE OF MC CABLE IS AN APPROVED ALTERNATE WHERE ACCEPTED BY THE N.E.C.
8. ALL MATERIALS SHALL BE UL APPROVED.
9. ALL BRANCH CIRCUITS TO HAVE A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER NEC 250-122.
10. PVC (SCHEDULE 40) PERMITTED BELOW SLAB AND BELOW GRADE ONLY.
11. IT IS INTENDED THAT AN EQUIPMENT GROUND CONDUCTOR (GREEN) SHALL BE RUN IN POWER CIRCUIT CONDUITS WHETHER OR NOT THE CONDUIT IS PVC.
12. NEW TYPEWRITTEN PANEL DIRECTORY SHALL BE FURNISHED AFTER JOB IS COMPLETED REFLECTING ALL AS BUILT CONDITIONS.
13. ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
14. CONTRACTOR TO COORDINATE ROUGHING-IN TO ALL EQUIPMENT W/ RESPECTIVE SUPPLIER PRIOR TO INSTALLING CONDUITS.
15. EXTERIOR LIGHTS SHALL BE ON A SINGLE PHOTO CELL AND TIME CLOCK. TIME CLOCK SHALL BE LOCATED IN STORAGE/UTILITY ROOM.
16. ELECTRICIAN SHALL BALANCE PANEL & SELECT CONDUCTORS AND GROUND THE SYSTEM IN ACCORDANCE WITH THE NEC.
17. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ROOF TOP UNITS

REV:	DESCRIPTION	BY	DATE

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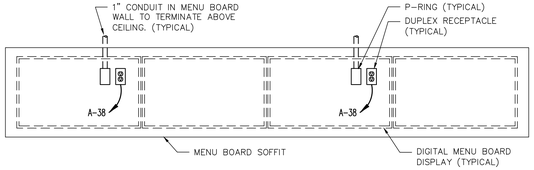
LIGHTING PLAN

DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

E101

NOTES:

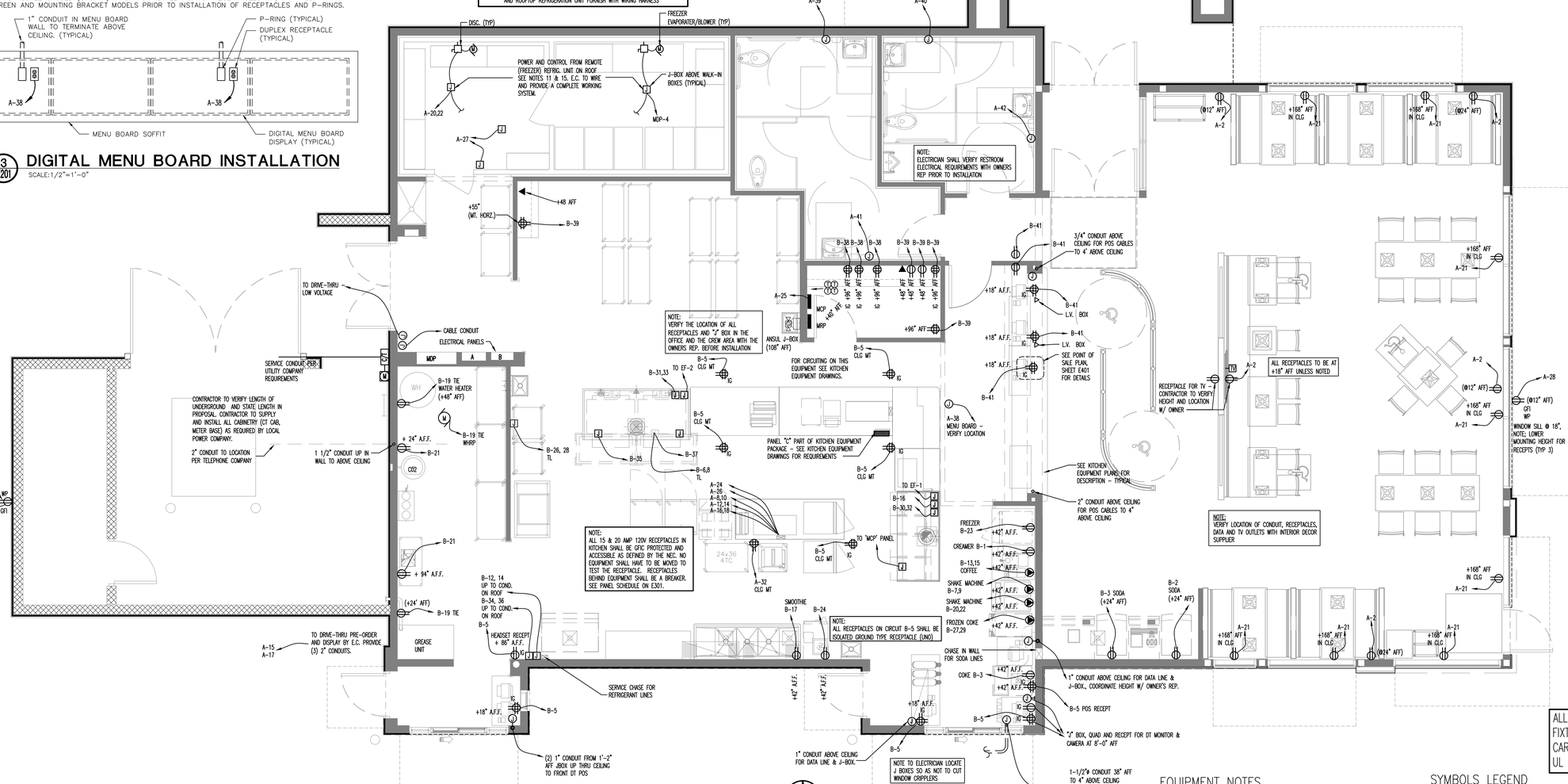
1. (1) DUPLEX RECEPTACLE PER 2 SCREENS.
2. (1) P-RING PER 2 SCREENS WITH 1" CONDUIT TO ABOVE CEILING. DATA CABLE TO RUN TO MEDIA PLAYER(S) IN OFFICE
3. VERIFY NUMBER OF SCREENS USED (3 OR 4) PRIOR TO INSTALLATION OF RECEPTACLES AND P-RINGS.
4. DETERMINE SCREEN AND MOUNTING BRACKET MODELS PRIOR TO INSTALLATION OF RECEPTACLES AND P-RINGS.



3 E201 DIGITAL MENU BOARD INSTALLATION

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

ELECTRICAL NOTES:
1. CONTRACTOR SHALL OBTAIN WIRING DIAGRAM FROM WALK-IN BOX MFG AND INSTALL AS DIRECTED.
2. CONTRACTOR SHALL RUN CONDUIT BETWEEN FREEZER/COOLER EVAPORATORS AND ROOFTOP REFRIGERATION UNIT FURNISH WITH WIRING HARNESS



1 E201 POWER PLAN

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

ALL DEVICES, CONDUCTORS, FIXTURES AND EQUIPMENT SHALL CARRY AND BE LABELED FOR A UL LISTING

ELECTRICAL NOTES:
1. VERIFY WITH EQUIPMENT SUPPLIER ALL J-BOX AND CONDUIT REQUIREMENTS FOR THE POINT OF SALE (POS) AND THE SPEED OF SERVICE (SOS) EQUIPMENT.
2. RUN A 3/4" CONDUIT FROM ALL TELEPHONE OUTLETS TO THE TELEPHONE CABINET. VERIFY CABINET SIZE AND LOCATION WITH THE LOCAL PHONE COMPANY.
3. SEE KITCHEN EQUIPMENT DRAWINGS FOR REQUIREMENTS AND LOCATION OF ALL KITCHEN EQUIPMENT.
4. CONTACT SCOTT DYER AT SUNCOAST ENVIRONMENTAL CONTROL INC. AT 877-544-6679 FOR INFORMATION ON THE MASTER RELAY PANEL (MRP) AND THE MASTER CONTROL PANEL (MCP) SUPPLIED BY OTHERS. ELECTRICAL CONTRACTOR TO CONNECT CIRCUITS INDICATED IN PANEL "A" AND PROVIDE WIRING AS INDICATED ON SUNCOAST'S CONTROL DRAWING.

NOTES:

1. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR NEAT "WORKMANLIKE" ELECTRICAL INSTALLATION THAT IS COMPLETE IN EVERY RESPECT. BY ACT OF SUBMITTING A BID FOR THE PROPOSED WORK, THIS CONTRACTOR AGREES TO PROVIDE ALL LABOR, TOOLS, EQUIPMENT AND APPROVED MATERIAL NECESSARY TO PROVIDE THE OWNER A SERVICEABLE AND COMPLETE SYSTEM AS INDICATED WITHIN THE SCOPE OF THESE PLANS AND SPECIFICATIONS.
2. THE ENTIRE ELECTRICAL SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE STANDARD ELECTRICAL CODE PROVISIONS AND LOCAL REGULATIONS OR CODES HAVING JURISDICTION. THE PLANS AND SPECIFICATIONS CONTAINED WITHIN THIS SET OF CONSTRUCTION DOCUMENTS ARE INTENDED TO ILLUSTRATE THE SCOPE OF WORK REQUIRED FOR A ELECTRICAL INSTALLATION ONLY. THE INFORMATION SHOWN SHALL IN NO WAY SUPERCEDE THE CODE PROVISIONS OR IN ANY WAY GIVE PERMISSION TO THE ELECTRICAL CONTRACTOR TO INSTALL A SYSTEM FOUND TO BE IN NON-COMPLIANCE.
3. THIS CONTRACTOR SHALL REVIEW THE ENTIRE SET OF CONSTRUCTION DOCUMENTS FOR AREAS OF WORK THAT DIRECTLY AFFECT THE ELECTRICAL DESIGN, INSTALLATION METHODS, FIRE STOPPING, PATCHING REQUIREMENTS, SPECIAL INSTALLATION REQUIREMENTS AND SCHEDULING OF ACTUAL INSTALLATION. GENERAL LAYOUTS, DETAILS, AND SCHEMATICS NECESSARY TO PERFORM A COMPLETE, SERVICEABLE JOB (EVEN IF NOT EXPRESSLY SHOWN) SHALL, BY ACT OF SUBMITTING A BID, BE UNDERSTOOD TO BE PART OF THIS BID. QUESTIONS OR CLARIFICATIONS WHICH NEED TO BE ADDRESSED SHALL BE DONE PRIOR TO BIDDING OR SINGING ANY FORM OF CONTRACT FOR THE RESPECTIVE WORK. NO ALLOWANCE SHALL BE MADE FOR ITEMS UNDERSTOOD TO BE A REASONABLE PART OF THIS WORK AFTER SUCH CONTRACT IS SIGNED.
4. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF WORK WITH OTHER TRADES. IT IS REQUIRED BY CONTRACT FOR THE ELECTRICAL CONTRACTOR TO ATTEND PROGRESS MEETINGS AND AT ALL TIMES KEEP THE JOBSITE SUPERINTENDENT OR PROJECT MANAGER INFORMED OF ANY SCHEDULE DELAYS AND APPARENT CAUSES AND THE REMEDIAL ACTION TO BE TAKEN TO ACCOMPLISH THE COMPLETED PROJECT ACCORDING TO SCHEDULE. THIS CONTRACTOR AGREES TO TAKE NECESSARY STEPS TO KEEP HIS WORK IN CONTROL , INSPECTED AND FINISHED IN A TIMELY MANNER AS TO NOT HOLD UP OTHER TRADES WORK AND THERE-BY THE ENTIRE PROJECTS TIMELY COMPLETION.
5. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, BONDS AND OTHER NECESSARY LICENSES OR APPLICATIONS AS REQUIRED BY THE LOCAL AND STATE BUILDING DEPARTMENTS. THE CONTRACTOR SHALL CALL FOR ALL NECESSARY INSPECTIONS AND PERFORM SAME IN ACCORDANCE WITH THE LOCAL REQUIREMENTS. THIS CONTRACTOR SHALL NOT ALLOW ANY PORTION OF HIS WORK TO BE COVERED OR CONCEALED PRIOR TO REQUIRED INSPECTIONS AND WRITTEN NOTICE OF APPROVAL.
6. THIS CONTRACTOR IS REQUIRED TO MAINTAIN A MANUAL ON SITE CONTAINING THE REQUIRED MSDS SHEETS FOR PRODUCTS, CLEANERS AND OTHER MATERIALS USE ON THIS PROJECT. THE INFORMATION MAY BE GIVEN TO THE JOBSITE OFFICE FOR RECORDS AND REVIEW. THIS CONTRACTOR SHALL FURNISH TO THE JOBSITE SUPERINTENDENT THE NAME OF HIS APPOINTED SAFETY OFFICER AND PHONE NUMBER FOR USE IN THE EVENT OF AN EMERGENCY.
7. THE ELECTRICAL EQUIPMENT SCHEDULES SHOWN ON THE PLAN ARE INTENDED TO ESTABLISH THE TYPE AND QUALITY OF EQUIPMENT REQUESTED BY THE OWNER AND ENGINEER. EQUALS MAY BE USED IF BID AS A VOLUNTARY ALTERNATE. THIS CONTRACTOR IS REQUIRED TO PROVIDE SAME IF THE MATERIAL THEY USED IN THEIR PROPOSAL WAS NOT APPROVED PRIOR TO BIDDING OR IS VIEWED AFTER THE BIDDING NOT TO MEET THE QUALITY REQUIREMENT. IT IS THIS CONTRACTORS RESPONSIBILITY TO OBTAIN THE APPROVAL PRIOR TO BID OR RISK IF NOT APPROVED AFTERWARD.
8. THIS CONTRACTOR IS RESPONSIBLE FOR DAILY CLEAN-UP OF HIS DEBRIS AND MATERIAL ORGANIZATION TO KEEP THE JOB SITE NEAT IN APPEARANCE. SHOULD THE CONTRACTOR FAIL TO KEEP HIS TRADES WORK CLEAN FROM DEBRIS ACCUMULATION, THE JOB SITE SUPERINTENDENT WILL SEE THAT A FIRM OR PERSON WILL PERFORM THE CLEAN-UP AND HAVE THE EXPENSE BACK-CHARGED AGAINST THIS CONTRACTORS CONTRACT.
9. THE ELECTRICAL CONTRACTOR SHALL COORDINATE EQUIPMENT CONNECTION WITH THE CONTRACTOR PROVIDING SAME TO INSURE A PROPER AND COMPLETE INSTALLATION OF EACH PIECE OF EQUIPMENT AND TO MEET THE OVERALL SYSTEM REQUIREMENTS.
10. THERMOSTATS FOR HEATING AND AIR-CONDITIONING EQUIPMENT TO BE FURNISHED BY THE HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL RUN THE CONTROL WIRING FROM THE THERMOSTAT TO THE EQUIPMENT, AND IS RESPONSIBLE FOR VERIFYING THE PROPER INSTALLATION AND FOR THE FINAL CONNECTION TO THE MECHANICAL EQUIPMENT.
11. ALL EXHAUST FANS ARE TO BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. THIS SHALL INCLUDE DUCTING TO THE EXTERIOR OF THE BUILDING. THE ELECTRICAL CONTRACTOR SHALL SUPPLY THE WIRING AND CONNECT TO THE EXHAUST UNITS ONLY.

EQUIPMENT NOTES

1. CONDUITS,WIRES & RECEPTACLES PROVIDED IN EQUIPMENT BY EQUIPMENT MANUFACTURER & TERMINATED AT J-BOX PROVIDED INSIDE OF EQUIPMENT.
2. ELECTRICAL CONTRACTOR TO RUN CONDUITS AND WIRE THRU EQUIPMENT CHASE AND CONNECT TO CIRCUITS PROV. IN J-BOX BY EQUIPMENT MANUF.
3. EMPTY J-BOX AND SINGLE OUTLET INSIDE FRYER HOOD BY EQUIPMENT MANUFACTURER TO BE USED FOR CONNECTION OF HEAT BLANKET AND SHORTENING FILTER LOCATED AT FRY DUMP STATION.
4. ELECTRICAL CONTRACTOR TO PROV. 3 POLE 4 WIRE GROUNDED RECEPTACLE AND CORDS WITH PLUGS TO SHAKE AND FROZEN POP MACHINE. (SJO CORD WITH 4#10-NEMA TYPE RECEPTACLE #L16-30R AND #L16-30P PLUG).
5. PERMANENTLY CONNECTED KITCHEN EQUIPMENT NOT SUPPLIED WITH ON/OFF UNIT SWITCH (WHICH IS PART OF THE APPLIANCE) TO SERVE AS A DISCONNECTING MEANS SHALL BE SUPPLIED W/ DISCONNECT AS PER N.E.C.--THE LATTER FURNISHED BY THE CONTRACTOR.
6. ELECTRICAL CONTRACTOR TO PROVIDE WIRING AND CONDUITS TO RECEPTACLES FURNISHED AND MOUNTED IN WIREWAY BY EQUIPMENT MANUFACTURER.
7. FOR MULTIPLEX & CORNELIUS PROVIDE: 1~ 120/208V 1ø 30A CIRCUIT (NEMA #L16-30R AND #L16-30P PLUG).
8. HEAT TAPE IS PROVIDED BY WALK-IN BOX MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL COORDINATE INSTALLATION AND SUPPLY 120V CKT. AND RECEPTACLE AS DIRECTED BY BOX MANUF.
9. STUB-UP CONDUIT ADJ.TO ROOF CURB AND PROV. SEALTIGHT CONNECTION TO DISCONNECT WITH SUFFICIENT SLACK TO ALLOW REMOVAL OF FAN FOR SERVICING.
10. STAINLESS STEEL SERVICE CHASE TO CEILING
11. CONTRACTOR SHALL OBTAIN WIRING DIAGRAM FROM W.I.B. MANUFACTURER AND INSTALL AS DIRECTED.
12. CONTRACTOR SHALL COORDINATE EQUIPMENT INSTALLATION W/EQUIPMENT MANUFACTURER'S INSTALLATION PERSONNEL.
13. PRE-WIRED BRANCH CIRCUITS DISCONNECTED FOR SHIPMENT TO BE RE-CONNECTED BY MANUFACTURER'S INSTALLATION PERSONNEL ON SITE.
14. ELECTRICAL CONTRACTOR TO PROVIDE CORD WITH PLUG AND WIRE TO BROILER. (SJO CORD W/4 #10-NEMA TYPE PLUG #L16-30P).
15. CONTRACTOR SHALL COORDINATE CONDUIT RUN BETWEEN FREEZER, COOLER EVAPORATORS, AND ROOF TOP REFRIGERATION UNIT WITH MANUFACTURER'S FURNISHED WIRING HARNESS. PROVIDE A COMPLETE WORKING SYSTEM.
16. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOXES WITH STUB-UPS TO CEILING FOR ANSUL PULL SYSTEM.
17. REFER TO SHEET M101 FOR LOCATION OF A/C UNITS W/ SMOKE DETECTORS. E.C. TO RUN AND INSTALL ALL LOW VOLTAGE WIRING TO RTU.

SYMBOLS LEGEND

	Light Fixture		Duplex Recept
EM	Indicates an Emergency Fixture	GFI	G F I Recept
NL	Night Light Fixture	WP GFI	Weatherproof G F I
	Recessed Fixture		Single recept
	Wall Mounted Fixture	IG	Isolated Ground Receipt
	Exit Light		Quad duplex Receipts.
	Combination Exit/Em Fixture		Special Outlet Match equip plug
	Emergency Fixture		Motor
S	Switch Single Pole		Panel
S^3	Three Way Switch		Disconnect
TC-1	Time Clock	M	Meter
	Telephone Outlet		Control or Telephone Cabinet
	Data Outlet		Conduit with circuit conductors. Provide a grounding conductor not shown in all raceways.
T	Thermostat		
J	Junction Box	S	OCCUPANCY SENSOR

REV:	DESCRIPTION	BY	DATE

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POWER PLAN

DESIGNED BY:

REVIEWED BY: DEB, SJV

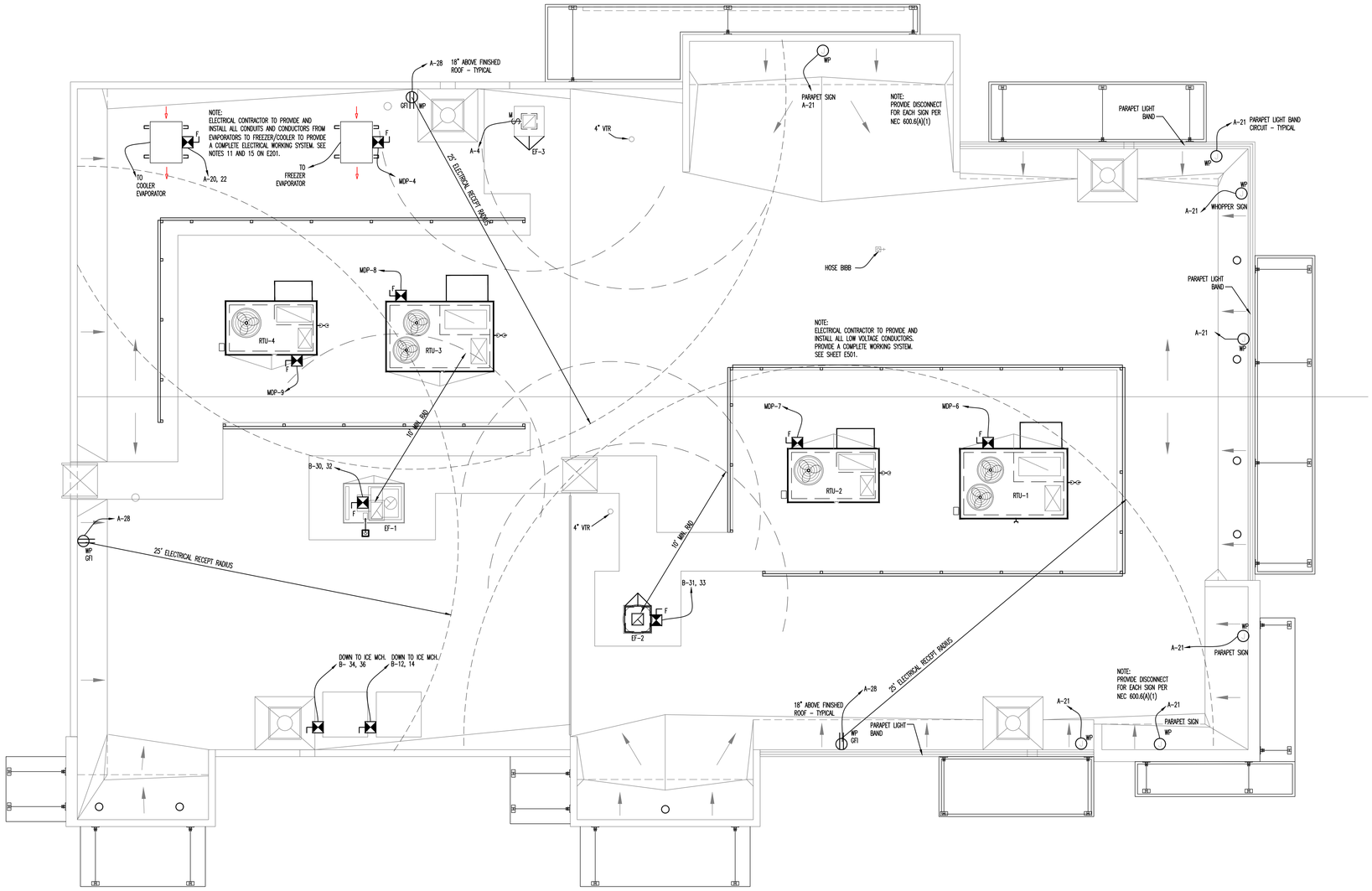
DRAWN BY:

