NATIONAL ACCOUNT VENDOR LIST

	PRODUCT	VENDOR	CONTACT	PHONE	ADDRESS
1	WALK-IN COOLER AND FREEZERS	REDICO. INC.	JANNA WILSON JANNA@REDICOINC.COM	M: (678) 998-1222	1850 SOUTH LEE COURT BUFORD, GA 30518
2	BRICK	GENERAL SHALE	JAKE BRADFORD JAKEBRADFORD@MERIDIANBRICK.COM	M: (404) 694-8538	
3	FINISH HARDWARE	LOCKNET	JEFF KIRKNER	O: (800) 887-4307 EXTENSION: 131	100 COURCHELLE DR. NICHOLASVILLE, KY 40356
4	CERAMIC TILE AND BASE *	DALTILE *	TERRIE MILLER	M: (877) 556-5728 M: (214) 309-3408	RACETRAC@DALTILE.COM
5	LIGHTING PACKAGE	CED	SHAWN CAMPBELL SHAWN.CAMPBELL@CED.COM	O: (817) 923-1983 M: (678) 215-3065	3209 ALTA MERE DRIVE FORT WORTH, TX 76116
6	ELECTRICAL PANELS	SQUARE D	HUNTER NASH	O: (704) 645-2630 M: (980) 234-5760	105 SUMMIT PARK DRIVE SALISBURY, NC 28146
7	HVAC SYSTEM	CARRIER	BOB ECKWEILER BOB.ECKWEILER@CARRIER.COM	M: (973) 222-6742	
8	CEILING TILE	ARMSTRONG CEILING SOLUTIONS	CHERYL B. SMITH CBSMITH@ARMSTRONGCEILINGS.COM	M: (252) 214-4426	
9	ACM - GA , FL, TN, IN & KY	MADISON INDUSTRIES, INC	MARK GLADDEN MGLADDEN@MADISONIND.COM	O: (770) 483-4401 M: (770) 826-4694	1035 IRIS DRIVE, SE CONYERS, GA 30094
10	ACM - LA & DFW	LANE SUPPLY, INC	DON LINDSEY DONLINDSEY@PRODIGY.NET	M: (817) 917-1517	120 FAIRVIEW ARLINGTON, TX 76010
11	PAINT	SHERWIN WILLIAMS	DWIGHT LECLAIR DCLECLAIR@SHERWIN.COM	M: (678) 361-6108	2800 CENTURY PARKWAY NE, SUITE 1000 ATLANTA, GA 30345
12	FRP	MARLITE	ANITA CRAIG ACRAIG@MARLITE.COM	M: (330) 260-7621	

NOTES:
- PROVIDE 48 HOUR NOTIFICATION TO VENDOR FOR INSPECTIONS.
- NATIONAL PRICING CONTRACTS ARE IN PLACE WITH ALL OF THE VENDORS INDICATED ABOVE.
- COORDINATE PRODUCT LEAD TIMES WITH VENDOR.

*** ALL TILE ORDERS MUST BE PLACED THROUGH THE NATIONAL ACCOUNT CONTACT INFORMATION NOTED HERE (360 PROGRAM)**

SHOP DRAWING REQUIREMENT:
ALL SHOP DRAWINGS ARE REQUIRED: STOREFRONT; A.C.M.; MASONRY AND CAST STONE; H.V.A.C.; FIRE SPRINKLER (WHEN APPLICABLE) STRUCTURAL (SEE S000 FOR REQUIREMENTS)

- WHERE PRODUCTS ARE NOT INDICATED ON THE NATIONAL ACCOUNT VENDOR LIST OR THE PREFERRED VENDOR LIST AND SPECIFIED ONLY BY REFERENCED STANDARDS, THE CONTRACTOR SHALL INSTALL ANY PRODUCT MANUFACTURER MEETING STANDARDS.
- WHERE PRODUCTS ARE INDICATED ON THE NATIONAL ACCOUNT VENDOR LIST OR PREFERRED VENDOR LIST AND ONLY ONE MANUF. IS SHOWN, THE CONTRACTOR CAN USE ONLY THE MANUFACTURER LISTED. ALTERNATES TO THOSE LISTED ARE NOT ACCEPTABLE.

RaceTrac®

EFC

LAKE OCONEE
GREENSBORO, GA
RACETRAC #1635

PROJECT TEAM

CLIENT:
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CIVIL:
CARTER HARKLEROAD GROUP
1608 TREE LANE, SUITE A100
SNELLVILLE, GA 30078
PHONE: (770) 982-1996

SITE MAP

SYMBOL LEGEND

BREAK MARK
DATUM MARK — T.O. MASONRY 12'-0"
WALL TAG — ?
WINDOW TAG — ?
DOOR TAG — ?
EQUIPMENT TAG — ?
KEYNOTE — #
SECTION MARKER — 1 / A110
ENLARGED PLAN OR DETAIL — ? / ?
ELEVATION TAG — A1 / E2 A101 A2 / B4
REVISION CLOUD — #
COLUMN DESIGNATION — #
FACE OF STUD DESIGNATION — #

PROJECT INFORMATION

APPLICABLE CODE: 2018 INTERNATIONAL BUILDING CODE W/ GEORGIA AMENDMENTS
2018 INTERNATIONAL MECHANICAL CODE W/ GEORGIA AMENDMENTS
2018 INTERNATIONAL PLUMBING CODE W/ GEORGIA AMENDMENTS
2020 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL FIRE PREVENTION CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE W/ GEORGIA SUPPLEMENTS AND AMENDMENTS
2012 GEORGIA ACCESSIBILITY CODE W/ 2015 GEORGIA AMENDMENTS

CONSTRUCTION TYPE: V - B (UNSPRINKLERED)

OCCUPANCY: M

	ALLOWED	PROVIDED
BUILDING AREA:	9,000 SF (MODIFICATIONS PER TABLE 503 NOT APPLIED)	5,951 SF (BUILDING ENVELOPE) 712 SF (PATIO) 6,663 SF (TOTAL)

NUMBER OF STORIES: 1

WIND CRITERIA:
ULTIMATE WIND SPEED, Vult (3 SEC. GUST) = 110 MPH
NOMINAL WIND SPEED, Vasd (3 SEC. GUST) = 85 MPH

OCCUPANT LOAD:
MERCANTILE

GRADE FLOOR AREAS	1 PER 60 GSF
STOCK/SHIPPING	1 PER 300 GSF
OFFICE AREAS	1 PER 150 GSF

BUILDING AREAS/OCCUPANCY LOADS :
TOTAL GROSS AREA: 5,951 SF

CUSTOMER/RETAIL AREA:	3,571 GSF / 60 SF =	60 PERSONS
BACK OF HOUSE/		
EMPLOYEE WORK AREA:	1,695 GSF / 300 SF =	6 PERSONS
CASH WRAP	252 GSF / 150 SF =	2 PERSONS
FOOD AREA	433 GSF / 150 SF =	3 PERSONS
PATIO EXTERIOR SEATING	[16 FIXED SEATS]	16 PERSONS
TOTAL		87 PERSONS

PLUMBING

REQUIRED

WC MALE	WC FEMALE	LAV MALE	LAV FEMALE
1	1	1	1

PROVIDED

(2) WC + (3) URINALS	3	4	3

NOTE: A BEVERAGE FOUNTAIN WITH DRINKING WATER OFFERING IS USED TO SATISFY THE DRINKING FOUNTAIN REQUIREMENT.

INDEX OF DRAWINGS

LEGEND: ■ SHEET ISSUED

SHEET NUMBER	TITLE	PERMIT SET
A000	COVER SHEET	■
A001	ACCESSIBILITY DETAILS	■
A002	ACCESSIBILITY PLAN	■
A003	LIFE SAFETY PLAN	■
A005	GENERAL REQUIREMENTS	■
A010	DUMPSTER ENCLOSURE PLAN	■
A011	DUMPSTER ENCLOSURE DETAILS	■
A100	EXTERIOR SIDEWALK PLAN AND DETAILS	■
A110	FLOOR REFERENCE PLAN	■
A111	PARTITION TYPES	■
A120	FLOOR DIMENSION PLAN	■
A123	RESTROOM ENLARGED PLAN	■
A130	FLOOR FINISH PLAN	■
A140	FLOOR FIXTURE AND EQUIPMENT PLAN	■
A141	EQUIPMENT SCHEDULE	■
A150	REFLECTED CEILING PLAN AND DETAILS	■
A151	TOWER REFLECTED CEILING PLAN AND DETAILS	■
A152	INTERIOR CEILING DETAILS	■
A160	ENLARGED CASH WRAP AND DETAILS	■
A200	ROOF PLAN	■
A201	ROOF DETAILS	■
A300	EXTERIOR ELEVATIONS	■
A410	WALL SECTIONS	■
A420	WALL SECTIONS	■
A421	WALL SECTIONS	■
A422	WALL SECTIONS	■
A423	WALL SECTIONS	■
A424	WALL SECTIONS	■
A430	DETAILS	■
A431	DETAILS	■
A500	ROOM FINISH AND MATERIAL SCHEDULES	■
A501	INTERIOR ELEVATIONS	■
A502	INTERIOR ELEVATIONS	■
A503	EQUIPMENT CLEARANCES & FRP LAYOUTS	■
A510	RESTROOM ELEVATIONS	■
A511	RESTROOM ELEVATIONS	■
A600	WINDOW ELEVATIONS AND DETAILS	■
A601	WINDOW DETAILS	■
A700	DOOR HARDWARE AND SCHEDULE	■
A701	DOOR DETAILS	■
C100	FUEL CANOPY PLANS AND ELEVATIONS	■
C101	FUEL CANOPY COLUMN ENCLOSURE	■
C200	EDO FUEL CANOPY PLANS AND ELEVATIONS	■
S000	GENERAL STRUCTURAL NOTES	■
S001	GENERAL STRUCTURAL NOTES	■
S002	SPECIAL INSPECTIONS AND NOTES	■
S120	FOUNDATION PLAN	■
S200	ROOF FRAMING PLAN	■
S201	HIGH ROOF & SOFFIT FRAMING PLAN & DETAILS	■
S430	TYPICAL DETAILS	■
S431	FOUNDATION SECTIONS AND DETAILS	■
S432	TYPICAL STEEL DETAILS	■
S433	FRAMING SECTIONS AND DETAILS	■
S434	FRAMING SECTIONS AND DETAILS	■
S435	FRAMING SECTIONS AND DETAILS	■
M001	MECHANICAL NOTES AND LEGENDS	■

LEGEND: ■ SHEET ISSUED

SHEET NUMBER	TITLE	PERMIT SET
M002	MECHANICAL EQUIPMENT SCHEDULES	■
M120	MECHANICAL PLAN	■
M200	MECHANICAL ROOF PLAN	■
M300	HOOD DRAWINGS	■
M301	HOOD DRAWINGS	■
M302	HOOD DRAWINGS	■
M303	HOOD DRAWINGS	■
M430	MECHANICAL DETAILS	■
M431	MECHANICAL DETAILS	■
M432	MECHANICAL RTU WIRING DIAGRAM	■
P001	PLUMBING NOTES AND LEGENDS	■
P002	PLUMBING EQUIPMENT SCHEDULE	■
P100	PLUMBING ROUGH-IN PLAN	■
P110	SANITARY PLAN	■
P120	DOMESTIC WATER PLAN	■
P410	PLUMBING ISOMETRICS	■
P430	PLUMBING DETAILS	■
P431	PLUMBING DETAILS	■
SP-1	SITE PHOTOMETRY PLAN	■
E001	ELECTRICAL NOTES, LEGENDS AND LIGHT FIXTURE SCHEDULE	■
E002	ELECTRICAL EQUIPMENT SCHEDULE	■
E010	ELECTRICAL SITE PLAN	■
E100	ELECTRICAL ROUGH-IN PLAN	■
E110	POWER PLAN	■
E111	ENLARGED POWER PLANS	■
E120	LOW VOLTAGE PLAN	■
E150	LIGHTING PLAN	■
E200	ROOF POWER PLANS	■
E410	ELECTRICAL RISER DIAGRAM	■
E430	ELECTRICAL PANEL SCHEDULES	■
E431	ELECTRICAL PANEL SCHEDULES	■
E432	PANEL SCHEDULES	■
E500	CONTROL DIAGRAMS - (AUTO SIDE)	■
E501	CONTROL DIAGRAMS - EDO (TRUCK SIDE)	■
E502	CONTROL DIAGRAMS	■
E503	CONTROL DIAGRAMS	■
E504	CONTROL DIAGRAMS	■
E506	CONTROL DIAGRAMS	■
E600	ELECTRICAL DETAILS	■
E601	ELECTRICAL DETAILS	■

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac®
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 040705
REGISTERED PROFESSIONAL ENGINEER
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE
COVER SHEET

SHEET NUMBER
A000

(1) ACCESSIBLE ROUTE:

A. AN ACCESSIBLE ROUTE SHALL BE PROVIDED FROM PUBLIC STREETS, SIDEWALKS AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE ENTRANCE.

(2) WALKS AND SIDEWALKS:

A. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/4 INCH (PER 303 OF ADA 2010) AND SHALL BE A MINIMUM OF 3 FEET IN WIDTH.
B. WALKING SURFACE SLOPE SHALL NOT EXCEED 1:20. CROSS SLOPES SHALL NOT EXCEED 1:48 (PER 403.3 OF ADA 2010).
C. WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL NOT ALLOW PASSAGE OF A 1/2 INCH SPHERE.
D. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL IT SHALL COMPLY WITH THE PROVISIONS FOR PEDESTRIAN RAMPS.
E. VERTICAL CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/4 INCH. WHEN UP TO 1/2 INCH CHANGES IN LEVEL OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. WHEN CHANGES IN LEVEL GREATER THAN 1/2 INCH ARE NECESSARY THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS (PER 405 AND 406 OF ADA 2010).
F. WALKS SHALL BE PROVIDED WITH A LEVEL AREA CONSISTENT WITH MANEUVERING CLEARANCES AT MANUAL SWING DOORS AND GATES (PER 404.2.4.1 OF ADA 2010).
G. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS OF LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 200 FEET (PER 403.5.3 OF ADA 2010).

FIG. 303.2

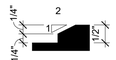


FIG. 303.3

(3) CURB RAMPS:

A. CURB RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1:12 WITH A MAXIMUM CROSS SLOPE OF 1:48. THE CLEAR WIDTH SHALL BE A MINIMUM OF 36 INCHES WIDE. THE FLARED SIDE SHALL HAVE A MAXIMUM SLOPE OF 1:10.
B. THE MINIMUM LANDING AT THE TOP OF A CURB RAMPS SHALL BE 36 INCHES WIDE (PER FIGURE 406.4 OF ADA 2010).

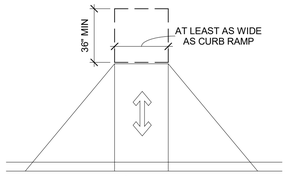
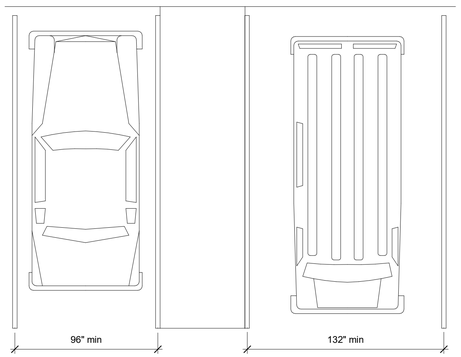


FIG 406.7

(4) ACCESSIBLE PARKING:

A. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE FROM PARKING TO AN ACCESSIBLE ENTRANCE.
B. ACCESSIBLE PARKING SPACES SHALL HAVE A MINIMUM WIDTH OF 96 INCHES FOR CAR AND 132 FOR VAN (PER 502.2 ADA 2010).
C. 60 INCH WIDE ACCESS AISLES SHALL BE PROVIDED. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE. ACCESS AISLES SLOPES SHALL NOT EXCEED 1:48 IN ANY DIRECTION.
D. WHERE PARKING RESULTS IN VEHICLES OVER HANGING INTO WALKWAYS, SIDEWALKS OR OTHER ACCESSIBLE ROUTES, THE OVERHANG SHALL NOT ENCROACH ON THE REQUIRED CLEAR WIDTH OF THE TRAVEL PATH.
E. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE MEASURED TO THE CENTERLINE OF THE PARKING STRIPE DESIGNATING THE SPACE. ACCESS PARKING SPACES SHALL BE OUTLINED IN BLUE PAINT; THE OUTLINED BLUE PAINT SHALL BE MARKED INSIDE THE SPACES' STRIPING FOR ITS SIZE.
F. ACCESSIBLE PARKING SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL FOR ACCESSIBILITY (ISA) COMPLYING WITH 703.7.2.1 OF ADA 2010). SIGNS SHALL BE MOUNTED 60 INCHES MINIMUM ABOVE THE GROUND OR FLOOR SURFACE MEASURED TO THE BOTTOM OF THE SIGN (PER 502.6 OF ADA 2010).
G. A SIGN INDICATING THE PENALTY FOR ILLEGAL USE SHALL BE POSTED BELOW THE ACCESSIBILITY PARKING SIGN.



(a) car (b) van
FIG 502.2

(5) RAMPS:

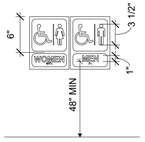
A. ANY PATH OF TRAVEL SHALL BE CONSIDERED A RAMP IF ITS SLOPE IS GREATER THAN 1:20 (1:12 MAXIMUM FOR RAMPS).
B. RAMPS WITH A VERTICAL RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS ON BOTH SIDES.
C. THE TOP LANDINGS ON A RAMP MUST BE AT LEAST 60 INCHES IN DEPTH.
D. IF A DOOR SWINGS ONTO A TOP LANDING, THE MINIMUM LANDING DIMENSIONS SHALL MEET THE MANEUVERING CLEARANCES AT MANUAL SWING DOORS AND GATES (PER FIGURE 404.2.4.1 OF ADA 2010).
E. THE BOTTOM LANDING SHALL BE NOT LESS THAN 72 INCHES DEEP.
F. INTERMEDIATE LANDINGS SHALL BE PROVIDED AT TURNS AND WHENEVER THE CHANGE IN LEVEL EXCEEDS 30 INCHES.
G. INTERMEDIATE LANDINGS ON STRAIGHT RAMPS SHALL HAVE A DEPTH OF NOT LESS THAN 60 INCHES. INTERMEDIATE LANDINGS ON RAMPS THAT TURN GREATER THAN 30 DEGREES SHALL NOT BE LESS THAN 72 INCHES IN DEPTH.
H. RAMPS SHALL NOT BE LESS THAN 36 INCHES WIDE.
I. HANDRAILS SHALL BE PLACED ON EACH SIDE OF EACH RAMP AND SHALL BE CONTINUOUS THE FULL LENGTH OF THE RAMP. HANDRAILS SHALL BE 34 TO 38 INCHES ABOVE THE RAMP SURFACE AND EXTEND A MINIMUM OF 1 FOOT BEYOND THE TOP AND BOTTOM OF THE RAMP.
   1. HANDRAILS SHALL PROVIDE EDGE PROTECTION FOR RAMPS:
      a. RAMPS SHALL HAVE EDGE PROTECTION (PER 405.9 OF ADA 2010) ON EACH SIDE OF RAMP RUN AND EACH SIDE OF RAMP.
         i. 405.9.1 THE FLOOR OR GROUND SURFACE SHALL EXTEND 12 INCHES BEYOND THE INSIDE FACE OF THE HANDRAIL.
         ii. 405.9.2 A CURB OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 INCH DIAMETER SPHERE WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISHED FLOOR OR GROUND.
J. SURFACES OF RAMPS SHALL BE SLIP-RESISTANT.

(6) SIGNS:

A. SIGNS SHALL COMPLY WITH 703 OF ADA 2010.
B. WHEN SIGNS IDENTIFY PERMANENT ROOMS AND SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH SECTIONS BELOW.
C. WHEN SIGNS IDENTIFY, DIRECT OR GIVE INFORMATION ABOUT ACCESSIBLE ELEMENTS AND FEATURES, THEY SHALL COMPLY WITH SECTIONS 1 THRU 6.
   1. FINISH AND CONTRAST: CHARACTERS, SYMBOLS, PICTOGRAMS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS, SYMBOLS AND PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD, EITHER LIGHT ON DARK BACKGROUND OR DARK ON LIGHT BACKGROUND.
   2. PROPORTIONS: CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".
   3. RAISED CHARACTERS AND PICTORIAL SYMBOL SIGNS:
      a. CHARACTER TYP: CHARACTER ON SIGNS SHALL BE RAISED 1/32 INCH (0.794mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEE ITEM 4 BELOW.)
      b. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH (15.9mm) AND A MAXIMUM OF 2 INCHES (51mm) HIGH.
      c. PICTORIAL SYMBOL SIGNS (PICTOGRAMS): THE OUTSIDE DIMENSION OF THE PICTORIAL FIELD SHALL BE A MINIMUM OF 6 INCHES (152mm) IN HEIGHT.
      d. TEXT DESCRIPTORS: PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS SHALL COMPLY WITH 703.2, 703.3 AND 703.4 OF ADA 2010.
      e. CHARACTER PLACEMENT: CHARACTERS AND BRAILLE SHALL BE IN HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A MINIMUM OF 3/8 INCH DIRECTLY BELOW THE TACTILE CHARACTERS; FLUSH LEFT OR CENTERED. WHEN TACTILE TEXT IS MULTI-LINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT.
      f. SYMBOLS OF ACCESSIBILITY: SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH 703.7 ADA 2010
   4. BRAILLE: CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE .09-.1 INCH IN EACH CELL WITH .241-.3 INCH SPACE BETWEEN CELLS, MEASURED CENTER TO CENTER FROM THE FIRST COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED .025-.037 INCHES ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. (PER 703.3.1 OF ADA 2010).
   5. MOUNTING LOCATION AND HEIGHT: WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. TACTILE CHARACTERS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISHED FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER (PER 703.4.1 ADA 2010).
   6. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE 18 INCH MIN. X 18 INCH MIN. CENTERED ON THE TACTILE LETTERS IS PROVIDED BEYOND THE ARC OF THE DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREES OPEN POSITION (PER 703.4.2 ADA 2010).

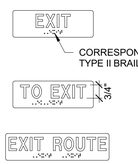
INTERNATIONAL SYMBOL OF ACCESSIBILITY; PROFILE IS WHITE ON BLUE BACKGROUND

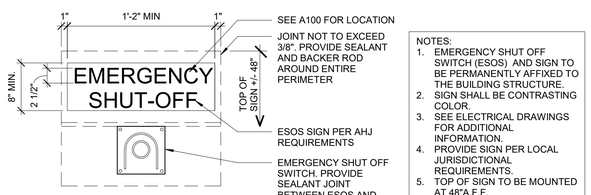
DIRECTIONAL ARROW WHERE NEEDED TO PROVIDE DIRECTION OF ACCESSIBLE PATH



RESTROOM SIGN

D. EACH GRADE LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT WITH THE WORD "EXIT."
E. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE: 1) "EXIT STAIRS DOWN" 2) "EXIT RAMP UP" 3) "EXIT STAIR UP" 4) "EXIT RAMP UP."
F. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE."
G EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE."
H. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS "TO EXIT."



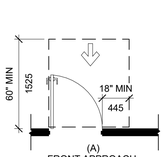


NOTES:
1. EMERGENCY SHUT OFF SWITCH (ESOS) AND SIGN TO BE PERMANENTLY AFFIXED TO THE BUILDING STRUCTURE.
2. SIGN SHALL BE CONTRASTING COLOR.
3. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. PROVIDE SIGN PER LOCAL JURISDICTIONAL REQUIREMENTS.
5. TOP OF SIGN TO BE MOUNTED AT 48"A.F.F.

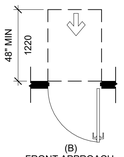
A EMERGENCY SHUT OFF SWITCH SIGN
1" = 1'-0"

(7) DOORS:

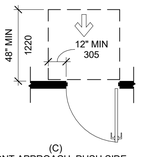
A. LATCHES AND LOCKSETS: PROVIDE LEVER TYPE, PUSH-PULL OR PANIC TYPE HARDWARE 34 INCHES TO 48 INCHES ABOVE FLOOR.
B. MAXIMUM FORCE TO OPERATE INTERIOR / NON-FIRE RATED DOORS SHALL BE 5 LBS PRESSURE. COORDINATE FIRE DOORS OPENING FORCE WITH LOCAL CODES.
C. THRESHOLDS: THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 (PER FIGURE 303.3 OF ADA 2010).
D. LEVEL FLOOR LANDING: THERE SHALL BE A LEVEL SURFACE NOT STEEPER THAN 1:48 AND CLEAR AREA ON EACH SIDE OF AN EXIT DOOR. THE LEVEL AREA SHALL BE AS SHOWN IN FIGURE 404.2.4.1 OF ADA 2010. THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENING (VESTIBULE) SHALL PROVIDE 48 INCHES OF CLEAR SPACE FROM ANY OPENED DOOR INTO SUCH SPACE.
E. DOOR WIDTH AND HEIGHT: 3 FEET WIDE AND 6 FEET 8 INCHES HIGH. CLEAR WIDTH: 32 INCHES MINIMUM WITH DOOR OPEN 90 DEGREES MEASURED FROM THE FACE OF THE DOOR TO THE OPPOSITE STOP. THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.



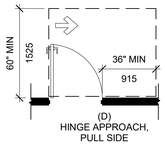
(A) FRONT APPROACH, PULL SIDE



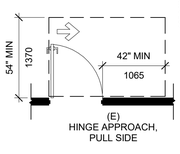
(B) FRONT APPROACH, PUSH SIDE



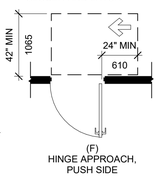
(C) FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



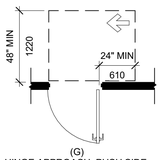
(D) HINGE APPROACH, PULL SIDE



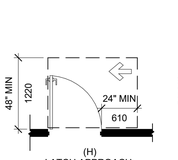
(E) HINGE APPROACH, PULL SIDE



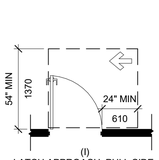
(F) HINGE APPROACH, PUSH SIDE



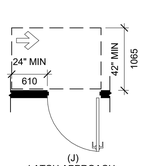
(G) HINGE APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



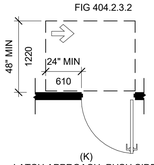
(H) LATCH APPROACH, PULL SIDE



(I) LATCH APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER

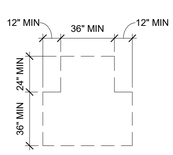


(J) LATCH APPROACH, PUSH SIDE



(K) LATCH APPROACH, PUSH SIDE, DOOR PROVIDED WITH CLOSER

FIG 404.2.3.2

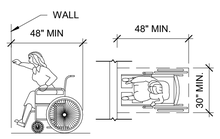


T-SHAPED TURNING SPACE

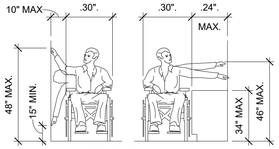
FIG 404.2.3.2

(8) SALES/SELF SERVICE AREAS:

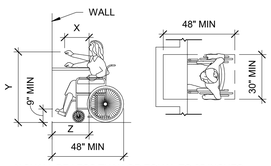
A. FOOD SERVICE AREAS SHOULD BE INSTALLED TO ALLOW AT LEAST 50% OF THE SELF SERVICE SHELVES TO BE WITHIN THE REACH RANGES OF 15 INCH LOW AND 48 INCH HIGH PER 2010 STANDARDS, SECTIONS 308 & 904.5.1.
B. ALL ACCESSIBLE ROUTES SHALL HAVE A MINIMUM CLEAR WIDTH OF 36 INCHES WITH A 60 INCH CLEAR DEPTH OR CLEAR WIDTH OF 42 INCHES WITH A 48 INCH CLEAR DEPTH AT U-TURNS PER ACCESSIBILITY STANDARDS.



HIGH FORWARD REACH LIMIT



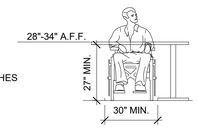
SIDE REACH LIMIT



X SHALL BE LESS THAN OR EQUAL TO 25 INCHES.
Z SHALL BE GREATER THAN OR EQUAL TO X.
WHEN X IS LESS THAN 20 INCHES, THEN Y SHALL BE 48" INCHES MAXIMUM.
WHEN X IS 20 TO 25 INCHES, THEN Y SHALL BE 44 INCHES MAXIMUM.
MAXIMUM FORWARD REACH OVER AN OBSTRUCTION.

TOTAL SEATS	ACCESSIBLE SEATS
1-20	1
21-40	2
41-60	3
61-80	4

NUMBER OF ACCESSIBLE SEATS



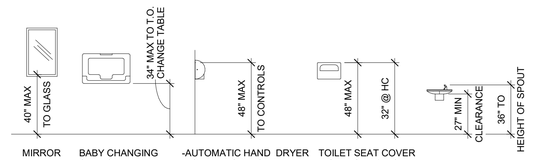
ELEVATION

(9) PROTRUDING OBJECTS:

A. PROJECTIONS FROM WALLS WITH LEADING EDGE BETWEEN 27 INCHES AND 80 INCHES ABOVE FLOOR MAY PROJECT 4 INCHES MAXIMUM. LEADING EDGE AT OR BELOW 27 INCHES MAY PROJECT ANY AMOUNT. FREE STANDING OBJECTS MOUNTED ON POSTS OR PYLONS SHALL OVERHANG CIRCULATION PATHS 2 INCHES MAX. WHEN LOCATED 27 INCHES MIN AND 80 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND SURFACE (PER 307.3 OF ADA 2010). PROJECTIONS MAY NOT REDUCE MANEUVERING SPACE, OR CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
B. HEAD ROOM: 80 INCHES MINIMUM.

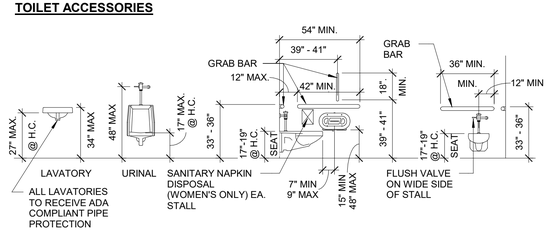
(10) SANITARY FACILITIES:

A. ACCESSIBLE COMPARTMENT DOORS SHALL BE SELF CLOSING. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A DOOR PULL IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL NOT REQUIRE THE USER TO GRASP OR TWIST.
B. WATER CLOSET: THE HANDLE OR BUTTON IS TO BE LOCATED ON THE WIDE SIDE OF THE WATER CLOSET.
C. URINALS: PROVIDE WALL HUNG URINALS OR STALL TYPE WITH RIM ELEVATION 17 INCHES MAXIMUM A.F.F. AND RIM PROJECTING 13-1/2" MINIMUM.
D. LAVATORY: PROVIDE CLEARANCE OF AT LEAST 27 INCHES FROM THE FLOOR TO THE BOTTOM OF THE APRON AND SINK RIM OR COUNTER SURFACE 34" A.F.F. MAXIMUM, WITH KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30 INCHES WIDE, TO 8 INCHES MINIMUM DEPTH AT THE TOP. PROVIDE CLEARANCE AT LEAST 30 INCHES WIDE, TO 9 INCHES ABOVE THE FLOOR AND 17 INCHES DEEP FROM THE FRONT OF THE LAVATORY. PROVIDE A CLEAR FLOOR SPACE 30"x48" IN FRONT OF LAVATORY. THE CLEAR SPACE MAY EXTEND INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. INSULATE HOT WATER AND DRAIN PIPES UNDER LAVATORIES. FAUCET CONTROLS ARE REQUIRED TO BE OPERABLE WITH ONE HAND AND CANNOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE NECESSARY TO OPERATE CONTROLS IS NOT TO EXCEED 5 LBF.
E. ACCESSORIES: WHERE TOWEL, SANITARY NAPKIN AND WASTE RECEPTACLES AND SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE IS TO BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40 INCHES FROM THE FLOOR.
   1. MOUNT MIRRORS WITH THE REFLECTIVE EDGE NOT MORE THAN 40 INCHES ABOVE THE FLOOR.
   2. LOCATE TOILET TISSUE DISPENSERS ON THE WALL WITHIN 7-9" FROM THE FRONT EDGE OF THE TOILET SEAT BETWEEN 15" AND 48" FROM THE FLOOR TO THE PAPER OUTLET.
G. THE STRUCTURAL STRENGTH OF GRAB BARS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE BUILDING CODE.

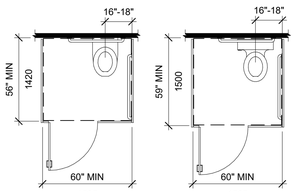


MIRROR | BABY CHANGING STATION | -AUTOMATIC HAND DRYER -TOWEL DISPENSER | TOILET SEAT COVER DISPENSER (EACH STALL)

TOILET ACCESSORIES



PLUMBING FIXTURES



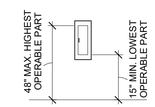
2010 ADA
FIGURE 604.8.1.1
WATER CLOSET LOCATION/
FIGURE 604.3.1 SIZE OF CLEARANCE
AT WATER CLOSETS

(11) ELECTRICAL:

A. ELECTRICAL RECEPTACLES (15, 20 AND 30 AMPS) SHALL BE AT LEAST 15 INCHES ABOVE THE FLOOR.
B. THE OPERATIONAL PORTION OF SWITCHES AND CONTROLS FOR LIGHTS, APPLIANCES, COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE NOT LESS THAN 36 INCHES NOR MORE THAN 48 INCHES ABOVE THE FLOOR.
C. FIRE ALARM INITIATING DEVICES SHALL BE 48 INCHES ABOVE THE FLOOR, GROUND, OR SIDEWALK. FLUSH VALVE HEIGHT SHALL BE 48 INCHES MAX.

(12) FIRE EXTINGUISHER:

A. FIRE EXTINGUISHERS SHALL BE INSTALLED SO THE HIGHEST OPERABLE PART IS AT MAXIMUM HEIGHT OF 48" AND LOWEST OPERABLE PART IS AT MINIMUM OF 15" ABOVE THE FINISHED FLOOR. SEE ELEVATIONS FOR DIMENSIONS (PER SECTION 308.2.1 2010 ADA)



FIRE EXTINGUISHER

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 DATE 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

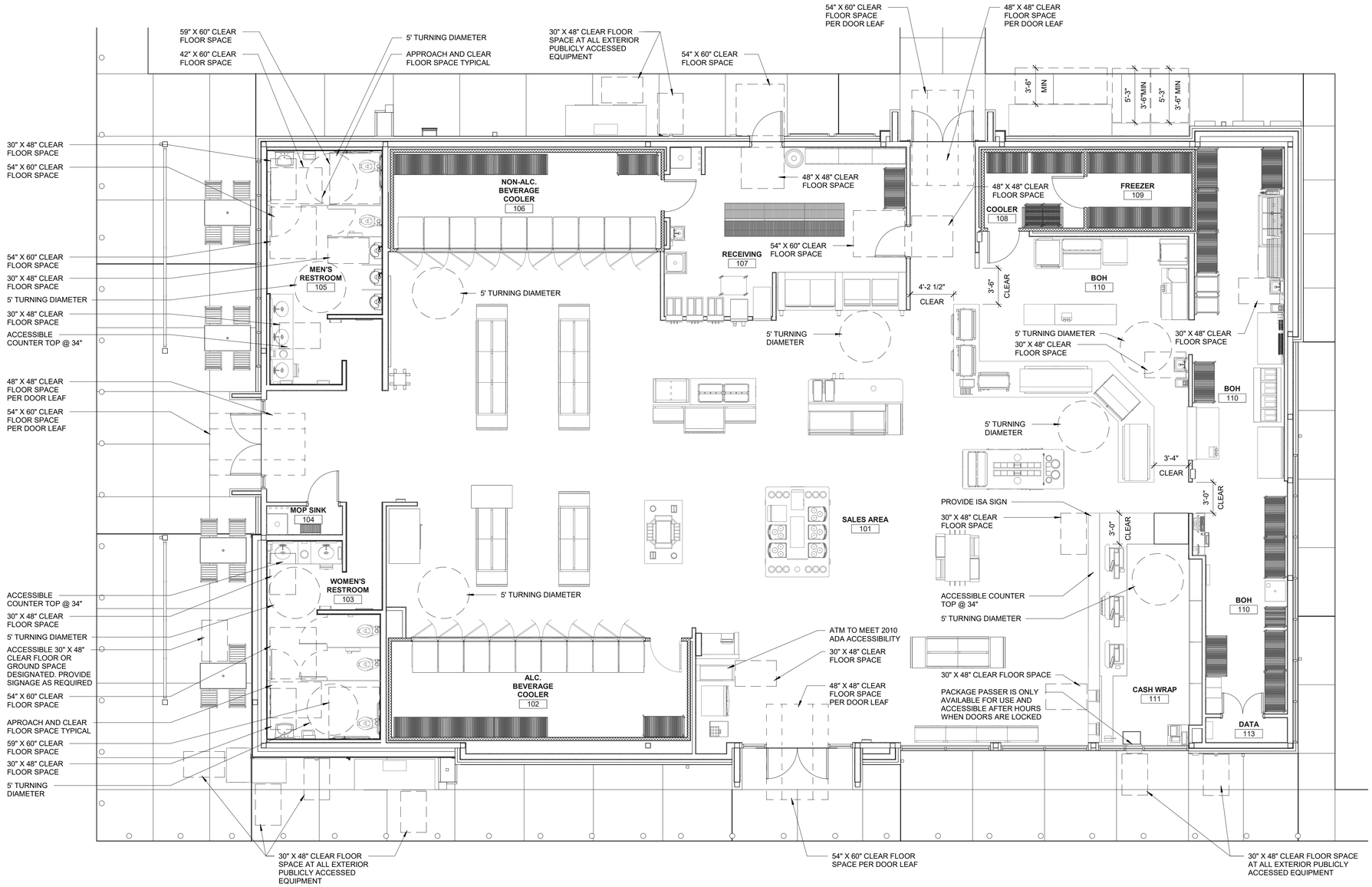
PROJECT NUMBER
2023157.20

SHEET TITLE

ACCESSIBILITY DETAILS

SHEET NUMBER

A001



1 ACCESSIBILITY PLAN
3/16" = 1'-0"

GENERAL NOTES

1. ALL ENTRANCE/EXIT DOORS TO BUILDING SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES AND BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF ANY SPECIAL KNOWLEDGE OR EFFORT.
2. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH PULL ACTIVATING BAR, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP OR TWIST THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL BE OPERABLE IN THE EGRESS DIRECTION.
3. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 48" ABOVE THE FLOOR.
4. EVERY DOORWAY WHICH IS LOCATED WITHIN AN ACCESSIBLE PATH OF TRAVEL SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3FT IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. WHEN INSTALLED, EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.
5. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
6. THE BOTTOM 10" OF ALL DOORS (EXCEPT AUTOMATIC SLIDING DOORS) SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAMED DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE FLUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
7. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS, 5 POUNDS FOR INTERIOR DOORS AND 15 POUNDS FOR FIRE DOORS, WHEN SUCH EFFORT IS APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE TO THE APPROPRIATE ADMINISTRATIVE AUTHORITY NOT TO EXCEED 15 POUNDS.
8. THE SEPARATION DISTANCE TO EXIT OR EXIT ACCESS DOORWAY SHALL BE MEASURED PER JURISDICATIONAL REQUIREMENT.

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PROTOTYPE SERIES 2023
2023 LH MO

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SPB NO. 0205 DATE 06/02/23

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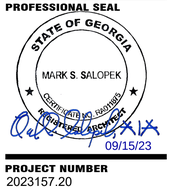
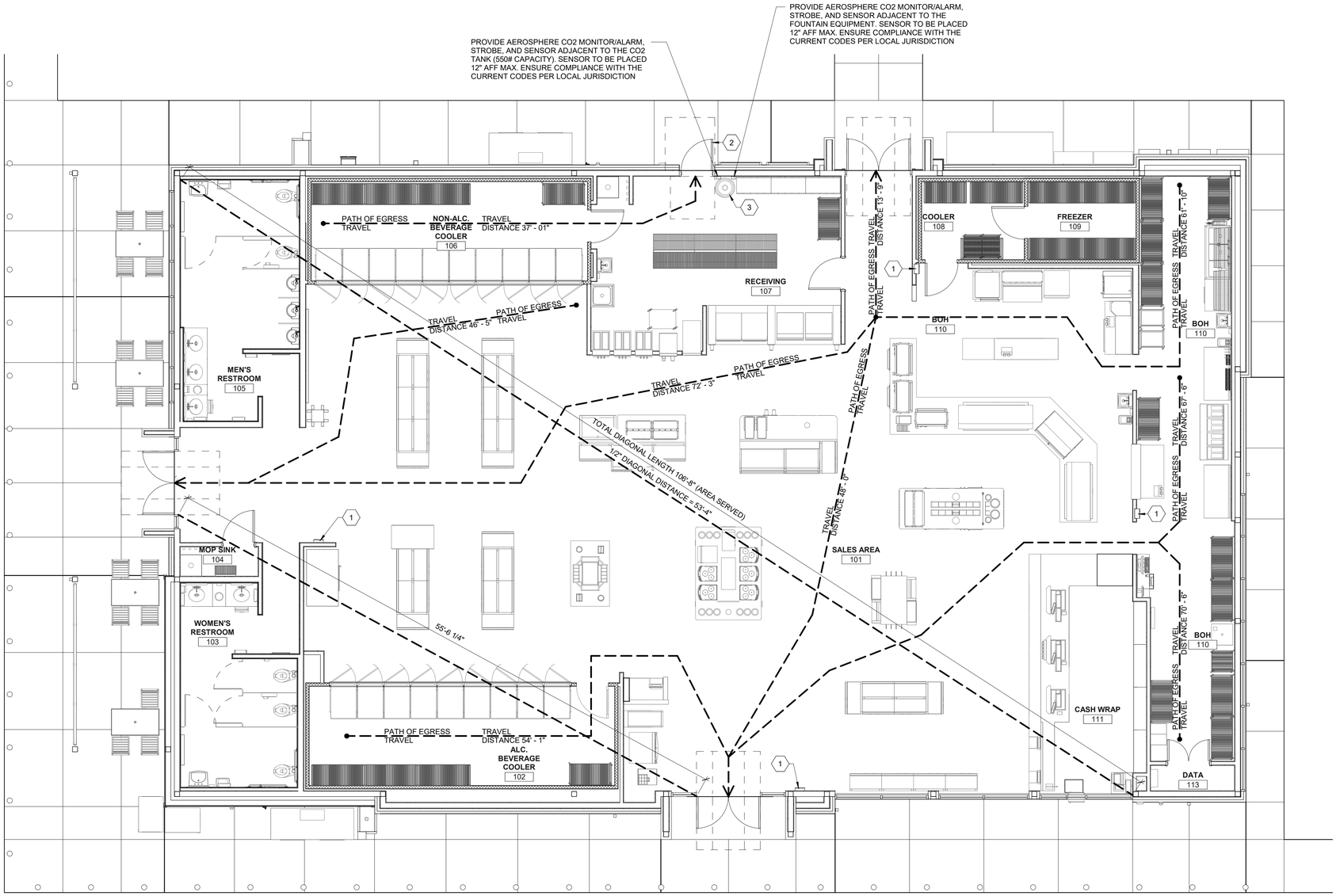
PROFESSIONAL SEAL



PROJECT NUMBER
2023157.20

SHEET TITLE
ACCESSIBILITY PLAN

SHEET NUMBER
A002



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

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5. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
6. THE BOTTOM 10" OF ALL DOORS (EXCEPT AUTOMATIC SLIDING DOORS) SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAMED DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE FLUSH SIDE OF THE DOOR. WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
7. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS, 5 POUNDS FOR INTERIOR DOORS AND 15 POUNDS FOR FIRE DOORS, WHEN SUCH EFFORT IS APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE TO THE APPROPRIATE ADMINISTRATIVE AUTHORITY NOT TO EXCEED 15 POUNDS.
8. THE SEPARATION DISTANCE TO EXIT OR EXIT ACCESS DOORWAY SHALL BE MEASURED PER JURISDICTIONAL REQUIREMENT.

SHEET KEYNOTES

1	FIRE EXTINGUISHER CABINET (F.E.C.) SEE EQUIPMENT PLAN FOR LOCATION.
2	704 HAZMAT SIGNAGE ON EXTERIOR SIDE OF DOOR.
3	CO2 TANK WITH STRAPPING AND WARNING SIGNAGE.

RaceTrac.
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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 040555
REGISTERED ARCHITECT
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

LIFE SAFETY PLAN

SHEET NUMBER

A003

REQUIREMENTS FOR GENERAL CONSTRUCTION

1. ALL CONTRACTORS, PRIOR TO START OF WORK, SHALL SUBMIT TO RACETRAC INC, ATTN: CONSTRUCTION DEPARTMENT, THE FOLLOWING DOCUMENTATION:

   A. CERTIFICATION OF INSURANCE COVERAGE IN ACCORDANCE WITH PARAGRAPH 17 BELOW, AND
   B. FEDERAL TAXPAYER IDENTIFICATION NUMBER CERTIFICATION LETTER, A BLANK COPY OF WHICH IS ATTACHED, AND
   C. SIGNED AND DATED ACKNOWLEDGEMENT COPY OF PURCHASE ORDER OR CONSTRUCTION CONTRACT.
   D. AN ITEMIZED LIST OF NAMES, ADDRESSES AND PHONE NUMBERS OF ALL SUBCONTRACTORS AND PRINCIPAL MATERIAL SUPPLIERS TO BE USED BY THE CONTRACTOR DURING COMPLETION OF THE WORK.
   E. BAR CHART JOB SCHEDULE, ITEMIZED BY TRADE FOR COMPLETION OF THE CONTRACTED WORK WITHIN THE TIME FRAME DESIGNATED ON THIS SHEET UNDER "SITE SPECIFIC REQUIREMENTS". SHOULD THE SCHEDULE CHANGE A REVISED SCHEDULE SHALL BE SUBMITTED TO AND APPROVED BY RACETRAC INC.

   NO INVOICES WILL BE PROCESSED FOR PAYMENT WITHOUT PRIOR RECEIPT OF THESE DOCUMENTS. ANY QUESTIONS REGARDING THIS MATTER MAY BE DIRECTED TO THE OWNER'S REPRESENTATIVE ASSIGNED TO THE PROJECT.

2. ALL INVOICES MUST:

   A. BE ADDRESSED TO RACETRAC INC., 200 GALLERIA PARKWAY SE, SUITE 900, ATLANTA, GA. 30339. ATTN: CONSTRUCTION DEPARTMENT.
   B. BE SUBMITTED ON PROJECTMATES, ITEMIZED IN ACCORDANCE WITH RACETRAC TAX COSTING ALLOCATION SUMMARY (BID FORM).
   C. INCLUDE SUBCONTRACTOR TWO PARTY CHECK FORM.

3. A 10% RETAINAGE WILL BE WITHHELD FROM ALL PARTIAL PAY REQUESTS, INCLUDING CHANGE ORDERS, UNTIL FINAL COMPLETION OF ALL WORK UNLESS OTHERWISE STATED.

4. THE OWNER'S CONTRACTOR AFFIDAVIT AND RELEASE OF LIENS, DULY NOTARIZED, SHALL ACCOMPANY CONTRACTOR'S FINAL PAYMENT REQUEST.

5. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE OWNER'S PLANS, SPECIFICATIONS, AND THESE REQUIREMENTS, AS WELL AS APPLICABLE NATIONAL, STATE AND LOCAL CODES, REGULATIONS AND/OR ORDINANCES THAT MAY BE APPLICABLE TO THIS PROJECT. WHERE SUCH CODES, REGULATIONS AND/OR ORDINANCES EXCEED THE OWNER'S SPECIFICATIONS. CONSTRUCTION WILL PROGRESS IN ACCORDANCE WITH THE MORE STRICT REQUIREMENTS.

6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR THE FULL COMPENSATION OF ALL WORK, AND FINAL INSPECTIONS RELATIVE TO HIS PORTION OF THE WORK. THE PROJECT SHALL NOT BE CONSIDERED COMPLETE UNTIL PROOF HAS BEEN DELIVERED TO THE OWNER'S REPRESENTATIVE THAT ALL INSPECTIONS HAVE BEEN COMPLETED AND SIGNED OFF BY THE APPLICABLE MUNICIPAL AUTHORITIES.

7. IT IS EXPRESSLY NOTED THAT TIME IS OF ESSENCE IN THE PERFORMANCE OF THIS WORK, AND THAT THE PAYMENT OF THE CONSIDERATION IS CONDITIONAL UPON SATISFACTORY AND TIMELY COMPLETION OF THE WORK AS DESCRIBED. CONTRACTOR AGREES THAT WORK WILL BE PERFORMED IN TIME TO KEEP UP WITH THE PROGRESS OF THE REST OF THE ON-SITE CONSTRUCTION AS DETERMINED BY THE OWNER'S REPRESENTATIVE.

8. ALL WORKMANSHIP, MATERIALS, SCHEDULES, STAFFING AND RELATED FUNCTIONS AS PROVIDED/EXECUTED BY THE CONTRACTOR TOWARD COMPLETION OF THIS PROJECT SHALL BE PERFORMED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE ASSIGNED TO THIS PROJECT.

9. THE OWNER RESERVES THE RIGHT TO ISSUE SEPARATE CONTRACTS OF VARIOUS PARTS OF THE WORK. COORDINATION INVOLVING SEPARATE CONTRACTS SHALL BE THE RESPONSIBILITY OF THE OWNER'S REPRESENTATIVE.

10. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LATEST ISSUE OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS AND SHALL BE RESPONSIBLE FOR COMPLYING WITH THESE REGULATIONS DURING ALL PHASES OF CONSTRUCTION OF THIS PROJECT.

11. WORK NOT SPECIFICALLY ENUMERATED IN THE PURCHASE ORDER OR CONTRACT DOCUMENT MAY, AT OWNER'S DISCRETION, BE EXECUTED VIA OUTSIDE QUOTES FOR ANY ITEMS CONSIDERED OUTSIDE THE ORIGINAL SCOPE OF WORK. FIELD CHANGE ORDERS SHALL BE IMPLEMENTED AS FOLLOWS:

    A. WHEN THE CONTRACTOR BECOMES AWARE OF A WORK REQUIREMENT OUTSIDE THE ORIGINAL SCOPE OF WORK OR IS INSTRUCTED BY OWNER'S REPRESENTATIVE TO PERFORM WORK NOT SPECIFICALLY REQUIRED BY THE PURCHASE ORDER OR CONTRACT, A CHANGE ORDER SHALL BE ISSUED TO THE CONTRACTOR. PRICING FOR ALL ADDITIONAL WORK SHOULD BE ESTABLISHED AND SUBMITTED TO THE OWNER. ALL CHANGE ORDERS MUST BE APPROVED PRIOR TO WORK TAKING PLACE. PRICING FOR EXTRA WORK SHALL INCLUDE A DETAILED BREAKDOWN OF QUOTED COSTS INCLUDING ITEMIZED LABOR HOURS AND RATES, EQUIPMENT, MATERIALS OR OTHER COMPONENTS REQUIRED TO COMPLETE THE ADDITIONAL WORK, INCLUDING APPLICABLE OVERHEAD AND PROFIT. CHANGE ORDERS MUST BE SUBMITTED FOR ALL ADDITIONAL WORK AND APPROVED BEFORE WORK COMMENCES. CHANGE ORDERS SHALL BE APPROVED BY THE RACETRAC FIELD ENGINEER AND RACETRAC CORPORATE HEADQUARTERS. NO CHANGE ORDER IS FINAL UNTIL CORPORATE HEADQUARTERS APPROVES IT.
    B. RACETRAC WILL NOT PAY FOR ADDITIONAL GENERAL CONDITIONS DUE TO PROJECT DELAYS.
    C. EMERGENCY CHANGE ORDERS ARE DEFINED AS THOSE THAT MAY CONSIDERABLY DELAY WORK OR SHUT DOWN OPERATIONS. EMERGENCY CHANGE ORDERS CAN NORMALLY BE APPROVED IN A MATTER OF HOURS BY FIRST CONTACTING THE RESPECTIVE RACETRAC FIELD ENGINEER AND/OR RACETRAC HEADQUARTERS.

12. THE CONSTRUCTION AREA SHALL BE MAINTAINED IN A SCRUPULOUSLY NEAT AND CLEAN MANNER. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FOR CLEAN-UP AND DISPOSAL OF HIS DEBRIS ON A CONTINUOUS DAILY BASIS. CONTRACTOR'S FAILURE TO COMPLY WITH THE ABOVE WILL RESULT IN THE OWNER'S REPRESENTATIVE TAKING NECESSARY ACTIONS TO CORRECT AND EXPENSES ASSOCIATED THEREWITH WILL BE DEDUCTED FROM THE CONTRACT AMOUNT.

13. AT OPEN AND OPERATING FACILITIES, FLASHING LIGHTS, BARRICADES AND FLAGGING SHALL BE ERECTED AND MAINTAINED AROUND ALL CONSTRUCTION ACTIVITY AND AS REQUIRED TO PROHIBIT CUSTOMERS AND VEHICULAR TRAFFIC FROM ENTERING THE CONSTRUCTION AREAS. OPEN TRENCHES SHALL BE COVERED WITH STEEL PLATED WHEN NOT INVOLVED WITH THE SPECIFIC WORK AT HAND ON ANY GIVEN WORK DAY, AND AT THE CONCLUSIONS OF EACH DAY'S WORK.

14. CONTRACTORS SHALL PROVIDE THE OWNER WITH AN AS-BUILT PLAN CLEARLY DEPICTING LOCATION OF ALL UNDERGROUND UTILITIES, CONDUIT AND PIPING INSTALLED AS PART OF THIS PROJECT.

15. THE CONTRACTOR SHALL EXERCISE CARE DURING THE PERFORMANCE OF THIS WORK TO PROTECT COMPLETED AND/OR CONCURRENT WORK PERFORMED BY OTHERS. ANY DAMAGES TO COMPLETED AND/OR CONCURRENT WORK PERFORMED BY OTHERS WILL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR.

16. THE CONTRACTOR SHALL WARRANT AND GUARANTEE:

    A. THAT THE CONTRACTOR SHALL PERFORM IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL AND SOUND ENGINEERING STANDARDS AND STRICTLY IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS AND OTHER ENGINEERING DATA FURNISHED BY OWNER;
    B. THAT ALL WORK PERFORMED IS IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, REGULATIONS AND ORDINANCES;
    C. THAT NONE BUT EXPERIENCED WORKMEN WILL BE EMPLOYED AND ANY WORKMAN WHO, IN THE OPINION OF THE OWNER OR HIS AGENTS, IS NOT CAPABLE, OR WHO IS CARELESS IN THE EXECUTION OF THE WORK, MUST BE REMOVED UPON THE REQUEST OF THE OWNER AND WITHIN TWENTY-FOUR HOURS AFTER DEMAND;
    D. THAT ALL MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND THE BEST OF THEIR RESPECTIVE KINDS OR AS SPECIFIED BY THE OWNER AND SHALL BE ERECTED IN A FIRST CLASS AND WORKMANLIKE MANNER;
    E. THAT THE CONTRACTOR SHALL, AT HIS OWN EXPENSE,UPON NOTICE FROM THE OWNER AND AT SUCH TIME AS MAY BE CONVENIENT TO THE OWNER PROMPTLY REPAIR OR REPLACE, AS NECESSARY, ANY AND ALL PORTIONS OF THE WORK WHICH PROVE, NO LATER THAN TWELVE (12) MONTHS FROM AND AFTER THE DATE OF CONTRACTOR'S COMPLETION OF THE WORK, TO BE DEFECTIVE IN MATERIALS OR WORKMANSHIP.

17. INSURANCE

    A. THE CONTRACTOR SHALL PURCHASE AND MAINTAIN SUCH INSURANCE AT THE SPECIFIED LIMITS AS WILL PROTECT HIM FROM THE CLAIMS SET FORTH BELOW WHICH MAY ARISE OUT OF RESULT FROM THE CONTRACTOR'S OPERATIONS BE BY HIMSELF OR BY ANY SUBCONTRACTOR OR BY ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM, OR BY ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE.

       1. WORKERS' COMPENSATION INSURANCE IN COMPLIANCE WITH THE WORKERS' COMPENSATION ACT OF THE STATE IN WHICH THE WORK SITE IS LOCATED. EMPLOYERS' LIABILITY WITH LIMITS OF 2,000,000.
       2. COMPREHENSIVE GENERAL LIABILITY INSURANCE, COVERING LIABILITY FOR BODILY INJURY, INCLUDING DEATH, AND PROPERTY DAMAGE WITH COMBINED SINGLE LIMITS OF AT LEAST $1,000,000 PER OCCURRENCE INCLUDING (I) PERSONAL INJURY AND (II) PRODUCT/LIABILITY/COMPLETED OPERATIONS
       3. AUTOMOBILE LIABILITY INSURANCE COVERING OWNED, NON-OWNED AND HIRED VEHICLES FOR BODILY INJURY INCLUDING DEATH WITH LIMITS OF AT LEAST $1,000,000 PER OCCURRENCE.

    B. COMPREHENSIVE GENERAL LIABILITY AND ANY EXCESS LIABILITY POLICIES SHALL NOT BE SUBJECT TO XCU (EXPLOSION, COLLAPSE AND UNDERMINING EXCLUSIONS.
    C. ALL INSURANCE POLICIES CARRIED BY CONTRACTOR WHETHER SPECIFIED HEREIN OR OTHERWISE SHALL CONTAIN ENDORSEMENTS WAIVING THE INSURER'S RIGHT OF SUBROGATION AGAINST OWNER.
    D. ALL POLICIES SHALL INCLUDE OWNER AS AN ADDITIONAL INSURED.
    E. CONTRACTOR SHALL FURNISH OWNER CERTIFICATION CERTIFYING THAT INSURANCE COVERAGE SPECIFIED HEREIN ARE IN FULL FORCE AND EFFECT AND THAT OWNER WILL BE GIVEN THIRTY (30) DAYS WRITTEN NOTICE PRIOR TO ANY CANCELLATION OR MATERIAL CHANGE. WAIVER OF SUBROGATION AND ADDITIONAL NAMED INSURED ENDORSEMENT WILL ALSO BE NOTED ON THE CERTIFICATE.
    F. CONTRACTOR SHALL PAY ANY AND ALL CONTRIBUTIONS FOR UNEMPLOYMENT INSURANCE AND DISABILITY BENEFITS REQUIRED BY THE LAWS OF THE STATE IN WHICH THE WORK IS PERFORMED, TO BE PAID FOR THE EMPLOYEES OF THE CONTRACTOR, AND UPON REQUEST, CONTRACTOR SHALL, FROM TIME TO TIME, FURNISH EVIDENCE TO OWNER OF PAYMENT OF SAME.

18. THE CONTRACTOR WILL PROVIDE ON-SITE SECURE STORAGE FACILITIES AND MAKE ARRANGEMENTS TO OFF LOAD AND STORE ALL EQUIPMENT PROVIDED BY OWNER.

    THE CONTRACTOR WILL BE PROVIDED COPIES OF EQUIPMENT PURCHASE ORDERS AND SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER OF EQUIPMENT RECEIPTS ON A DAILY BASIS. SHOULD ANY ITEM OF EQUIPMENT NEED TO BE RETURNED TO THE VENDOR DUE TO BEING DAMAGED OR DUE TO A DEFECT, IT MUST BE RETURNED TO THE VENDER WITHIN 30 DAYS OR IT WILL BE BACK-CHARGED TO THE GENERAL CONTRACTOR. IF A SHIPMENT IS SIGNED FOR AS COMPLETE. ANY LOST ITEMS WILL BE CHARGED TO THE GENERAL CONTRACTOR.

    THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFE HANDLING AND CARE OF THIS EQUIPMENT. DAMAGED, LOST OR STOLEN ITEMS WILL BE REPAIRED OR REPLACED AT THE OWNER'S OPTION AND BACK CHARGED TO THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR OWNER FURNISHED EQUIPMENT UNTIL PROJECT IS ACCEPTED AT FINAL TURNOVER BY RACETRAC.

    ITEMS TO BE PROVIDED BY THE OWNER SHALL BE LISTED ON THE DRAWINGS. ANY ITEM NOT SPECIFICALLY INDICATED AS BEING SUPPLIED BY THE OWNER SHALL BE CONSIDERED AS BEING SUPPLIED BY THE CONTRACTOR.

19. SHOP DRAWINGS, EQUIPMENT AND MATERIAL SPECIFICATION SHEETS ARE TO BE SUBMITTED TO THE OWNER FOR REVIEW PRIOR TO ANY PURCHASE COMMITMENTS.

20. THE CONTRACTOR SHALL ARRANGE AND MAINTAIN FOR TEMPORARY JOB SITE TELEPHONE AND FAX SERVICE THROUGHOUT THE COURSE OF CONSTRUCTION.

21. THE CONTRACTOR SHALL ARRANGE FOR AN INDEPENDENT TESTING SERVICE TO PROVIDE 7 AND 28-DAY CONCRETE CYLINDER BREAKS. PROVIDE 3 TEST CYLINDERS FOR EACH 50 CUBIC YARD BATCH OR FRACTION THEREOF. TEST BREAKS TO EQUAL OR EXCEED MINIMUM COMPRESSIVE STRENGTHS SPECIFIED ON THE PLANS. ALL RESULTS MUST BE PROVIDED TO RACETRAC INC.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING AN INDEPENDENT SOILS TESTING LABORATORY TO INSPECT AND PERFORM COMPACTION TESTING ON ALL SITE GRADING. COMPACT ALL SUB-GRADE SOILS TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT OF THE MODIFIED PROCTOR COMPACTION TEST STM 1557D UNLESS OTHERWISE SPECIFIED. ALL TEST RESULTS MUST BE PROVIDED TO A RACETRAC FIELD REPRESENTATIVE BY TESTING COMPANY. COMPACTION TEST TO BE PERFORMED AT LEAST 1 TEST PER 5000 SQUARE FEET OF EVERY VERTICAL INTERVAL OF 2 FEET. FILL IS TO BE PLACED IN 8" LIFTS.

23. EARTH EXCAVATION INCLUDES EXCAVATION OF PAVEMENTS AND OTHER OBSTRUCTIONS VISIBLE ON GROUND SURFACE; UNDERGROUND STRUCTURES, UTILITIES AND OTHER ITEMS INDICATED TO BE DEMOLISHED AND REMOVED; TOGETHER WITH EARTH AND OTHER MATERIALS ENCOUNTERED THAT ARE NOT CLASSIFIED AS ROCK OR UNAUTHORIZED EXCAVATION.

    ROCK EXCAVATION IN TRENCHES AND PITS INCLUDES REMOVAL AND DISPOSAL OF MATERIALS AND OBSTRUCTIONS ENCOUNTERED WHICH CANNOT BE EXCAVATED WITH A 0.75 CUBIC YARD (HEAPED) CAPACITY, 42" WIDE BUCKET ON TRACK-MOUNTED POWER EXCAVATOR EQUIVALENT TO CATERPILLAR MODEL 215, RATED AT NOT LESS THAN 90HP FLYWHEEL POWER AND 30,000 LB. DRAWBAR PULL. TRENCHES IN EXCESS OF 10'-0" IN WIDTH AND PITS IN EXCESS OF 30'-0" IN EITHER LENGTH OR WIDTH ARE CLASSIFIED AS OPEN EXCAVATIONS.

    A. TYPICAL OF MATERIALS CLASSIFIED AS ROCK ARE BOULDERS 1/2 CU. YD. OR MORE IN VOLUME, SOLID ROCK, ROCK IN LEDGES, AND ROCK-HARD CEMENTITIOUS AGGREGATED DEPOSITS.
    B. INTERMITTENT DRILLING, BLASTING OR RIPPING PERFORMED TO INCREASE PRODUCTION AND NOT NECESSARY TO PERMIT EXCAVATION OF MATERIALS ENCOUNTERED WILL BE CLASSIFIED AS EARTH EXCAVATION.
    C. DO NOT PERFORM ROCK EXCAVATION WORK UNTIL MATERIAL TO BE EXCAVATED HAS BEEN CROSS-SECTIONED AND CLASSIFIED BY THE OWNER. SUCH EXCAVATION WILL BE PAID ON BASIS OF CONTRACT CONDITIONS RELATIVE TO CHANGES IN WORK.

THE CONTRACTOR SHALL KEEP ALL EXCAVATIONS FREE FROM WATER BY PUMPING OR OTHER ADEQUATE MEANS AND SHALL DO ANY AND ALL SHORING, SHEET PIPING OR OTHER WORK NECESSARY TO KEEP EXCAVATIONS IN GOOD AND SAFE CONDITION AND HE SHALL PROTECT AND CARE FOR ALL PARTS, DO THE NECESSARY TRENCHING TO CONDUCT SURFACE WATER AWAY FROM THE STRUCTURE.

24. ALL GRAPHICS EXCEPT AS NOTED TO BE INSTALLED BY GENERAL CONTRACTOR.

25. GENERAL CONTRACTOR TO BE RESPONSIBLE FOR ALL INTERIOR AND EXTERIOR PAINTING. ALL INTERIOR FINISHES RECEIVING PAINT TO CONFORM TO A LEVEL '4' FINISH.

26. ANY SUBSTITUTIONS TO MATERIALS OR SPECIFICATIONS IN THESE PLANS MUST BE APPROVED IN WRITING BY V.P. OF CONSTRUCTION PRIOR TO USE.

27. ALL RETAINING WALLS TO BE PROTECTED DURING BACKFILL BY CONTRACTOR. THIS INCLUDES, BUT IS NOT LIMITED TO, PROVIDING AND INSTALLING PROPER BRACING DURING ALL BACKFILL BEING PLACED ADJACENT TO RETAINING WALLS.

28. GENERAL CONTRACTOR TO VERIFY THE SPECIFICATIONS FOR ALL CITY, STATE AND COUNTY ROADWORK AND BID THE PROJECT ACCORDING TO ALL LOCAL REQUIREMENTS.

29. CONTRACTOR SHALL KEEP A TRANSIT OR EQUAL ON SITE AT ALL TIMES.

30. CONTRACTOR SHALL REMOVE ALL VEGETATION, RUBBISH AND BROKEN ASPHALT OR CONCRETE FROM THE SITE DURING CONSTRUCTION. UNDER NO CIRCUMSTANCES ARE SUCH MATERIALS TO BE BURIED ON THE SITE.

31. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY COSTS UNTIL THE DAY OF STORE OPENING.

32. GC IS RESPONSIBLE TO SOD ALL DISTURBED AREAS OUT SIDE THE LIMITS OF CONSTRUCTION.

33. 100% IRRIGATION IS TO BE FURNISHED BY THE GC. SYSTEM SHALL BE HYDROPOINT.

34. ALL DRYWALL FINISHES TO CONFORM TO SPECIFIC FINISH LEVELS AS LISTED BY CEILING & INTERIOR SYSTEMS CONSTRUCTION ASSOCIATION, GYPSUM ASSOCIATION & PAINTING & DECORATING CONTRACTORS.

    LEVEL 3:

    IN RESTROOMS (RECEIVING WALL TILE) AND HALLWAY (RECEIVING FRP) ALL JOINTS AND INTERIOR ANGLES SHALL HAVE TAPE EMBEDDED IN JOINT COMPOUND AND ONE ADDITIONAL COAT OF JOINT COMPOUND APPLIED OVER ALL JOINTS AND INTERIOR ANGLES. FASTENER HEADS AND ACCESSORIES SHALL BE COVERED WITH TWO SEPARATE COATS OF JOINT COMPOUND. ALL JOINT COMPOUND SHALL BE COVERED WITH TWO SEPARATE COATS OF JOINT COMPOUND. ALL JOINT COMPOUND SHALL BE SMOOTH AND FREE OF TOOL MARKS AND RIDGES.
    NOTE:
    PREPARED SURFACE TO BE COATED WITH A DRYWALL PRIMER PRIOR TO THE APPLICATION OF FINAL FINISH.

    LEVEL 4:

    ALL JOINTS AND INTERIOR ANGLES SHALL HAVE TAPE EMBEDDED IN JOINT COMPOUND AND TWO SEPARATE COATS OF JOINT COMPOUND APPLIED OVER ALL FLAT JOINTS AND ONE SEPARATE COAT OF JOINT COMPOUND APPLIED OVER INTERIOR ANGLES. FASTENER HEADS AND ACCESSORIES SHALL BE COVERED WITH THREE SEPARATE COATS OF JOINT COMPOUND. ALL JOINT COMPOUND SHALL BE SMOOTH AND FREE OF TOOL MARKS AND RIDGES. NOTE: IT IS RECOMMENDED THAT THE PREPARED SURFACE BE COATED WITH A DRYWALL PRIMER PRIOR TO THE APPLICATION OF FINAL FINISHES. SEE PAINTING/WALLCOVERING SPECIFICATION IN THIS REGARD.

    THIS LEVEL SHOULD BE SPECIFIED WHERE FLAT PAINTS, LIGHT TEXTURES, OR WALL COVERINGS ARE TO BE APPLIED.

    THE WEIGHT, TEXTURE, AND SHEEN LEVEL OF WALL COVERINGS APPLIED OVER THIS LEVEL OF FINISH SHOULD BE CAREFULLY EVALUATED. JOINTS AND FASTENERS MUST BE ADEQUATELY CONCEALED IF THE WALLCOVERING MATERIAL IS LIGHTWEIGHT, CONTAINS LIMITED PATTERN, HAS A GLOSS FINISH, OR ANY COMBINATION OF THESE FINISHES IS PRESENT. UNBACKED VINYL WALL COVERINGS ARE NOT RECOMMENDED OVER THIS LEVEL OF FINISH.

    LEVEL 5:

    ALL JOINTS AND INTERIOR ANGLES SHALL HAVE TAPE EMBEDDED IN JOINT COMPOUND AND TWO SEPARATE COATS OF JOINT COMPOUND APPLIED OVER ALL FLAT JOINTS AND ONE SEPARATE COAT OF JOINT COMPOUND APPLIED OVER INTERIOR ANGLES. FASTENER HEADS AND ACCESSORIES SHALL BE COVERED WITH THREE SEPARATE COATS OF JOINT COMPOUND. A THIN SKIM COAT (REF: TERMINOLOGY, SECTION II) OF JOINT COMPOUND OR A MATERIAL MANUFACTURED ESPECIALLY FOR THIS PURPOSE, SHALL BE APPLIED TO THE ENTIRE SURFACE. THE SURFACE SHALL BE SMOOTH AND FREE OF TOOL MARKS AND RIDGES. NOTE: IT IS RECOMMENDED THAT THE PREPARED SURFACE BE COATED WITH A DRYWALL PRIMER PRIOR TO THE APPLICATION OF FINISH PAINT. SEE PAINTING SPECIFICATION IN THIS REGARD.

    THIS LEVEL OF FINISH IS HIGHLY RECOMMENDED WHERE GLOSS, SEMI-GLOSS, ENAMEL, OR NONTEXTURED FLAT PAINTS ARE SPECIFIED OR WHERE SEVERE LIGHTING CONDITIONS OCCUR.

    THIS HIGHEST QUALITY FINISH IS THE MOST EFFECTIVE METHOD TO PROVIDE A UNIFORM SURFACE AND MINIMIZE THE POSSIBILITY OF JOINT PHOTOGRAPHING AND OF FASTENERS SHOWING THROUGH THE FINAL DECORATION.

35. CONFLICTS:
    RACETRAC REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY UPON DISCOVERY OF A PROBLEM OR CONFLICT. CONTRACTOR SHALL PROMPTLY IDENTIFY ONE OR MORE PROPOSED SOLUTIONS BUT SHALL NOT PROCEED UNTIL SO AUTHORIZED.

BEVERAGE QUICK DISCONNECTS

THE GENERAL CONTRACTOR WILL PROVIDE AND INSTALL APPROPRIATELY SIZED QUICK DISCONNECTS FOR EACH. BEVERAGE EQUIPMENT OR ICE MACHINE CONNECTIONS.
THE QUICK DISCONNECTS SHALL BE AS FOLLOWS:

PART NUMBER	MANUFACTURER	DESCRIPTION
42100	BEVERAGE DISPENSING SOLUTIONS	PLASTIC 1/4" DIA. BARB SHUT-OFF
5923K71	McMASTER	PLASTIC 1/4" DIA. BARB STRAIGHT THRU

PLC SERIES SPECIFICATIONS

PRESSURE:	VACUUM TO 120 PSI, 8.3 BAR
TEMPERATURE*	-40 DEG. F TO 180 DEG. F CONTINUOUS -40 DEG. C TO 82 DEG. C CONTINUOUS

MATERIALS:

MAIN COMPONENTS AND VALVES:	ACETAL
THUMB LATCH:	STAINLESS STEEL
VALVE SPRING:	316 STAINLESS STEEL
EXTERNAL SPRINGS AND PIN:	STAINLESS STEEL
O-RINGS:	BUNA-N
COLOR:	NATURAL WHITE, OTHERS AVAILABLE
TUBING RANGE:	1/4" TO 3/8", 6.4MM TO 9.5MM

JG R TUBING SPECIFICATIONS:

TUBE TOLERANCES:	1/4" OD, +0.001/-0.004 3/8" OD, +0.001/-0.004
TUBE TYPES(PLASTIC TUBE):	POLYETHYLENE, NYLON, POLYURETHANE

FOR SOFT OR THIS WALL TUBING WITH JG R TERMINATIONS, TUBE SUPPORTS ARE RECOMMENDED

(METAL TUBE): BRASS COPPER, AND MILD STEEL

SITE SPECIFIC REQUIREMENTS

1. THE OWNER WILL MAKE AVAILABLE CONSTRUCTION PLANS FOR PURCHASE ON PROJECTMATES.

2. THE OWNER WILL ARRANGE TO HAVE HIS/HER SURVEYOR SET PROPERTY CORNERS ONE TIME SUBSEQUENT TO PROJECT START-UP. GC WILL RETAIN SURVEYOR TO RESET PROPERTY PINS, IF NECESSARY.

3. EXCLUSIONS/QUALIFICATIONS:

   A. CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLATION OF CANOPY FOOTINGS, MAX. NO. OF 14 -- REF. CANOPY MANUF. SITE PLAN FOR SIZE, NUMBER AND LOCATION. CONTRACTOR IS ALSO RESPONSIBLE FOR WIRING ALL LIGHTS AND EQUIPMENT ON CANOPY. (SEE SHEET C-1). LIGHTS WILL BE SUPPLIED & INSTALLED BY OWNER.
   B. OWNER'S SIGN FABRICATOR SHALL INSTALL FOOTING, PROVIDE AND ERECT FREE STANDING PRICE & IDENTIFICATION SIGN

      1) GENERAL CONTRACTOR SHALL ARRANGE TO WIRE AND COMPLETE ELECTRICAL CONNECTIONS TO LIGHTS AT TOP & BOTTOM OF PRICE SIGN (INCLUDING A MIN. OF (10) 400 WATT LIGHTS), PREMIUM HONOR SIGNS, BUILDING AWNING LIGHTS, CANOPY LIGHTS, CANOPY NEON LIGHTS, SATELLITE EQUIPMENT AND PUMP TOPPER LIGHTS.

   C. OWNER WILL PROVIDE AND INSTALL ALL EXTERIOR AWNINGS, CANOPY LETTERING AND NEON AS SHOWN ON PLANS.
   D. AIR TOWER TO BE INSTALLED BY OTHERS, CONTRACTOR TO EXTEND WATER AND ELECTRICAL AS SHOWN, STUB UP AND SECURE PENDING AIR TOWER AND TELEPHONE EQUIPMENT PLACEMENT/INSTALLATION.

4. PERMITS: OWNER HAS OR WILL PAY FOR AND HAS RECEIVED TENTATIVE APPROVALS FOR BUILDING PERMIT, WATER & SEWER CONNECTION FEES, AND D.O.T. ENTRANCE PERMITS. CONTRACTOR SHALL COMPLETE THE LICENSING REQUIREMENTS FOR PORTION OF BUILDING PERMIT APPLICATIONS PLUS ANY MISCELLANEOUS TRADE PERMITS/INSPECTION FEES (I.E. PLUMBING, MECHANICAL, ELECTRICAL, ETC.) AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ANY LOCAL LICENSING FEES AND INSPECTION FEES. CONTRACTOR SHALL NOT MOVE ON SITE UNTIL ALL OF THE APPROPRIATE PERMITS ARE IN HAND.

5. NO PVC CONDUIT TO BE USED ON TOP OF CANOPY. USE ONLY 3/4" EMT CONDUIT WITH WATER TIGHT CONNECTIONS.

6. INSTALLATION OF OWNER'S EQUIPMENT AND FURNISHINGS: THE FOLLOWING ALLOWANCES FOR INSTALLATION OF OWNER'S EQUIPMENT ARE PREDICATED ON OWNER'S PAST EXPERIENCE FOR SIMILAR INSTALLATIONS. A TWO-MAN CREW CONSISTS OF A GOOD MECHANIC OR CARPENTER AND A HELPER.

   COOLER SHELVING --- 2 MEN, 2 DAY.
   STORE GONDOLA --- 2 MEN, 1 DAY.
   STOREROOM SHELVING --- 1 MAN, I DAY.
   SNACK BAR EQUIPMENT --- 1 MAN, 1 DAY.
   CHECKOUT COUNTER EQUIPMENT --- 2 MEN, 1 DAY.
   TOWEL RACKS, CANOPY COLUMN SIGNS --- 2 MEN, 1/2 DAY.
   ALL OWNER SUPPLIED GRAPHICS, DECALS.
   AT C-STORE AND ENTIRE SITE -- 2 MEN, 2 DAYS

7. CONTRACTOR SHALL ARRANGE TO SUPPLY AND INSTALL PUMP ISLAND EXTINGUISHERS IN ACCORDANCE WITH LOCAL FIRE MARSHALL/INSPECTOR'S REQUIREMENTS.