DATE: JULY 8, 2021

JOB NUMBER: 2021-0194

SCALE: AS NOTED

E201



1 E202 ROOF POWER PLAN

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

N

ALL DEVICES, CONDUCTORS, FIXTURES AND EQUIPMENT SHALL CARRY AND BE LABELED FOR A UL LISTING

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ROOF POWER PLAN

DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

E202

MDP PANEL

FEEDERS: SEE ONE LINE DIAGRAMS
MOUNTING: NEMA-1 RECESSED

PANEL I-LINE: SQUARE D OR EQUAL
MAIN BREAKER 600 AMP
MAIN
BUSS RATING 600 AMP
VOLTAGE 120/208 V. 3 Ø, 4 WIRE
A.I.C. RATING 42,000

CKT	EQ	AMPS	POLE	KAIC	CIRCUIT DESCRIPTION	LOAD	WIRE	TYPE	PH	WIRE	TYPE	LOAD	CIRCUIT DESCRIPTION	KAIC	AMPS	POLE	EQ	CKT
						12,262	3/0	N	A	6	N	5,725						
						14,336	3/0	N	B	6	N	5,725	RTU - 1	10	60	3		6
						13,593	3/0	N	C	6	N	5,725						
						17,640	3/0	N	A	6	N	4,125						
2		200	3	22	PANEL B	15,910	3/0	N	B	6	N	4,125	RTU-2	10	45	3		7
						15,130	3/0	N	C	6	N	4,125						
						17,100	2	N	A	6	N	5,725						
3		100	3	22	PANEL C	19,020	2	N	B	6	N	5,725	RTU-3	10	60	3		8
						13,230	2	N	C	6	N	5,725						
						950	12	N	A	6	N	4,125						
4		20	3	10	WIB REMOTE FREEZER	950	12	N	B	6	N	4,125	RTU-4	10	45	3		9
					/COOLER	950	12	N	C	6	N	4,125						
									A		N							
5									B		K							10
									C		K							

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN.	TOTAL AMPS
PHASE A	20,650	47,002	0	67,652	564
PHASE B	20,650	49,266	0	69,916	583
PHASE C	20,650	41,953	0	62,603	522
TOTAL	61,950	138,221	0	200,171	556

	TOTAL CONN LOAD		FACTOR	TOTAL DEMAND VA	
K KITCHEN EQUIPMENT	=	99,850	VA	65%	64,903
N NON-CONTINUOUS LOADS	=	92,672	VA	100%	92,672
C CONTINUOUS LOADS	=	7,649	VA	125%	9,561
TOTAL CONNECTED AMPS		200,171	VA		167,136

NOTES
ALL SUB PANELS SHALL HAVE 3 POWER CONDUCTORS, NEUTRAL AND GND.
SEE RISER DIAGRAM 4-E301

464 TOTAL DEMAND AMPS

2021-0194

PANEL A

FEEDERS: SEE ONE LINE DIAGRAMS
MOUNTING: NEMA-1 RECESSED
PANEL A.I.C RATING: 22,000

PANEL NQOD - SQUARE D OR EQUAL
MAIN BREAKER
MAIN 200 AMP MLO
BUSS RATING 200 AMP
VOLTAGE 120/208 V. 3 Ø, 4 WIRE W/ GND

CKT	EQ	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	WIRE	TYPE	PH	TYPE	WIRE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	EQ	CKT
1		20	2	PARKING LOT LIGHTS *?	776	10	N	A	C	12	1,873	LOBBY & DINNING ROOM LIGHTS	20	1		2
3					776	10	N	B	C	12	1,060	KITCHEN LIGHTS	20	1		4
5		20	2	PARKING LOT LIGHTS **	635	10	N	C	C	12	388	NIGHT/EMERGENCY LIGHTS	20	1		6
7					635	10	N	A	K	12	1,500	MICRO - SPECIALITY TABLE	20	2		11
9		20	1	PYLON SIGN * **	1,800	10	N	B	K	12	1,500		20			8
11		20	1	PYLON SIGNAGE * **	1,200	10	N	C	K	6	4,150	PHU	50	2	951.21	10
13		20	1	DIRECTIONAL SIGNAGE * **	500	10	N	A	K	6	4,150					12
15		20	1	DRIVE THRU **	1,000	10	C	B	K	10	2,500	TOASTER	30	2	955.11	14
17		20	1	DRIVE THRU **	1,000	10	C	C	K	10	2,500					16
19		20	1	WALL PACKS **	528	12	C	A	K	12	500	WIB FREEZER/COOLER	20	2		18
21		20	1	CHANNEL LETTERS/LOGO **	1,000	12	C	B	K	12	500					20
23		20	1	SPARE				C	K	12	720	UPRIGHT COOLER - SPEC TABLE	20	1		22
25		20	1	CONTROL PANEL	400	12	C	A	N	12	200	RECEPT - SPECIALITY TABLE	20	1		24
27		20	1	GFEP HEAT TAPE	400	12	C	B	N	12	800	ROOF RECEPTACLES	20	1		26
29		20	1	SPARE				C				SPARE	20	1		28
31		20	1	SPARE				A	N	12	400	CEILING RECEPT - SPECIALITY TABLE	20	1		30
33		20	1	SPARE				B				SPARE	20	1		32
35		20	1	SPARE				C				SPARE	20	1		34
37		20	1	SPARE				A	N	12	800	MENU BOARD	20	1		36
39		20	1	HAND DRYER	1,500	12	N	B	N	12	1,500	HAND DRYER	20	1		38
41		20	1	HAND DRYER	1,500	12	N	C	N	12	1,500	HAND DRYER	20	1		40
																42

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN.	TOTAL AMPS
PHASE A	12,262	0	0	12,262	102
PHASE B	14,336	0	0	14,336	119
PHASE C	13,593	0	0	13,593	113
TOTAL	40,191	0	0	40,191	112

	TOTAL CONN LOAD		FACTOR	TOTAL DEMAND VA	
K KITCHEN EQUIPMENT	=	11,020	VA	65%	14,713
N NON-CONTINUOUS LOADS	=	14,522	VA	100%	14,522
C CONTINUOUS LOADS	=	7,649	VA	125%	9,561
TOTAL CONNECTED AMPS		40,191	VA		35,796

NOTES
GFCI - GROUND FAULT CURRENT INTERRUPTER BREAKER
GFEP - GROUND FAULT EQUIPMENT PROTECTION BREAKER

99 TOTAL DEMAND AMPS

2021-0194

NOTES FOR PANEL 'A'
1 ** ELECTRICAL CONTRACTOR TO WIRE THESE CIRCUITS THRU MASTER RELAY(CONTACTOR) PANEL. REFERENCE WIRING DIAGRAMS ON SHEET E-501
2 ALL BREAKERS SHALL BE RATED FOR SWITCHING DUTY
3 * VERIFY CIRCUIT REQUIREMENTS FOR PYLON SIGN
4 PROVIDE BREAKER LOCKOUT DEVICE FOR HAND DRYERS PER 422.31 (B) OF THE NEC

PANEL B

FEEDERS: SEE ONE LINE DIAGRAMS
MOUNTING: NEMA-1 RECESSED
PANEL A.I.C RATING: 22,000

PANEL NQOD - SQUARE D OR EQUAL
MAIN BREAKER
MAIN 200 AMP MLO
BUSS RATING 200 AMP
VOLTAGE 120/208 V. 3 Ø, 4 WIRE W/ GND

CKT	EQ	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	WIRE	TYPE	PH	WIRE	TYPE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	EQ	CKT
1		20	1		720	12	K	A	12	N	720	SODA RECEPT	20	1		2
3	910.21	20	1	GFCI COKE MACHINE	1,440	12	K	B				SPARE				4
5		20	1	POS DRIVE THRU ***	1,000	12	N		10	K	2,000	OVEN	30	2		6
7					1,580	12	K	A	10	K	2,000					8
9		20	2	SHAKE MACHINE	1,580	12	K	B				SPARE				10
11				SPARE					10	K	2,060	ICE MACHINE	30	2		12
13	917.53	20	2	COFFEE MAKER	1,300	12	K	A	10	K	2,060					14
15					1,200	12	K	B	12	K	840 **	FRYER BANK	20	1		16
17		20	1	GFCI SMOOTHIE MACHINE	1,500	12	K	C				SPARE				18
19	931.91	20	1	GREASE UNIT/ WATER HEATER	1,500	12	K	A	12	K	1,580					20
21	910.86	20	1	CARBONATORS	520	12	K	B	12	K	1,580	SHAKE MACHINE	30	2		22
23		20	1	GFCI UPRIGHT FREEZER	1,200	12	K	C	12	N	200	RECEPT	20	1		24
25				SPARE				A	10	N	2,500	BACK WALL RECEPTACLE	30	2		26
27		20	2	FROZEN COKE	1,800	12	K	B	10	N	2,500	(TWISTLOCK)				28
29					1,800	12	K	C	12	N	790 **	EXHAUST FAN No. 2- FRYER	20	2		30
31		20	2	EXHAUST FAN No. 1 - BROILER **	790	12	N	A	12	N	790 **					32
33				**	790	12	N	B	10	K	2,060	ICE MACHINE # 2				34
35		20	1	BROILER **	900	12	K	C	10	K	2,060					36
37		20	1	BROILER **	900	12	K	A	12	N	1,200	GRIDDLE	20	1		38
39		20	1	OFFICE	1,500	12	N	B				SPARE				40
41		20	1	FRONT COUNTER PDN ***	720	12	N	C	12	N	500	IRRIGATION SYSTEM RECEPTICAL	20	1		42

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN.	TOTAL AMPS
PHASE A	17,640	0	0	17,640	147
PHASE B	15,910	0	0	15,910	133
PHASE C	15,130	0	0	15,130	126
TOTAL	48,680	0	0	48,680	135

	TOTAL CONN LOAD		FACTOR	TOTAL DEMAND VA	
K KITCHEN EQUIPMENT	=	34,280	VA	65%	22,282
N NON-CONTINUOUS LOADS	=	14,000	VA	100%	14,000
C CONTINUOUS LOADS	=	0	VA	125%	0
TOTAL CONNECTED AMPS		48,680	VA		36,682

NOTES
GFCI - GROUND FAULT CURRENT INTERRUPTER BREAKER
GFEP - GROUND FAULT EQUIPMENT PROTECTION BREAKER

102 TOTAL DEMAND AMPS

2021-0194

NOTES FOR PANEL 'B'
1 * PROVIDE ISOLATED GROUND BUS
2 ** CONTRACTOR SHALL WIRE THESE CIRCUITS THRU THE MASTER CONTACTOR PANEL - REFERENCE DRAWIN E-501
3 *** PROVIDE ELCO-1 HANDLE LOCK OFF

PANEL C

FEEDERS: SEE ONE LINE DIAGRAMS
MOUNTING: FURNISHED BY EQUIPMENT MANUFACTURER
PANEL A.I.C RATING: 22,000

PANEL NQOD - SQUARE D OR EQUAL
MAIN BREAKER
MAIN 125 AMP MLO
BUSS RATING 125 AMP
VOLTAGE 120/208 V. 3 Ø, 4 WIRE W/ GND

CKT	EQ	AMPS	POLE	CIRCUIT DESCRIPTION	LOAD	WIRE	TYPE	PH	WIRE	TYPE	LOAD	CIRCUIT DESCRIPTION	AMPS	POLE	EQ	CKT
1	950.06	20	2	PHU / MICROWAVE	1,500	12	K	A	12	N	1,800	RECEPTACLE	20	1		2
3					1,500	12	K	B	12	K	1,200	2 x 3 PRODUCT HEATING UNIT	15	2	951.25	4
5		15	1	OVERHEAD RB/PRINTERS	1,200	12	K	C	12	K	1,200					6
7		20	1	FRY STATION	1,800	12	K	A	6	K	4,150	PHU DUKE	50	2	951.21	8
9		20	1	FRY STATION	1,800	12	K	B	6	K	4,150					10
11		20	1	LIGHTSTOP AND CHUTE HEATER	430	12	K	C	12	K	1,000	HEATED SURFACE	20	1		12
13	955.95	30	2	CONVEYOR TOASTER	2,500	10	K	A	12	K	1,900	REFRIGERATION	20	1		14
15					2,500	10	K	B	12	K	1,920	MEAT WELL / BROILER	20	1		16
17	950.06	20	2	PHU / MICROWAVE	1,800	12	K	C	12	K	1,650	EGG COOKER	20	2	959.51	18
19					1,800	12	K	A	12	K	1,650					20
21	950.06	20	2	PHU / MICROWAVE	1,800	12	K	B	6	K	4,150	PHU DUKE	50	2	951.21	22
23					1,800	12	K	C	6	K	4,150					24

	PANEL VA	SUB FEED	FEED THRU	TOTAL CONN	TOTAL AMPS
PHASE A	17,100	0	0	17,100	143
PHASE B	19,020	0	0	19,020	159
PHASE C	13,230	0	0	13,230	110
TOTAL	49,350	0	0	49,350	137

	TOTAL CONN LOAD		FACTOR	TOTAL DEMAND VA	AMPS
K KITCHEN EQUIPMENT	=	47,550	VA	65%	30,908
N NON-CONTINUOUS LOADS	=	1,800	VA	100%	1,800
C CONTINUOUS LOADS	=	0	VA	125%	0
TOTAL CONNECTED AMPS		49,350	VA		32,708

91 TOTAL DEMAND AMPS

2021-0194

MAXIMUM BRANCH CIRCUIT VOLTAGE DROP SHALL BE 3% CONDUCTORS SHALL MINIMUM OF # 12.

FOR 20 AMP BRANCH CIRCUITS FOR THE LESS THAN 75 LFT USE # 12 CONDUCTORS, FOR CIRCUITS OVER 75 FEET BUT LESS THAN 150 FEET USE #10 CONDUCTORS. OVER 150 LFT USE # 8 CONDUCTORS.

ARC FLASH WARNING LABEL

ALL ELECTRICAL PANELBOARDS, SWITCHGEAR SHALL BE MARKED IN ACCORDANCE TO THE NATIONAL ELECTRICAL CODE NEC 70 (LOCALLY ADOPTED VERSION) SECTION 110.16

ELECTRICAL DISTRIBUTION PANELS, MASTER CONTACTOR PANEL AND MANUAL ON/OFF PANEL MAY BE PURCHASED AS A LOOSE GEAR PACKAGE THROUGH:
SUNCOAST ENVIRONMENTAL CONTROLS, INC.
8566 115TH AVENUE NORTH
LARGO, FLORIDA 34643
PHONE (877) 544-6679
-OR-
AS A FACTORY INTEGRATED DESIGN THROUGH:
HILL PHOENIX POWER SYSTEMS DIVISION
2050 EAST PARK DRIVE
CONYERS, GA. 30013
PRICING CAN BE OBTAINED BY CALLING 770-285-3251
OR BY SENDING AN EMAIL TO edpburgerking@hillphoenix.com

RISER NOTES:

1. ALL FUSED DISCONNECT SWITCHES TO BE PROVIDED BY CONTRACTOR.
2. REFER TO PANEL NOTES.
3. REFER TO GENERAL NOTES, SHEET E-201
4. "T.C." INDICATES TIME CLOCK (OR TIME SWITCH)
5. SEE MASTER CONTACTOR PANEL WIRING DIAGRAM FOR ADDITIONAL CIRCUITS FROM PANELS THAT ARE CONTROLLED THROUGH THE MASTER CONTACTOR PANEL
6. PROVIDE AN ISOLATED GROUND BUS IN PANEL & RUN CIRCUIT GROUND WIRE TO THIS BUS. RUN A #6 GREEN GROUND FROM THIS BUS TO MAIN SERVICE GROUND POINT.
7. MASTER CONTACTOR PANEL AND MANUAL ON-OF PANEL TO BE INCLUDED IN ELECTRICAL CONTRACTORS SCOPE OF WORK.

C405.6.4.2 MANUALS

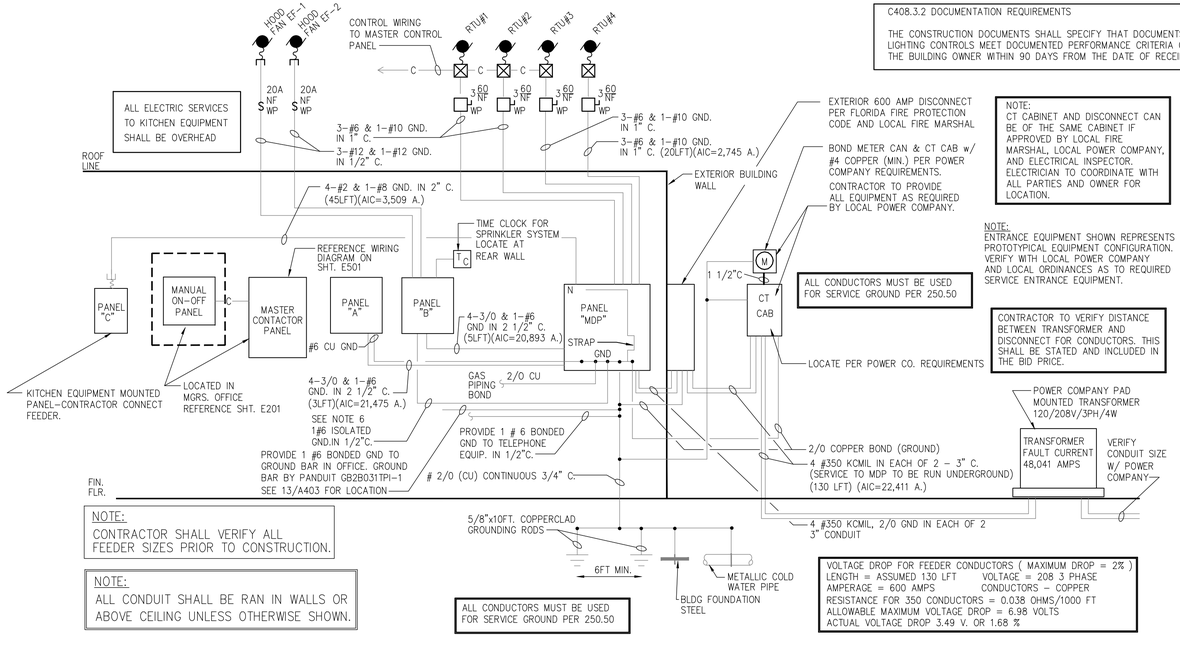
CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT AN OPERATING MANUAL AND MAINTENANCE BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
1. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE
2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTION SHALL BE CLEARLY IDENTIFIED.
3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.

NOTE: ENFORCEMENT AGENCIES SHOULD ONLY CHECK TO BE SURE THAT THE CONSTRUCTION DOCUMENTS REQUIRE THIS INFORMATION TO BE TRANSMITTED TO THE OWNER AND SHOULD NOT EXPECT COPIES OF ANY OF THE MATERIALS.

C408.3.2 DOCUMENTATION REQUIREMENTS

THE CONSTRUCTION DOCUMENTS SHALL SPECIFY THAT DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA OF SECTION C405 ARE TO BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

ALL DEVICES, CONDUCTORS, FIXTURES AND EQUIPMENT SHALL CARRY AND BE LABELED FOR A UL LISTING



1 E301 ELECTRICAL RISER DIAGRAM
SCALE: NOT TO SCALE

REV.	DESCRIPTION	BY	DATE

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ARCHITECTURAL: AA26001736
ENGINEERING: CA32769

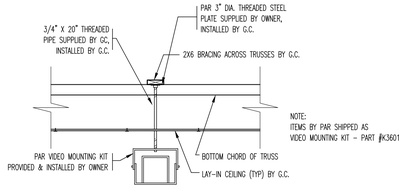
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LAKE CITY, FL 32025

BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
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ELECTRICAL PANEL DIAGRAMS

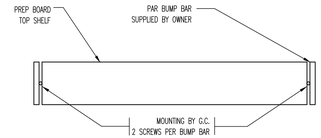
DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

E301



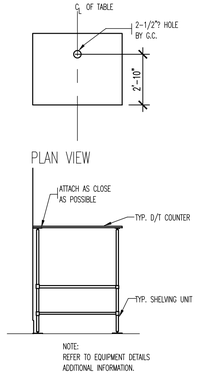
2 E401 HANGING VIDEO BRACKET

SCALE: NOT TO SCALE



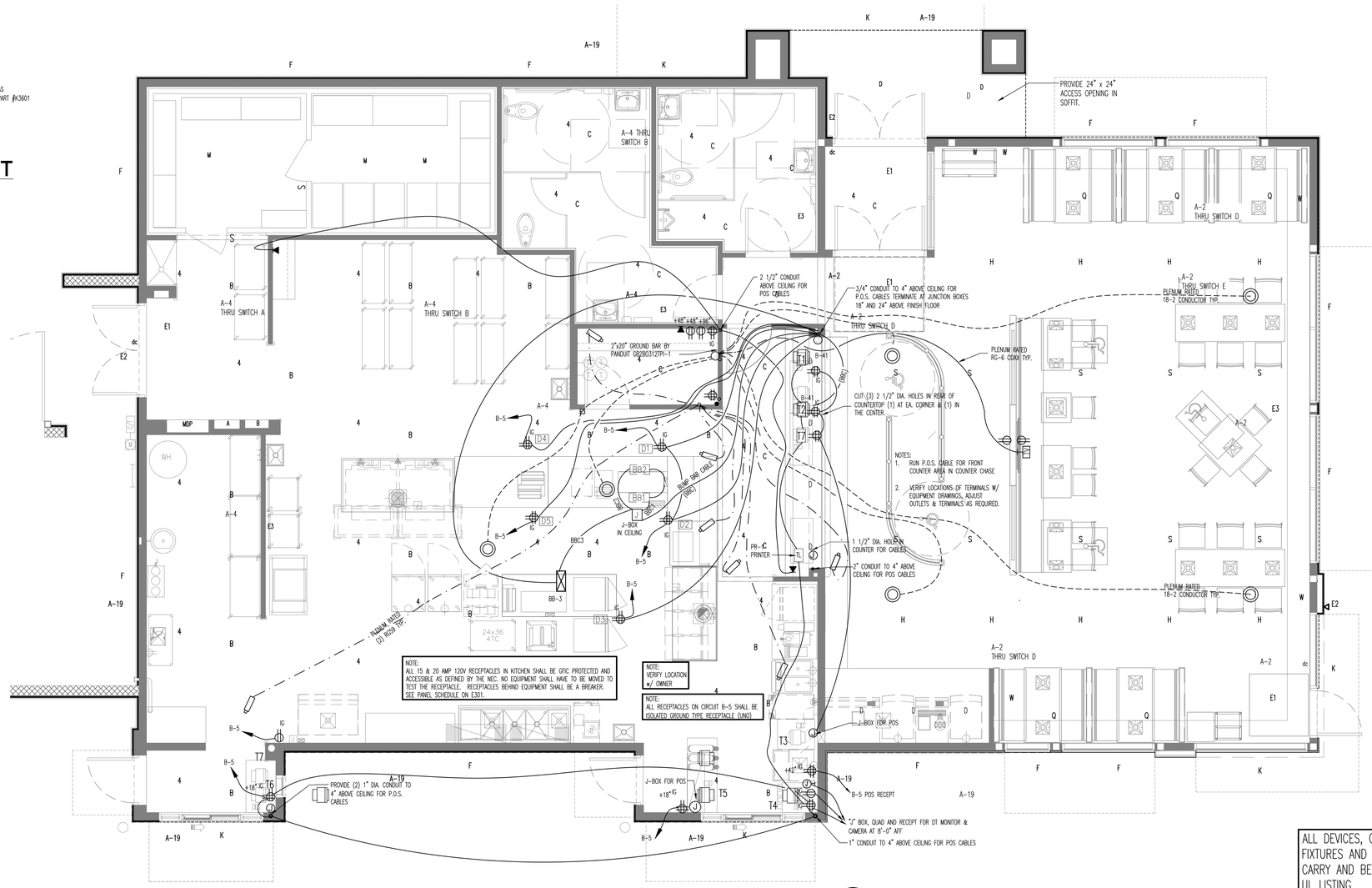
3 E401 BUMP BAR MOUNTING

SCALE: NOT TO SCALE



4 E401 SECOND DRIVE THRU WINDOW ELEV

SCALE: NOT TO SCALE



1 E401 POINT OF SALE SYSTEM PLAN

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

ALL DEVICES, CONDUCTORS, FIXTURES AND EQUIPMENT SHALL CARRY AND BE LABELED FOR A UL LISTING

NOTES:

1. CONTRACTOR TO VERIFY WHICH SYSTEM IS TO BE INSTALLED.
2. CONTRACTOR TO PROVIDE ALL RECEPTACLE OUTLETS, CONDUITS AND J-BOXES AS INDICATED ON PLAN.
3. CONTRACTOR TO VERIFY AND COORDINATE LOCATION OF VIDEO DISPLAY DEVICES W/ BURGER KING REPRESENTATIVE.
4. MAINTAIN P.O.S. CABLES A MIN. OF 12" AWAY FROM ANY FLUORESCENT LIGHT SOURCES ABOVE CEILING.
5. ELECTRICAL CONTRACTOR TO IDENTIFY P.O.S. JUNCTION BOXES ABOVE CEILING "ISOLATED GROUND P.O.S. ONLY".
6. THE PANEL SUPPLYING POWER TO THE CIRCUIT SHOULD NOT ALSO POWER INDUCTIVE SWITCHING LOADS.
7. CONTRACTOR TO RUN J-BOX AND CONDUITS FOR ALL PHONES
8. ALL LOW VOLTAGE, DATA & COMMUNICATIONS CONDUCTORS RAN ABOVE CEILING TILE SHALL BE PLENUM RATED.

LEGEND

	DUPLEX 125V-20A-2 POLE-3 WIRE STRAIGHT BLADE RECEPTACLE OUTLET - WALL MTD. (24" A.F.F., - U.O.N.) W/ ISOLATED GROUND	PR	P.O.S. PRINTER DEVICE
	QUAD 125V-20A-2 POLE-3 WIRE STRAIGHT BLADE RECEPTACLE OUTLET - WALL & CEILING MTD. W/ ISOLATED GROUND	PR	P.O.S. REGISTER DEVICE
	SINGLE 125V-20A POLE-3 WIRE STRAIGHT BLADE RECEPTACLE OUTLET - CLG. MTD., (9'-6" A.F.F. - U.O.N..) W/ ISOLATED GROUND	D	VIDEO DISPLAY DEVICE (CEILING MTD.)
TL	SPECIAL COMBINATION DUPLEX RECEPTACLE, HUBBLE #4795 OR EQUAL 125V-15A TWIST LOCK RECEPTACLE w/ INSULATED GROUND WIRE AND STANDARD 125V-15A RECEPTACLE	C	P.O.S. CABLE (BY PAR - INSTALLED BY G.C.)
	SINGLE 125V-20A-2 POLE-3 WIRE STRAIGHT BLADE RECEPTACLE OUTLET - WALL MTD. (24" A.F.F., - U.O.N.) W/ ISOLATED GROUND	U.O.N.	UNLESS OTHERWISE NOTED
B B	BUMP-BAR		SPEAKER
	TELEPHONE OUTLET FOR P.O.S. MODEM (ALL OUTLETS HOMERUN IN 3/4" CONDUIT TO TELEPHONE BACKBOARD) MOUNT 96" A.F.F.		PLENUM READY 18-2 CONDUCTED
	CAMERA		CABLE TV
	(2) RG59 PLENUM RATED COAX		

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POINT OF SALE SYSTEM PLAN

DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

E401

"MORNING ARRIVAL"

STEP 1

TURN THE KITCHEN UNOCCUPIED–OCCUPIED SWITCH TO THE THE OCCUPIED POSITION. THE KITCHENS AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTAT SET POINT.

NOTE: THE AIR CONDITIONING FAN WILL START AND RUN CONTINUOUSLY. EXHAUST FAN WILL NOT RUN UNTIL THIS SWITCH IS IN THE OCCUPIED POSITION.

STEP 2

TURN ON THE EXHAUST FAN SWITCH TO THE ON POSITION THIS WILL ALLOW YOU TO TURN ON THE FRYERS AND BROILER.

"RESTAURANT OPEN FOR BUSINESS"

STEP 1

TURN THE DINING UNOCCUPIED–OCCUPIED SWITCH TO THE THE OCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTAT SET POINT.

STEP 2

TURN THE SIGN AND PARKING LOT LIGHTING SWITCHES TO THE AUTO POSITION, THIS WILL ENGAGE THE LIGHTING PHOTOCELLS SO THAT THE LIGHTS WILL AUTOMATICALLY COME ON AFTER DARK. TURN THE SWITCH TO THE ON POSITION TO OVER RIDE THE PHOTOCELLS AT ANY TIME THE LIGHTING MUST REMAIN ON.

"RESTAURANT CLOSE FOR BUSINESS"

STEP 1

TURN THE DINING UNOCCUPIED–OCCUPIED SWITCH TO THE UNOCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO FROM THE THERMOSTAT SET POINT TO THE NIGHT SET BACK MODE.

STEP 2

TURN THE SIGN AND PARKING LOT LIGHTING SWITCHES TO THE OFF POSITION, THIS WILL DISENGAGE THE LIGHTING PHOTOCELLS.

STEP 3

TURN THE EXHAUST FAN SWITCH TO THE OFF POSITION THE BROILERS EXHAUST FAN WILL CONTINUE TO RUN FOR 15 MINUTES FOR A COOL DOWN CYCLE, AND THEN SHUT OFF AUTOMATICALLY.

NOTE: THE FRYERS AND BROILER SHOULD BE TURNED OFF AND ALLOWED TO COOL DOWN BEFORE TURNING THE HOOD OFF. TO PREVENT ACCIDENTAL ANSUL DISCHARGE, THE BROILERS HOOD WILL ALWAYS RUN 15 MINUTES AFTER THE EXHAUST FAN SWITCH IS TURNED TO THE OFF POSITION.

"EMPLOYEES LEAVING THE BUILDING"

STEP 1

WHEN READY TO EXIT THE BUILDING PUSH THE SECURITY DEPARTURES SWITCH. THE PARKING LOT LIGHTS WILL COME BACK ON FOR 15 MINUTES THEN SHUT OFF AUTOMATICALLY.

"MANAGER/LAST PERSON LEAVING THE BUILDING"

STEP 1

TURN THE KITCHEN UNOCCUPIED–OCCUPIED SWITCH TO THE UNOCCUPIED POSITION. THE KITCHENS AIR CONDITIONING SYSTEM WILL GO FROM THE THERMOSTAT SET POINT TO THE NIGHT SET BACK MODE.

STEP 2

WHEN READY TO EXIT THE BUILDING PUSH THE SECURITY DEPARTURE SWITCH. THE PARKING LOT LIGHTS WILL COME BACK ON FOR 15 MINUTES THEN SHUT OFF AUTOMATICALLY.

"HOOD VENTILATION SYSTEM NOTE"

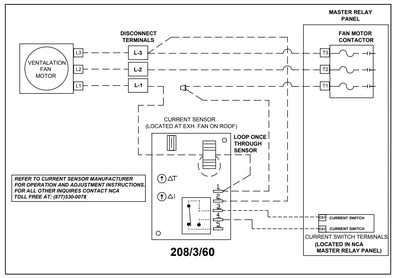
WHEN THE HOOD EXHAUST FAN CURRENT SENSOR DETECTS A DROP IN AMPERAGE (SUCH AS A BELT BREAKING) IT WILL DISABLE THE LINE VOLTAGE TO THE EXHAUST FAN(S), FRYER AND BROILER APPLIANCES. THE EXHAUST FAN SWITCH SHOULD BE PLACED IN THE OFF POSITION AND THE FAN SHOULD BE CHECKED AND/OR REPAIRED BEFORE TURNING THE SWITCH TO THE ON POSITION.

"PARKING LOT LIGHTING NOTE"

WHEN THE PARKING LOT LIGHTS ARE TURNED OFF, THEY MUST COOL DOWN FOR ABOUT 10 MINUTES BEFORE THEY WILL COME BACK ON.

*NOTE: IF IT IS NECESSARY TO ADJUST THE AMPERAGE OF THE BROILER EXHAUST HOOD FAN MOTOR, THE FAN MOTOR CURRENT SENSOR MUST BE RESET AS FOLLOWS: ADJUST UNDERCURRENT POTENTIOMETER TO MAXIMUM (CLOCKWISE IS MAXIMUM.) APPLY CURRENT. ONCE CURRENT IS STABILIZED, DECREASE UNDERCURRENT POT UNTIL RED LIGHT TURNS OFF. WITHIN SEVEN SECONDS TURN UP UNTIL RED LIGHT TURNS ON. IF A LIGHT REMAINS OFF FOR MORE THEN TEN SECONDS, DISCONNECT SUPPLY VOLTAGE TO RESET. SEE INSTALLATION INSTRUCTIONS PN MRP COVER.

CONTRACTOR PANEL TO EXHAUST FAN CURRENT SENSOR (ECS SERIES) FIELD WIRING. © COPYRIGHT 2009 NCA



208/3/60

(CAUTION: VERIFY ALL POWER SOURCES HAVE BEEN TURNED OFF BEFORE BEGINNING INSTALLATION!!)

ONE: REMOVE FACTORY SUPPLIED JUMPER WIRE JOINING TERMINALS **1** AND **3**.

TWO: CONNECT CONDUCTOR FROM **T-1** (LOCATED ON CONTACTOR) DIRECTLY TO **CURRENT SENSOR** TERMINAL **1**.

THREE: CONNECT CONDUCTOR FROM TERMINAL **1** (ON CURRENT SENSOR) AND ROUTE THROUGH THE SENSOR LOOP (ON CURRENT SENSOR) THEN TO **L-1** (LOCATED AT DISCONNECT).

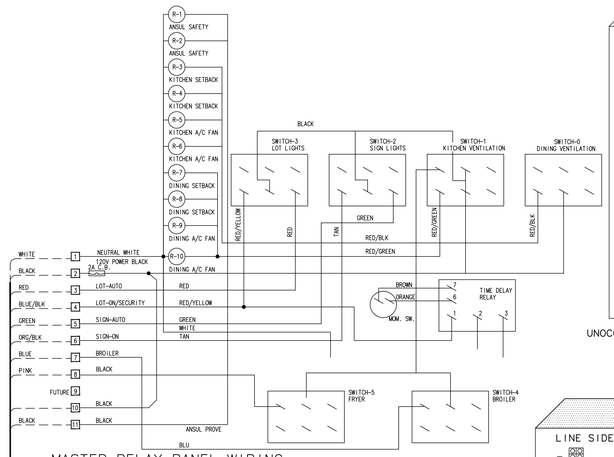
FOUR: CONNECT TERMINAL **T-2** (LOCATED ON CONTACTOR) DIRECTLY TO TERMINAL **L-2** (LOCATED AT DISCONNECT).