8. RACETRAC SHALL ARRANGE TO PERFORM A VOLUMETRIC PRECISION TEST ON COMPLETED UNDERGROUND STORAGE TANKS AND PRODUCT PIPING SYSTEM IN ACCORDANCE WITH SECTION 5.1 OF DRAWING PS-5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF FUEL DELIVERIES DURING NORMAL START UP PROCEDURES. TANKS SHALL REMAIN LOCKED AT ALL TIMES. ANY FUEL CHARGES WILL BE CHARGED TO THE GENERAL CONTRACTOR.

9. STORE STOCKING AND MERCHANDISING: STOCKING AND MERCHANDISING FOR NEW STORE REQUIRES 3 DAYS AND MUST BE SCHEDULED BY THE CONTRACTOR 3 WEEKS IN ADVANCE OF ANTICIPATED COMPLETION OF WORK.

   1. ARRANGE TO COMPLETE ALL WORK AND OBTAIN NECESSARY OCCUPANCY PERMITS PRIOR TO THE SCHEDULED "STOCK DATE".
   2. HAVE STORE, STORE EQUIPMENT, DISPENSERS, AND SITE PROFESSIONALLY AND THOROUGHLY CLEANED, PRIOR TO THE SCHEDULED "STOCK DATE"
   3. RETAIN JOB SUPERINTENDENT AND TWO LABORERS ON SITE TO ASSIST WITH STORE STOCKING; MISCELLANEOUS CLEANING/DEBRIS REMOVAL AS REQUIRED; AND NEW STORE INSPECTION (SEE PARAGRAPH II BELOW).
   4. ARRANGE FOR JOB SITE DUMPSTER TO BE EMPTIED PRIOR TO STORE STOCKING; REMOVE DUMPSTER FROM SITE FOLLOWING STORE STOCKING.

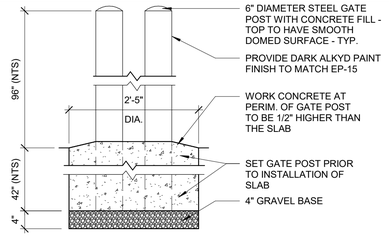
10. OPENING INSPECTION: A COMPREHENSIVE AND THOROUGH INSPECTION OF THE NEW STORE CONSTRUCTION AND MERCHANDISING WILL BE COMPLETED SUBSEQUENT TO THE STORE STOCKING/MERCHANDISING AND PRIOR TO THE STORE OPENING. GENERAL CONTRACTOR MUST HAVE A GILBARCO VEEDER-ROOT ON OPENING DAY. THESE TECHNICIANS SHALL BE SCHEDULED FOR 10-12 HOURS. VEEDER ROOT TECHNICIAN MUST BE AN AUTHORIZED FACTORY DISTRIBUTOR.

    CONTRACTOR SHALL:

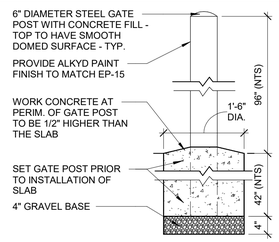
    1. ARRANGE TO CORRECT CONSTRUCTION RELATED DEFICIENCIES AS DIRECTED BY THE OWNER'S ENGINEER PRIOR TO STORE OPENING OR AS SOON THEREAFTER AS PRACTICAL.
    2. PURGE AND CALIBRATE EACH DISPENSER/PUMP AS PER SHEET PS-5 AND FURNISH COPY OF REPORTS TO RACETRAC BEFORE STORE OPENING.

11. ALL EQUIPMENT, HOSES AND CONNECTIONS TO MEET NSF SPECIFICATIONS.

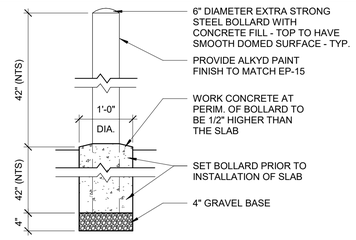
12. IF EQUIPMENT TO BE INSTALLED AND HOOKED-UP BY THE MANUFACTURER'S REPRESENTATIVE, GENERAL CONTRACTOR TO SCHEDULE INST



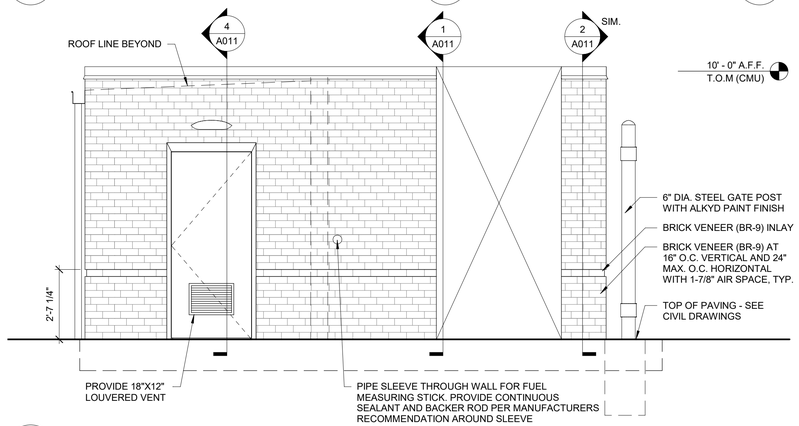
8 DOUBLE GATE POST
3/4" = 1'-0"



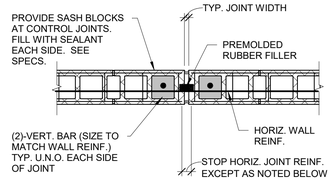
7 TYPICAL GATE POST
3/4" = 1'-0"



6 TYPICAL BOLLARD
3/4" = 1'-0"

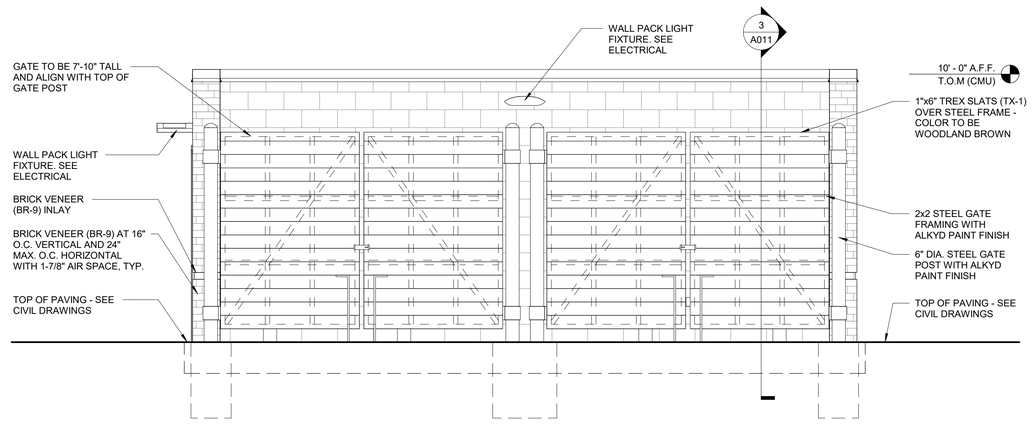


4 DUMPSTER ENCLOSURE SIDE ELEVATION
3/8" = 1'-0"

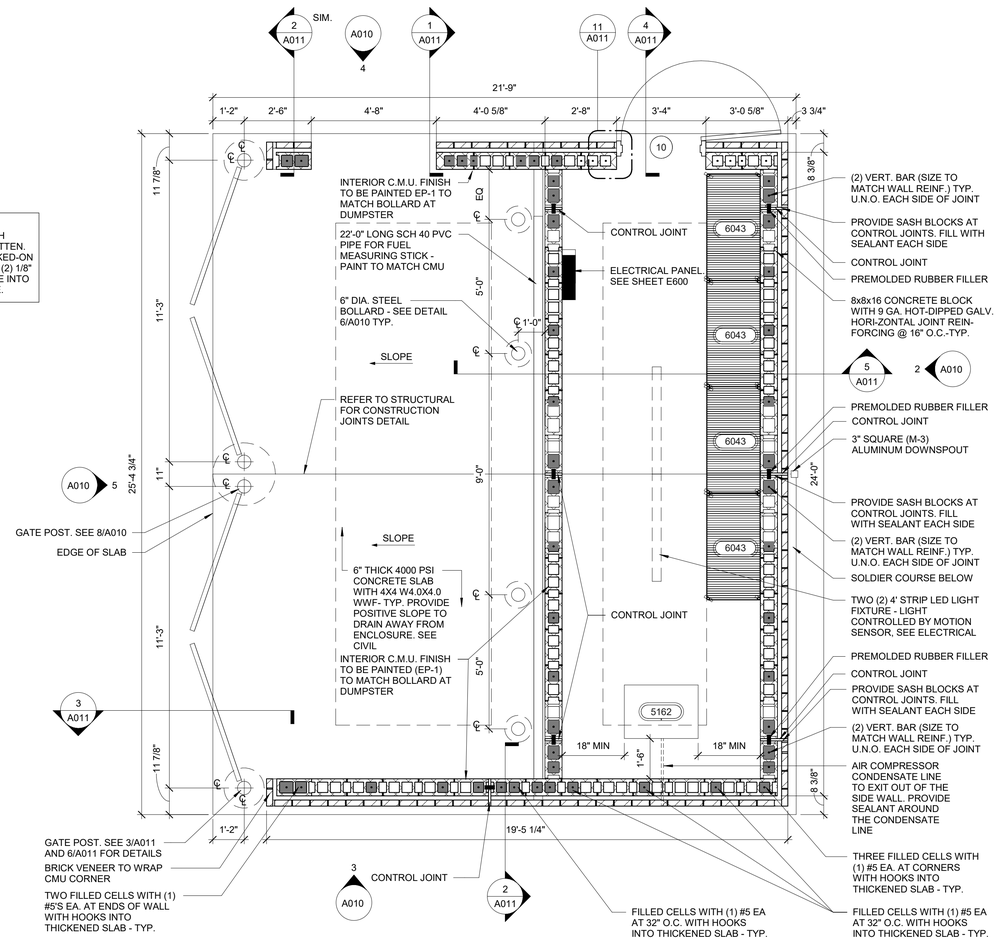


NOTES:
1. REFER TO ELEVATIONS FOR JOINT LOCATIONS.
2. MAX. SPACING OF JOINTS: PANEL LENGTH/HEIGHT = 1.5 MAX., 20'-0" MAX.

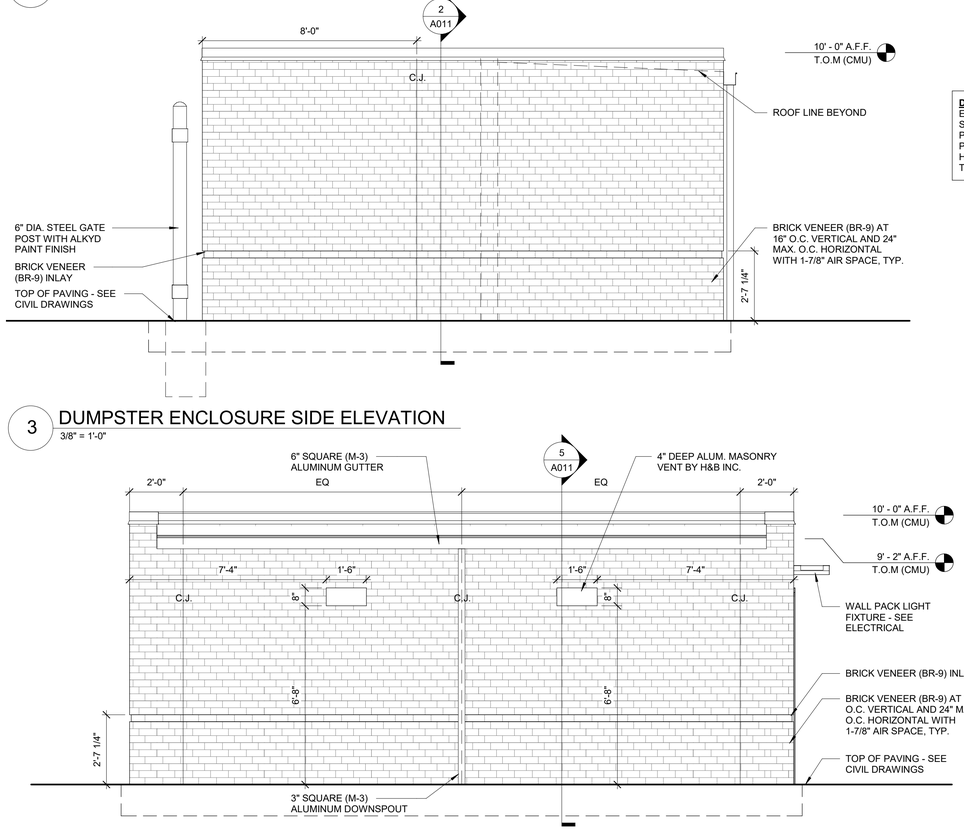
9 TYP. MASONRY CONTROL JOINT
3/4" = 1'-0"



5 DUMPSTER ENCLOSURE FRONT ELEVATION
3/8" = 1'-0"



1 DUMPSTER ENCLOSURE PLAN
3/8" = 1'-0"



3 DUMPSTER ENCLOSURE SIDE ELEVATION
3/8" = 1'-0"

2 DUMPSTER ENCLOSURE REAR ELEVATION
3/8" = 1'-0"

DUMPSTER ENCLOSURE ROOFING SYSTEM:
ENGLERT METAL ROOF SYSTEM SERIES 2500; 1-3/4" HIGH STRUCTURAL SNAP LOCK STANDING SEAM WITH NO BATTEN. PANELS ARE 18" WIDE, 24 GAUGE GALVALUME WITH BAKED-ON PERMACOLOR 2000 KYNAR 500 IN SMOOTH FINISH WITH (2) 1/8" HIGH X 1/8" WIDE STYRAN RIBS TO BE SPACED TO DIVIDE INTO THREE EQUAL PARTS; COLOR TO MATCH DARK BRONZE.

RaceTrac.

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DESIGN PROFESSIONALS

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520 S. MAIN STREET, STE 2531
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RaceTrac

RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

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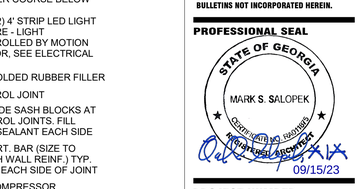
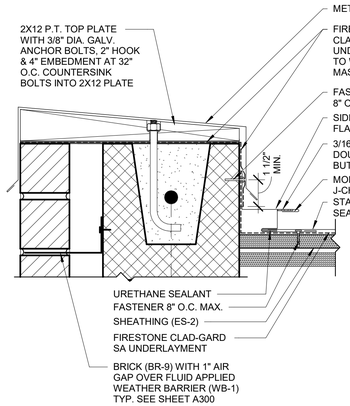
PROFESSIONAL SEAL



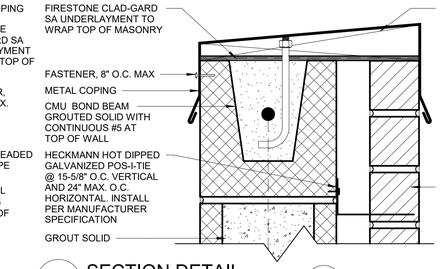
PROJECT NUMBER
2023157.20

SHEET TITLE
DUMPSTER ENCLOSURE PLAN

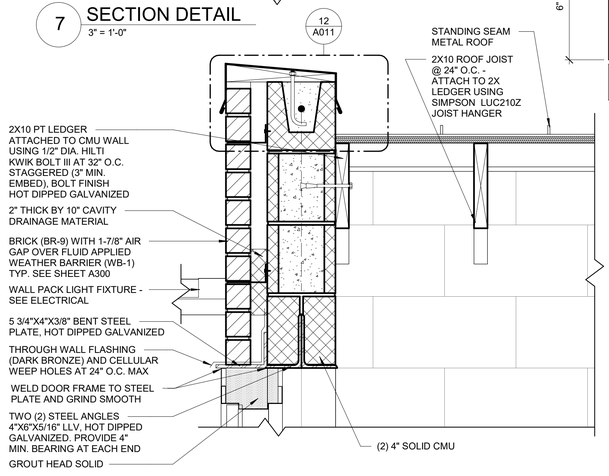
SHEET NUMBER
A010

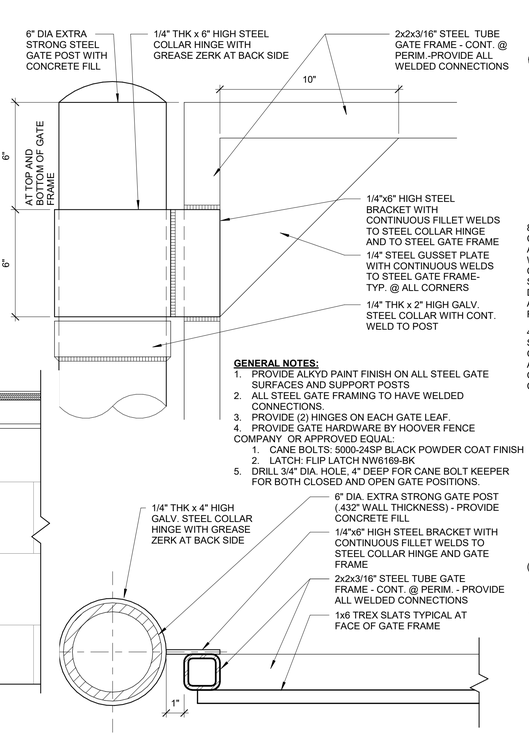


12 SECTION DETAIL
3" = 1'-0"

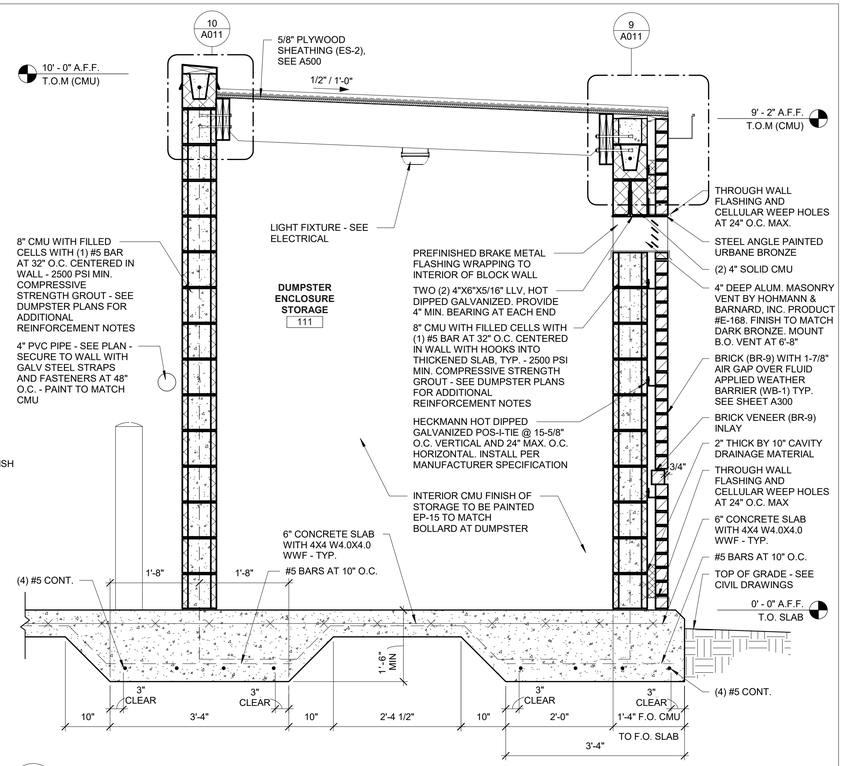


7 SECTION DETAIL
3" = 1'-0"

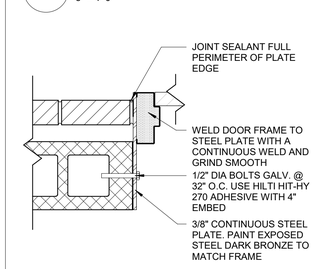




6 GATE POST DETAIL
3" = 1'-0"

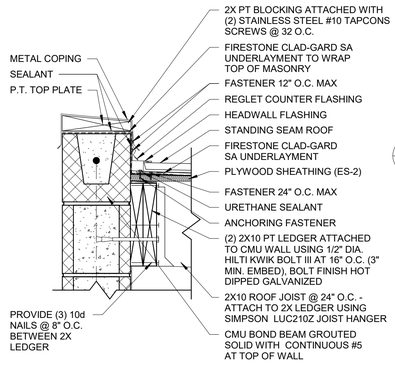


5 DUMPSTER ENCLOSURE REAR WALL
3/4" = 1'-0"

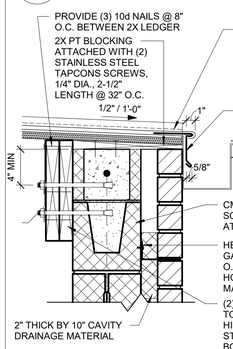


11 DOOR JAMB
1 1/2" = 1'-0"

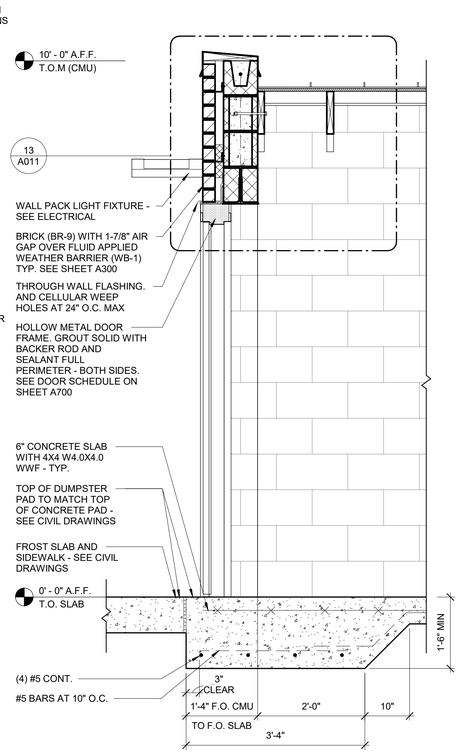
13 SECTION DETAIL
1 1/2" = 1'-0"



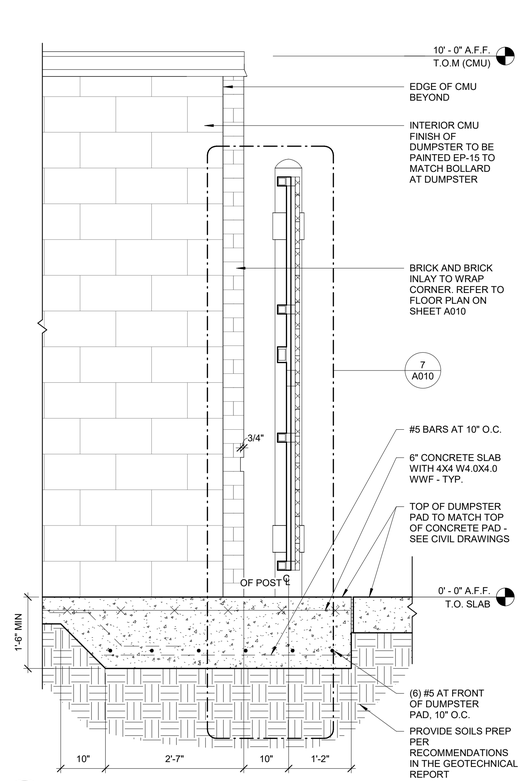
10 SECTION DETAIL
1 1/2" = 1'-0"



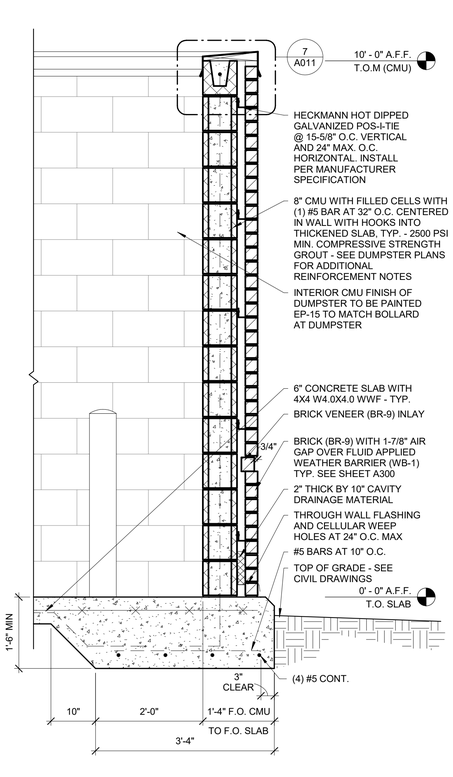
9 SECTION DETAIL
1 1/2" = 1'-0"



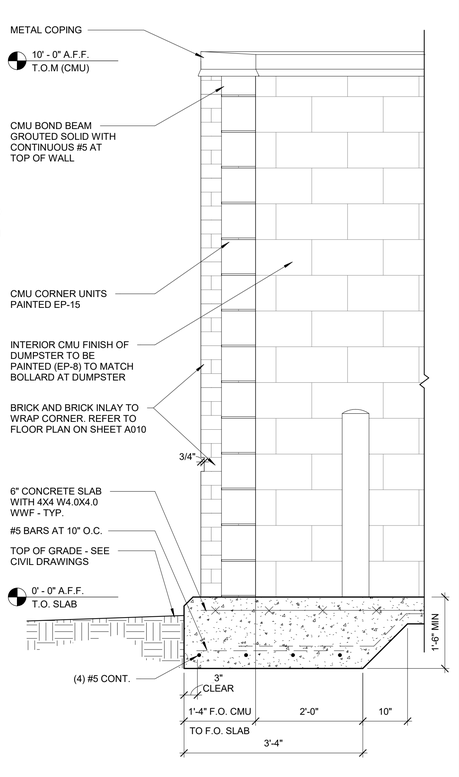
4 DUMPSTER SIDE WALL
3/4" = 1'-0"



3 DUMPSTER FRONT WALL
3/4" = 1'-0"



2 DUMPSTER SIDE WALL
3/4" = 1'-0"



1 DUMPSTER SIDE WALL
3/4" = 1'-0"

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GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

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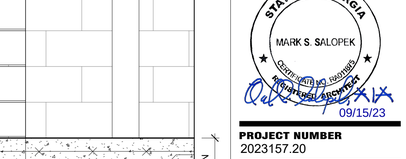


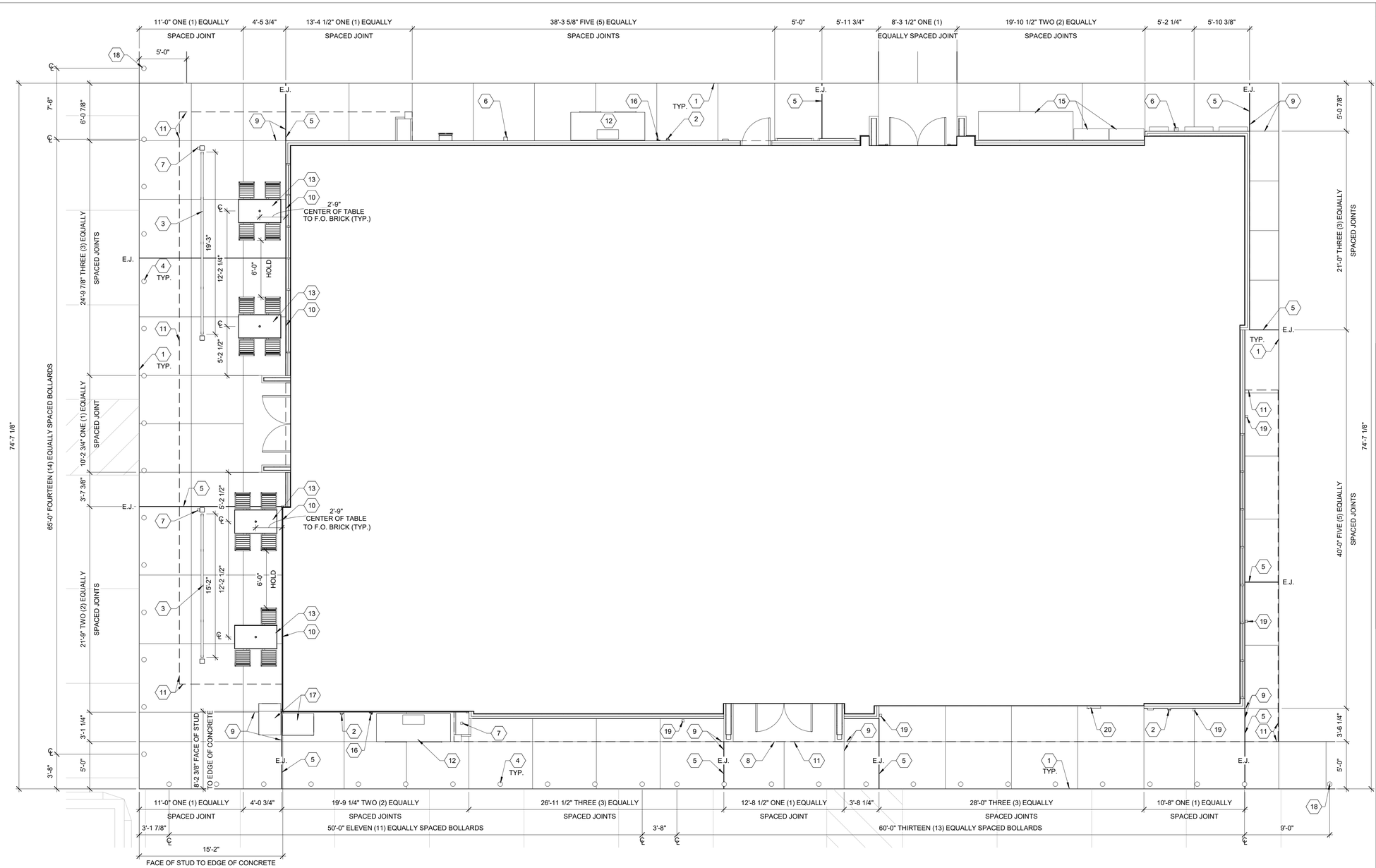
PROJECT NUMBER
2023157.20

SHEET TITLE

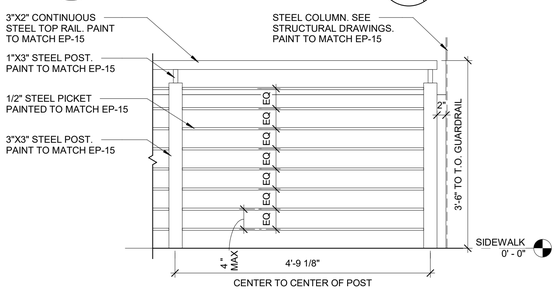
DUMPSTER ENCLOSURE DETAILS

SHEET NUMBER

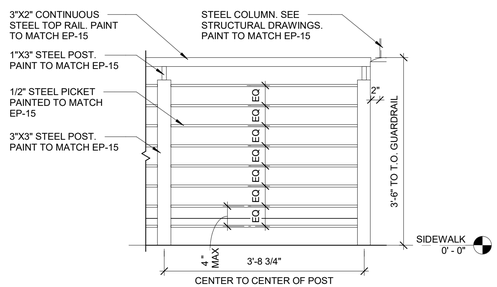
A011



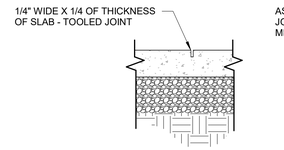
6 EXTERIOR SIDEWALK PLANS
3/16" = 1'-0"



5 PATIO GUARDRAIL ELEVATION
3/4" = 1'-0"

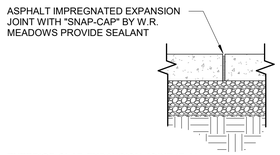


4 PATIO GUARDRAIL ELEVATION
3/4" = 1'-0"



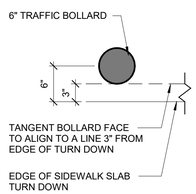
SLAB CONTROL JOINT (C.J.)

2 SIDEWALK JOINT DETAIL
1 1/2" = 1'-0"



EXTERIOR SLAB EXPANSION JOINT (E.J.)

DETAILS ONLY APPLY TO BUILDING SIDEWALK. THEY DO NOT APPLY TO INTERIOR SLAB OR SITE CONCRETE.



1 BOLLARD LOCATION DETAIL
1" = 1'-0"

GENERAL NOTES

1. DO NOT SCALE PLANS.
2. THE CONTRACTOR SHALL HIRE A SURVEYOR TO LAYOUT THE BUILDING ON THE SITE IN ACCORDANCE WITH THE CIVIL CONSTRUCTION DOCUMENTS.
3. THE SURVEYOR AND CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE OWNER, ENGINEER AND ARCHITECT OF ALL DISCREPANCIES
4. THE CONTRACTOR SHALL PREPARE THE BUILDING PAD PER THE GEOTECHNICAL REPORT.
5. PROVIDE AND MAINTAIN LIGHTING, SITE FENCES, BARRICADES AND GUARD RAILS AS REQUIRED BY APPLICABLE REGULATORY ADVISORY TO PROTECT WORKERS AND PEDESTRIANS.
6. VERIFY FINAL LOCATION FOR ALL UTILITY AND PLUMBING ROUGH IN LOCATIONS WITH ELECTRICAL AND PLUMBING DRAWINGS.
7. VERIFY DOWNSPOUT LOCATIONS AND CONNECTIONS WITH CIVIL DRAWINGS.
8. CONTACT LOCAL FIRE MARSHAL FOR FIRE SERVICES REQUIREMENTS PRIOR TO CONSTRUCTION.
9. BURNING OF MATERIALS ON SITE IS NOT PERMITTED.
10. SEE PLUMBING SHEET P110 AND P120 FOR PLUMBING ROUGH IN DIMENSIONS.
11. REFER TO SITE PLAN FOR ORIENTATION OF BUILDING.
12. ALL JOINTS ARE CONTROL JOINTS UNLESS OTHERWISE STATED.
13. JOINTS BETWEEN COLD SLAB POURS SHALL BE DOWELED, SEE STRUCTURAL DRAWINGS. METAL KEYWAYS SHALL NOT BE USED.

SHEET KEYNOTES

1	EDGE OF SIDEWALK TURN DOWN
2	EMERGENCY SHUT OFF SWITCH. REFER TO DETAIL A ON SHEET A001.
3	GUARDRAIL BY OTHERS CENTERED ON COLUMNS. REFER TO DETAILS 4 & 5 ON THIS SHEET.
4	TRAFFIC BOLLARD. REFER TO DETAIL ON THIS SHEET.
5	SIDEWALK EXPANSION JOINT. REFER TO DETAIL THIS SHEET.
6	5"X5" SQUARE DOWNSPOUT. TIE TO UNDERGROUND STORM, SEE CIVIL FOR CONTINUATION. FINISH TO MATCH EP-15, SEE SHEET A300.
7	3"X3" SQUARE DOWNSPOUT, TIE TO UNDERGROUND STORM, SEE CIVIL FOR CONTINUATION. FINISH TO MATCH EP-15, SEE SHEET A300.
8	SLAB TO ALIGN WITH FRONT EDGE OF ENTRY PORTAL.
9	ALIGN JOINT WITH 90 DEGREE TURN IN SIDWALK LAYOUT.
10	CONVENIENCE OUTLET MOUNTED IN WALL. REFER TO ELECTRICAL DRAWINGS.
11	DASHED LINE INDICATES ROOF ABOVE.
12	ICE MERCHANDISER. REFER TO EQUIPMENT PLAN.
13	TABLES AND CHAIRS TO BE BOLTED TO SLAB.
14	NOT USED.
15	ELECTRICAL PANEL. REFER TO ELECTRICAL DRAWINGS. PROVIDE BLOCKING AS REQUIRED.
16	HOSE BIB. REFER TO PLUMBING DRAWINGS.
17	LOCATE PROPANE CAGE 5' AWAY FROM ANY ELECTRICAL OUTLET.
18	BOLLARD. REFER TO CIVIL DRAWINGS FOR EXTENSION OF SITE PLAN.
19	3"X3" SQUARE DOWNSPOUT, TIE TO UNDERGROUND STORM, SEE CIVIL FOR CONTINUATION. FINISH TO MATCH EP-15, SEE SHEET A300..
20	PACKAGE PASSER. REFER TO EQUIPMENT PLAN

SIDEWALK PLAN LEGEND

- E.J. EXPANSION JOINT
- ℄ CENTER LINE
- ○ TRAFFIC BOLLARD
- PLANTING BED - SEE CIVIL DRAWINGS

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PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

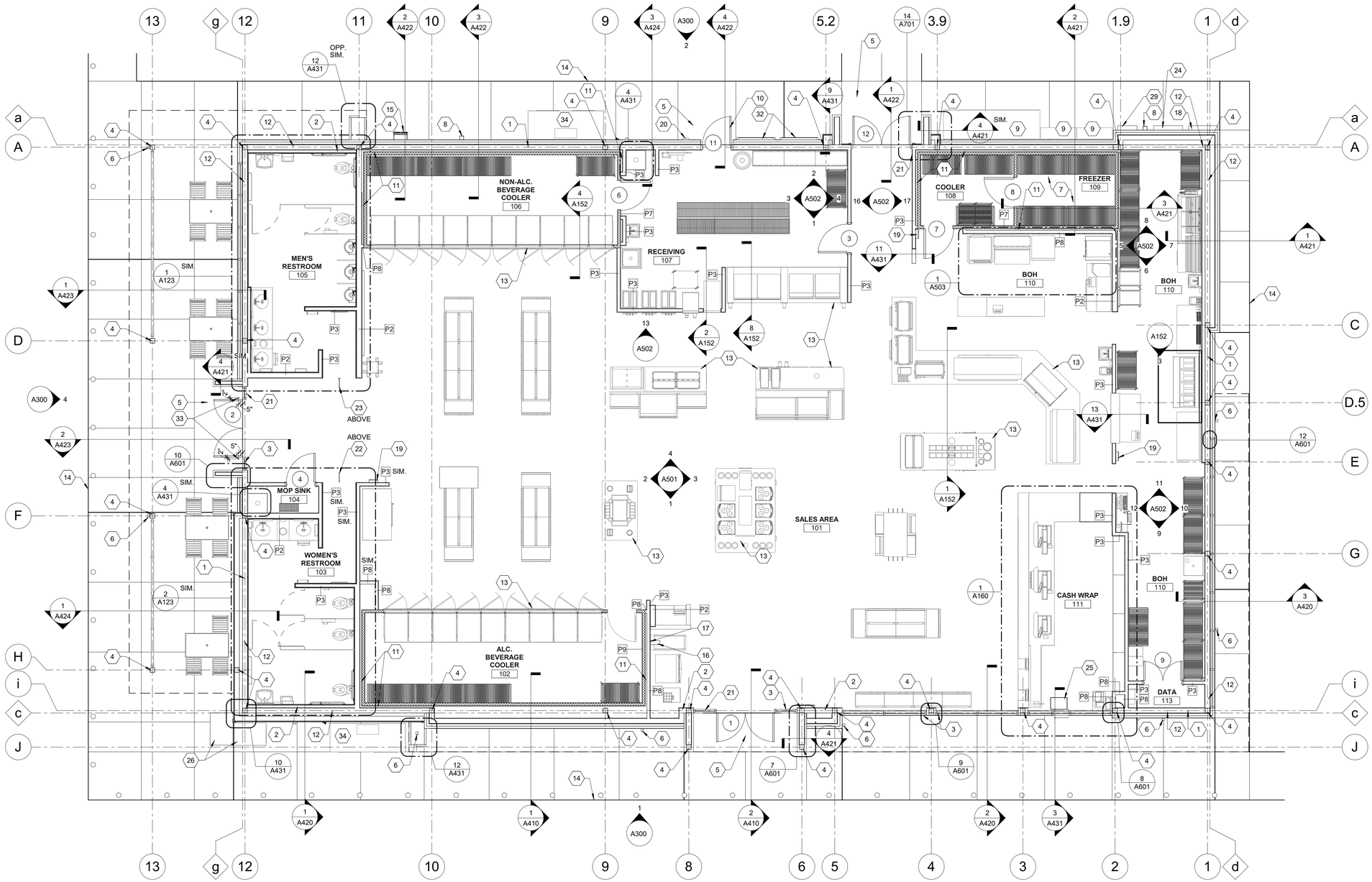
PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
COMMISSIONED
REGISTERED ARCHITECT
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE
EXTERIOR SIDEWALK PLAN AND DETAILS

SHEET NUMBER
A100



1 FLOOR REFERENCE PLAN
3/16" = 1'-0"

GENERAL NOTES

1. INTERIOR DIMENSIONS ARE FROM STUD TO STUD (UNO) AS INDICATED WITH AN ASTERISK(*).
2. REFER TO SITE PLAN FOR ORIENTATION OF BUILDING.
3. DO NOT SCALE PLANS.
4. ALL FINISH FLOOR ELEVATIONS TAKEN FROM TOP OF CONCRETE.
5. ALL INTERIOR METAL STUDS ARE 3-5/8" UNLESS NOTED OTHERWISE.
6. SEE ELECTRICAL DRAWINGS FOR EXIT SIGN & EMERGENCY LIGHT LOCATIONS.
7. EXTERIOR DIMENSIONS AT MASONRY WALLS ARE TO THE FACE OF BLOCK.
8. EXTERIOR DIMENSIONS AT METAL STUD FRAMING ARE TO FACE OF STUD.
9. ALL GYPSUM BOARD TO BE 5/8" THICK UNLESS OTHERWISE NOTED.
10. FOR PARTITION TYPES REFER TO SHEET A111.
11. PROVIDE BATT INSULATION FOR ALL EXTERIOR WALLS, TYPICAL.
12. LOCATE FIRE EXTINGUISHERS SUCH THAT ALL PORTIONS OF THE BUILDING ARE WITHIN 75 FEET TRAVEL DISTANCE OF AN EXTINGUISHER PER LOCAL JURISDICATION.