FIVE: ROUTE CONDUCTOR FROM TERMINAL **T-3**, (LOCATED ON CONTACTOR) TO TERMINAL **L-3** (LOCATED AT DISCONNECT) THEN TO TERMINAL **2** (ON CURRENT SENSOR).

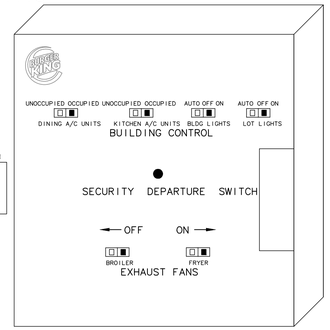
SIX: CONNECT TERMINALS MARKED **CS1** (LOCATED IN SUNCOAST PANEL) DIRECTLY TO TERMINALS **3** AND **4** (LOCATED ON THE CURRENT SENSOR).

CONTRACTOR PANEL TO EXHAUST FAN CURRENT SENSOR (ECS SERIES) FIELD WIRING. © COPYRIGHT 2009 NCA

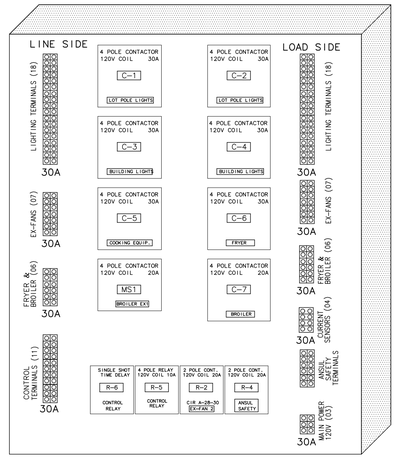
UNOCCUPIED–OCCUPIED CONTROL PANEL WIRING



MASTER RELAY PANEL WIRING

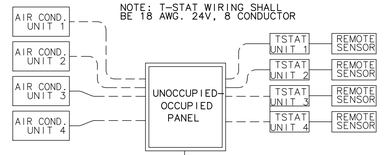


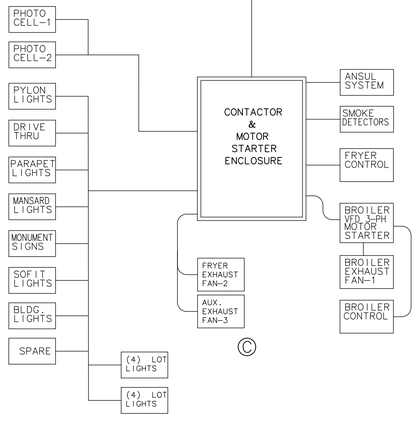
UNOCCUPIED–OCCUPIED CONTROL PANEL—18"w x 18"h x 4"d

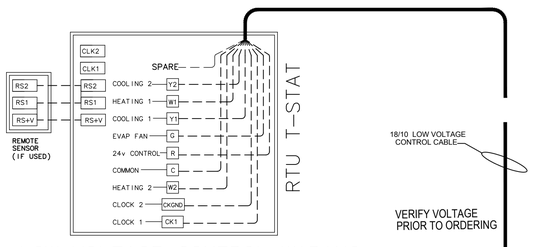


CONTACTOR PANEL—18"wX30"hX6"d

PANEL LAYOUT



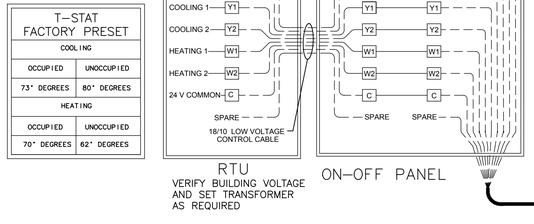




LOW VOLTAGE CONTROL WIRING

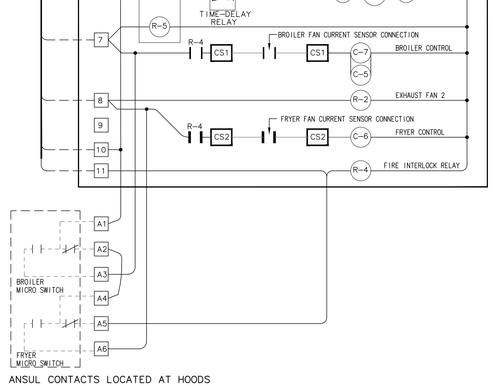
ONE AIR CONDITIONING SYSTEM SHOWN

T-STAT FACTORY PRESET	
COOLING	
OCCUPIED	UNOCCUPIED
73° DEGREES	80° DEGREES
HEATING	
OCCUPIED	UNOCCUPIED
70° DEGREES	62° DEGREES



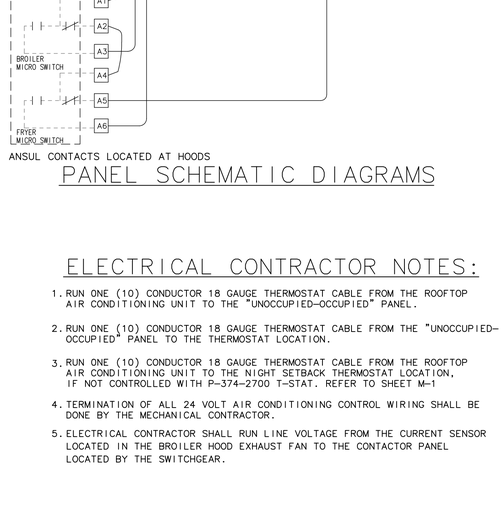
VERIFY BUILDING VOLTAGE AND SET TRANSFORMER AS REQUIRED

ONE AIR CONDITIONING SYSTEM SHOWN



ANSUL CONTACTS LOCATED AT HOODS

PANEL SCHEMATIC DIAGRAMS



ELECTRICAL CONTRACTOR NOTES:

1. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE ROOFTOP AIR CONDITIONING UNIT TO THE "UNOCCUPIED–OCCUPIED" PANEL.
2. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE "UNOCCUPIED–OCCUPIED" PANEL TO THE THERMOSTAT LOCATION.
3. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE ROOFTOP AIR CONDITIONING UNIT TO THE NIGHT SETBACK THERMOSTAT LOCATION, IF NOT CONTROLLED WITH P-374–2700 T-STAT. REFER TO SHEET M-1
4. TERMINATION OF ALL 24 VOLT AIR CONDITIONING CONTROL WIRING SHALL BE DONE BY THE MECHANICAL CONTRACTOR.
5. ELECTRICAL CONTRACTOR SHALL RUN LINE VOLTAGE FROM THE CURRENT SENSOR LOCATED IN THE BROILER HOOD EXHAUST FAN TO THE CONTACTOR PANEL LOCATED BY THE SWITCHGEAR.

ELECTRICAL DISTRIBUTION PANELS, MASTER CONTACTOR PANEL AND MANUAL ON/OFF PANEL MAY BE PURCHASED AS A LOOSE GEAR PACKAGE THROUGH:
SUNCOAST ENVIRONMENTAL CONTROLS, INC.
8566 115TH AVENUE NORTH
LARGO, FLORIDA 34643
PHONE (877) 544–6679
–OR–
AS A FACTORY INTEGRATED DESIGN THROUGH:
HILL PHOENIX POWER SYSTEMS DIVISION
2050 EAST PARK DRIVE
CONYERS, GA. 30013
PRICING CAN BE OBTAINED BY CALLING 770–285–3251
OR BY SENDING AN EMAIL TO edpburgerking@hillphoenix.com

BURGER–KING SEQUENCE OF OPERATION

MANUAL CONTROL SYSTEM

THE A/C UNITS ON–OFF SWITCH IS USED TO: TURN THE STORE ON IN THE MORNING AND OFF IN THE EVENING.

WHEN A/C UNIT ON–OFF SWITCH IS TURNED TO THE ON POSITION: THE AIR CONDITIONING SYSTEM WILL GO FROM NIGHT MODE TO SYSTEM ON.

THE AIR CONDITIONING FANS WILL START AND RUN CONTINUOUSLY.

THE OUTDOOR DAMPERS WILL OPEN TO A PRESET POSITION. (OPTIONAL)

DAMPERS WILL NOT OPEN DURING NIGHT SET BACK MODE. (OPTIONAL)

THE AIR CONDITIONERS WILL BEGIN TO COOL OR HEAT AT THE OCCUPIED TEMPERATURE SETPOINT.

THE COOKING EQUIPMENT AND EXHAUST FANS CAN NOW BE TURNED ON WHEN NEEDED.

WHEN A/C ON–OFF SWITCH IS TURNED TO THE OFF POSITION: EXHAUST FANS, SUPPLY FANS, AND EVAPORATOR BLOWERS WILL SHUT DOWN.

THE HEATING AND COOLING OPERATION SHALL REVERT TO SYSTEM NIGHT SET BACK MODE.

THE COOKING EQUIPMENT SHALL BE DISABLED.

THE SIGNAGE LIGHTING & LOT LIGHTING SHALL BE DISABLED IF SWITCHES ARE IN THE OFF POSITION.

THE PARKING LOT POLE LIGHTS & SECURITY LIGHTS SHALL REMAIN ON FOR 15 MIN AFTER THE SECURITY DEPARTURE SWITCH IS ACTIVATED.

WHEN THE HOOD EXHAUST FAN CURRENT SENSOR DETECTS A DROP IN AMPERAGE IT WILL DISABLE THE LINE VOLTAGE TO THE FRYER AND BROILER APPLIANCES.

HOOD VENTILATION SYSTEM

IF THE HOOD VENTILATION SWITCH IS IN THE OPEN POSITION, THE HOOD VENTILATION SYSTEM CAN BE STARTED.

THE BROILER SYSTEM AND THE FRYER SYSTEM SHALL BE STARTED BY MOVING THE ON/OFF SWITCH TO THE ON POSITION. IF EITHER THE BROILER OR FRYER SWITCH IS IN THE ON POSITION, THE MAKE–UP AIR UNIT (IF APPLICABLE) SHALL START AUTOMATICALLY.

ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM SHALL DE–ENERGIZE THE MAKE UP AIR UNIT, ALL A/C UNITS, AND THE CONTROLLED COOKING EQUIPMENT. THE BROILER AND THE FRYER EXHAUST SYSTEM SHALL CONTINUE TO OPERATE. THE FIRE SUPPRESSION SYSTEM SHALL BE MANUALLY RESET.

NOTE:
ALL EXHAUST HOODS SHOULD HAVE SENSOR TO AUTOMATICALLY TURN ON HOOD SYSTEM IF ABOVE 100°F AND FANS SHALL CONTINUE TO RUN UNTIL AMBIENT AIR TEMP IN HOOD SYSTEM REACHES 90°F

EXTERIOR LIGHTING CONTROL

ALL OF THE EXTERIOR LIGHTING SHALL BE CONTROLLED, WITH THE EXCEPTION OF THE SECURITY LIGHTS WHICH SHALL BE OPERATED BY ITS

OWN PHOTOCELL. SECURITY LIGHTING IS OPTIONAL.
THE SIGNAGE SELECTOR SWITCH (3–POS.) CONTROLS THE PRIME SIGN,

ALL MARQUEE SIGNS, AND BUILUDING ACCENT LIGHTING.

ON POSITION: LIGHTING SHALL BE ON PERMANENTLY.

OFF POSITION: LIGHTING SHALL BE OFF PERMANENTLY.

AUTO POSITION: LIGHTING SHALL BE CONTROLLED BY THE PHOTO CELL.

THE LOT LIGHTS THREE POSITION SWITCH WORKS THE SAME AS THE SIGNAGE SWITCH.

NOTE: ON–OFF / MASTER RELAY PANEL SHALL BE COMPLETE WHEN SHIPPED TO THE JOB SITE. NO INTERNAL WIRING SHALL BE REQUIRED. MAKE ALL EXTERNAL WIRING CONNECTIONS AS REQUIRED.

Underwriters Laboratories, Inc.

ALL DEVICES, CONDUCTORS, FIXTURES AND EQUIPMENT SHALL CARRY AND BE LABELED FOR A UL LISTING

1 E501 LOW VOLTAGE CONTROL WIRING, THERMOSTAT

SCALE: NOT TO SCALE

REV.	DESCRIPTION	BY	DATE

The concepts, designs, plans, details and other information as shown on this document are the sole property of JONES PETRINSKI RAFINSKI ARCHITECTURAL AA26001736 and may not be used or disseminated without the expressed written consent of JPR ARCHITECTURAL AA26001736. ALL RIGHTS RESERVED. © 2021

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JONES PETRINSKI RAFINSKI ARCHITECTURAL AA26001736
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p. 260.422.2522
South Bend, IN
p. 574.233.4188
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p. 574.293.7762
ENGINEERING CA3269

BURGER KING - #
13721 U.S. HIGHWAY 441 SOUTH
LAKE CITY, FL 32025
BRAVOFLORIDA, LLC.
3108 U.S. HIGHWAY 301 NORTH, STE. 100
TAMPA, FL 33619
CONTACTOR PANEL DIAGRAMS

DESIGNED BY:
REVIEWED BY: DEB, SJV
DRAWN BY:
DATE: JULY 8, 2021
JOB NUMBER: 2021-0194
SCALE: AS NOTED

E501

COMcheck Software Version 4.1.5.1
Envelope Compliance Certificate

Project Information

Energy Code:	90.1 (2016) Standard
Project Title:	Burger King Restaurant
Location:	Lake City, Florida
Climate Zone:	2a
Project Type:	New Construction
Vertical Glazing / Wall Area:	17%
Performance Sim. Specs:	EnergyPlus 8.1.0.009 (EPW: USA_FL_Jacksonville.Intl.AP.722060_TMY3.epw)

Construction Site:
BK Restaurant - Lake City
Lake City, FL 32025

Owner/Agent:
Tim Murdock
Brovotampa, LLC.
3018 US Hwy 301 N. Suite 100
Tampa, FL 33619
813-239-4609
TMurdock@qdi.com

Designer/Contractor:
Steve Vandenburg
Jones Petrie Rafinski
325 S. Lafayette Blvd.
South Bend, IN 46601
574-232-4388
svandenburg@jpr1source.com

Building Area	Floor Area
1-Dining: Cafeteria/Fast Food : Nonresidential	3531

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof 1: Insulation Entirely Above Deck: High Albedo Roof Required, 3-Year-Aged Solar Reflectance = 0.68, Thermal Emittance = 0.84, [Bldg. Use 1 - Dining: Cafeteria/Fast Food]	3531	---	25.6	0.038	0.039
Floor 1: Slab-On-Grade:Unheated, [Bldg. Use 1 - Dining: Cafeteria/Fast Food] (c)	259	---	---	0.730	0.730
NORTH					
Exterior Wall 4 Drive-thru: Steel-Framed, 16" o.c., [Bldg. Use 1 - Dining: Cafeteria/Fast Food]	1200	19.0	1.2	0.097	0.084
Window 4: Metal Frame:Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, VT 0.35, [Bldg. Use 1 - Dining: Cafeteria/Fast Food] (b)	249	---	---	0.400	0.540
EAST					
Exterior Wall 3 - Kitchen: Steel-Framed, 16" o.c., [Bldg. Use 1 - Dining: Cafeteria/Fast Food]	1036	19.0	1.2	0.097	0.084
Window 3: Metal Frame:Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, VT 0.35, [Bldg. Use 1 - Dining: Cafeteria/Fast Food] (b)	8	---	---	0.400	0.540
Door 3: Insulated Metal, Swinging, [Bldg. Use 1 - Dining: Cafeteria/Fast Food]	84	---	---	0.400	0.370
SOUTH					
Exterior Wall 2 - Entry: Steel-Framed, 16" o.c., [Bldg. Use 1 - Dining: Cafeteria/Fast Food]	1200	19.0	1.2	0.097	0.084
Window 2: Metal Frame:Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, VT 0.35, [Bldg. Use 1 - Dining: Cafeteria/Fast Food] (b)	144	---	---	0.400	0.540
Door 2: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.25, VT 0.35, [Bldg. Use 1 - Dining: Cafeteria/Fast Food] (b)	42	---	---	0.400	0.650

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
WEST					
Exterior Wall 1 - Diining: Steel-Framed, 16" o.c., [Bldg. Use 1 - Dining: Cafeteria/Fast Food]	1043	19.0	1.2	0.097	0.084
Window 1: Metal Frame:Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, VT 0.35, [Bldg. Use 1 - Dining: Cafeteria/Fast Food] (b)	289	---	---	0.400	0.540
Door 1: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.25, VT 0.35, [Bldg. Use 1 - Dining: Cafeteria/Fast Food] (b)	21	---	---	0.400	0.830

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 0.3% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2016) Standard requirements in COM*check* Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

STEVEN J VANDENBURG ARCHITECT — Name - Title

Signature

6-16-2021 — Date

COM*check* Software Version 4.1.5.1

Inspection Checklist

Energy Code: 90.1 (2016) Standard

Requirements: 100.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 5.4.3.1.1, 5.7 [PR1][1]	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6][2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.5.4.2.3 [PR7][2]	In buildings > 2,500 ft2, any enclosed spaces directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse, corridor, storage (including nonrefrigerated warehouse), gymnasium, fitness/exercise area, playing area, gymnasium seating area, convention exhibit/event space, courtroom, automotive service, fire station engine room, manufacturing corridor/transition and bay areas, retail, library reading and stack areas, distribution/sorting area, transportation baggage and seating areas, or workshop, the following requirements apply: The daylight zone under skylights is >= half the floor area and (a) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40 or (b) the minimum skylight effective aperture >= 1 percent. The skylights have a measured haze value > 90 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [FO1][2]	Installed below-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
4.2.4 [FO3][2]	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-____ ☐ Unheated ☐ Heated	R-____ ☐ Unheated ☐ Heated	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2 [FO4][2]	Slab edge insulation installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.5.3.5 [FO5][2]	Slab edge insulation depth/length.	____ ft	____ ft	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.7 [FO6][1]	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.8.1.7.3 [FO7][1]	Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.4.1.5 [FO11][3]	Bottom surface of floor structures incorporating radiant heating insulated to >=R-3.5.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Envelope Assemblies table for values.*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1][3]	Factory-built and site-assembled fenestration and doors are labeled or certified as meeting air leakage requirements.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.5.4.3a [FR8][1]	Vertical fenestration U-Factor.	U-____	U-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.3b [FR9][1]	Skylight fenestration U-Factor.	U-____	U-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.4.1 [FR10][1]	Vertical fenestration SHGC value.	SHGC:____	SHGC:____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.4.2 [FR11][1]	Skylight SHGC value.	SHGC:____	SHGC:____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.2.1, 5.8.2.3, 5.8.2.4, 5.8.2.5 [FR12][2]	Fenestration products rated (U-factor, SHGC, and VT) in accordance with NFRC or energy code defaults are used.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.8.2.2 [FR13][1]	Fenestration and door products are labeled, or a signed and dated certificate listing the U-factor, SHGC, VT, and air leakage rate has been provided by the manufacturer.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.5.3.6 [FR14][2]	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U-____ ☐ Swinging ☐ Nonswinging	U-____ ☐ Swinging ☐ Nonswinging	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.4.3.1 [FR15][1]	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10]²	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Spaces where safety or security concerns prohibit automatic shutoff.
8.4.3 [EL11]²	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [IN2][1]	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	R-____ ☐ Above deck ☐ Metal ☐ Attic	R-____ ☐ Above deck ☐ Metal ☐ Attic	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2, 5.8.1.3 [IN3][1]	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the ceiling slope is <= 3:12.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
4.2.4 [IN6][1]	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-____ ☐ Mass ☐ Metal ☐ Steel ☐ Wood	R-____ ☐ Mass ☐ Metal ☐ Steel ☐ Wood	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2 [IN7][1]	Above-grade wall insulation installed per manufacturer's instructions.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
4.2.4 [IN8][2]	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-____ ☐ Mass ☐ Steel ☐ Wood	R-____ ☐ Mass ☐ Steel ☐ Wood	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.1 [IN10][2]	Building envelope insulation is labeled with R-value or insulation certificate has been provided listing R-value and other relevant data.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.8.1.9 [IN18][2]	Building envelope insulation extends over the full area of the component at the proposed rated R or U value.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.8.1.4 [IN11][2]	Eaves are baffled to deflect air to above the insulation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.8.1.5 [IN12][2]	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.8.1.6 [IN13][2]	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.8.1.7.1 [IN15][2]	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.7.2 [IN16][2]	Foundation vents do not interfere with insulation.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
5.8.1.8 [IN17][3]	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 [FI1][1]	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

COM*check* Software Version 4.1.5.1

Mechanical Compliance Certificate

Project Information

Energy Code:	90.1 (2016) Standard
Project Title:	Burger King Restaurant
Location:	Lake City, Florida
Climate Zone:	2a
Project Type:	New Construction

Construction Site:
BK Restaurant
Lake City, FL 32025

Owner/Agent:
Tim Murdock
Bravotampa, LLC
3018 US Hwy 301 N. Suite 100
Tampa, FL 33619
(813) 239-4609
TMurdock@qdi.com

Designer/Contractor:
Steve Vandenburg
Jones Petrie Rafinski
325 S. Lafayette Blvd.
South Bend, IN 46601
574 232 4388
svandenburg@jpr1source.com

Mechanical Systems List

Quantity	System Type & Description
2	RTU-1 & RTU-3 (Single Zone): Heating: 2 each - Central Furnace, Electric, Capacity = 41 kBtu/h No minimum efficiency requirement applies Cooling: 2 each - Single Package DX Unit, Capacity = 104 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.20 EER, Required Efficiency: 11.20 EER + 12.9 IEER Fan System: FAN SYSTEM 2 | DINING MAIN / KITCHEN MAIN -- Compliance (Motor nameplate HP method) : Passes Fans: FAN 2 Supply, Constant Volume, 3400 CFM, 2.4 motor nameplate hp, 0.5 fan efficiency grade
2	RTU-2 & RTU-4 (Single Zone): Heating: 2 each - Central Furnace, Electric, Capacity = 27 kBtu/h No minimum efficiency requirement applies Cooling: 2 each - Single Package DX Unit, Capacity = 60 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 15.60 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 1 | DINING SUB / KITCHEN SUB -- Compliance (Motor nameplate HP method) : Passes Fans: FAN 1 Supply, Constant Volume, 2000 CFM, 2.4 motor nameplate hp, 52.0 fan efficiency grade
1	Water Heater 1: Gas Storage Water Heater, Capacity: 100 gallons, Input Rating: 199 kBtu/h w/ Circulation Pump Proposed Efficiency: 92.00 % Et, Required Efficiency: 80.00 % Et

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2016) Standard requirements in COM*check* Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