SHEET KEYNOTES

1	6" METAL STUD FRAMING WITH MINIMUM R-19 BATT INSULATION.
2	6" METAL STUD FRAMING WITH MINIMUM R-19 BATT INSULATION AND 3 5/8" FURRING ON INTERIOR.
3	ALUMINUM STOREFRONT WINDOWS AND DOORS.
4	STEEL COLUMN; REFER TO STRUCTURAL.
5	CONCRETE SIDEWALKS AT ALL EXTERIOR DOORS TO BE FLUSH WITH THE TOP OF INTERIOR SLAB. LANDING AREAS SHALL BE AT LEAST 5'-0". SLOPE NOT TO EXCEED 1:48 IN ANY/ALL DIRECTIONS.
6	3"X3" SQUARE DOWNSPOUT, REFER TO CIVIL FOR CONTINUATION.
7	INSULATED FLOOR SLAB AT FREEZER.
8	5"X5" SQUARE DOWNSPOUT; REFER TO CIVIL FOR CONTINUATION.
9	ELECTRICAL PANELS. PROVIDE BLOCKING AS REQUIRED.
10	HOLLOW METAL DOOR AND FRAME.
11	2" MINIMUM AIR GAP AT REFRIGERATION WALLS.
12	CROSS BRIDGING. REFER TO STRUCTURAL.
13	MILLWORK AND REFRIGERATION EQUIPMENT BY RT. REFER TO EQUIPMENT PLAN FOR MORE INFORMATION.
14	LIMITS OF BUILDING SIDEWALK.
15	STEEL ROOF LADDER. REFER TO WALL SECTION.
16	ATM FLAG SIGN. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.
17	MILLWORK INSTALLER TO PROVIDE SHELF FOR ROUTER BEHIND ATM.
18	GENERATOR TAP BOX. REFER TO ELECTRICAL FOR LOCATION.
19	FIRE EXTINGUISHER CABINET (F.E.C.) SEE EQUIPMENT PLAN FOR LOCATION.
20	INTERCOM CALL STATION RECESSED INTO EXTERIOR FINISH. SEE ELECTRICAL FOR MORE INFORMATION.
21	"EXIT" SIGN BY OWNER CONFORMING TO ADA SPECIFICATIONS AND MOUNTING HEIGHT.
22	"WOMEN" RESTROOM SIGN BY OWNER CONFORMING TO ADA SPECIFICATIONS AND MOUNTING HEIGHT.
23	"MEN" RESTROOM SIGN BY OWNER CONFORMING TO ADA SPECIFICATIONS AND MOUNTING HEIGHT.
24	LOCATION OF ELECTRICAL SERVICE C/T AND METER.
25	PLATFORM ACCESS PANEL.
26	LOCATE PROPANE CAGE 5' AWAY FROM ANY ELECTRICAL OUTLET
27	NOT USED.
28	NOT USED.
29	HYDROPOINT IRRIGATION SYSTEM. SEE ELECTRICAL DRAWINGS.
30	NOT USED.
31	NOT USED.
32	GRAPHIC DISPLAY BY RACETRAC.
33	PROVIDE FLOOR DOOR STOP IVES FS436.
34	ICE MERCHANDISER. REFER TO EQUIPMENT PLAN.

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Certificate No. 035555
Registered Engineer
09/15/23

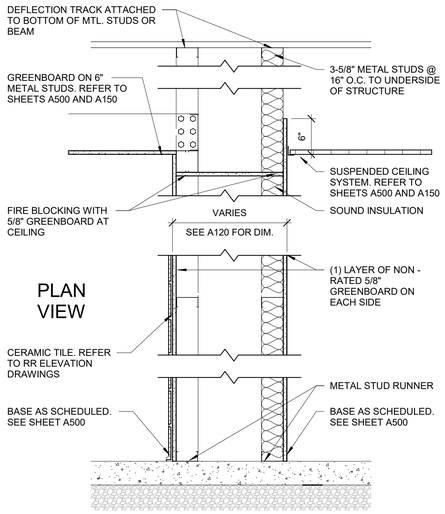
PROJECT NUMBER
2023157.20

SHEET TITLE

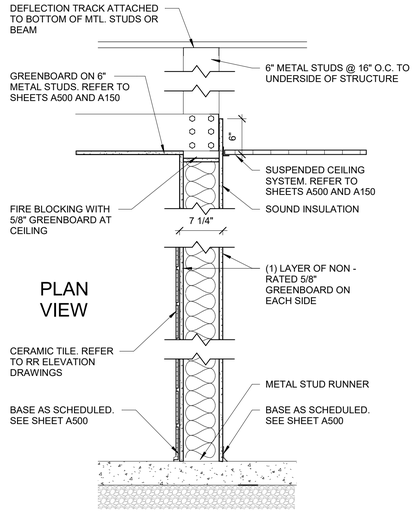
FLOOR REFERENCE PLAN

SHEET NUMBER

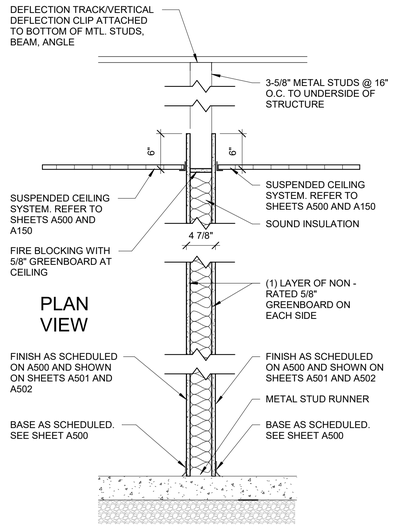
A110



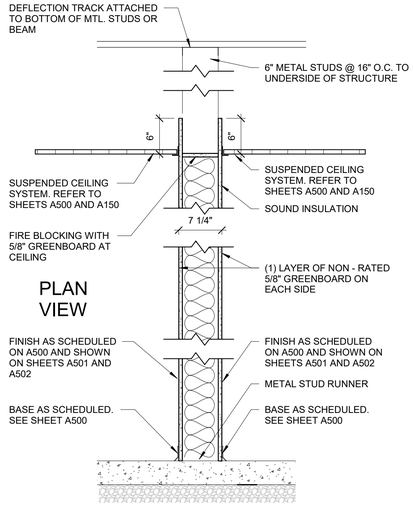
10 PARTITION TYPE P1
1" = 1'-0"



9 PARTITION TYPE P2
1" = 1'-0"



8 PARTITION TYPE P3
1" = 1'-0"



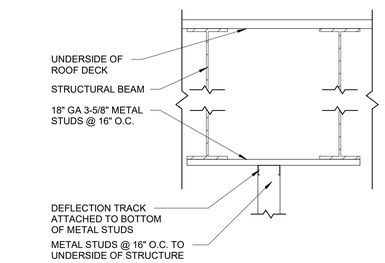
7 PARTITION TYPE P4
1" = 1'-0"

6 PARTITION TYPE P5
1" = 1'-0"

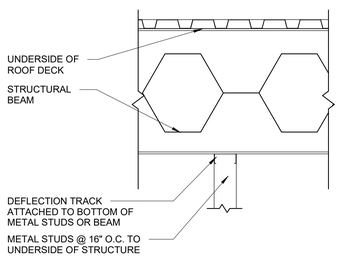
5 PARTITION TYPE P6
1" = 1'-0"

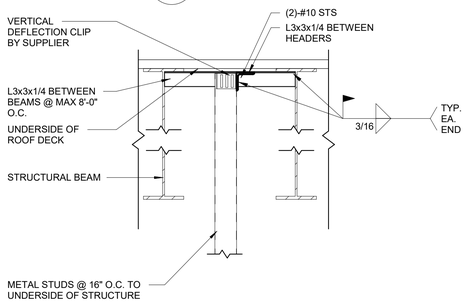
4 PARTITION TYPE P7
1" = 1'-0"

3 PARTITION TYPE P8
1" = 1'-0"



1 TYPICAL ATTACHMENT DETAILS
1" = 1'-0"





2 PARTITION TYPE P9
1" = 1'-0"

GENERAL NOTES

1. DO NOT SCALE PLANS.
2. ALL PARTITIONS ARE TO BE ATTACHED TO DEFLECTION TRACK AT THE BOTTOM OF THE BEAM OR TO A UNISTRUT. NO PARTITIONS SHALL BE ANCHORED TO THE METAL ROOF DECK.
3. SEE SHEETS A500, A501 AND A502 FOR FINISHES.
4. SEE SHEET A150 FOR CEILING HEIGHTS AND MATERIAL.
5. USE 5/8" PLYWOOD IN LIEU OF GREENBOARD AS REQUIRED FOR SHELVING ATTACHMENT.
6. SEE A501 AND A502 FOR LOCATIONS OF PLYWOOD TO BE PROVIDED BEHIND WALL HUNG EQUIPMENT.
7. PROVIDE ADDITIONAL LAYER OF 1/4" GYPSUM BOARD OVER PLYWOOD WHERE WALL COVERING IS REQUIRED.
8. SEE EXTERIOR ELEVATIONS FOR EXTERIOR WALL TYPES.
9. SEE STRUCTURAL DRAWINGS FOR LIGHT GAUGE FRAMING REQUIREMENTS.

NOTE:
FIRE BLOCKING FOR 'TYPE V' CONSTRUCTION: FIRE BLOCKING SHOULD BE INSTALLED IN AREAS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, CONCEALED SPACES OF THE STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:
A. VERTICALLY AT THE CEILING
B. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10'-0", PROVIDE 5/8" GREENBOARD.

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Professional Corporation
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AKRON, OH 44311

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 DATE 06/02/23

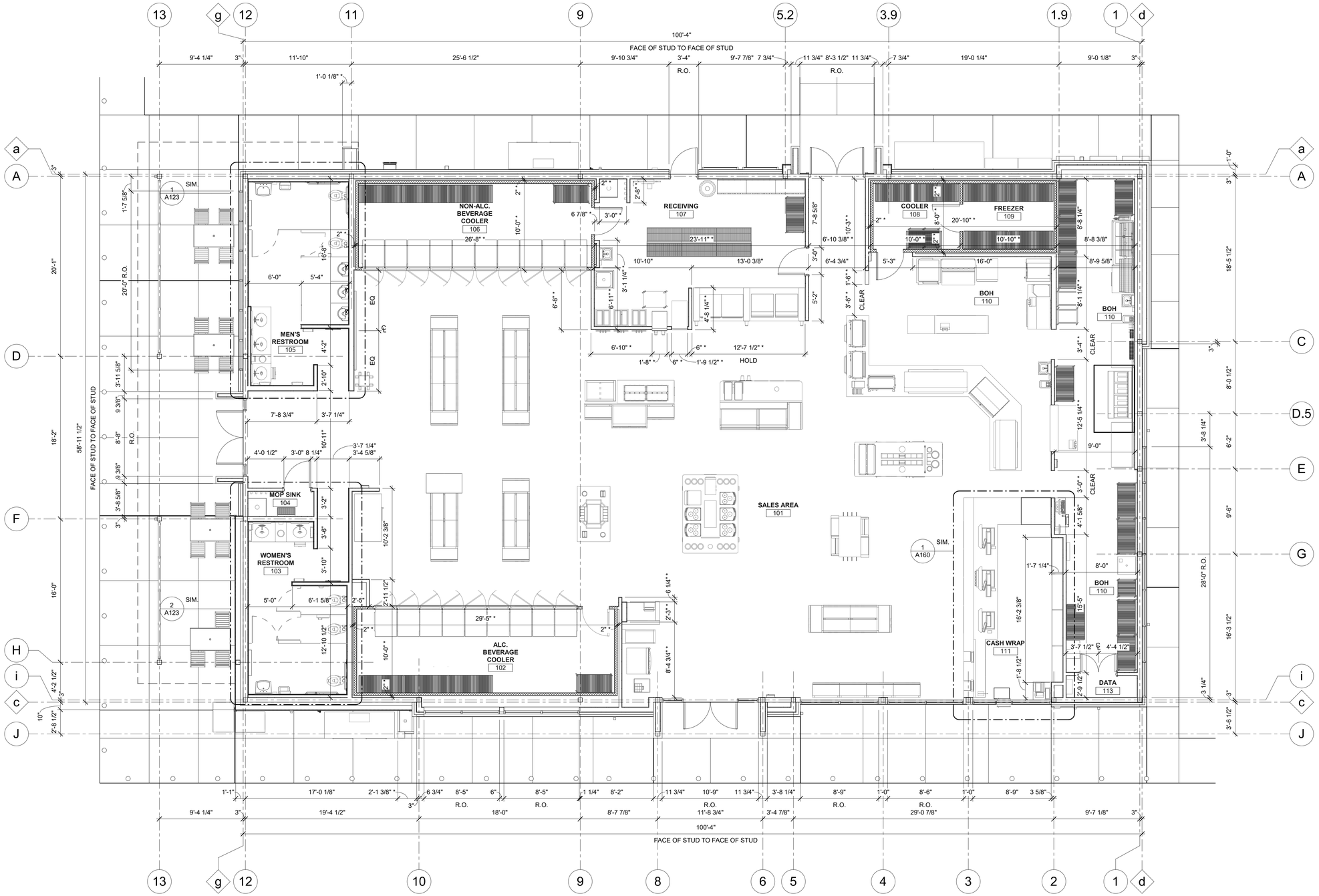
STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL
STATE OF GEORGIA
MARK S. SALOPEK
COMMISSIONED ENGINEER
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE
PARTITION TYPES

SHEET NUMBER
A111



1 FLOOR DIMENSION PLAN
3/16" = 1'-0"

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE (U.N.O) AS INDICATED WITH AN ASTERISK (*).
2. ALL DIMENSIONS NOTED TO BE FIELD VERIFIED ARE CRITICAL TO THE FLOOR PLAN LAYOUT. G.C. TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT WITH ANY DISCREPANCIES.

FLOOR DIMENSION PLAN LEGEND

R.O. ROUGH OPENING

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 027185
REGISTERED ARCHITECT
09/15/23

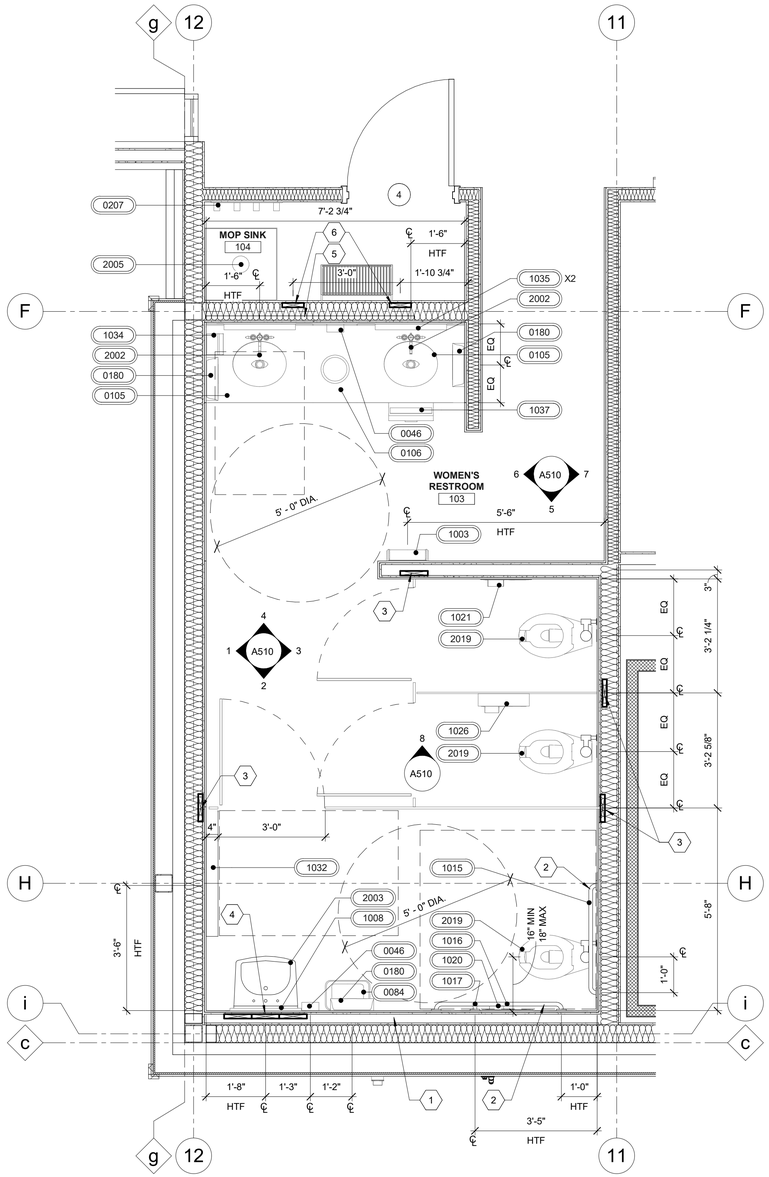
PROJECT NUMBER
2023157.20

SHEET TITLE

FLOOR DIMENSION PLAN

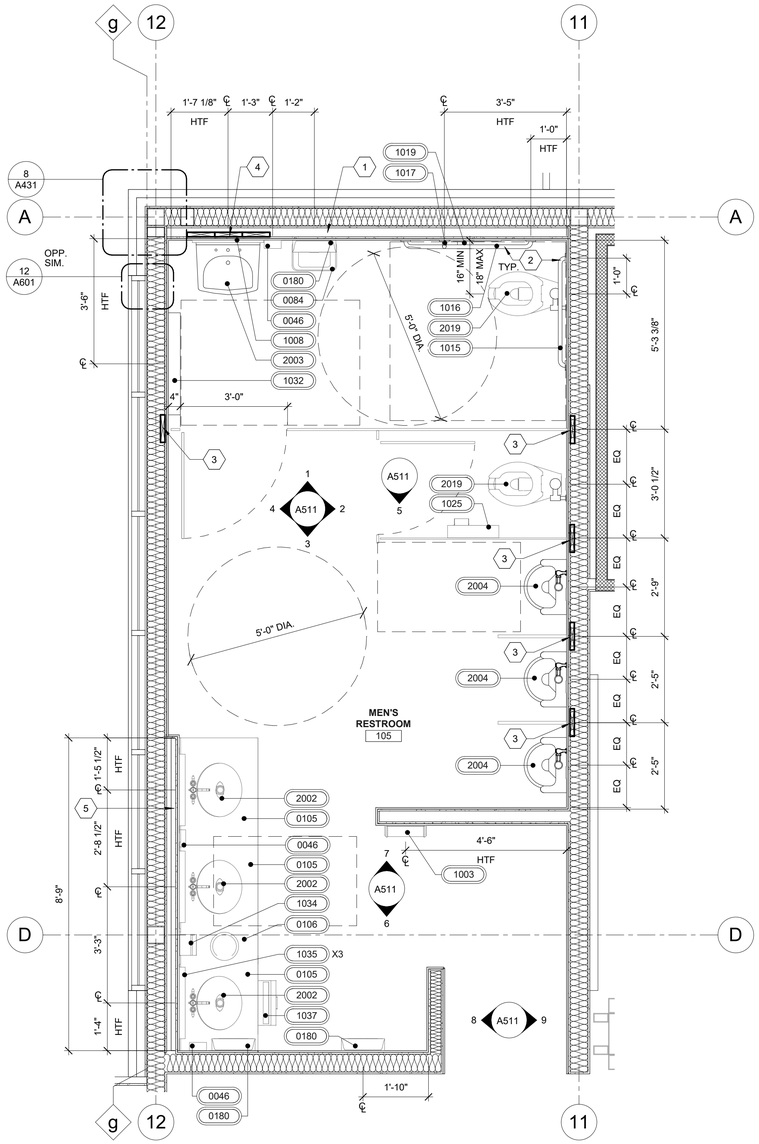
SHEET NUMBER

A120



2 FLOOR PLAN WOMENS RESTROOM

1/2" = 1'-0"



1 FLOOR PLAN MENS RESTROOM

1/2" = 1'-0"

GENERAL NOTES

1. ALL DIMENSIONS ARE TAKEN TO FACE OF FINISH UNLESS NOTED OTHERWISE.
2. WHEN INSTALLED AT THE LOCATIONS AND MOUNTING HEIGHT INDICATED, THE SPECIFIED FIXTURES PROVIDE FOR CLEAR SPACES, CLEARANCES AND MOUNTING HEIGHTS SHALL BE IN COMPLIANCE WITH APPLICABLE ACCESSIBILITY CODES.
3. INSTALL ACCESSORIES AND LIGHT FIXTURES WITH SCREWS OR BOLTS EXTENDING AT LEAST 1" INTO SOLID BLOCKING.
4. GREEN BOARD CEILING TYPICAL.
5. FOR TOILET ACCESSORIES, SEE EQUIPMENT SCHEDULE 1000 SERIES. FOR PLUMBING FIXTURES, SEE EQUIPMENT SCHEDULE 2000 SERIES.
6. INSTALL TILE TO HAVE A MAX. GROUT JOINT OF 1/8". SEE FINISH SCHEDULE A500 FOR COLORS.
7. PROVIDE BLOCKING BEHIND ALL ACCESSORIES.
8. TOILET STALL DOOR FRAME ASSEMBLY SHALL BE SECURED TO PARTITION WALL STRUCTURE. DOOR FRAME SHALL BE MOUNTED DIRECTLY TO 3-5/8" METAL STUD FRAMING FOR STRUCTURAL SUPPORT.
9. REFER TO ELEVATIONS 8/A510 FOR BABY CHANGING STATION INSTALLATION INSTRUCTIONS.
10. INSULATE P-TRAPS AND TAIL PIECES AND EXPOSED HOT WATER PIPES WITH PREMOLDED INSULATION WITH WHITE PVC FINISH.
11. SEE SECTIONS IN A400 SERIES FOR EXTERIOR WALL INFORMATION.

SHEET KEYNOTES

1	FUR OUT WALL WITH 3 5/8" METAL STUDS FLUSH WITH 6" PERIMETER STUDS TO ACCOMMODATE RESTROOM ACCESSORIES AND FIXTURES.
2	PROVIDE 2X10 BLOCKING FOR GRAB BARS. INSTALL PER MANUFACTURERS RECOMMENDATIONS. SEE A511 FOR HEIGHT.
3	PROVIDE 2X10 BLOCKING FOR PARTITION. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
4	PROVIDE 2X10 BLOCKING FOR ADA SINK. INSTALL PER MANUFACTURERS RECOMMENDATIONS
5	PROVIDE 2X10 BLOCKING FOR VANITY MILLWORK SO THE BOTTOM OF BLOCKING IS AT 28" AFF. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
6	PROVIDE 2X BLOCKING FROM 7'-0" TO 3'-0" FOR WALL SHELVING.

ENLARGED RESTROOM PLAN LEGEND

HTF HOLD TO FINISH

RaceTrac.

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 027185
REGISTERED ARCHITECT
09/15/23

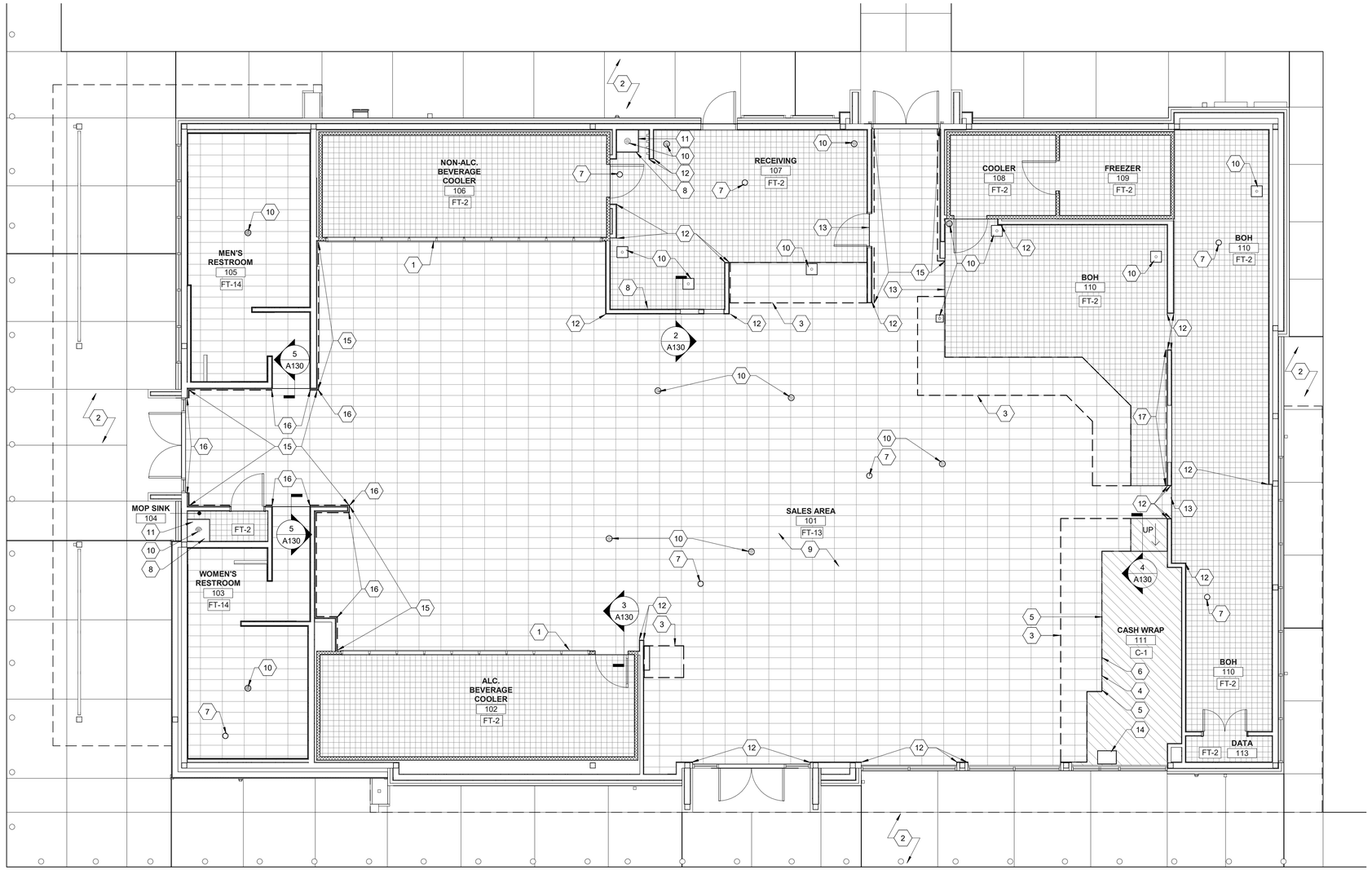
PROJECT NUMBER
2023157.20

SHEET TITLE

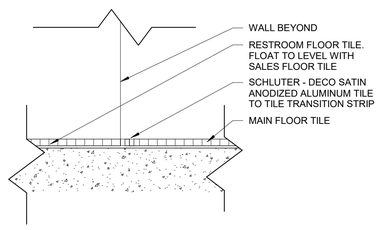
RESTROOM ENLARGED PLAN

SHEET NUMBER

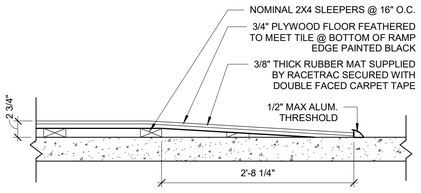
A123



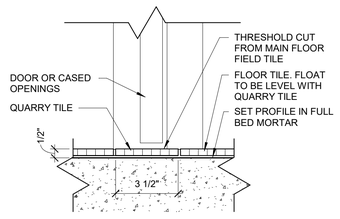
1 FLOOR FINISH PLAN
3/16" = 1'-0"



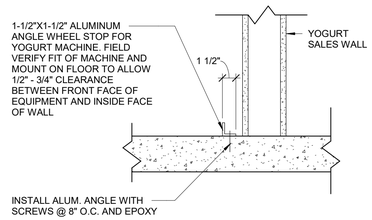
5 TILE THRESHOLD / TRANSITION
3" = 1'-0"



4 RAMP DETAIL
1" = 1'-0"



3 TILE TRANSITION DETAIL
3" = 1'-0"



2 WHEEL STOP DETAIL
1 1/2" = 1'-0"

GENERAL NOTES

1. REFER TO SITE PLAN FOR ORIENTATION OF BUILDING.
2. DO NOT SCALE PLANS.
3. ALL FINISH FLOOR ELEVATIONS TAKEN FROM TOP OF TILE.
4. ALL GYPSUM BOARD TO BE 5/8" THICK UNLESS OTHERWISE NOTED.
5. EXPOSED EDGES OF TILE TO BE BULLNOSED.
6. REFER TO WALL ELEVATIONS FOR ALL HEIGHTS.
7. ALL INTERIOR FINISHES SHALL BE A MINIMUM OF CLASS A OR B MAX. FLAME SPREAD 25-75. MAX SMOKE DEVELOPED 0-450.
8. TREAT ALL SLAB SAW CUTS AND COLD JOINTS WITH LATICRETE CRACK SUPPRESSION KIT. FOLLOW MANUFACTURES RECOMMENDED INSTALLATION PROCEDURES FOR FLOOR PREP FOR ALL FLOOR FINISHES.
9. INSTALLER TO DRAW FLOOR TILES FROM NOT LESS THAN (6) BOXES AT A TIME TO ENSURE UNIFORM COLOR DISTRIBUTION. DO NOT APPLY ANY TYPE OF POLYURETHANE, SEALER WAX TYPE OF FLOOR FINISH TO COMPLETED TILE WORK.
10. SEE COVER SHEET FOR TILE PURCHASING REQUIREMENTS.
11. REFERENCE SHEET A503 FOR FRP LAYOUTS.

SHEET KEYNOTES

1	FLOOR FINISH TO EXTEND TO FACE OF MILLWORK AND REFRIGERATION EQUIPMENT.
2	CONCRETE SIDEWALK WITH LIGHT BROOM FINISH (A100).
3	LINE OF MILLWORK.
4	CONSTRUCT WOOD PLATFORM AFTER COUNTER IS INSTALLED.
5	SALES FLOOR FINISH NOT TO EXTEND UNDER PLATFORM.
6	PROVIDE ACCESS IN WOOD PLATFORM FOR ELECTRICAL CONDUIT FROM FLOOR JUNCTION BOXES TO POINT OF TERMINATION IN SALES COUNTER.
7	FLOOR CLEAN OUT. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
8	ALUMINUM ANGLE WHEELSTOP AT YOGURT MACHINE AND MOP SINK. SEE DETAIL THIS SHEET.
9	PROVIDE COVE BASE AT SALE FLOOR UNLESS OTHERWISE NOTED.
10	FLOOR SINK/HUB DRAIN. SLOPE FLOOR TOWARDS DRAIN WHERE DRAIN OCCURS AT FLOOR TILE.
11	RECESSED MOP SINK. FLOOR FINISH TO MATCH SURROUNDING TILE. SEE DETAIL FOR TILE ASSEMBLY.
12	PROVIDE SCHLUTER CORNER GUARD 8'-0" HIGH DEFENDER SERIES 2340. 1" UNDRILLED WITH ADHESIVE.
13	FLOOR TRANSITION SEE DETAIL 3 THIS PAGE.
14	FLOOR SAFE PIT.
15	DASHED LINE INDICATES THE EXTENT OF WAINSCOT AND CHAIR RAIL. WAINSCOT AND CHAIR RAIL PROVIDED AND INSTALLED BY GC. SEE DETAIL FOR TILE ASSEMBLY.
16	PROVIDE SCHLUTER CORNER GUARD STRIP MODEL #RO 125 ATGB ROUND CORNER EDGE AT ALL CORNERS.
17	DASHED LINE INDICATES THE EXTENT OF WALL TILE. DO NOT WRAP THE WALL TILE AROUND THE CORNER.

FLOOR FINISH LEGEND

	FT-2	CONCRETE FLOOR W/ DALTILE 6"X6" QUARRY TILE. INSTALLED AT 90 DEGREES W/ 3/8" SPACING.
	FT-13	PORCELAIN TILE: DALTILE VOLUME 1.0 - STEREO GRAY. INSTALL W/ 3/16" SPACING. LAY TILE IN STRAIGHT STACKED PATTERN
	C-1	RAISED WOOD PLATFORM W/ ANTI-FATIGUE MAT. PAINT PLATFORM SURFACE BLACK (ANTI-FATIGUE MAT FURNISHED BY RACETRAC INSTALLED BY G.C.) SEE 6/A130 FOR CASH WRAP FLOOR.
	FT-14	PORCELAIN TILE: DALTILE VOLUME 1 - AMPLIFY BLACK. INSTALL W/ 3/16" SPACING. LAY TILE IN STRAIGHT STACKED PATTERN

REFER TO INTERIOR FINISH SCHEDULE ON A500 FOR FINISHES AND FINISH COLORS.

RaceTrac.
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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Certificate No. 040999
Registered Engineer
09/15/23

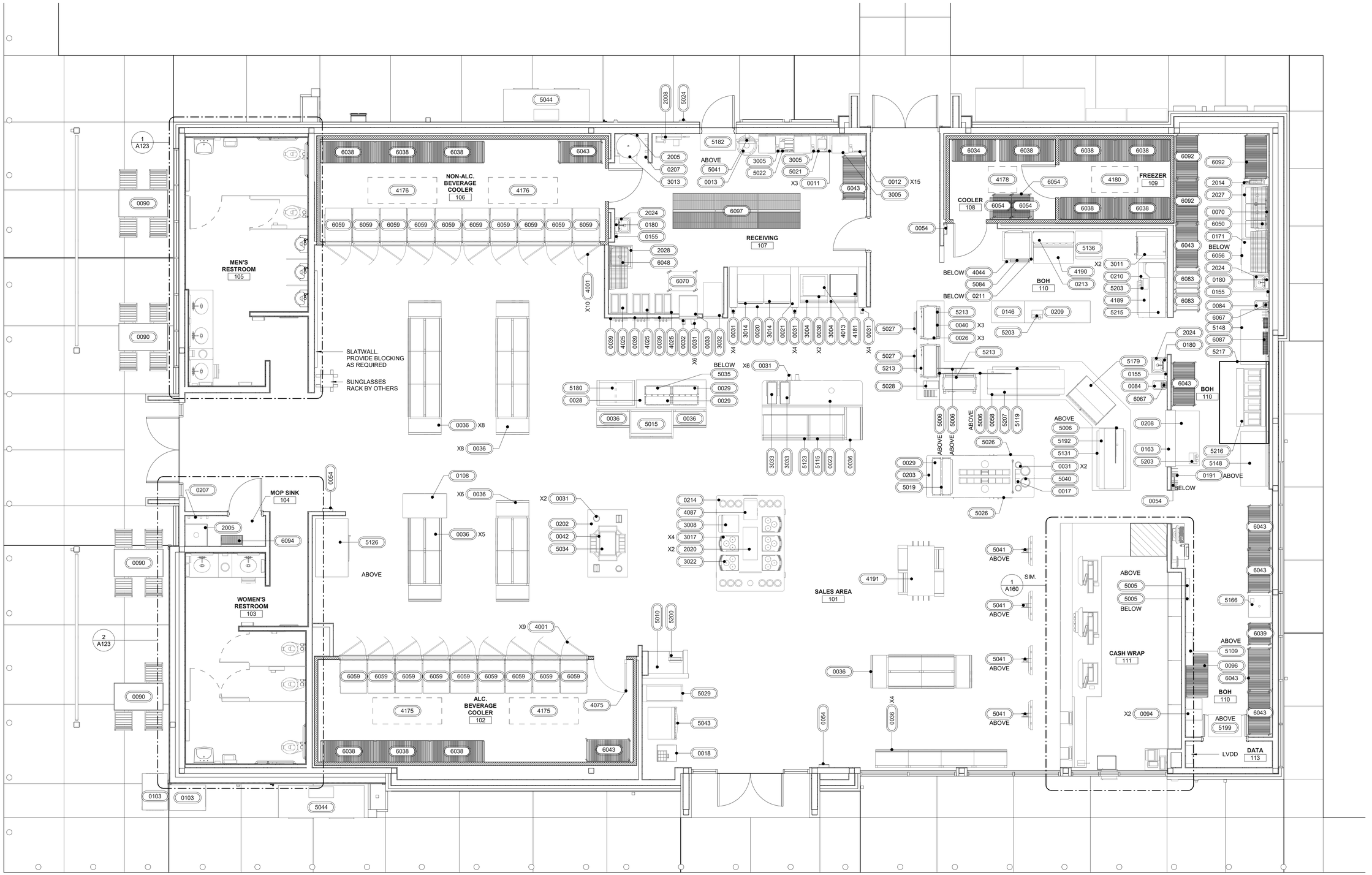
PROJECT NUMBER
2023157.20

SHEET TITLE

FLOOR FINISH PLAN

SHEET NUMBER

A130



1 FLOOR FIXTURE AND EQUIPMENT PLAN
1/4" = 1'-0"

RaceTrac.

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RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
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ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

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PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Registered Professional Engineer
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

FLOOR FIXTURE AND EQUIPMENT PLAN

SHEET NUMBER

A140

EQUIPMENT SCHEDULE

ITEM NO.	RISER TAG	QTY.	DESCRIPTION	FURN BY	INST BY	MANUFACTURER	MODEL	ARCHITECTURAL REMARKS
0000 SERIES – GENERAL EQUIPMENT AND MILLWORK								
0011	-	3	BAG-IN-BOX RACK W/ INCLINE SHELF	RT	VENDOR	GULF ICE	-	-
0012	-	15	SYRUP PUMP	RT	VENDOR	FLO-JET	N5000	-
0013	-	1	BULK CO2 (550 lb)	RT	VENDOR	NuCO2	BULK 550	CO2 ALARM BY CO2 VENDOR
0017	-	1	DOME LID DISPENSER	RT	RT	DISPENSE-RITE	CTLD-15	-
0018	-	1	LOTTERY CABINET	RT	VENDOR	MILLWORK	FAB	-
0020	-	1	FCB/F'REAL COUNTER W/ DRAINPAN	RT	VENDOR	MILLWORK	FAB	-
0021	-	1	BEVERAGE COUNTER W/ DRAIN PAN	RT	VENDOR	MILLWORK	FAB	-
0023	-	1	FOUNTAIN PREP COUNTER	RT	VENDOR	MILLWORK	FAB	-
0026	-	3	ROLLER GRILL SNEEZE GUARD	RT	VENDOR	MILLWORK	FAB	-
0028	-	1	YOGURT TOPPING BAR	RT	VENDOR	MILLWORK	FAB	-
0029	-	3	SNEEZE GUARD	RT	VENDOR	MILLWORK	FAB	-
0030	-	1	CASH WRAP	RT	VENDOR	WINDSOR FIXTURES	FAB	-
0031	-	29	CUP DISPENSER	RT	VENDOR	SAN JAMAR	C2410	-
0032	-	1	SAMPLE CUP DISPENSER	RT	VENDOR	SAN JAMAR	C2010	-
0033	-	1	YOGURT CABINET	RT	GC	MILLWORK	CUSTOM	-
0036		40	FLOOR GONDOLA AND SHELVING	RT	GC	ROYSTON	CUSTOM	
0038	-	2	STANDS FOR FOUNTAIN EQUIPMENT	RT	GC	RITEMADE	CUSTOM	-
0039	-	3	YOGURT FACE FRAMES	RT	GC	RITEMADE	CUSTOM	-
0040	-	3	ROLLER GRILL FRAME	RT	GC	RITEMADE	CUSTOM	-
0042	-	1	COFFEE CONDIMENT RACK	RT	GC	-	-	-
0046	-	5	SOAP DISPENSER	RT	GC	DEB	-	-
0054	-	4	FIRE EXTINGUISHER CABINET	GC	GC	AMBASSADOR	1017-F-10	-
0058	-	2	FOOD BAR		VENDOR	MILLWORK	CUSTOM	-
0066	-	1	IPAD WALL MOUNT	RT	GC			-
0067	-	1	PLASTIC BAG HOLDER	RT	GC	HILEX POLY CO.	7773033	-
0070	-	1	SINK SANITATION SYSTEM	RT	GC	DEMA	652AG DUO-FEED	-
0072		1	LOTTO TICKET TERMINAL AND PRINTER	GC	RT	ALTURA VISION	-	-
0073	-	1	PACKAGE PASSER	RT	GC	REDICO	CUSTOM	PAINTED DARK BRONZE
0074	-	1	LOTTERY TICKET SAFE	RT	GC	WILSON SAFE CO.	BC-2500	OUTSIDE DIMENSIONS 12.5Hx14.5Wx20.5D
0084	-	4	TRASH CAN	RT*	RT*	ULINE	S-9971GR	*(4) MILLWORKER PROVIDED AND INSTALLED
0090	-	4	EXTERIOR SEATING	RT	GC	BENCHMARK	CUSTOM	-
0093	-	1	FILING CABINET DESK	VENDOR	VENDOR	WINDSOR FIXTURES	CUSTOM	-
0094	-	2	6 DOOR LOCKER	RT	GC	SPG	EL/6/18	-
0096	-	1	4 SHELF SECURITY UNIT (24 x 48 x 72)	RT	VENDOR	AMCO	SU1316CP	-
0103	-	2	PROPANE CAGE	RT	VENDOR	PINNACLE	CUSTOM	CAGE COMES IN 12 AND 18 BUT WILL BE SITE SPECIFIC
0105	-	7	VANITY CABINET	RT	VENDOR	WINDSOR FIXTURES	CUSTOM	-
0106	-	2	RESTROOM TRASH CABINET	RT	VENDOR	WINDSOR FIXTURES	CUSTOM	-
0108	-	1	ELECTRONIC CABINET	RT	VENDOR	MILLWORK	CUSTOM	-
0109	-	1	LOTTERY TICKET SHROUD DISPLAY	RT	GC	ROYSTON	CUSTOM	-
0129	-	2	CIGARETTE PACK PUSHER	RT	GC	IMAGE WORKS	05002	-
0139	-	1	UNDER COUNTER LOTTERY TICKER DISPENSER	RT	GC	TAKE A TICKET	32 TICKET	-
0144	-	3	CASHWRAP SHROUD	RT	GC	NEW ENGLAND WIRE	RAC1008QA-1	-
0146	-	1	STAINLESS STEEL PREP TABLE (24X36 INCH)	RT	GC	DUKE	416S-2436-SP-157942	-
0155	-	3	SOAP DISPENSER	RT	GC	PURELL	FMX-20	-
0163	-	1	PASS THROUGH WINDOW	RT	GC	DUKE	510422-SP	-
0171	-	1	STAINLESS STEEL PREP TABLE (36 INCH)	RT	VENDOR	SPG	3GLSB-30-KD-I	-
0180	-	9	TOWEL DISPENSER (MOTION ACTIVATED)	RT	GC	TORK	552528	-
0187	-	1	EDO SCO	VENDOR	VENDOR	MILLWORK	CUSTOM	-
0191	-	1	UTENSIL HOOKS	RT	GC	SPG	HOOK24E	-
0202	-	1	COFFEE PREP BAR	RT	VENDOR	MILLWORK	FAB	-
0203	-	1	TOPPINGS CONDIMENTS BAR	RT	VENDOR	MILLWORK	FAB	-
0207	-	2	WALL MOUNTED MOP/BROOM HOLDER	RT	VENDOR	ULINE	H-2841	-
0208	-	1	STAINLESS STEEL TABLE	RT	VENDOR	MILLWORK	CUSTOM	-
0209	-	1	STAINLESS STEEL TABLE	RT	VENDOR	SPB	003262-02	-
0210	-	1	COMPONENT ASSEMBLY TABLE	RT	VENDOR	MILLWORK	CUSTOM	-
0211	-	1	STAINLESS STEEL TABLE	RT	VENDOR	SPB	003262-06	-
0213	-	1	PIZZA PREP TABLE OVERSHELF	RT	VENDOR	GREEN WORLD	TSOS-P4	-
0214	-	1	RECTANGULAR COFFEE PREP BAR	RT	VENDOR	MILLWORK	FAB	-
1000 SERIES – TOILET ACCESSORIES								
1003	-	2	HAND DRYER	RT	GC	BOBRICK	B-7128	-
1007	-	6	RESTROOM BARRIER	RT	GC	-	-	PROVIDE COAT HOOK: BRADLEY 932 DOUBLE ROBE HOOK, 626 FINISH, MOUNT AT 48 INCHES AFF. MATERIAL TO BE PHENOLIC 5107 BURNT STRAND
1008	-	2	24(INCH) X 36(INCH) MIRROR	RT	GC	-	-	-
1015	-	2	36(INCH) GRAB BAR	RT	GC	ASI	3700	-
1016	-	2	42(INCH) GRAB BAR	RT	GC	ASI	3700	-
1017	-	2	18(INCH) GRAB BAR	RT	GC	ASI	3700	-
1019	-	1	TOILET TISSUE/SEAT COVER	RT	GC	ASI	0485-R	-
1020	-	1	TOILET TISSUE/ SEAT COVER/ SANITARY NAPKIN DISPOSAL	RT	GC	ASI	0482	-
1021	-	1	TOILET TISSUE/ SEAT COVER/ SANITARY NAPKIN DISPOSAL	RT	GC	ASI	0482-R	-
1025	-	1	SURFACE MOUNTED SEAT COVER & TOILET PAPER DISPENSER	RT	GC	ASI	0486	-
1026	-	1	SURFACE MOUNTED SEAT COVER & TOILET PAPER DISPENSER WITH SANITARY DISPOSAL	RT	GC	ASI	0483-R	-
1032	-	2	DIAPER CHANGING STATION	RT	GC	FOUNDATIONS	100-EH 5210089	-
1033	-	2	HAND TOWEL DISPENSER	RT	GC	TORK	73TR	-
1034	-	2	DEGREASER DISPENSER	RT	GC	GOJO	PRO TDX 2000	-
1035	-	5	24(INCH) X 48(INCH) MIRROR	RT	VENDOR	SEURA	HALO DESIGN	-
1037	-	2	RETRACTABLE STEP STOOL	RT	VENDOR	KINDERSTEP	RAL 9005	-
2000 SERIES – BUILDING PLUMBING								
2002	LAV	5	VANITY SINKS	RT	GC	KOHLER	K-2611	FAUCET: ZURN Z6930-XL-F-CWB-TMV-1
2003	HLAV	2	LAVATORY FOR ACCESSIBLE STALLS (HARD WIRED FAUCET)	RT	GC	ZURN	Z5341	FAUCET: ZURN Z6930-XL-F-CWB-TMV-1
2004	UR	3	URINAL	RT	GC	ZURN	Z5755-U	FLUSH VALVE: ZURN ZEMS6003AV-ULF-VP
2005	MS	2	MOP SINK FAUCET	RT	GC	ZURN	Z1996-SF	PROVIDE FD-2 FOR MS
2008	WF	1	WATER FILTER SYSTEM	RT	GC	EVERPURE	ENDURANCE HIGH FLOW QUADRUPLE: EV9692-65	XC PLUS SYSTEM GC SHALL VERIFY REQUIRED WATER PRESSURE FOR WATER FILTER SYSTEM WITH FILTER MANUFACTURER AND PROVIDE BOOSTER PUMP AS REQUIRED
2014	HR	1	HOSE REEL	RT	GC	REELCRAFT	5635 OLPSW51LW2	-
2019	WC	5	WATER CLOSET	RT	GC	ZURN	Z5665-BWL WITH TOP SPUD AND Z5955SS-EL	FLUSH VALVE: ZURN ZEMS6000AV-WS1
2020	WF	2	BEAN TO CUP WATER FILTER	RT	GC	3M	HF40-S	CUNO MODEL #6213003 FILTER PROVIDED BY RT
2024	HS	3	HAND SINK	RT	GC	SPG	EHS-1RL	-
2027	SK3	1	THREE COMPARTMENT SINK	RT	GC	SPG	SKS-003030-01	T&S BRASS B231 FAUCET AND T&S BRASS B-0133-B SPRAYER
2028	SK1	1	ONE COMPARTMENT SINK	RT	GC	SPG	1N-20-20	T&S BRASS B231 FAUCET.
3000 SERIES – ELECTRICAL EQUIPMENT WITH PLUMBING								
3004	-	2	10 HEAD SODA FOUNTAIN	RT	VENDOR	CORNELIUS	ENDURO 200	-
3005		3	POST MIX SODA SYSTEM	RT	VENDOR	CORNELIUS	UCC-40	-
3008	-	1	CAPPUCCINO DISPENCER - 5 HEAD	RT	GC	BUNN	IMIX-5	-
3011		2	COMBI OVEN STEAMER	RT	GC	CLEVELAND	MINI OES 6.10	WATER LINE TO FIT STANDARD 3/4 INCH GARDEN HOSE THREADED CONNECTOR ON STREAMER
3013	EWH	1	WATER HEATER (50 GAL - SHORT)	RT	GC	RHEEM	ES50-18-G	-
3014	-	2	FCB VIPER (FROZEN CARBONATED BEVERAGE)	RT	VENDOR	FBD	774	GC PROVIDES 3/4 INCH (CU) W/BALL VALVE - FILTERED NEMA L6-30R. FIXTURE TO HAVE BASE CART 12-2899-0001
3017	-	4	BEAN TO CUP COFFEE MACHINE	RT	GC	SCHAERER	ART C TOUCH 3G	-
3022	-	1	BEAN TO CUP COFFEE MACHINE	RT	GC	SCHAERER	ART C TOUCH	-
3032	-	1	FRESH BLENDER	RT	VENDOR	MULTIPLEX	FRESH BLENDS	-
3033		2	TEA BREWER	RT	VENDOR	BUNN	ITB DUAL DILUTION	-
4000 SERIES – REFRIGERATION								
4001	-	19	COOLER #1 DISPLAY DOOR	RT	GC	ANTHONY	INFINITY	HANDLES
4013	-	1	ICE MAKER (CRUSHED/NUGGET)	RT	VENDOR	ICE-O-MATIC	GEM0956R	-
4025	-	3	FROZEN YOGURT DISPENSER	RT	GC	STOELTING	F231-AD1	FLEXIBLE PIPING AND MANIFOLD BY VENDOR
4044	-	1	UNDERCOUNTER FREEZER	RT	VENDOR	TURBO AIR	MUF-28	
4075	-	1	BEER CAVE VAULT DOOR - BREAKAWAY	RT	GC	ANTHONY	INFINITY	FROSTING & SIGNAGE BY OTHERS
4087	-	1	ICE MACHINE/DISPENSER	RT	GC	FOLLETT	15CI100A-NW-NF-ST-00	-
4131	-	1	YOGURT MACHINES CHILLER - PAK	RT	GC	AIRDYNE	C20AR448A	-
4174	-	2	NON-ALCH COOLER CONDENSER	RT	GC	BOHN	BCH0030MCACZA0400	-
4175	-	2	BEER COOLER EVAPORATOR	RT	GC	BOHN	BEC0120BS6EMA	-
4176	-	2	NON-ALC. COOLER EVAPORATOR	RT	GC	BOHN	BEC0175AS7AMAB0200	-
4177	-	1	BEER COOLER CONDENSER	RT	GC	BOHN	BCH0008MCACZA0400	-
4178	-	1	WALK-IN COOLER EVAPORATOR	RT	GC	BOHN	BEC0065AS7AMAB0200	-
4179	-	1	FREEZER CONDENSER	RT	GC	BOHN	BCH0035LCACZA0400	-

EQUIPMENT SCHEDULE

ITEM NO.	RISER TAG	QTY.	DESCRIPTION	FURN BY	INST BY	MANUFACTURER	MODEL	ARCHITECTURAL REMARKS
4180	-	1	FREEZER EVAPORATOR	RT	GC	BOHN	BEC0075BS6EMAB0200	-
4181	-	1	ICE MAKER (CUBER)	RT	VENDOR	ICE-O-MATIC	CIMO836R	-
4182	-	1	ICE MAKER REMOTE CONDENSER (CUBER)	RT	VENDOR	ICE-O-MATIC	RCA2061	SERVES 4181 UNITS
4183	-	1	ICE MAKER REMOTE CONDENSER (NUGGET)	RT	VENDOR	ICE-O-MATIC	RGA1061-HM	SERVES 4013 UNITS
4189	-	1	UNDERCOUNTER REFRIGERATOR	RT	VENDOR	TURBO AIR	MUR-36-N6	-
4190	-	1	PIZZA PREP TABLE	RT	VENDOR	TURBO AIR	TPR-44SD-D2-N	-
4191	-	1	4-WAY AMBIENT COOLER	RT	VENDOR	MILLWORK	CUSTOM	-
5000 SERIES – ELECTRIC EQUIPMENT WITHOUT PLUMBING								
5001	-	1	COIN SAFE	RT	GC	TIDEL	TUBE VEND	-
5002	-	1	INTERCOM ESCO	RT	GC	ESCO	TMK-3112	-
5003	-	1	COMPUTER SYSTEM	RT	RT	-	-	-
5004	-	1	FAX/PRINTER	RT	RT	-	-	-
5005	-	2	TANK MONITOR	RT	GC	VEEDER-ROOT	TLS-350 PLUS	-
5006	-	6	46 INCH COMMERCIAL DISPLAY	RT	RT	AT&T	-	-
5007	-	1	BILL SAFE	RT	GC	TIDEL	SERIES 4	-
5008	-	3	CASH DRAWER	RT	GC	APG	-	POWERED BY UPS
5009	-	3	POINT OF SALE TERMINAL	RT	RT	RADIANT	P1560	POWERED BY UPS
5010		6	POINT OF SALE SCANNER	RT	RT	MOTOROLA	DS9808	POWERED BY UPS
5011		3	POINT OF SALE PRINTER	RT	RT	BIXOLON	SRP-350PLUSII	POWERED BY UPS
5012	-	3	UPS POWER SUPPLY	RT	GC	ONEAC	ONE254AG-SE	-
5015		1	PASTRY CASE	RT	GC	ROYSTON	48(INCH) CUSTOM	-
5016	-	4	CIGARETTE MERCHANDISER	RT	VENDOR	IMAGEWORKS	CUSTOM	SLIDERS TO BE USED
5019		1	COLD PANS (8 PANS, HOT DOG ISLAND)	RT	GC	DELFIELD	N8100NB-SPL	-
5021	-	1	BEVERAGE AIR CENTER	RT	VENDOR	TAPRITE-FASSCO	CB-100W	FLOOR MOUNTED
5022	-	1	WATER BOOSTER	RT	VENDOR	McCANN'S	16-2170	FLOOR MOUNTED
5024	-	2	INTERCOM CALL BOX	RT	GC	ESCO	SPK-1003	-
5026	-	2	MICROWAVE OVEN	RT	GC	PANASONIC	NE/1258	-
5027	-	2	BUN WARMER	RT	GC	VULCAN	VW 1S	UNDERCOUNTER
5028	-	1	CHILI / CHEESE W/ CHIP RACK	RT	GC	GEHLS	DUAL-DIP	W/ 5 TIER CHIP RACK
5029	-	1	AUTOMATED TELLER MACHINE (ATM)	RT	GC	NCR	SELFSERV 22	-
5034	-	1	COLD PAN (COFFEE PREP)	RT	GC	DELFIELD	N8118B	-
5035	-	1	YOGURT COLDPAN	RT	GC	DELFIELD	N8130B	-
5039		9	VARIABLE FREQUENCY CONTROLLER	RT	GC	FE PETRO	MAGVFC	-
5040	-	2	FOOD WARMER BOILED PEANUTS	RT	GC	WELLS MANUFACTURING	SS-10	-
5041		5	SECURITY MONITORS	RT	GC	SAMSUNG		
5042		3	UNITIZED PANEL SYSTEM	RT	GC	SCHNEIDER-ELECTRIC		-
5043	-	1	INSTANT TICKET VENDING MACHINE (GA)	RT	GC	-	-	-
5044	-	2	ICE MERCHANDISER	VENDOR	VENDOR	REDDY ICE	-	-
5055	-	3	POWER CONVERTER	RT	GC		P60000-HW6	-
5074		3	POS BATTERY BACKUP	RT	GC	GTS	ABCEG251-11	-
5084	-	1	DOUBLE BATCH PIZZA OVEN	RT	GC	TURBOCHEF	HHD-9500-1	-
5093	-	1	IPAD	RT	GC	APPLE		
5098		3	PANIC BUTTON	RT	RT	HUB	HUB2SA	-
5099		1	MONEYGRAM	RT	GC	-	-	-
5101		1	EMERGENCY FUEL SHUTOFF	RT	RT	-	EM04C	-
5109	-	1	BIO BLENDING SYSTEM	RT	GC	JUNGE	-	-
5115		1	IMPULSE COOLER	RT	GC	TURBO AIR	TOM-40M(B)	-
5119	-	1	BUILT-IN HEATED SHELF	RT	GC	HATCO	GRSBF-72-O	-
5123		1	VERTICAL OPEN DISPLAY CASE	RT	GC	TURBO AIR	TOM-50M(B)	-
5126	-	1	ICE MERCHANDISER	VENDOR	VENDOR	LEER	MODEL 65	-
5131	-	1	BUILT-IN HEATED SHELF	RT	GC	HATCO	GRSBF-60-O	-
5136		1	SOLID DOOR FREEZER	RT	GC	TURBO AIR	M3F24-1-N	-
5148	-	2	WORKTOP FREEZER	RT	GC	TURBO AIR	TWF-60SD-N	-
5155	-	2	COMDATA SMART SOLUTIONS	RT	RT	COMDATA	SMARTDESQ	POWERED BY UPS
5162		1	AIR COMPRESSOR	RT	GC	CHAMPION	VR7F-8	
5166	-	1	WASTE OIL CONTAINMENT TANK	RT	GC	FRONTLINE INTERNATIONAL	2478SQ-NA	-
5179	-	1	OPEN HOT FOOD DISPLAY CASE	RT	GC	VENDO	DOUBLE SHELF HFOD42	-
5180	-	1	CURVED ICE CREAM FREEZER	RT	GC	EXCELLENCE INDUSTRIES	VB-4HC	-
5182	-	1	AMBIENT AIR CURTAIN	RT	GC	BERNER	IDC12-1036A	-
5192	-	1	DUAL INFRARED ALUM. STRIP HEATER WITH LIGHTS	RT	GC	HATCO	GRAHL-66D	-
5199	-	1	WALLMOUNTED RACK ENCLOSURE CABINET-SERVER	RT	VENDOR	SCHNEIDER ELECTRIC	WALLMOUNT	-
5200	-	1	FASTLANE SELFSERV CHECKOUT	RT	RT	NCR	R6L PLUS	
5203		3	FOOD LABEL PRINTER	RT	GC	AVERY DENNISON	MO941BEF02 - 9418	-
5207	-	1	DUAL INFRARED ALUM. STRIP HEATER WITH LIGHTS	RT	GC	HATCO	GRAHL-84D	-
5213	-	3	ROLLER GRILL	RT	GC	NEMCO	8250SX-SLT	-
5215		1	HOLDING CABINET	RT	GC	DUKE	RFHU-35M-208H201T1NL006RT	-
5216		1	EVOLUTION ELITE OPEN FRYERS	RT	GC	HENNY PENNY	EEE 144 4-WELL ELECTRIC	-
5217		1	HOOD	RT	GC	K-TECH	PK-ND-2 Q-SB-F	
5223	-	2	FASTLANE SELFSERV CHECKOUT	RT	RT	HP	ENGAGE ONE PRO ALL-IN-ONE SYSTEM	
6000 SERIES – STORAGE SHELVING								
6034	-	1	STORAGE SHELVING (24 x 48 x 72)	RT	VENDOR	SPG	SUS5T2448	-
6038	-	11	STORAGE SHELVING (24 x 60 x 72)	RT	VENDOR	SPG	SUS5T2460	-
6039	-	1	STORAGE SHELVING (24 x 24 x 78)	RT	VENDOR	SPG	SUM4T2424	-
6043	-	13	STORAGE SHELVING (24 x 48 x 78)	RT	VENDOR	SPG	SUM4T2448	-
6048	-	1	WALL TRAX WIRE WALL SHELVING (24 X 48)	RT	VENDOR	SPG	TRAXSWS2448	-
6050	-	1	GRID WALL SHELVING 3 COMP SINK (36 X 96)	RT	VENDOR	SPG	WST1778E	-
6054	-	2	STORAGE SHELVING (20 x 26 x 70)	RT	VENDOR	SPG	4H0981	-
6056	-	1	UNDERCOUNTER CHEMICAL STORAGE RACK (18x30)	RT	GC	SPG	UCRACK1830	-
6059	-	19	SODA/BEER SHELVING 30x36	RT	GC	BOF	VERSA ROLL	-
6067	-	2	GLOVE/HAIR NET HOLDER	RT	VENDER	SPG	GBH359-344E	-
6070	-	1	ROLLING TRAY CART WITH STAINLESS TOP	RT	VENDOR	SPG	MTR21277C	-
6083	-	2	BREAD RACK	RT	VENDOR	SPG	4H7231	-
6087	-	1	36x48 WALL GRID KIT FOR FRIED CHICKEN	RT	VENDOR	SPG	WST1876E	-
6092	-	3	STORAGE SHELVING (24 x 48 x 78)	RT	VENDOR	SPG	SUM7T2448	-
6094	-	1	STORAGE SHELVING	RT	VENDOR	SPG	(2) MXD36GR (3) MX1224GR	-
6096	-	1	STORAGE SHELVING	RT	VENDOR	SPG	EFC COOLER CORRAL	-
6097	-	1	STORAGE SHELVING	RT	VENDOR	SPG	FREESTYLE STARTER & ADDON UNIT	-

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

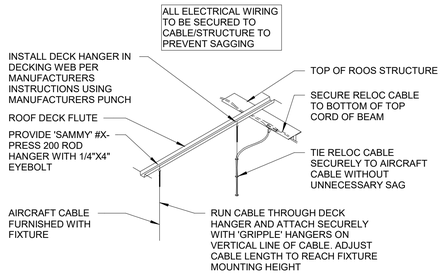
PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Georgia certificate no. 035705
Registered Professional Engineer
09/15/23

PROJECT NUMBER
2023157.20

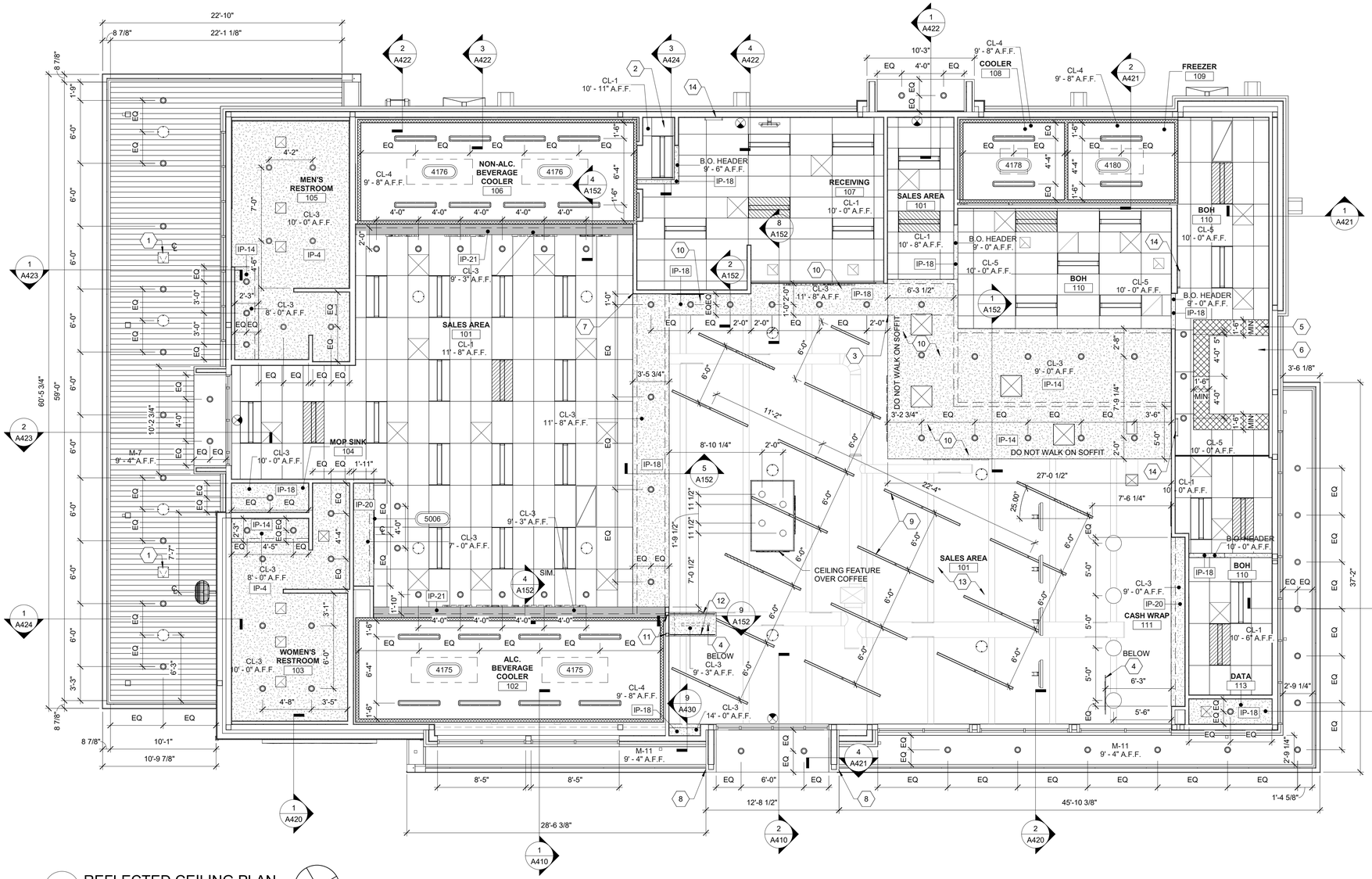
SHEET TITLE
EQUIPMENT SCHEDULE

SHEET NUMBER
A141



2 LIGHT SUPPORT DETAIL

1 1/2" = 1'-0"



1 REFLECTED CEILING PLAN

3/16" = 1'-0"

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS NOTED OTHERWISE.
2. REFER TO SHEET A500 FOR INTERIOR FINISH LEGEND.
3. REFER TO ELECTRICAL SHEETS FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO MECHANICAL SHEETS FOR DIFFUSER SCHEDULE.
5. REFER TO WALL SECTIONS FOR SOFFIT CONSTRUCTION. ALL SOFFITS SHALL BE CONSTRUCTED OF ARMSTRONG DRYWALL CEILING GRIDS UNLESS OTHERWISE INDICATED.
6. ALL WALL WASHERS TO BE DIRECTED TOWARD THE NEAREST WALL PER THE MANUFACTURER'S RECOMMENDATION AND SPECIFICATION TO ENSURE PROPER PERFORMANCE OF WALL WASH OPTIC.
7. REFERENCE SHEET A500 FOR CEILING FINISH SCHEDULE.

SHEET KEYNOTES

1	12X12 ACCESS PANEL WITH POWDER COAT TO MATCH SOFFIT
2	RAISED CEILING AREA FOR WATER HEATER.
3	REFER TO ISOMETRIC DETAIL 6/A152.
4	MARKETING BY RACETRAC.
5	HATCHED AREA INDICATES LOCATION OF STAINLESS STEEL PANELS IN LIEU OF CEILING TILES. EXTEND A MINIMUM OF 18" BEYOND EDGE OF THE HOOD. PROVIDED AND INSTALLED BY GC.
6	LOCATION OF HOOD. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
7	REFER TO ISOMETRIC DETAIL 7/A152.
8	ACM AT PORTAL / CANOPY TRANSITION TO FOLLOW THE PROFILE OF CANOPY FASCIA.
9	REFER TO DETAIL 2 ON THIS SHEET FOR LIGHT FIXTURE SUPPORT, TYP.
10	PROVIDE GRAPHICS ON THE SOFFIT INDICATING "DO NOT WALK ON THE SURFACE OF SOFFIT".
11	HSS3-1/2x3-1/2x1/4 HANGER. REFERENCE 5/S201 FOR HANGER DETAILS.
12	HSS6x2x1/4 BEAM. REFERENCE 5/S201 FOR ATTACHMENT TO HANGER.
13	PAINT DECK, BEAMS, DUCT WORK AND ALL FIXTURE SUPPORTS IP-19. REFERENCE SHEET A501 FOR ADDITIONAL INFORMATION.
14	FLY LIGHT BY VENDOR. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.

REFLECTED CEILING PLAN LEGEND

- EXTERIOR LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- 6" RECESSED CAN LIGHT; REFER TO ELECTRICAL LIGHTING SCHEDULE FOR SPECIFIC MODEL
- PENDANT LIGHT; REFER TO ELECTRICAL LIGHTING SCHEDULE FOR SPECIFIC MODEL
- EXIT SIGN
- EXTERIOR WALL MOUNTED FAN
- SPEAKER
- SLOT DIFFUSER
- 2x2 CEILING DIFFUSER
- 2x2 RETURN AIR GRILLE
- 2x4 RETURN AIR GRILLE
- RESTROOM DIFFUSER
- RESTROOM EXHAUST
- ACOUSTICAL CEILING TILE
- GYPSUM WALL BOARD CEILING
- EXTERIOR SOFFIT CEILING MATERIAL
- WALL COVERING

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DESIGN PROFESSIONALS

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Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

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200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 035777
REGISTERED ARCHITECT
09/15/23

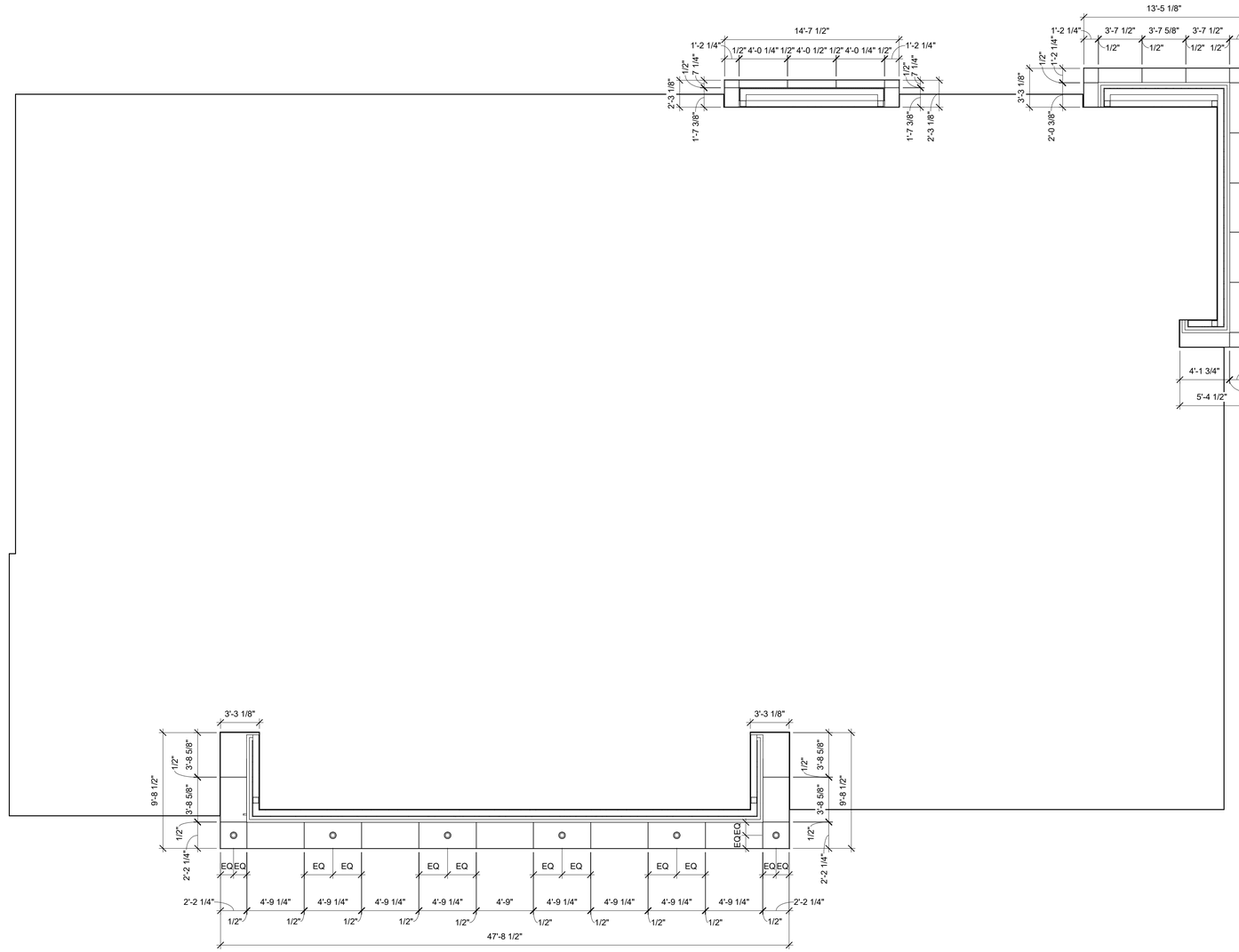
PROJECT NUMBER
2023157.20

SHEET TITLE

REFLECTED CEILING PLAN AND DETAILS

SHEET NUMBER

A150



1 TOWERS REFLECTED CEILING PLAN
3/16" = 1'-0"

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS NOTED OTHERWISE.
2. REFER TO SHEET A500 FOR INTERIOR FINISH LEGEND.
3. REFER TO ELECTRICAL SHEETS FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO MECHANICAL SHEETS FOR DIFFUSER SCHEDULE.
5. REFER TO WALL SECTIONS FOR SOFFIT CONSTRUCTION. ALL SOFFITS SHALL BE CONSTRUCTED OF ARMSTRONG DRYWALL CEILING GRIDS UNLESS OTHERWISE INDICATED.