STEVEN J VANDENBURG ARCHITECT — Name - Title

Signature

6-16-2021 — Date

COMcheck Software Version 4.1.5.1

Inspection Checklist

Energy Code: 90.1 (2016) Standard

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 6.4.4.2.1, 6.7.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
4.2.2, 7.7.1, 10.4.2 [PR3][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6][2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.2.4 [PR5][1]	Detailed instructions for HVAC systems commissioning included on the plans or specifications for projects >=50,000 ft2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
6.4.3.7 [FO9][3]	Freeze protection and snow/ice melting system sensors for future connection to controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
7.4.4.1 [PL2][3]	Temperature controls installed on service water heating systems (<=120ºF to maximum temperature for intended use).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
7.4.4.2 [PL3][1]	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.1.4, 6.4.1.5 [ME1][2]	HVAC equipment efficiency verified. Non-NAECA HVAC equipment labeled as meeting 90.1.	Efficiency:____	Efficiency:____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
6.4.3.4.1 [ME3][3]	Stair and elevator shaft vents have motorized dampers that automatically close.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.4.3.4.5 [ME39][3]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.4.3.4.4 [ME5][3]	Ventilation fans >0.75 hp have automatic controls to shut off fan when not required.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.8 [ME6][1]	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Systems with a design outdoor airflow less than 1200 cfm.
6.5.3.2.1 [ME40][2]	DX cooling systems >= 75 kBtu/h (>= 65 kBtu/h effective 1/2016) and chilled-water and evaporative cooling fan motor hp >= ¼ designed to vary supply fan airflow as a function of load and comply with operational requirements.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values.*
6.4.4.1.1 [ME7][3]	Insulation exposed to weather protected from damage. Insulation outside of the conditioned space and associated with cooling systems is vapor retardant.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.4.1.2 [ME8][2]	HVAC ducts and plenums insulated per Table 6.8.2. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	R-____	R-____	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.4.1.3 [ME9][2]	HVAC piping insulation thickness. Where piping is installed in or under a slab, verification may need to occur during Foundation Inspection.	____ in.	____ in.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.4.4.1.4 [ME41][3]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.4.4.2.1 [ME10][2]	Ducts and plenums having pressure class ratings are Seal Class A construction.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.8.1-15, 6.8.1-16 [ME110][2]	Electrically operated DX-DOAS units meet requirements per Tables 6.8.1-15 or 6.8.1-16.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.4.4.2.2 [ME11][3]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.4.4.2.2 [ME11][3]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.2.3 [ME19][3]	Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cold airstreams or concurrent heating and cooling of the same airstream.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.2.4.1 [ME68][3]	Humidifiers with airstream mounted preheating jackets have preheat auto-shutoff value set to activate when humidification is not required.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.2.4.2 [ME69][3]	Humidification system dispersion tube hot surfaces in the airstreams of ducts or air-handling units insulated >= R-0.5.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.2.5 [ME70][3]	Preheat coils controlled to stop heat output whenever mechanical cooling, including economizer operation, is active.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.2.6 [ME106][3]	Units that provide ventilation air to multiple zones and operate in conjunction with zone heating and cooling systems are prevented from using heating or heat recovery to warm supply air above 60°F when representative building loads or outdoor air temperature indicate that most zones demand cooling.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.3.6 [ME72][2]	Motors for fans >= 1/12 hp and < 1 hp are electronically-commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.3.6 [ME72][2]	Motors for fans >= 1/12 hp and < 1 hp are electronically-commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.4 [ME108][2]	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.3.4 [ME108][2]	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.3.7 [ME109][2]	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.7 [ME109][2]	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.3.3 [ME42][3]	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values.*
6.5.3.3 [ME42][3]	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values.*
6.5.4.2 [ME25][3]	HVAC pumping systems with >= 3 control values designed for variable fluid flow (see section details).			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
7.5.3 [ME78][2]	Gas-fired water-heating equipment installed in new buildings: where a singular piece of water-heating equipment >= 1,000 kBtu/h serves the entire building, thermal efficiency must be >= 90 Et. Where multiple pieces of water-heating equipment serve the building with combined rating is >= 1,000 kBtu/h, the combined input-capacity-weighted-average thermal efficiency , thermal efficiency must be >= 90 Et. Exclude input rating of equipment in individual dwelling units and equipment <= 100 kBtu/h.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.6.1 [ME56][1]	Exhaust air energy recovery on systems meeting Tables 6.5.6.1-1, and 6.5.6.1-2.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.7.1 [ME100][2]	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.7.1 [ME100][2]	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.7.2.1 [ME32][2]	Kitchen hoods >5,000 cfm have make up air >=50% of exhaust air volume.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.7.2.4 [ME49][3]	Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.8.1 [ME34][2]	Unenclosed spaces that are heated use only radiant heat.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.9 [ME35][1]	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.9 [ME35][1]	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
7.4.2 [ME36][2]	Service water heating equipment meets efficiency requirements.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
6.4.3.9 [ME63][2]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.10 [ME73][3]	Doors separating conditioned space from the outdoors have controls that disable/reset heating and cooling system when open.			☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Building entrances have automatic closing devices.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10][2]	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Spaces where safety or security concerns prohibit automatic shutoff.
8.4.3 [EL11][2]	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
10.4.1 [EL9][2]	Electric motors meet requirements where applicable.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
6.4.3.1.2 [FI3][3]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.2 [FI20][3]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.3.1 [FI21][3]	HVAC systems equipped with at least one automatic shutdown control.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.3.2 [FI22][3]	Setback controls allow automatic restart and temporary operation as required for maintenance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.12 [FI200][3]	Air economizer has a fault detection and diagnostics (FDD) system (see details for configuration and operational requirements).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.12 [FI200][3]	Air economizer has a fault detection and diagnostics (FDD) system (see details for configuration and operational requirements).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.6 [FI6][3]	When humidification and dehumidification are provided to a zone, simultaneous operation is prohibited. Humidity control prohibits the use of fossil fuel or electricity to produce RH > 30% in the warmest zone humidified and RH < 60% in the coldest zone dehumidified.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.2.1 [FI7][3]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.2.2 [FI8][3]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.2.3 [FI9][1]	An air and/or hydronic system balancing report is provided for HVAC systems serving zones >5,000 ft2 of conditioned area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.2.4 [FI10][1]	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
7.4.4.3 [FI11][3]	Public lavatory faucet water temperature <=110°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
7.4.4.4 [FI12][3]	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
10.4.3 [FI24][2]	Elevators are designed with the proper lighting, ventilation power, and standby mode.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

COMcheck Software Version 4.1.5.1

Interior Lighting Compliance Certificate

Project Information

Energy Code:	90.1 (2016) Standard
Project Title:	Burger King Restaurant
Project Type:	New Construction

Construction Site:
BK Restauraunt
Lake City, FL 32025

Owner/Agent:
Tim Murdock
Bravotampa, LLC
3018 U.S..Highway 301 N.
Tampa, FL 33619
574 271 4600
TMurdock@qdi.com

Designer/Contractor:
Steve Vandenburg
Jones Petrie Rafinski
325 S. Lafayette Blvd.
South Bend, IN 46601
574 232 4388
svandenburg@jpr1source.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Common Space Types:Lobby - General	50	1.00	50
2-Common Space Types:Food Preparation	817	1.06	866
3-Common Space Types:Dining Area - Family Restaurant	1252	0.71	889
4-Common Space Types:Office - Enclosed	47	0.93	44
5-Common Space Types:Restrooms	304	0.85	258
6-Common Space Types:Storage	468	0.63	295
7-Common Space Types:Sales Area	41	1.22	50
		Total Allowed Watts =	2452

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Common Space Types:Lobby - General				
LED 1: C: LED Panel 33W:	1	1	36	36
2-Common Space Types:Food Preparation				
LED 2: B: LED Panel 44W:	1	12	45	535
LED 3: C: LED Panel 33W:	1	3	36	107
LED 4: D: LED PAR 8W:	1	4	9	36
3-Common Space Types:Dining Area - Family Restaurant				
LED 5: D: LED PAR 8W:	1	4	9	36
LED 7: H: LED PAR 8W:	1	9	9	81
LED 8: Q: LED A Lamp 11W:	1	5	11	55
LED 14: W: LED PAR 8W:	1	5	9	45
LED 16: S: LED A Lamp 11W:	1	10	11	110
4-Common Space Types:Office - Enclosed				
LED 9: C: LED Panel 33W:	1	1	36	36
5-Common Space Types:Restrooms				
LED 10: C: LED Panel 33W:	1	6	36	215

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
6-Common Space Types:Storage				
LED 11: B: LED Panel 44W:	1	6	45	268
LED 13: M: LED Linear 22W:	1	3	29	87
LED 15: R: LED Panel 44W:	1	1	45	45
7-Common Space Types:Sales Area				
LED 12: B: LED Panel 44W:	1	1	45	45
			Total Proposed Watts =	1736

Interior Lighting PASSES: Design 29% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2016) Standard requirements in COM*check* Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

STEVEN J VANDENBURGH ARCHITECT — Signature — 6-16-2021

Name - Title — Signature — Date

COMcheck Software Version 4.1.5.1

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	90.1 (2016) Standard
Project Title:	Burger King Restaurant
Project Type:	New Construction
Exterior Lighting Zone	2 (Neighborhood business district)

Construction Site:
BK Restauraunt
Lake City, FL 32025

Owner/Agent:
Tim Murdock
Bravotampa, LLC
3018 U.S..Highway 301 N.
Tampa, FL 33619
574 271 4600
TMurdock@qdi.com

Designer/Contractor:
Steve Vandenburg
Jones Petrie Rafinski
325 S. Lafayette Blvd.
South Bend, IN 46601
574 232 4388
svandenburg@jpr1source.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	6 ft2	0.25	Yes	2
Drive-up windows/doors	2 windows	200	No	400
Illuminated length of facade wall or surface	216 ft	2.5	No	540
Drive-up windows/doors	2 windows	200	No	400
			Total Tradable Watts (a) =	2
			Total Allowed Watts =	1342
			Total Allowed Supplemental Watts (b) =	400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Entry canopy (6 ft2): Tradable Wattage				
LED 1: D: LED PAR 8W:	1	2	9	18
LED 2: K: Other:	1	1	28	28
Drive-up windows/doors (2 windows or doors): Non-tradable Wattage				
LED 3: K: Other:	1	1	28	28
Illuminated length of facade wall or surface (216 ft): Non-tradable Wattage				
LED 4: F: Other:	1	12	42	500
LED 5: K: Other:	1	3	28	85
Drive-up windows/doors (2 windows or doors): Non-tradable Wattage				
LED 6: K: Other:	1	2	28	56
			Total Tradable Proposed Watts =	46

Exterior Lighting PASSES: Design 87% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2016) Standard requirements in COM*check* Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

STEVEN J VANDENBURG ARCHITECT — 6-16-2021

Name - Title | Signature | Date

COMcheck Software Version 4.1.5.1

Inspection Checklist

Energy Code: 90.1 (2016) Standard

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6][2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
4.2.2, 9.4.3, 9.7 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
9.7 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10][2]	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Spaces where safety or security concerns prohibit automatic shutoff.
8.4.3 [EL11][2]	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
9.4.1.1 [EL1][2]	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as 'REQ') and optional choice controls (labeled as 'ADD1' and 'ADD2') are implemented.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
9.4.1.1 [EL2][2]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
9.4.1.1f [EL13][1]	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
9.4.1.4 [EL3][2]	Automatic lighting controls for exterior lighting installed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
9.4.1.3 [EL4][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
9.6.2 [EL8][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
8.7.1 [FI16][3]	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
8.7.2 [FI17][3]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
9.2.2.3 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
9.4.2 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*
9.4.4 [FI20][1]	At least 75% of all permanently installed lighting fixtures in dwelling units have >= 55 lm/W efficacy or a >= 45 lm/W total luminaire efficacy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)