SHEET KEYNOTES

REFLECTED CEILING PLAN LEGEND

○	6" RECESSED CAN LIGHT; REFER TO ELECTRICAL LIGHTING SCHEDULE FOR SPECIFIC MODEL

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

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PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 027183
REGISTERED ARCHITECT
09/15/23

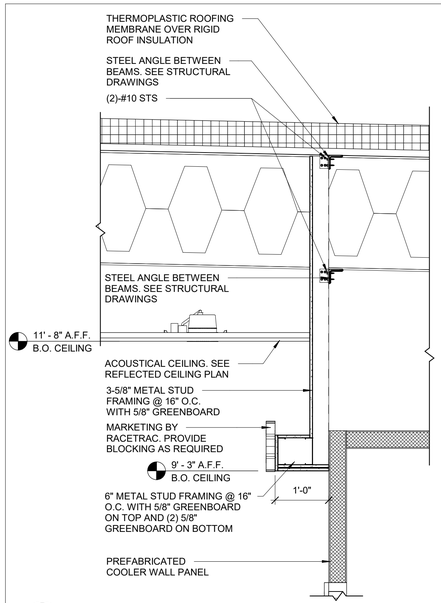
PROJECT NUMBER
2023157.20

SHEET TITLE

TOWER REFLECTED CEILING PLAN AND DETAILS

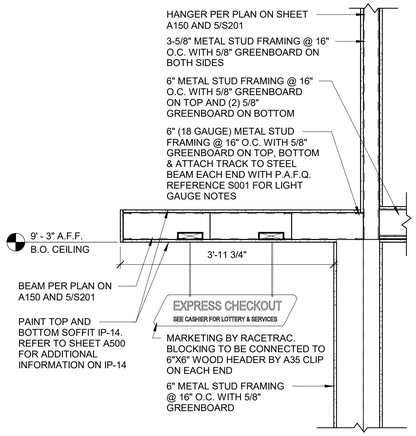
SHEET NUMBER

A151



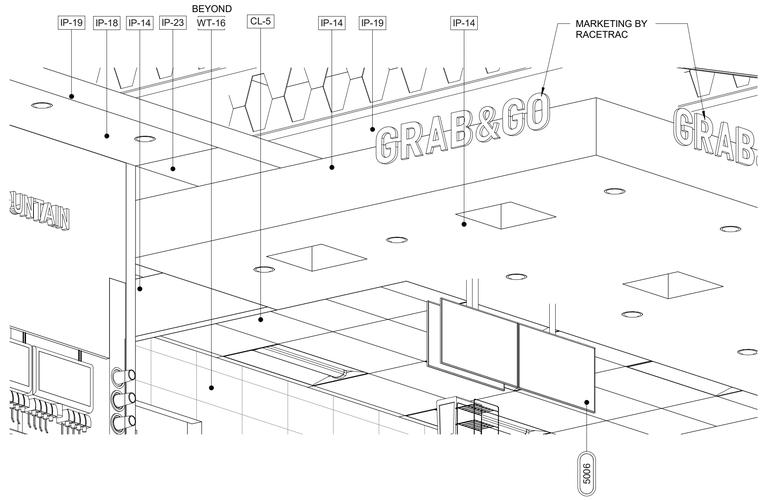
4 SOFFIT SECTION AT BEVERAGE COOLER

3/4" = 1'-0"

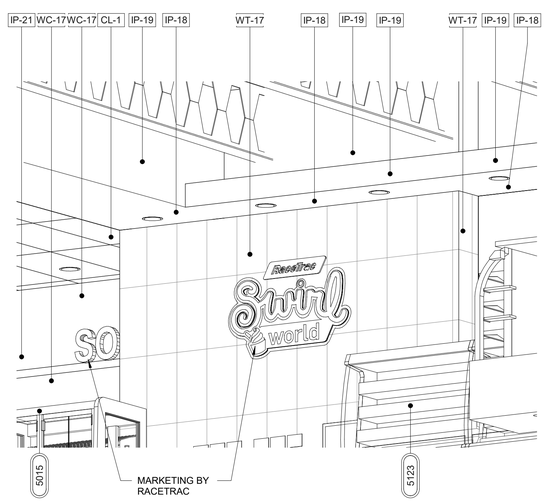


9 SOFFIT AT SELF-CHECKOUT

3/4" = 1'-0"

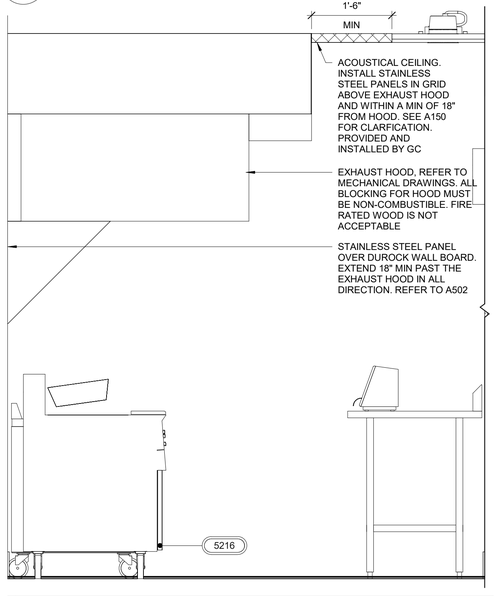


6 SOFFIT TERMINATION AT FOOD AREA



7 SOFFIT TERMINATION AT HEADER

3/4" = 1'-0"

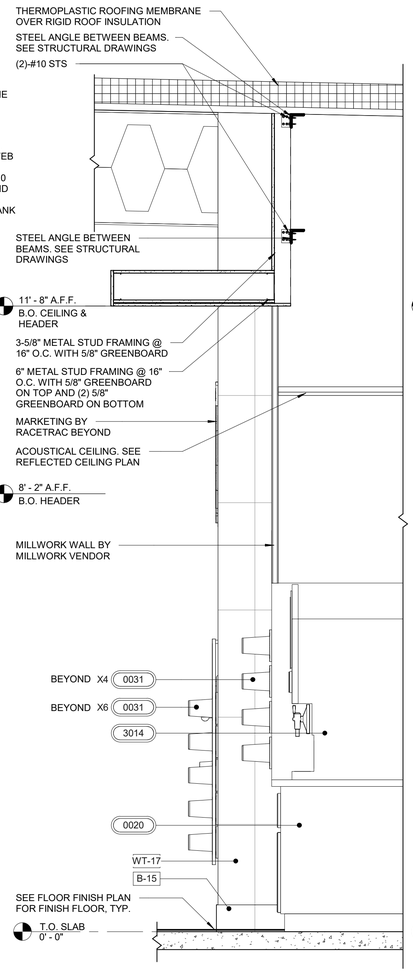


5 SOFFIT SECTION AT HEADER

3/4" = 1'-0"

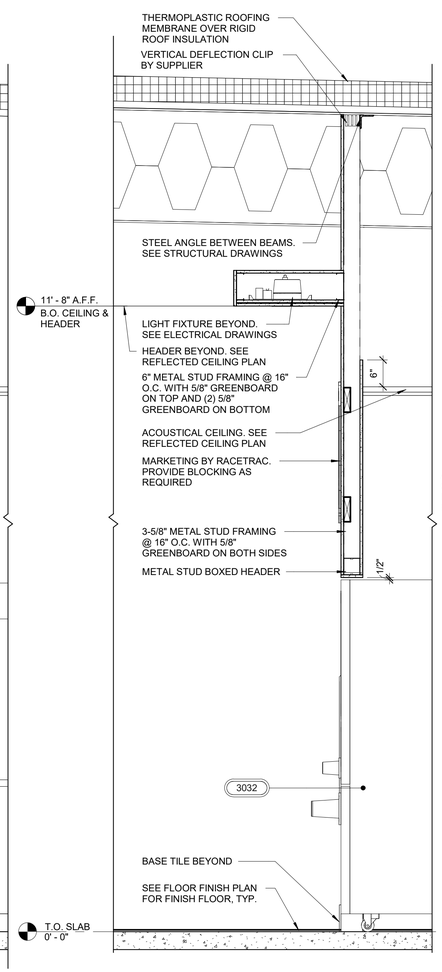
3 DETAIL AT HOOD

3/4" = 1'-0"



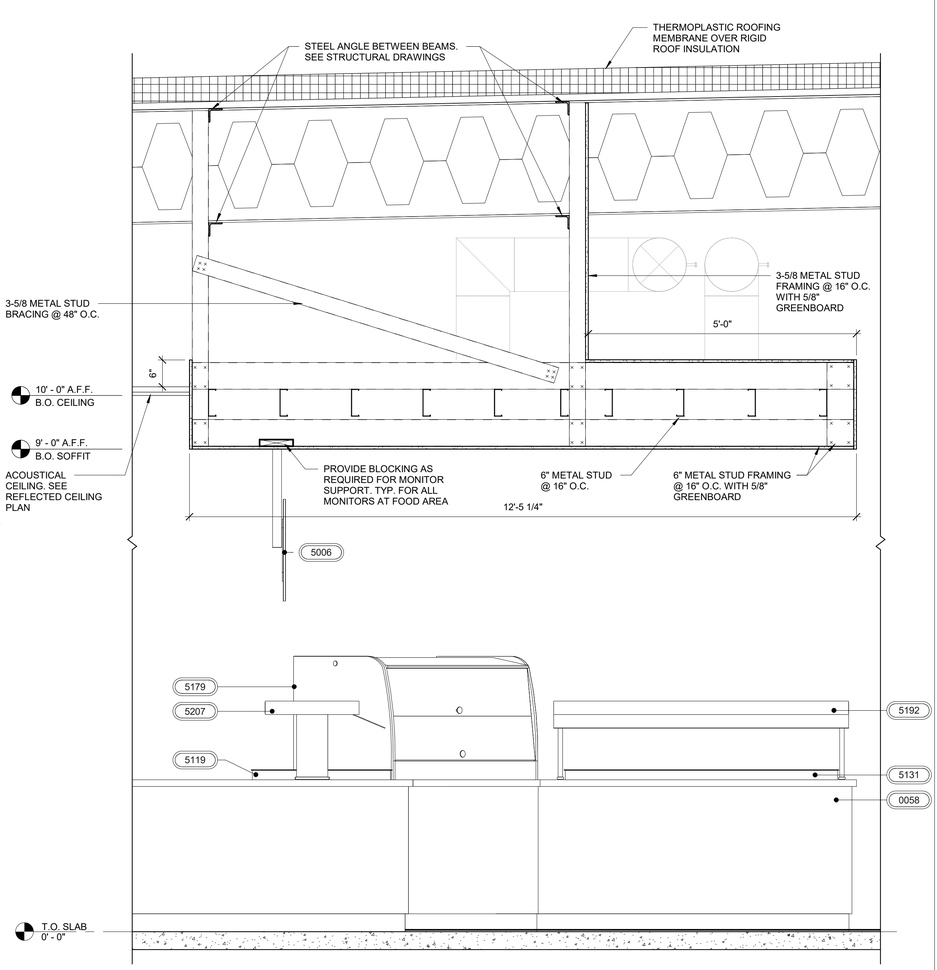
8 SOFFIT SECTION AT FOUNTAIN

3/4" = 1'-0"



2 SOFFIT SECTION AT YOGURT

3/4" = 1'-0"



1 SOFFIT SECTION AT FOOD BAR

3/4" = 1'-0"

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

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RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 029995
REGISTERED ARCHITECT
09/15/23

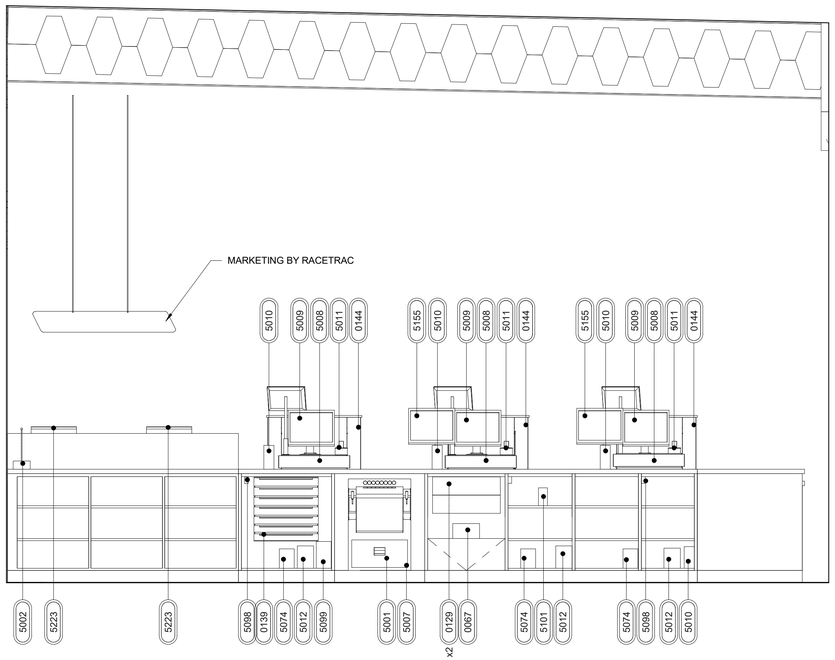
PROJECT NUMBER
2023157.20

SHEET TITLE

INTERIOR CEILING DETAILS

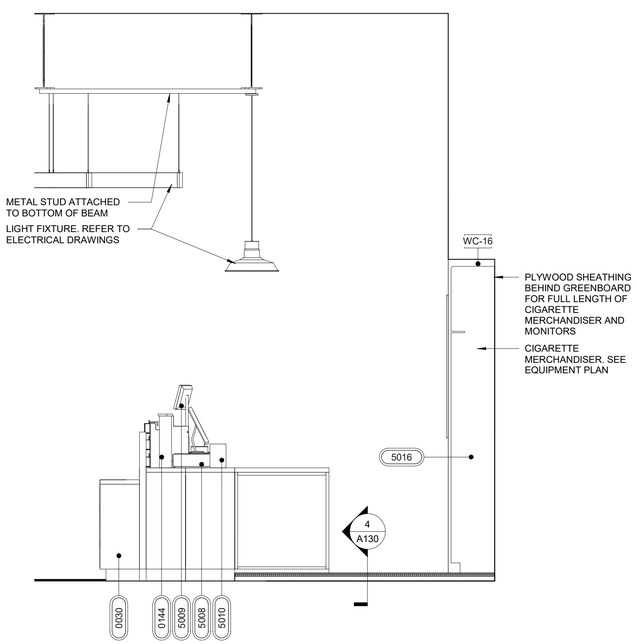
SHEET NUMBER

A152



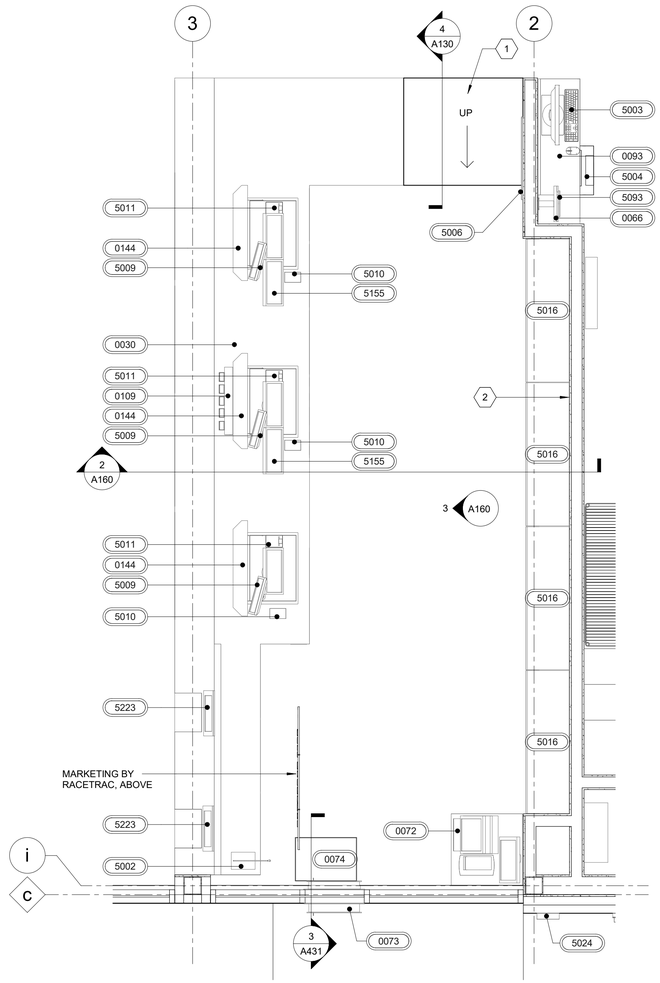
3 CASH WRAP ELEVATION

1/2" = 1'-0"



2 SECTION BEHIND CASH WRAP

1/2" = 1'-0"



1 ENLARGED CASH WRAP PLAN

1/2" = 1'-0"

GENERAL NOTES

1. DO NOT SCALE PLANS

SHEET KEYNOTES

1	RAMP TO RAISED PLATFORM. REFER TO DETAIL 4 ON SHEET A130
2	PLYWOOD SHEATHING BEHIND GREENBOARD FOR FULL LENGTH OF CIGARETTE MERCHANDISER AND MONITORS.

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DESIGN PROFESSIONALS

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Professional Corporation
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GA 30642
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RACETRAC STORE NUMBER

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PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Certificate No. 029857
Registered Architect
09/15/23

PROJECT NUMBER

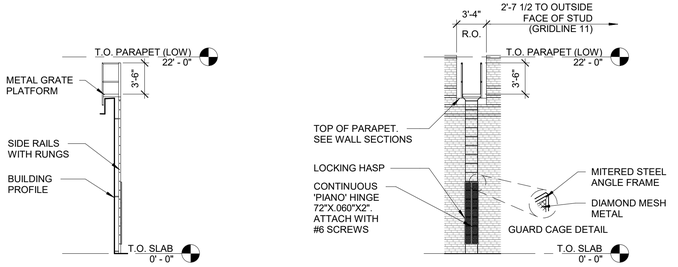
2023157.20

SHEET TITLE

ENLARGED CASH WRAP AND DETAILS

SHEET NUMBER

A160



3 ROOF ACCESS LADDER
1/8" = 1'-0"

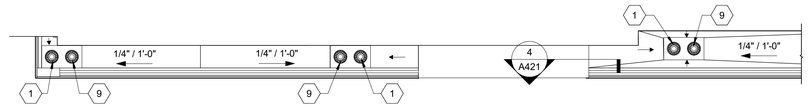
PAINT LADDER, CAGE, BRACKETS AND OTHER MISCELLANEOUS METALS WITH ONE SHOP PRIM COAT AND TWO FINISH COATS. COLOR TO BE SELECTED BY RACETRAC.

SUBMIT STEEL LADDER SHOP DRAWINGS FOR ARCHITECT'S APPROVAL PRIOR TO FABRICATION.

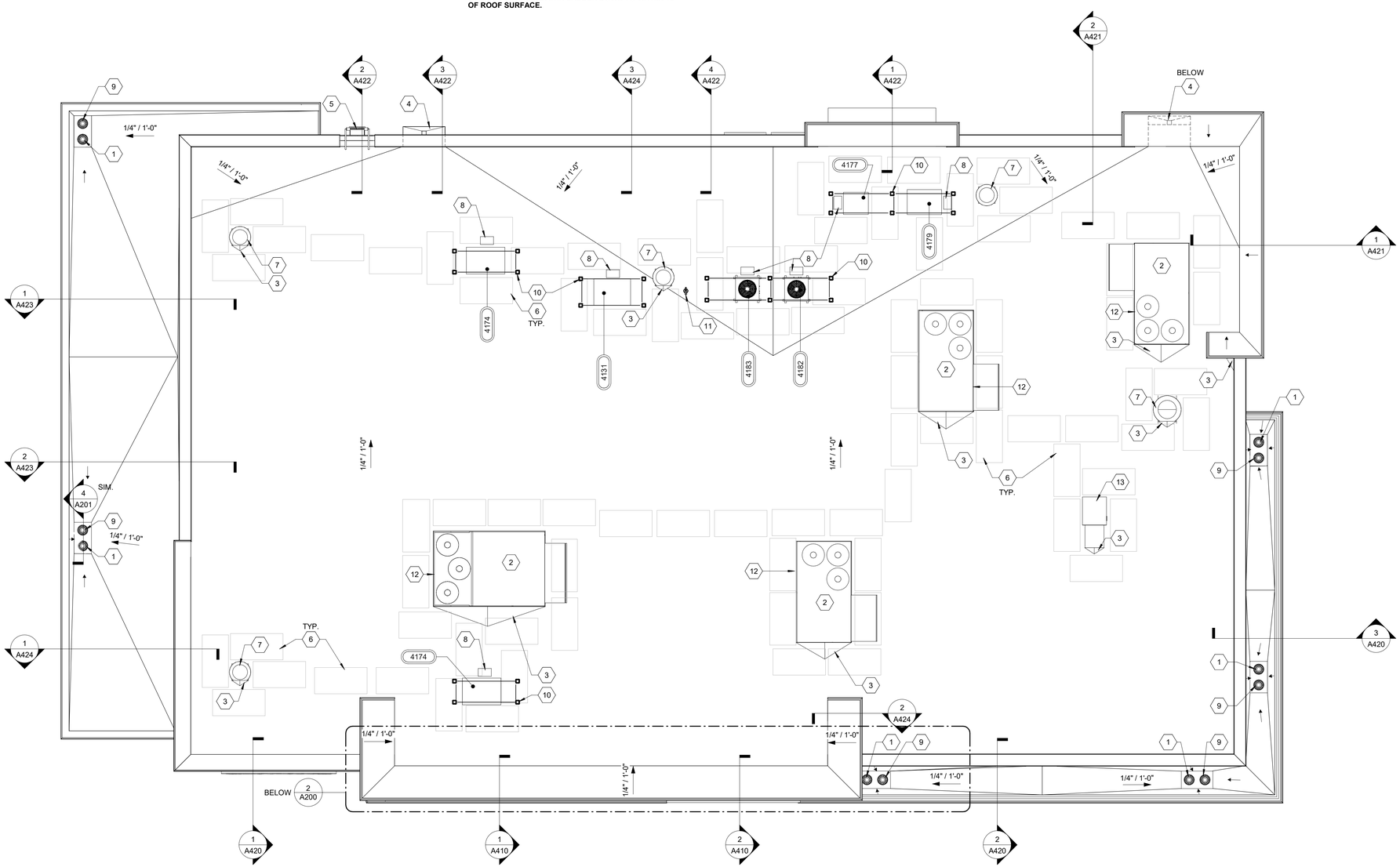
LADDER:
PROVIDE CODE COMPLIANT EXTERIOR ROOF ACCESS LADDER.3/8"x 3" CONT. STEEL FLAT BAR SIDE RAILS W/ EASED EDGES 18" APART W/ 3/4" DIA. SOLID STEEL BAR RUNGS AT 12" O.C. PROVIDE 8" MINIMUM CLEARANCE FROM EXTERIOR FACE OF WALL. PROVIDE BOLTED STEEL BRACKETS AT 6'-6", BEAM LEVEL, AND REAR OF PARAPET - THROUGH BOLT TO WALL W/ 1/2" DIA A307 BOLTS W/OVERSIZED HARDENED WASHERS ON I.S. & O.S. FACES. BEGIN LADDER AT 0'-0" ABOVE FINISHED GRADE AND PROVIDE LOCKABLE GUARD CAGE TO 8'-0" ABOVE FINISHED GRADE.

GUARD CAGE:
GUARD CAGE TO BE CONSTRUCTED FROM 1 1/2"x1 1/2"x 3/16" THICK STEEL ANGLE AND MITERED AT CORNERS. ALL WELDS TO BE GROUND SMOOTH. WELD WIRE MESH AT REAR OF ANGLE FRAME AND PROVIDE STEEL HASP CLOSURE FOR PADLOCK AT 48" ABOVE FINISHED GRADE.

LADDER PLATFORM:
EXTEND LADDER RAILS 4'-0" ABOVE PARAPET. PROVIDE METAL GRATE PLATFORM 6" ABOVE TOP OF PARAPET TO WALK OVER AND RETURN LADDER DOWN TO WITHIN 12" OF ROOF SURFACE.



2 LOWER CANOPY ROOF PLAN
3/16" = 1'-0"



1 LOWER CANOPY PLAN
3/16" = 1'-0"

GENERAL NOTES

1. PROVIDE DURO-LAST MEMBRANE 50 MIL THERMOPLASTIC ROOFING SYSTEM; MECHANICALLY ANCHORED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

SHEET KEYNOTES

1	ROOF DRAIN. PROVIDE 1/4" SLOPE IN EACH DIRECTION FOR POSITIVE DRAINAGE. REFER TO DETAIL ON SHEET A201.
2	ROOF TOP UNIT. REFER TO MECHANICAL DRAWINGS FOR UNIT INFORMATION. REFER TO SHEET A201 FOR CURB DETAIL.
3	PROVIDE TAPERED INSULATION CRICKET AT ALL ROOF TOP EQUIPMENT AND AS INDICATED. SLOPE 1/4" MINIMUM FOR POSITIVE DRAINAGE.
4	METAL SCUPPER, CONDUCTOR HEAD, GUTTER AND DOWNSPOUT BELOW AS DETAILED ON SHEET A201. REFER TO SHEET A300 FOR DIMENSIONS.
5	PAINTED STEEL ROOF LADDER INSTALL BY GC. REFER TO DETAILS ON THIS SHEET AND WALL SECTION ON SHEET A421.
6	PROVIDE DURO-LAST ROOF TRAK III WALKWAY PADS AS INDICATED.
7	EXHAUST FAN, REFER TO MECHANICAL DRAWINGS.
8	ATR HUB FOR REFRIGERATION AND ELECTRICAL LINES AND CONDUITS. REFER TO 3/A201 FOR DETAILS. ATR HUB TO BE PROVIDED BY DURO-LAST.
9	OVERFLOW DRAIN. PROVIDE 3" ESCUTCHEON PLATE FLUSH AGAINST FINISHED MATERIAL.
10	REFRIGERATION SUPPORT RACK. REFER TO 1/A201 FOR DETAILS.
11	NON-FREEZE ROOF HYDRANT. REFER TO PLUMBING DRAWINGS.
12	MECHANICAL CURB. REFER TO 2/A201 AND MECHANICAL DRAWINGS.
13	MAKE-UP AIR UNIT, REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.

ROOF DRAINAGE CALCULATIONS

ROOF DRAINAGE CALCULATIONS PER THE INTERNATIONAL PLUMBING CODES

1. ROOF AREA @ 6,245 SF AREA RAINFALL @ 5 INCHES PER HOUR WILL NEED TO ACCOMMODATE 98 GPM.
2. SCUPPER SIZE PER CHAPTER 1106 AND 1107
   2.1 AT A 5-INCH SQUARE HEAD, A 24-INCH HIGH OPENING WILL ACCOMMODATE A ROOF AREA OF 360 GPM.
   2.2 ONE SCUPPER OF EQUAL SIZE IS REQUIRED FOR A SECONDARY DRAIN.
3. THE LOW SIDE OF THIS BUILDING IS DESIGNED WITH 2 OPENINGS @ 24 INCHES HIGH x 4-FEET WIDE. EACH OPENING HAS A GUTTER AND DOWNSPOUT. THE PROVIDED AMOUNT EXCEEDS THE MINIMUM REQUIRED CALCULATED AREA.
4. VISUAL OVERFLOW IS PROVIDED AT EACH SCUPPER/DOWNSPOUT. SECONDARY OVERFLOW DRAINAGE SYSTEM IS PROVIDED AT 2" ABOVE PRIMARY DRAIN-SYSTEM IN THE EVENT THAT PRIMARY ROOF DRAINAGE SYSTEM IS NON-FUNCTIONAL. REFER TO DETAIL 5/A201 FOR MORE INFORMATION. ROOF SYSTEM DESIGNED TO ACCOMMODATE THE ADDITIONAL DEAD LOAD IN THE EVENT THE PRIMARY DRAIN SYSTEM FAILS.
5. PATIO CANOPY ROOF AREA @ 714 SF MAXIMUM AREA RAINFALL @ 5 INCHES PER HOUR WILL NEED TO ACCOMMODATE 17 GPM.
6. FRONT CANOPY ROOF AREA @ 71 SF MAXIMUM AREA RAINFALL @ 5 INCHES PER HOUR WILL NEED TO ACCOMMODATE 1.65 GPM .
7. FRONT AND SIDE CANOPY ROOF AREA @ 361 SF MAXIMUM AREA RAINFALL @ 5 INCHES PER HOUR WILL NEED TO ACCOMMODATE 4.22 GPM .
8. ROOF DRAIN SIZE PER CHAPTER 1106 AND 1107.
   6.1 3-INCH SQUARE DOWNSPOUT AND ROOF DRAIN WILL ACCOMMODATE A ROOF AREA OF 92 GPM.
   6.2 ONE OVERFLOW DRAIN OF EQUAL SIZE IS REQUIRED FOR A SECONDARY DRAIN.
9. EACH CANOPY IS PROVIDED WITH A DEDICATED ROOF AND OVERFLOW DRAIN. THE PROVIDED AMOUNT EXCEEDS THE MINIMUM REQUIRED CALCULATED AREA.

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

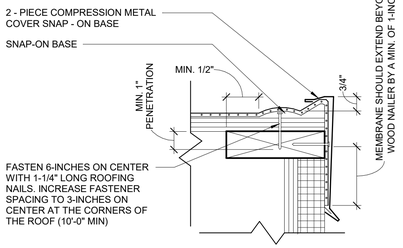
PROJECT NUMBER
2023157.20

SHEET TITLE

ROOF PLAN

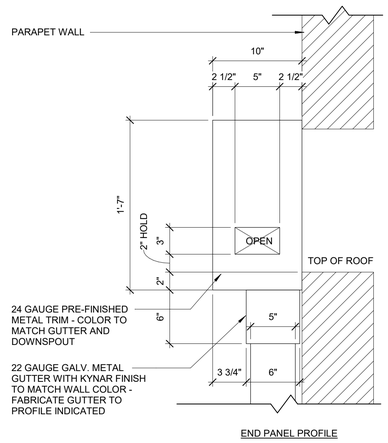
SHEET NUMBER

A200

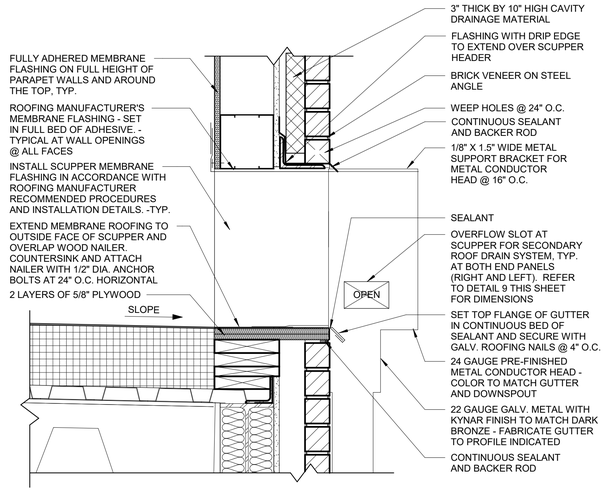


NOTE:
1. THE USE OF THIS DETAIL IS NOT TO EXCEED A 2-INCH PER 12-INCH SLOPE.
2. THE FASTENERS USED TO ATTACH THE BASE TO WOOD NAILERS, AND THE MEMBRANE TO THE FACE OF THE NAILERS, MUST BE SPACED NO GREATER THAN 6-INCHES ON CENTER. THE FASTENER SPACING MUST BE INCREASED TO 3-INCHES ON CENTER WHEN ATTACHING THE BASE WITHIN 10-FEET (MIN.) OF THE OUTSIDE CORNERS OF THE BUILDING.
3. ALLOW FOR 1/8-INCH EXPANSION GAP BETWEEN 10-FOOT LENGTHS OF SNAP-ON BASE. OVERLAP THE SNAP-ON COVERS BY 2-INCHES BETWEEN 10-FOOT LENGTHS.

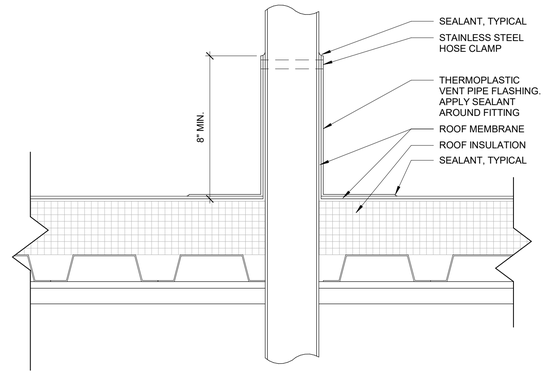
7 2 - PIECE COMPRESSION EDGE
3" = 1'-0"



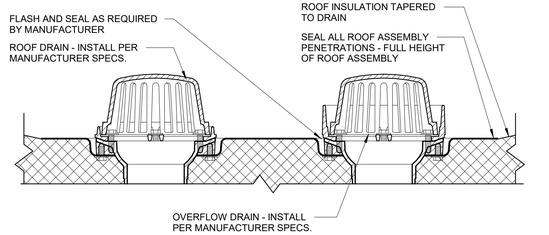
6 ENLARGED SCUPPER SIDE ELEVATION
1 1/2" = 1'-0"



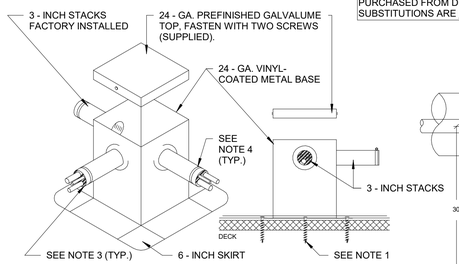
5 ENLARGED SCUPPER DETAIL
1 1/2" = 1'-0"



8 TYPICAL PIPE ROOF PENETRATION DETAIL
3" = 1'-0"

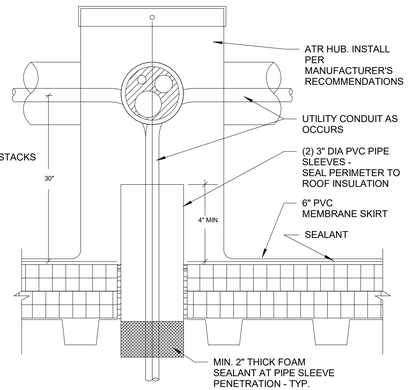


4 ROOF DRAIN DETAIL
1 1/2" = 1'-0"



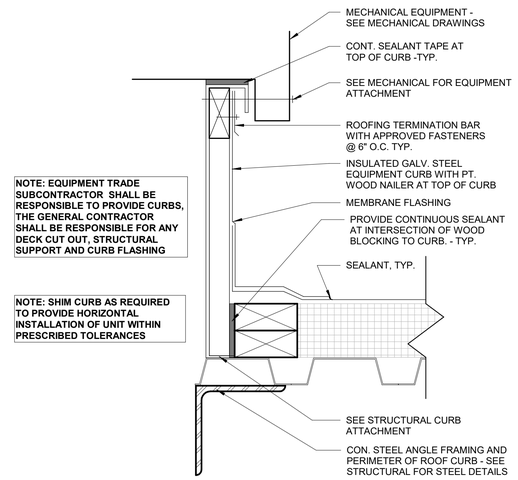
GENERAL NOTE: ATR HUB'S TO BE PURCHASED FROM DURO-LAST. SUBSTITUTIONS ARE NOT PERMITTED.

NOTE: ALL CONDUIT/PIPING ROUTED THROUGH ATR HUB SHALL HAVE LOW POINT OUTSIDE OF ATR TO ENSURE WATER TIGHT AND NO WATER OR CONDENSATION RUNS BACK INTO ATR HUB.



NOTE 1: ATTACH ATR HUB WITH APPROVED FASTENERS, MINIMUM ONE PER SIDE, OR 18- INCHES ON CENTER THROUGH THE BOTTOM FLANGE.
NOTE 2: WELD THE 6-INCH SKIRT TO THE DECK SHEET MEMBRANE.
NOTE 3: USE APPROVED SEALANT AT ENTRY POINTS TO ENSURE A WATERTIGHT SEAL.
NOTE 4: USE STAINLESS STEEL BANDS ON ROUND STACKS AND TIGHTEN TAKING CARE NOT TO CRUSH THE WIRE, CONDUIT, AND CONDENSER LINE OR OBJECT GOING THROUGH THE STACK FLASHING.
NOTE 5: SECURE PREFINISHED TOP WITH THE TWO SUPPLIED SCREWS.
NOTE 6: TO SEAL UNUSED STACKS PINCH THE END TOGETHER AND WELD CLOSED. WHEN NEEDED, CUT THE WELDED PORTION OFF AND RE-USE ACCORDINGLY.
NOTE 7: ATR HUB FOR YOGURT LINE SHALL HAVE TYPE "L" COPPER PIPING EXTERIOR OF ATR HUB AND PEX PIPING INTERIOR OF ATR HUB.

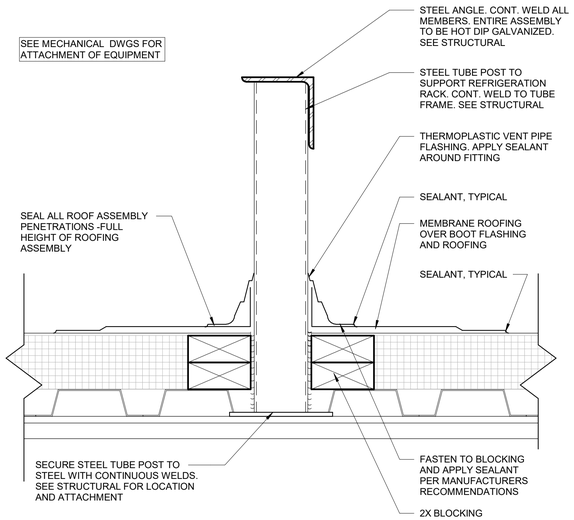
3 ATR HUB
12" = 1'-0"



NOTE: EQUIPMENT TRADE SUBCONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE CURBS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DECK CUT OUT, STRUCTURAL SUPPORT AND CURB FLASHING

NOTE: SHIM CURB AS REQUIRED TO PROVIDE HORIZONTAL INSTALLATION OF UNIT WITHIN PRESCRIBED TOLERANCES

2 MECH/FAN CURB DETAIL
3" = 1'-0"



1 REFRIGERATION SUPPORT RACK
3" = 1'-0"

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(770) 431-7600

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GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Certificate No. 030788
Registered Professional Engineer
09/15/23

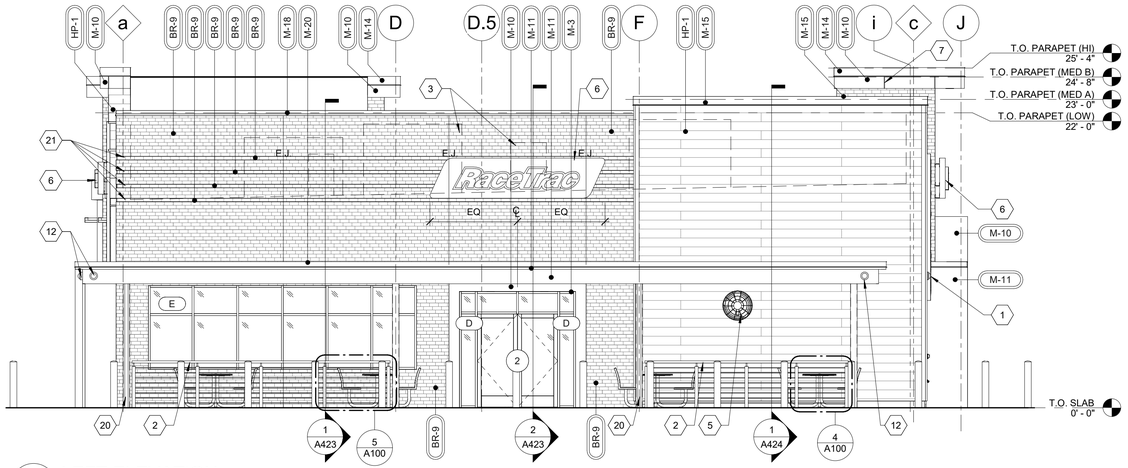
PROJECT NUMBER
2023157.20

SHEET TITLE

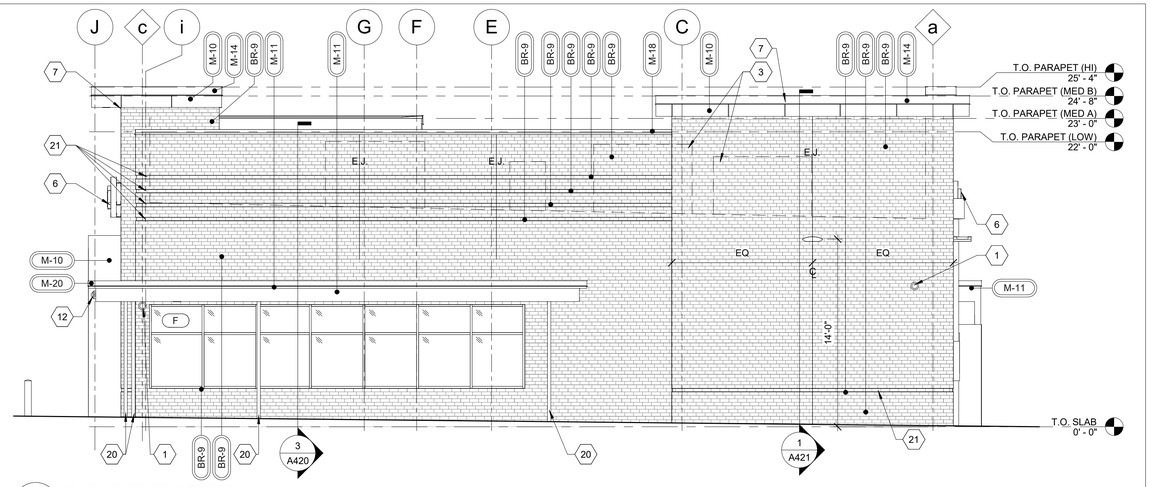
ROOF DETAILS

SHEET NUMBER

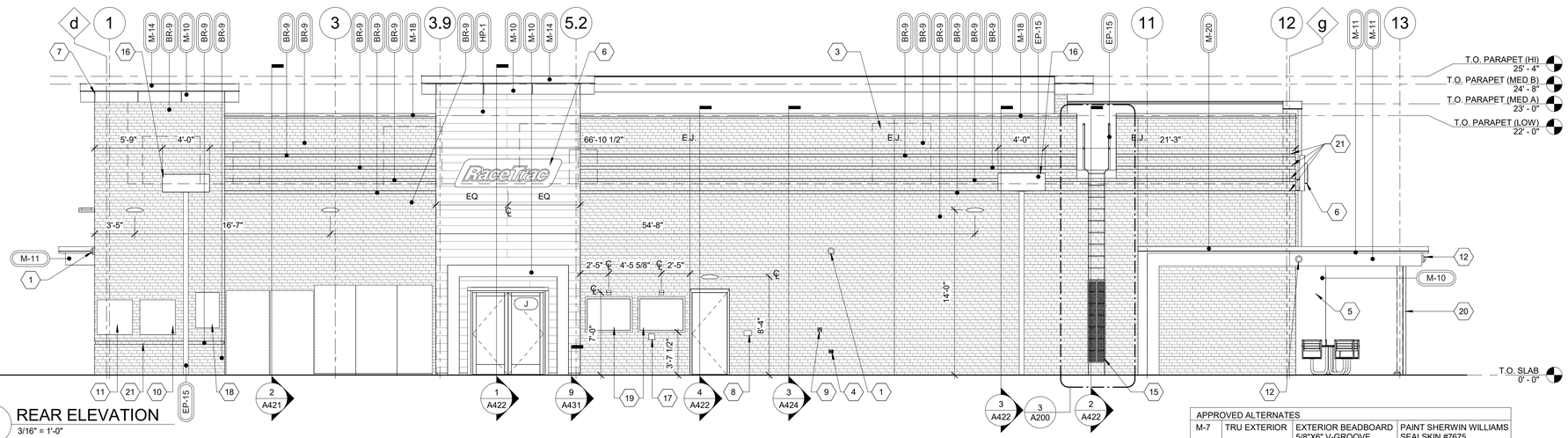
A201



4 LEFT ELEVATION
3/16" = 1'-0"



3 RIGHT ELEVATION
3/16" = 1'-0"



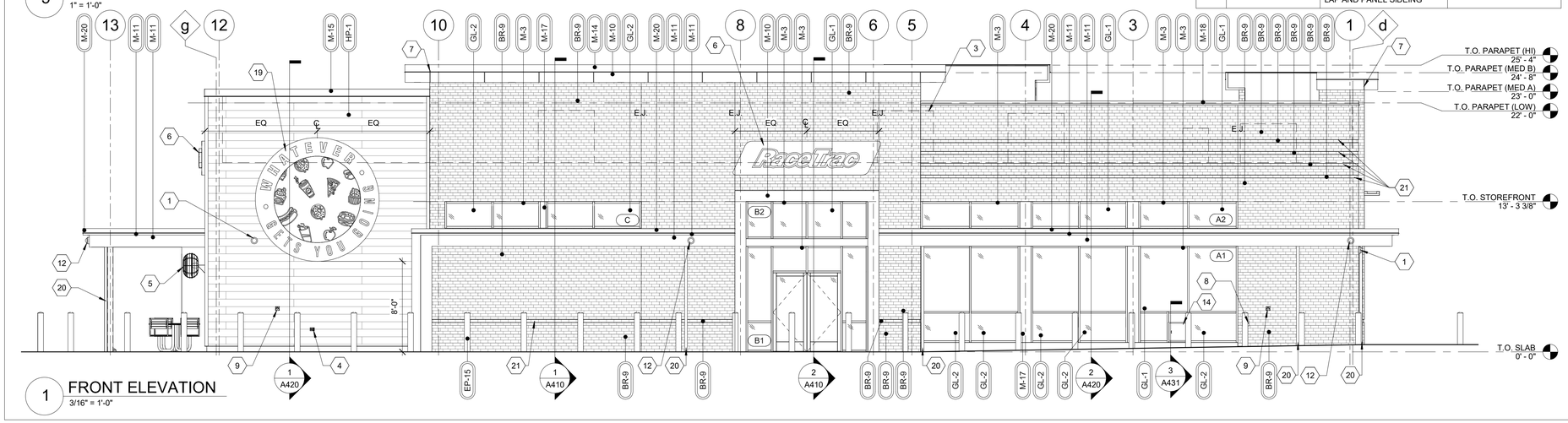
2 REAR ELEVATION
3/16" = 1'-0"

MORTAR TO MATCH BRICK
CALLOUT AS INDICATED
ON THIS SHEET

5 BRICK INLAY MORTAR DETAIL
1" = 1'-0"

APPROVED ALTERNATES			
M-7	TRU EXTERIOR	EXTERIOR BEADBOARD 5/8"X6" V-GROOVE	PAINT SHERWIN WILLIAMS SEALSKIN #7675

APPROVED ALTERNATES			
FL STORES ONLY:			
HP-1	NICHIHA (FL# 12098.1)	NICHIBOARD PLANK SMOOTH	PAINT SHERWIN WILLIAMS SEALSKIN #7675
FOR ALL OTHER STORES:			
HP-1	NICHIHA (FL# 12098.1)	NICHIBOARD PLANK SMOOTH	
	LP SMARTSIDE	STRAND SUBSTRATE SMOOTH LAP AND PANEL SIDEING	



1 FRONT ELEVATION
3/16" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL EXTERIOR MATERIAL COLOR AND FINISHES WITH THE ARCHITECT. ANY DISCREPANCIES NOTED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
2. PROVIDE EXPANSION JOINTS (EJ) AT ALL LOCATIONS WHERE EIFS ABUTS A DISSIMILAR MATERIAL OR WHERE OTHERWISE REQUIRED BY MANUFACTURER.
3. PROVIDE EXPANSION JOINTS (EJ) AS LOCATED ON EXTERIOR ELEVATION. SPECIFICATION FOR JOINT SEALANT SHALL BE 'LIGHT BRONZE' SL-2 BY TREMCO.
4. MAXIMUM SPACING OF EXPANSION JOINTS SHALL BE 15'-0" O.C. OR PER MANUFACTURER RECOMMENDATION.
5. REFER TO LIGHTING PLANS FOR LIGHTING FIXTURE LOCATION AND SCHEDULE.
6. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL FRAMING AND FOUNDATIONS.
7. REFER TO REFLECTED CEILING PLANS FOR COMPLETE DIMENSIONS OF ACM JOINT LOCATIONS.

ELEVATION KEYNOTES

1	WALL MOUNTED SECURITY CAMERA.
2	GUARDRAIL BY OTHERS. REFER TO DETAILS 4 & 5 ON A100.
3	MECHANICAL EQUIPMENT BEYOND.
4	HOSE BIB, REFER TO PLUMBING DRAWINGS.
5	PATIO FAN, REFER TO ELECTRICAL DRAWINGS.
6	ILLUMINATED SIGN PANEL BY OWNER MOUNTED ON RACEWAY.
7	ACM PANEL REVEAL LINE. REFER TO REFLECTED CEILING PLAN FOR DIMENSIONS.
8	INTERCOM AND SPEAKER.
9	EMERGENCY FUEL SHUT OFF SWITCH. MOUNT TOP OF SIGN AT 48" A.F.F.
10	LOCATION OF ELECTRICAL SERVICE C/T AND METER.
11	GENERATOR TAP BOX - SEE ELECTRICAL FOR LOCATION.
12	SECURITY CAMERA MOUNTED TO FASCIA.
13	NOT USED.
14	PACKAGE PASSER. REFER TO EQUIPMENT PLAN.
15	PROVIDE METAL GUARD GATE AT LADDER TO 8'-0" A.F.F. WITH LOCKING HASP.
16	4'-0" WIDE X 1'-6" HIGH SCUPPER. REFER TO DETAILS 9 & 10 ON SHEET A201.
17	CO2 TANK FILL BOX TO BE INSTALLED BY VENDOR.
18	HYDROPOINT IRRIGATION SYSTEM. SEE ELECTRICAL DRAWINGS.
19	MARKETING BY RACETRAC. PROVIDE BLOCKING AS REQUIRED.
20	DOWNSPOUT. SEE A100 FOR ADDITIONAL INFORMATION.
21	FOR MORTAR COLOR OF BRICK INLAY REFERENCE DETAIL 5 ON THIS SHEET.

EXTERIOR MATERIAL SCHEDULE

BRICK			
BR-9	GENERAL SHALE	STONE MOUNTAIN (QUEEN 1/3 BOND)	MORTAR: ARGOS MAGNOLIA DARK
CEMENT BOARD			
HP-1	JAMES HARDIE	SMOOTH LAP SIDING (OR APPROVED ALTERNATE)	PAINTED SHERWIN WILLIAMS "SEALSKIN" #7675. BLIND FASTEN AND STAGGER PLANKS PER MANUFACTURER'S RECOMMENDATION
GLAZING			
GL-1		1" NON-IMPACT RATED INSULATED GLAZING	CLIMATE ZONES 2 OR 3. IGU AT STOREFRONT 0.28 U-FACTOR, SHGC PF>0.25=0.27 (1/4" PPG SOLARBAN 70-XL LOW-E #2 +1/2" AIR +1/4" CLEAR) OR APPROVED ALTERNATE. SEE A600
GL-2		1" NON-IMPACT RATED ACID ETCHED INSULATED GLAZING	CLIMATE ZONES 2 OR 3. IGU AT STOREFRONT 0.28 U-FACTOR, SHGC PF>0.25=0.27 (1/4" PPG SOLARBAN 70-XL LOW-E #2 +1/2" AIR +1/4" CLEAR SATIN ETCHED #3) OR APPROVED ALTERNATE. SEE A600
METAL			
M-3	OLDCASTLE (OR APPROVED ALTERNATE)	FG-3000 STOREFRONT SYSTEM (OR APPROVED ALTERNATE)	PREFINISHED DARK BRONZE ANODIZED ALUMINUM AA-MI2C22A44
M-7	VERSATEX	WP4 TONGUE AND GROOVE 1"X6"X8' (OR APPROVED ALTERNATE)	PAINTED SHERWIN WILLIAMS "SEALSKIN" #7675
M-10	ALPOLIC		TRD RED
M-11	ALPOLIC		HYB BLUE
M-14	ALPOLIC	PREFINISHED 8" 2-PIECE COMPRESSION METAL COVER	METAL TO MATCH ALPOLIC "CNC CHARCOAL"
M-15		PREFINISHED 6" 2-PIECE COMPRESSION METAL COVER	METAL TO MATCH ALPOLIC "CNC CHARCOAL"
M-17		BRAKE METAL	METAL TO MATCH STOREFRONT DARK BRONZE 740
M-18		PREFINISHED 4" METAL COPING	METAL TO MATCH ALPOLIC "CNC CHARCOAL"
M-20	ALPOLIC	PREFINISHED 5" 2-PIECE COMPRESSION METAL COVER	METAL TO MATCH ALPOLIC "HYB BLUE"
PAINT			
EP-15	SHERWIN WILLIAMS		PAINTED SHERWIN WILLIAMS "URBANE BRONZE" #7048
TREX			
TX-1	SELECT COMPOSITE	1"X 6"	WOODLAND BROWN
WINDOW FILM			
WF-1		WINDOW FILM; 3M PRESTIGE 70 SOLAR FILM	SEE A600 FOR WINDOW FILM LOCATIONS
WF-2		WINDOW FILM; OPAQUE	SEE A600 FOR WINDOW FILM LOCATIONS

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RACETRAC STORE NUMBER

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
09/15/23

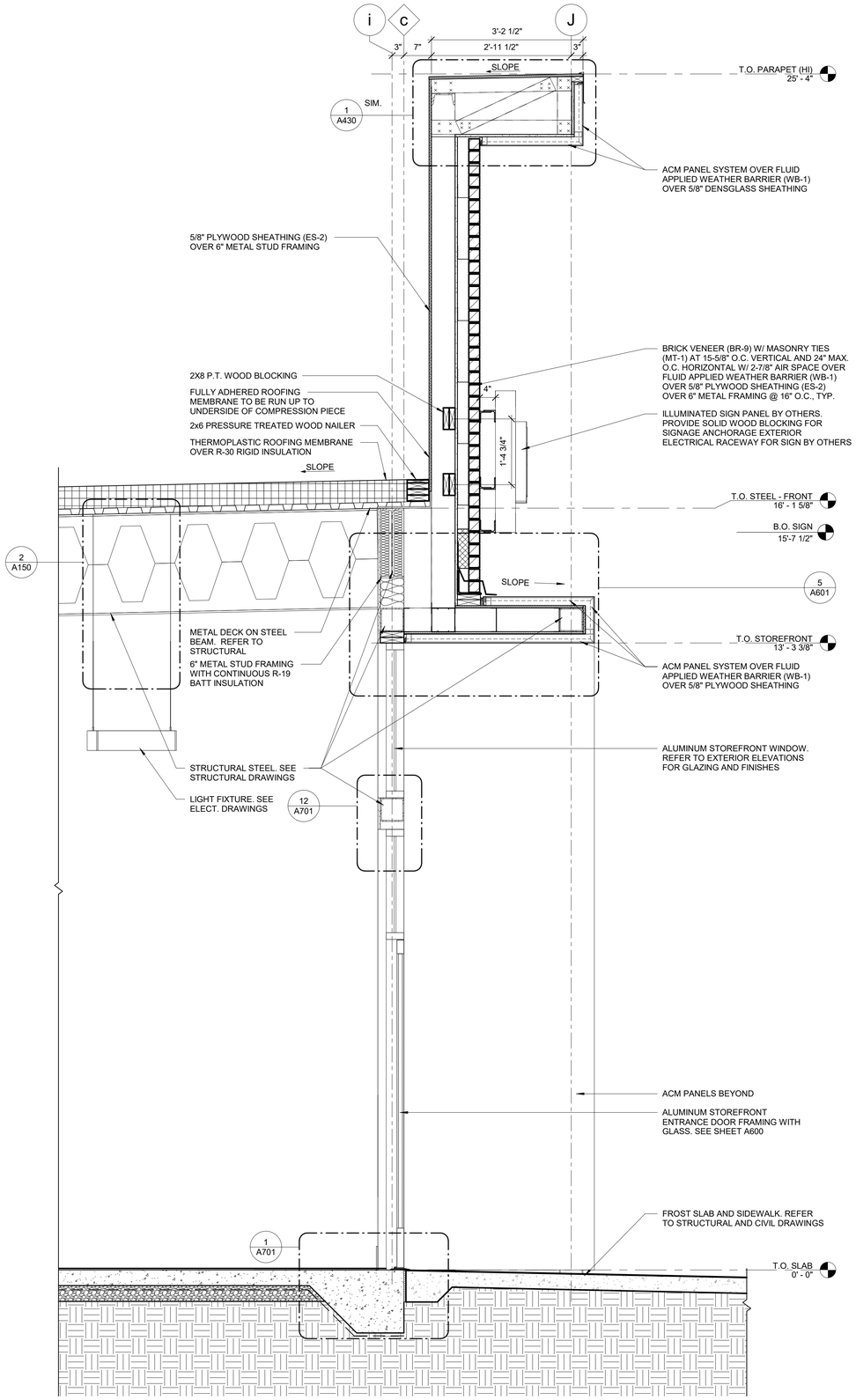
PROJECT NUMBER
2023157.20

SHEET TITLE

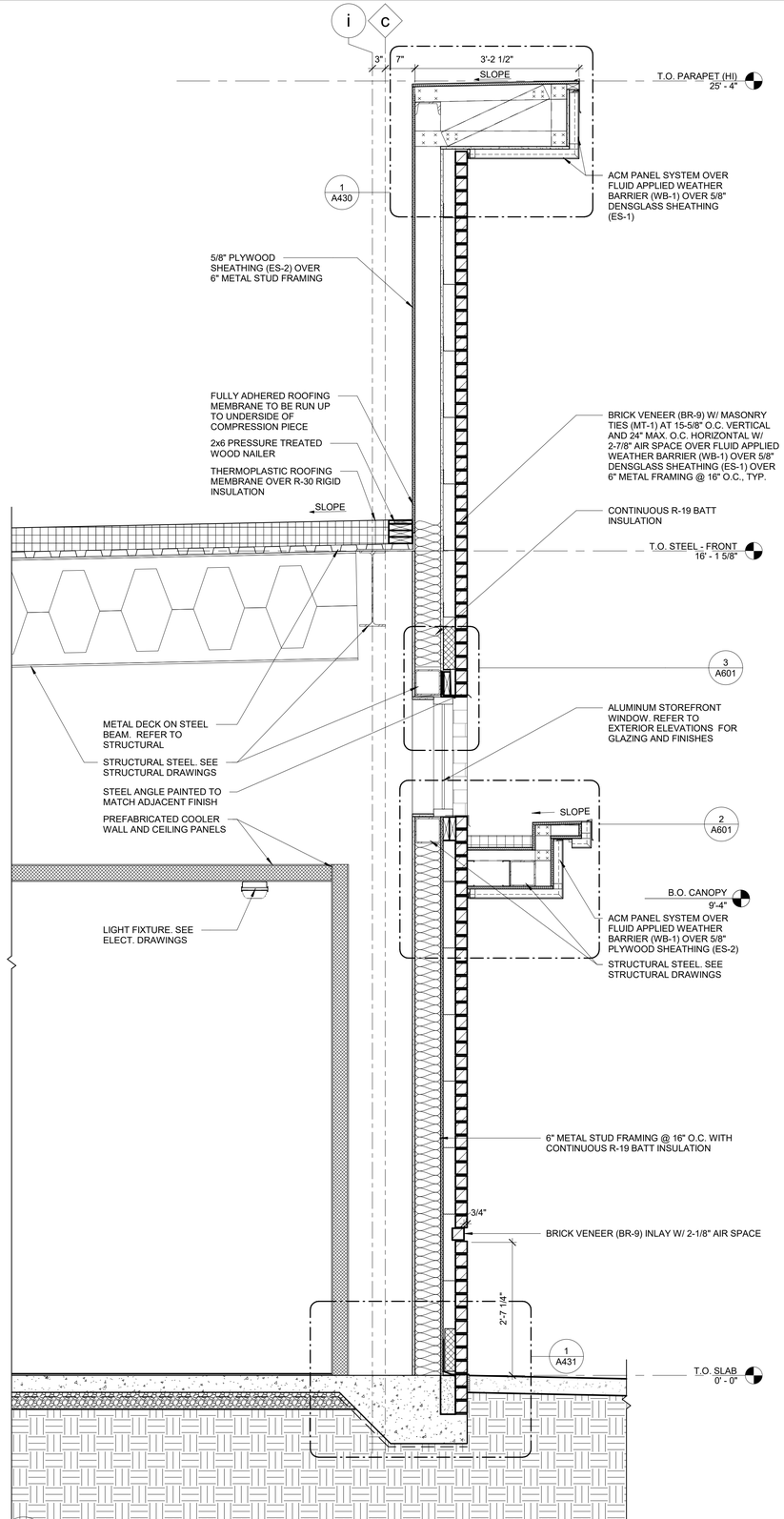
EXTERIOR ELEVATIONS

SHEET NUMBER

A300



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



1 WALL SECTION
3/4" = 1'-0"

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09/15/23

PROJECT NUMBER
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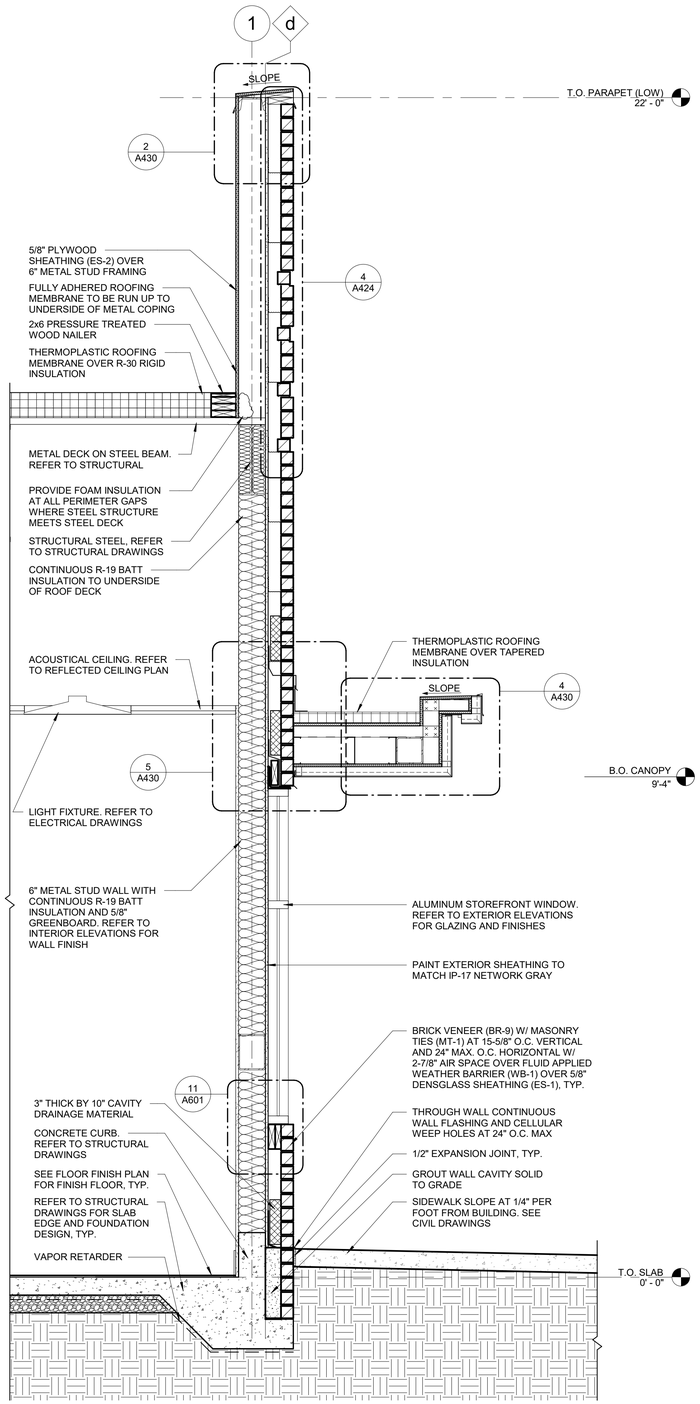
SHEET TITLE

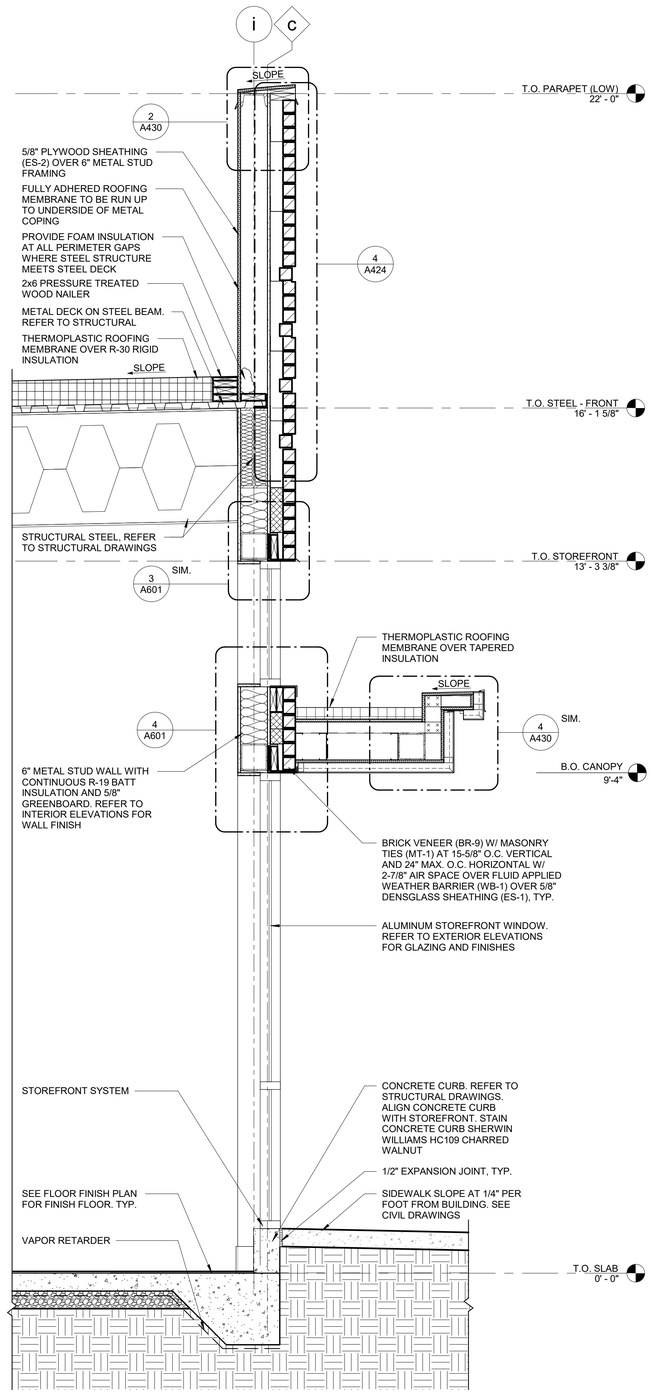
WALL SECTIONS

SHEET NUMBER

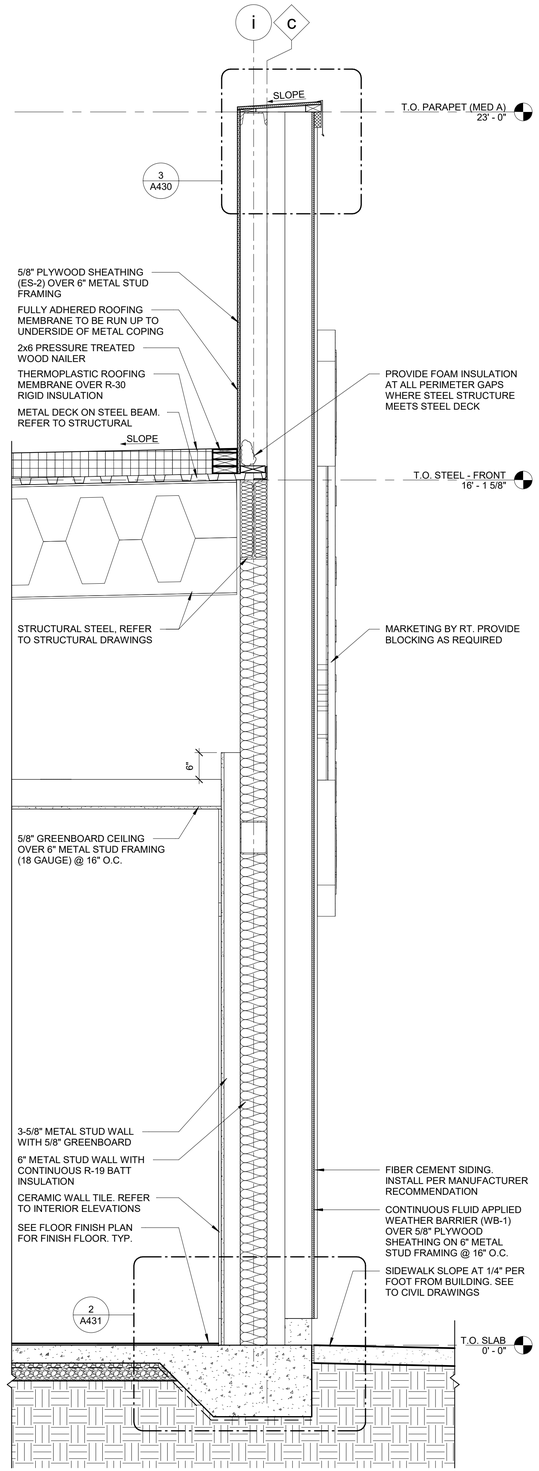
A410



3 WALL SECTION
3/4" = 1'-0"



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



1 WALL SECTION
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PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 044889
REGISTERED ARCHITECT
09/15/23

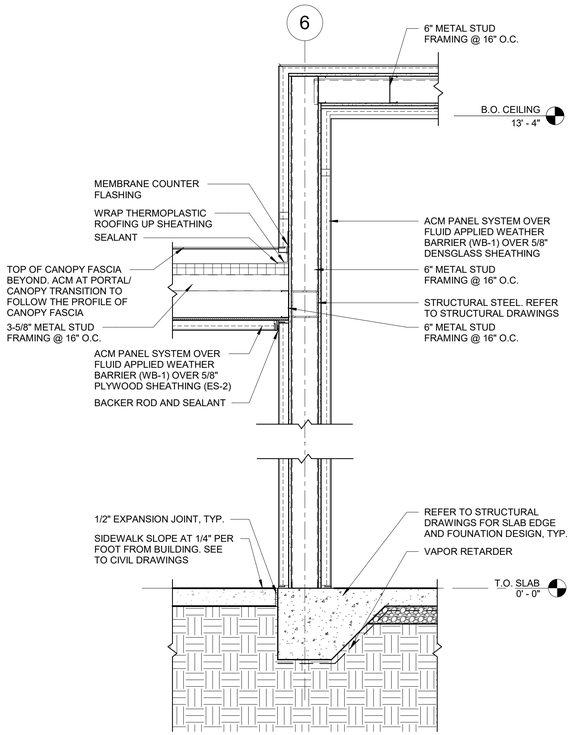
PROJECT NUMBER
2023157.20

SHEET TITLE

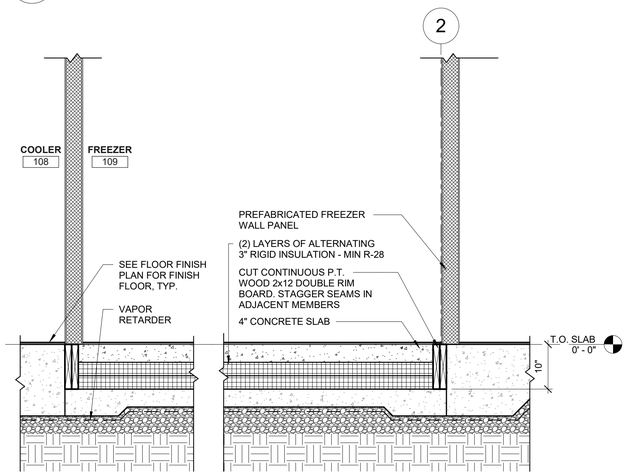
WALL SECTIONS

SHEET NUMBER

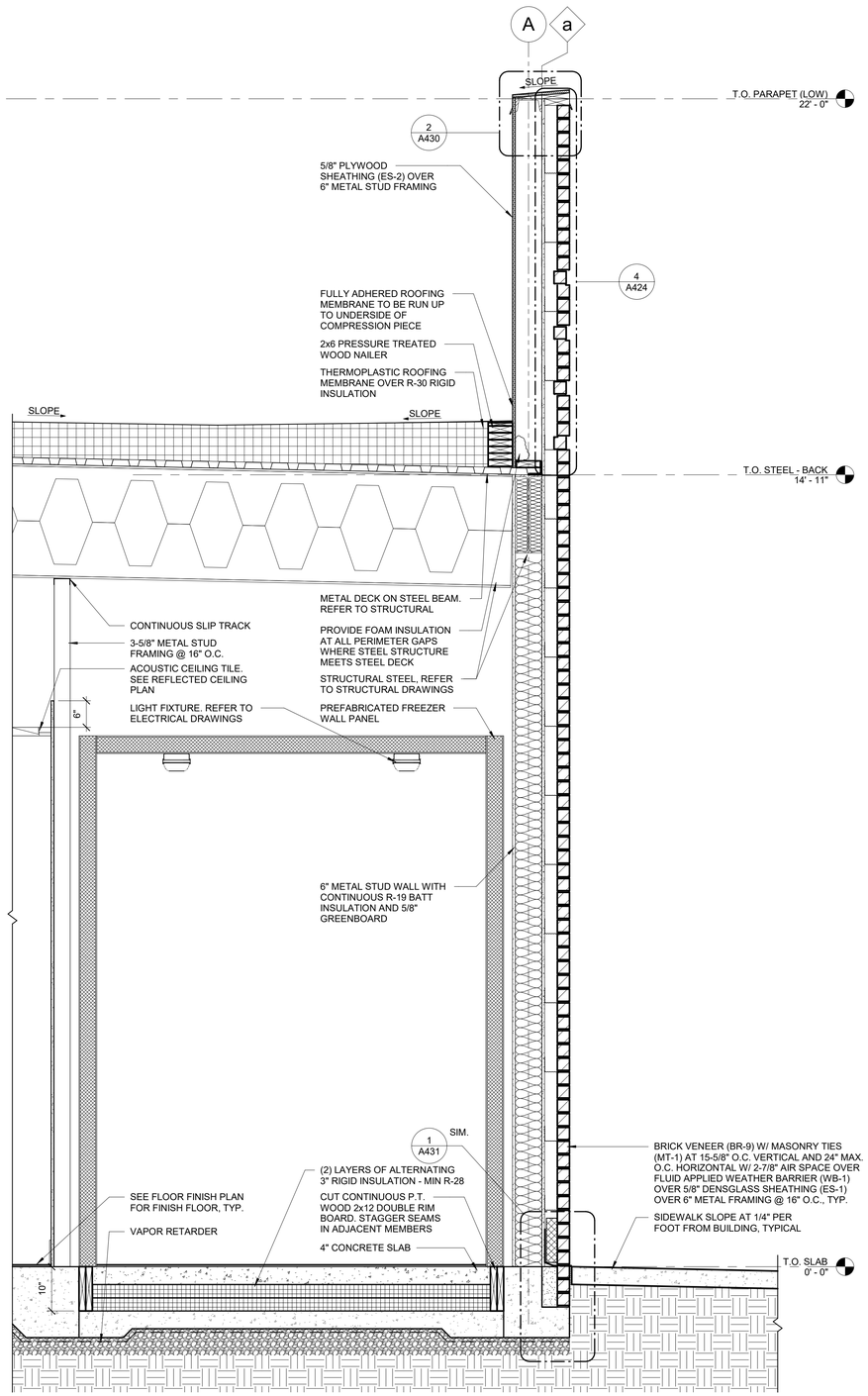
A420



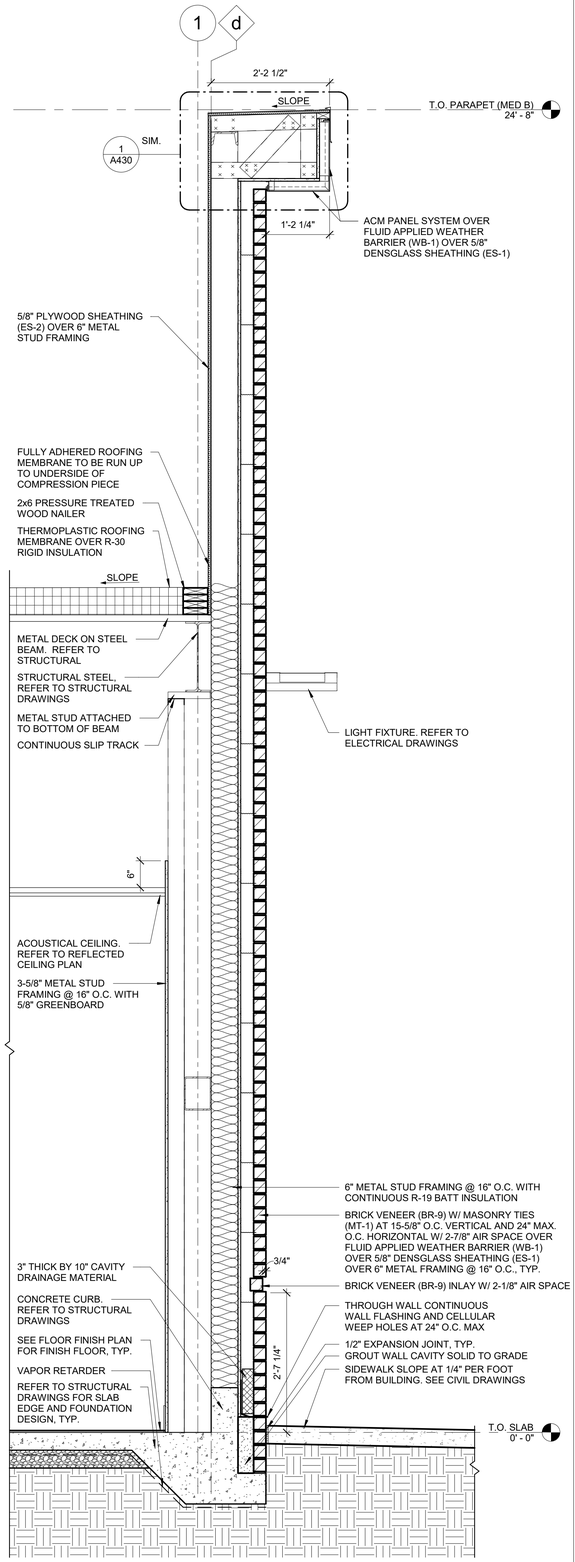
4 WALL SECTION AT PORTALS
3/4" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"



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



1 WALL SECTION
3/4" = 1'-0"

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Certificate No. 029880
REGISTERED ARCHITECT
09/15/23

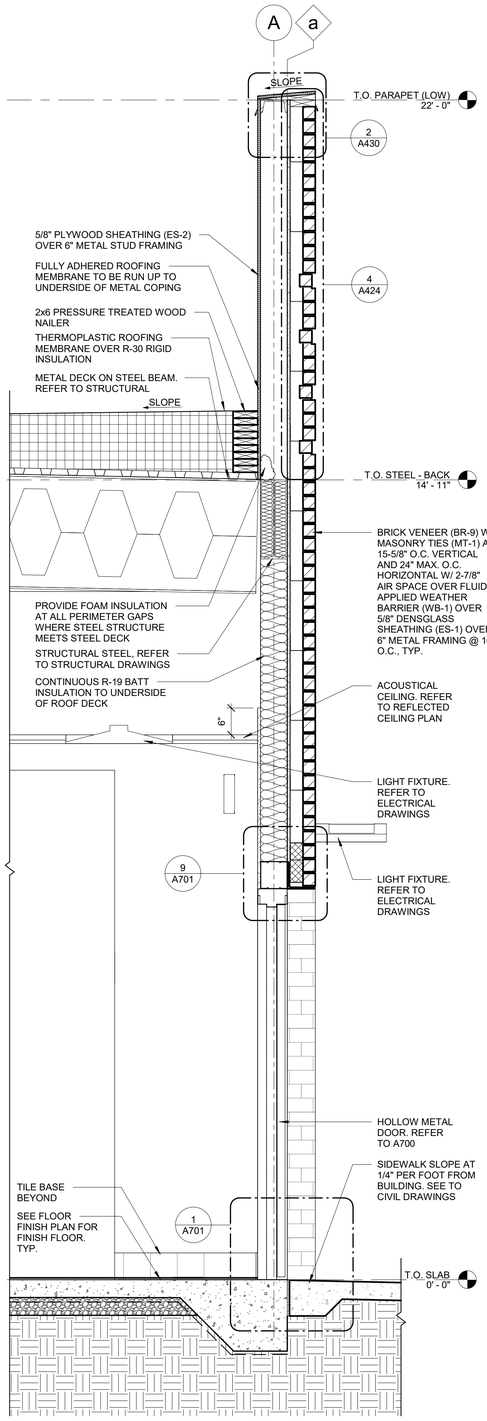
PROJECT NUMBER
2023157.20

SHEET TITLE

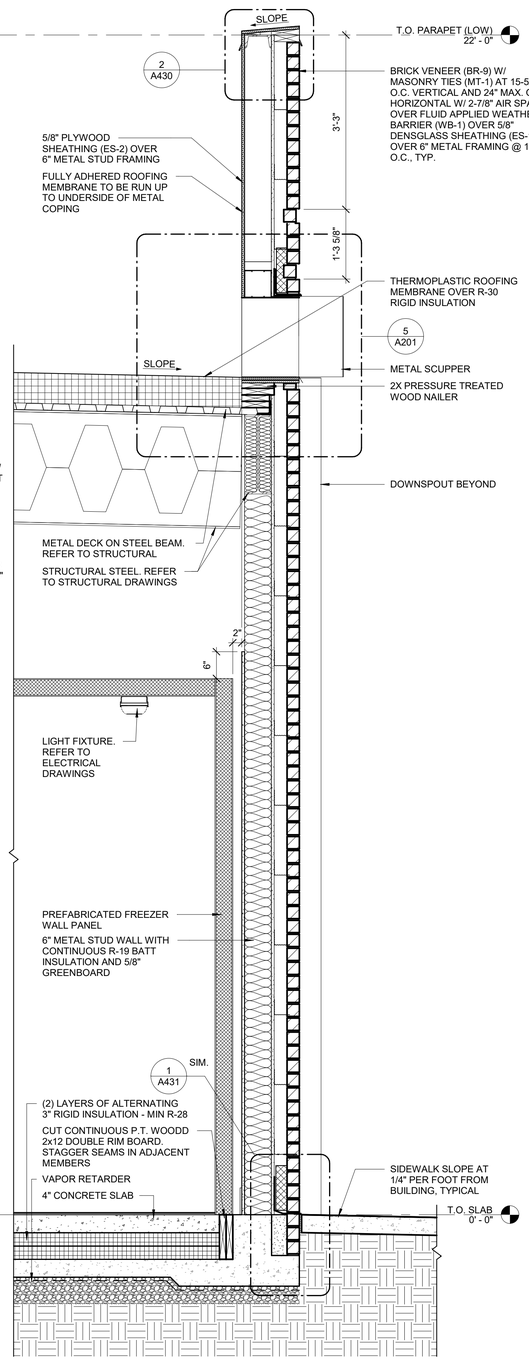
WALL SECTIONS

SHEET NUMBER

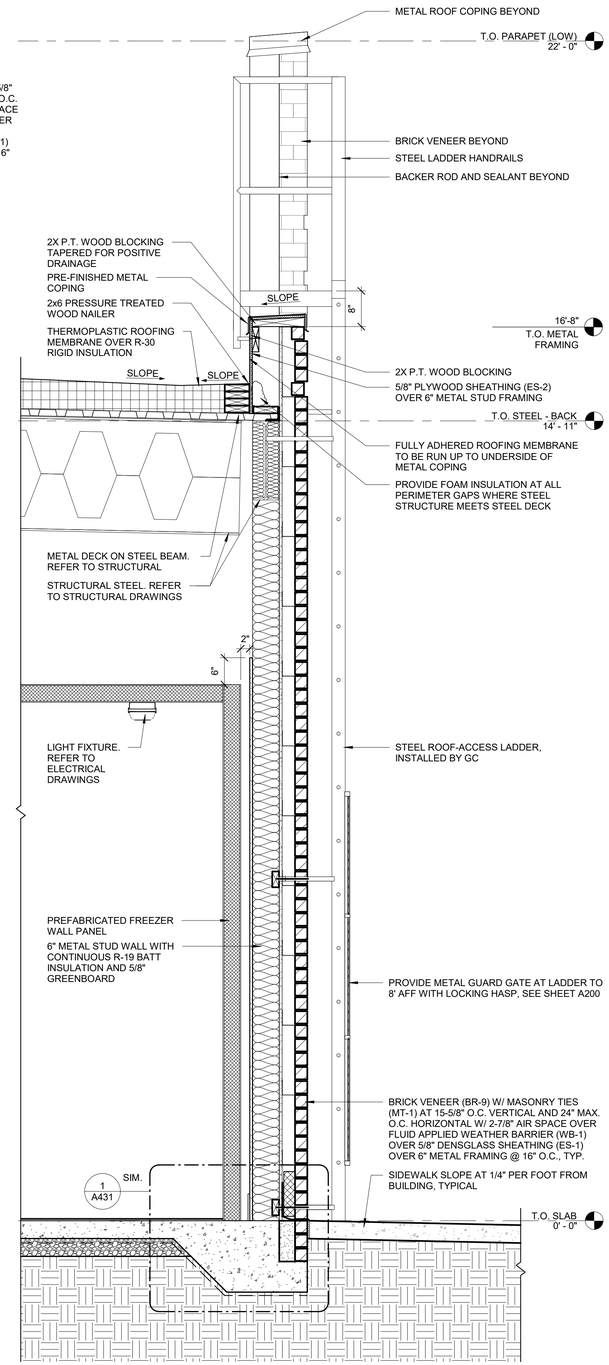
A421



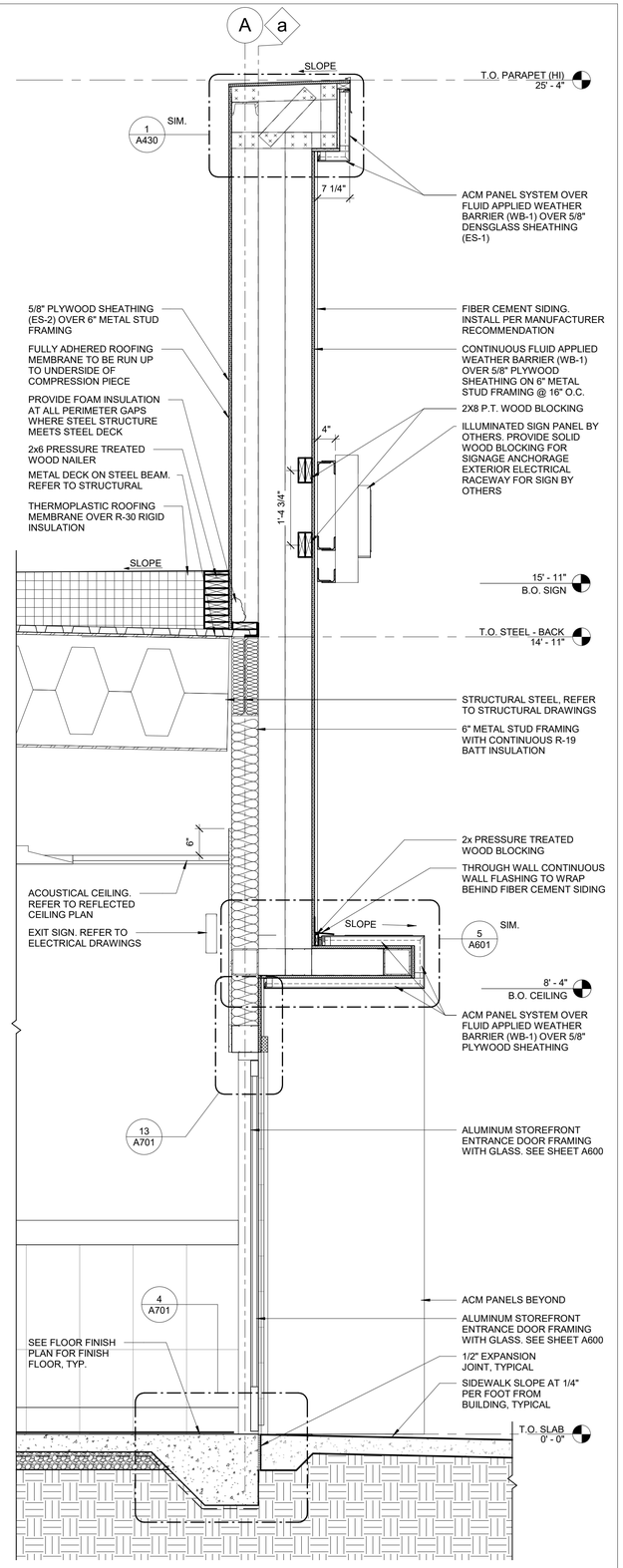
4 WALL SECTION
3/4" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"



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



1 WALL SECTION
3/4" = 1'-0"

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DESIGN PROFESSIONALS

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200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
09/15/23

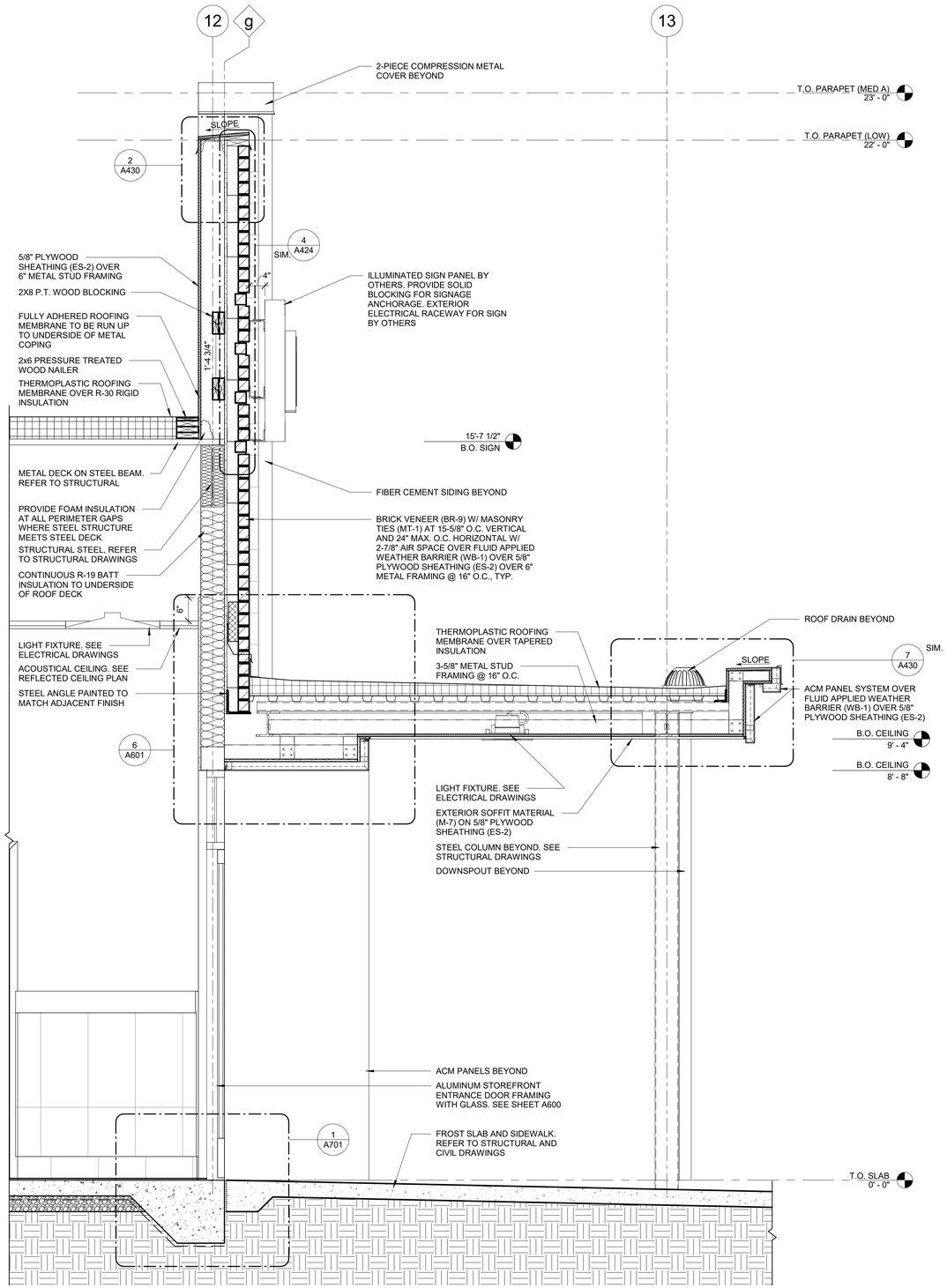
PROJECT NUMBER
2023157.20

SHEET TITLE

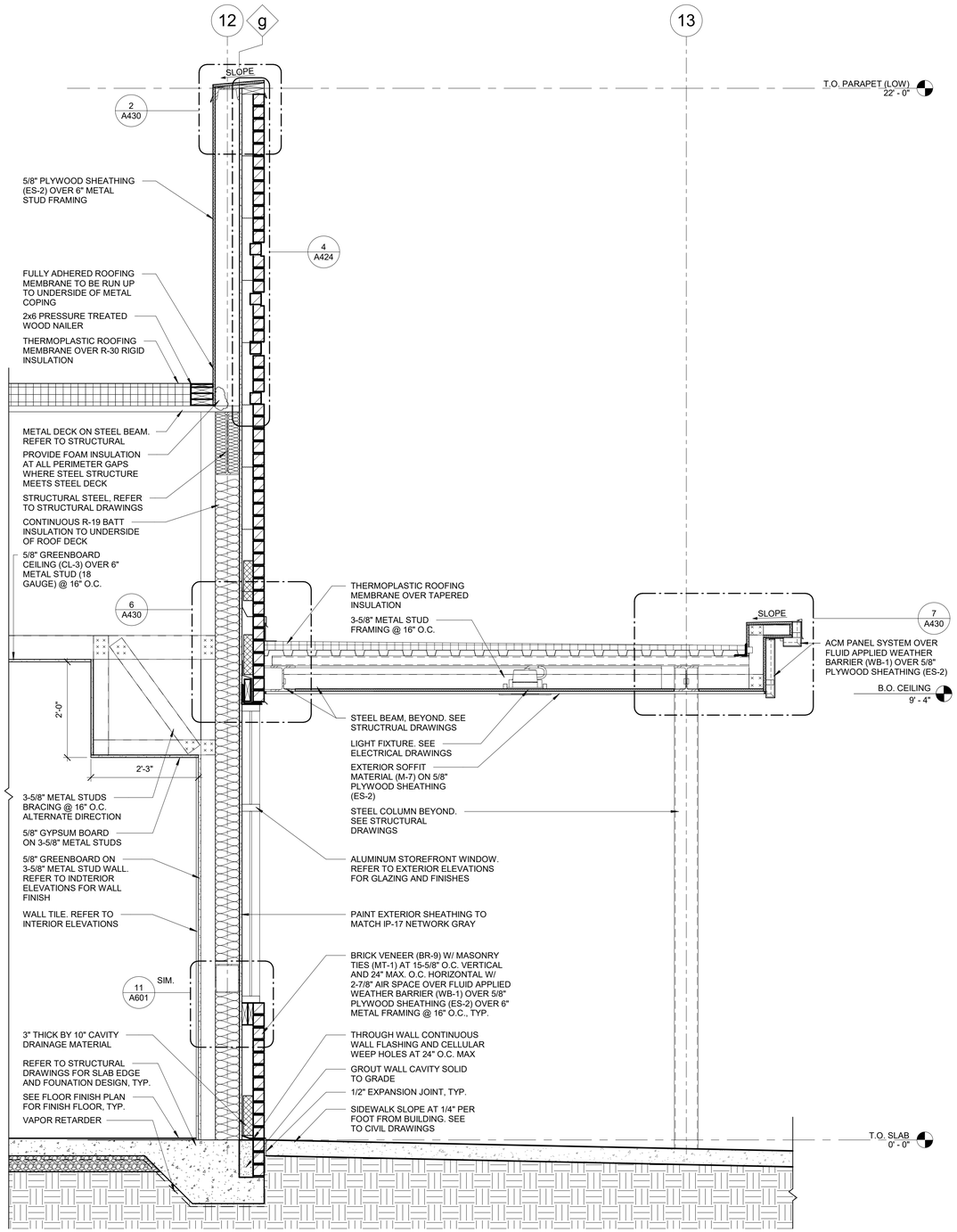
WALL SECTIONS

SHEET NUMBER

A422



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



1 WALL SECTION
3/4" = 1'-0"

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ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

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GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
09/15/23

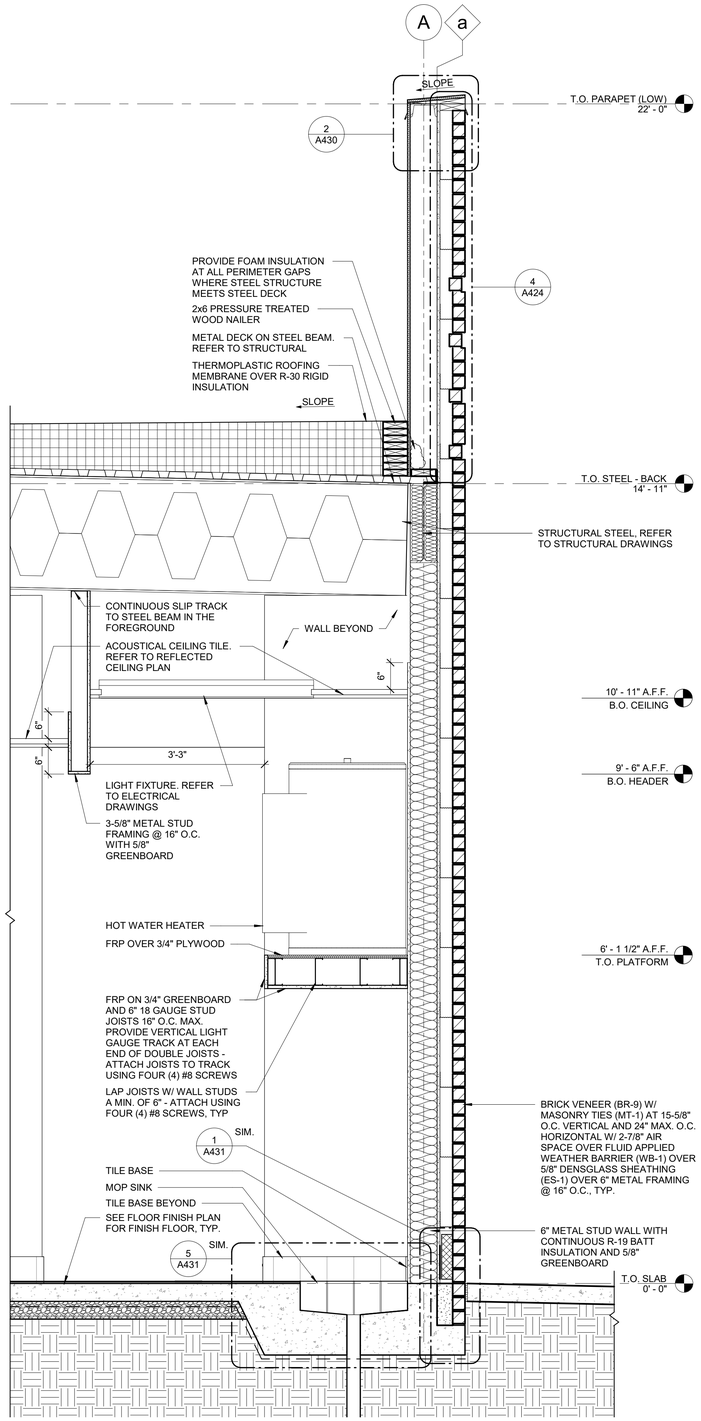
PROJECT NUMBER
2023157.20

SHEET TITLE

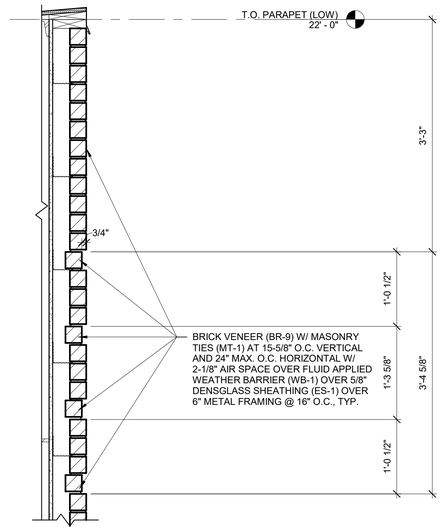
WALL SECTIONS

SHEET NUMBER

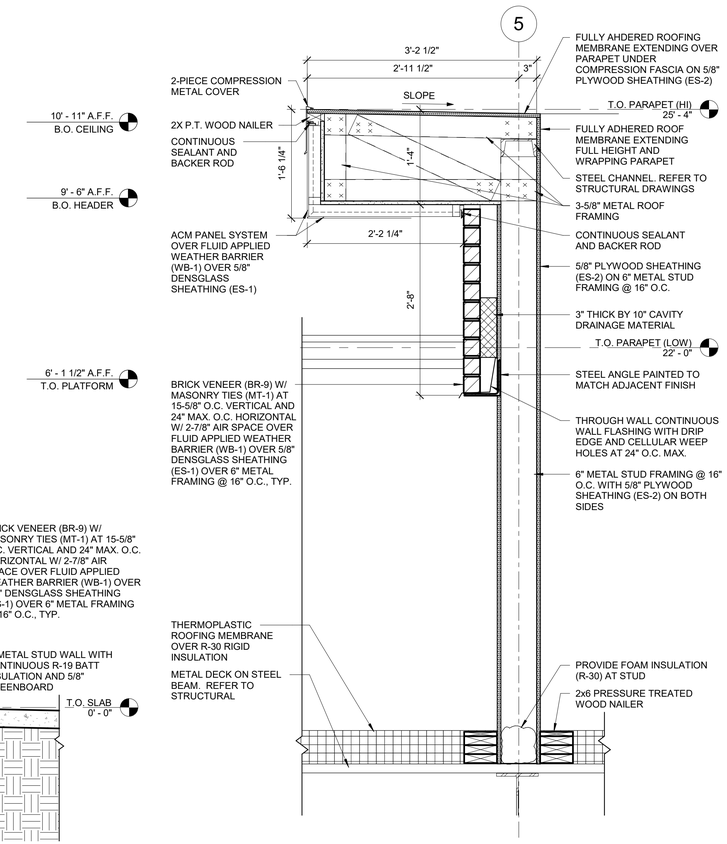
A423



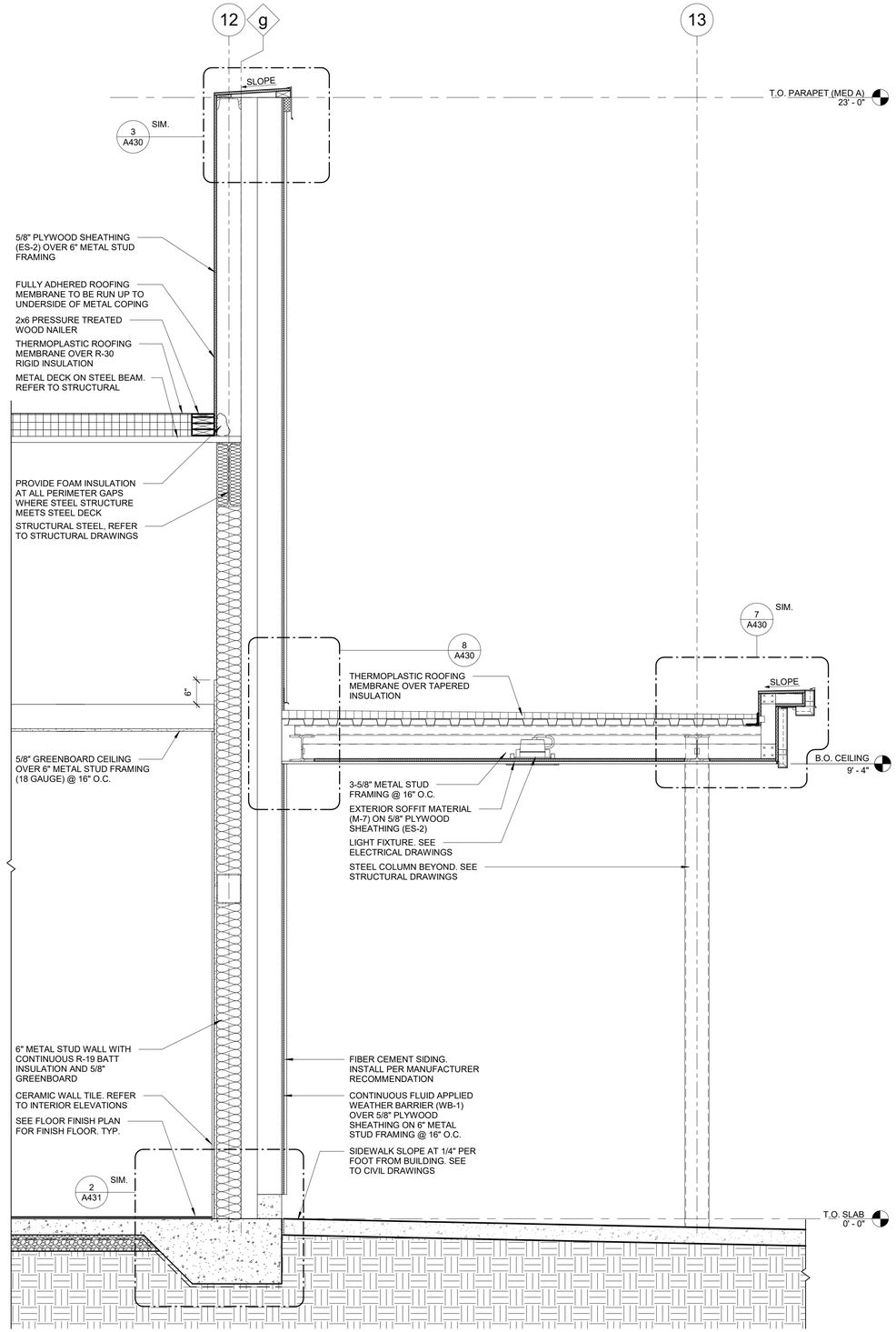
3 WALL SECTION
3/4" = 1'-0"



4 BRICK INLAY DETAIL
1" = 1'-0"



2 WALL SECTION @ RETURN
1" = 1'-0"



1 WALL SECTIONS
3/4" = 1'-0"

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Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

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RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 036788
REGISTERED PROFESSIONAL ENGINEER
09/15/23

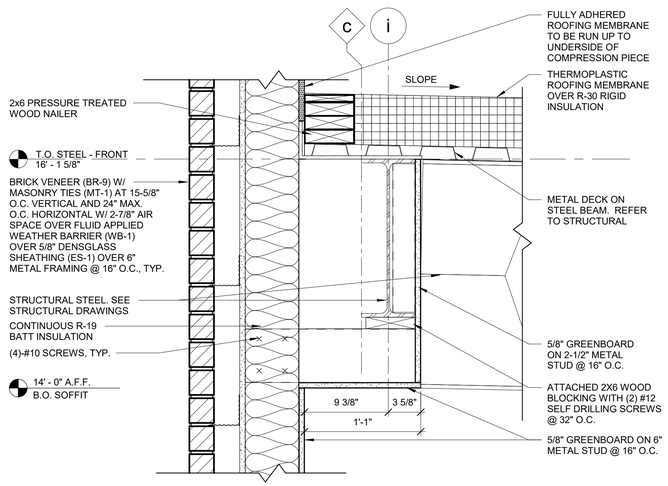
PROJECT NUMBER
2023157.20

SHEET TITLE

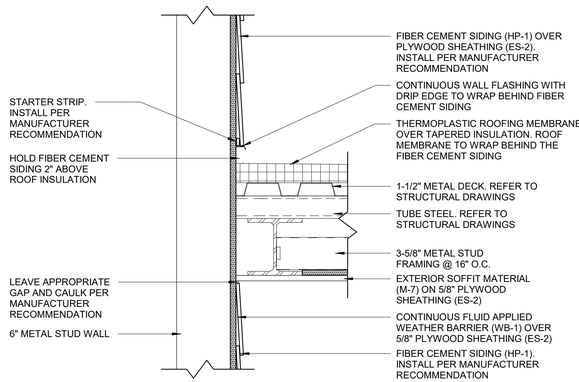
WALL SECTIONS

SHEET NUMBER

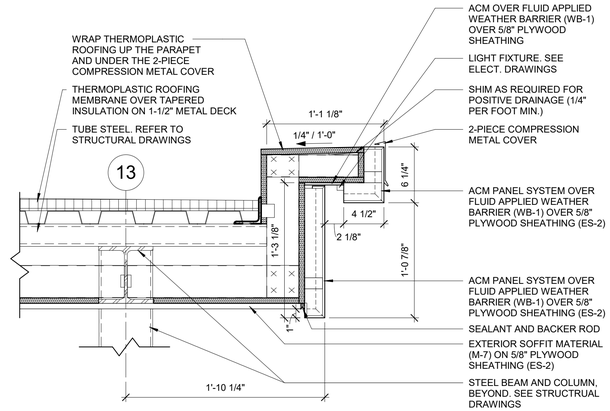
A424



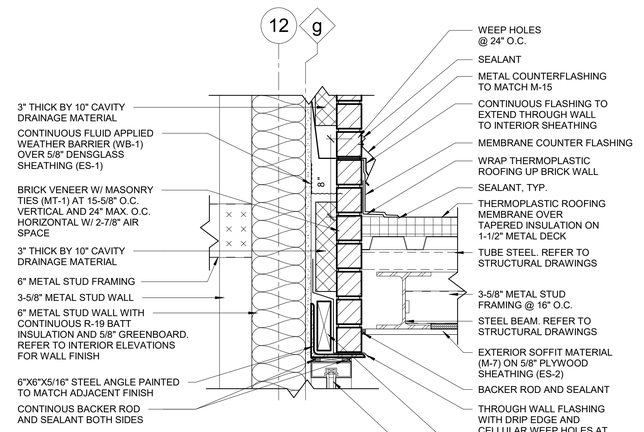
9 SOFFIT DETAIL
1 1/2" = 1'-0"



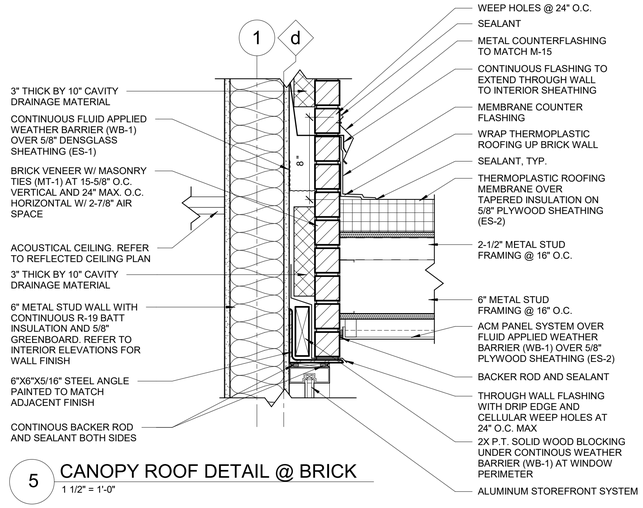
8 CANOPY ROOF DETAIL @ FIBER CEMENT SIDING
1 1/2" = 1'-0"



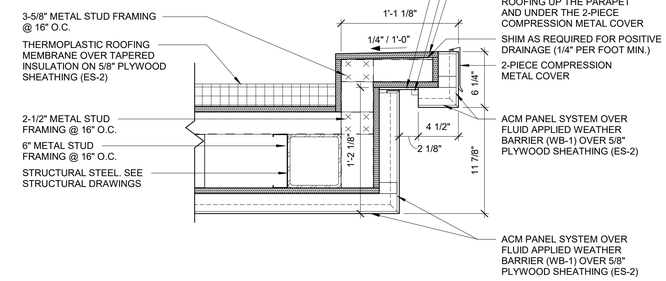
7 CANOPY FASCIA DETAIL
1 1/2" = 1'-0"



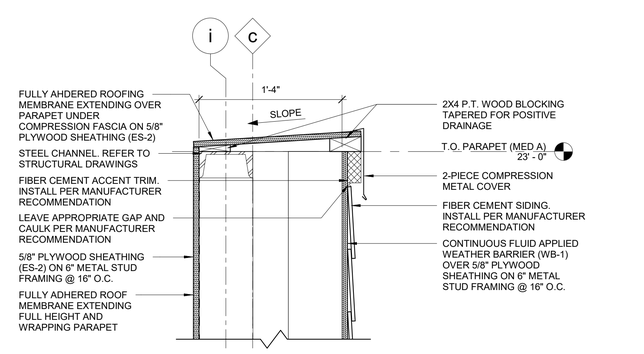
6 CANOPY ROOF DETAIL @ BRICK
1 1/2" = 1'-0"



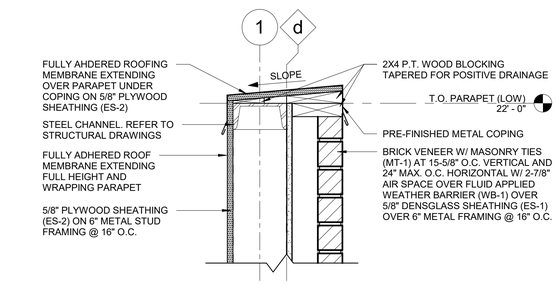
5 CANOPY ROOF DETAIL @ BRICK
1 1/2" = 1'-0"



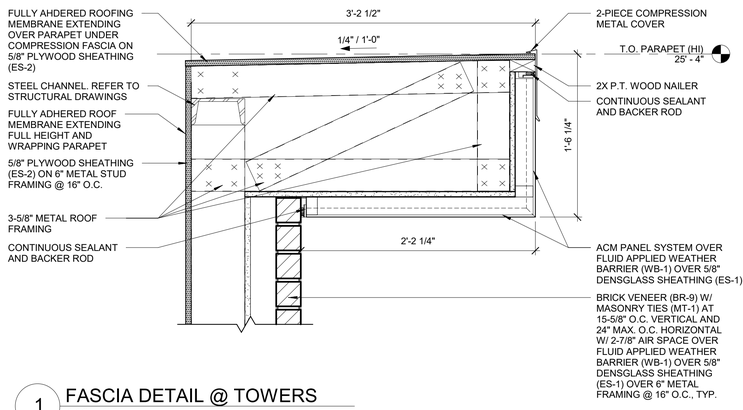
4 CANOPY FASCIA DETAIL
1 1/2" = 1'-0"



3 PARAPET DETAIL @ FIBER CEMENT SIDING
1 1/2" = 1'-0"



2 PARAPET DETAIL @ BRICK
1 1/2" = 1'-0"



1 FASCIA DETAIL @ TOWERS
1 1/2" = 1'-0"

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

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RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
09/15/23

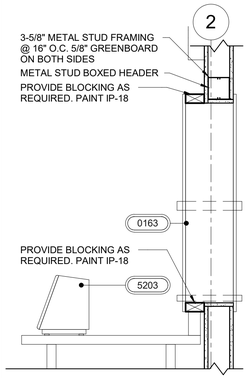
PROJECT NUMBER
2023157.20

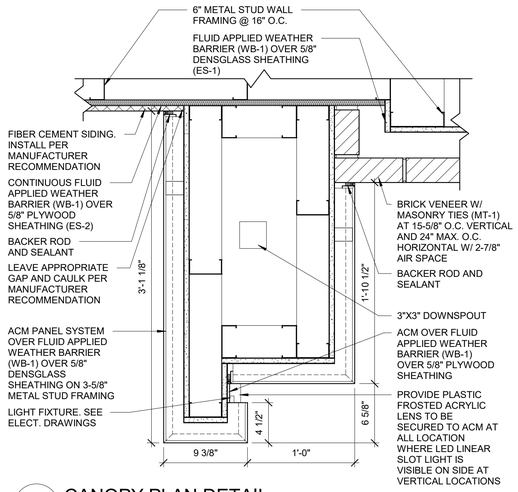
SHEET TITLE

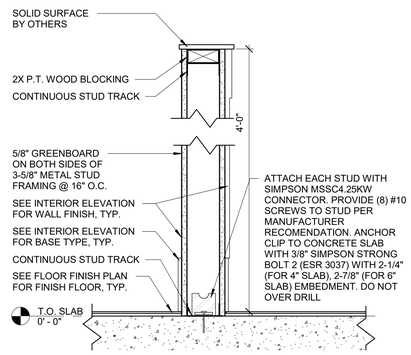
DETAILS

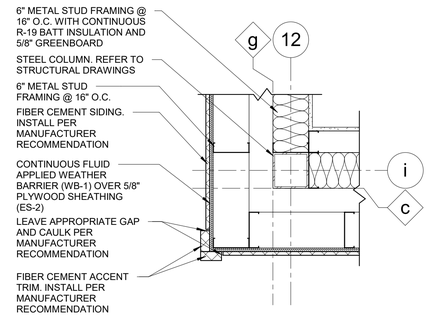
SHEET NUMBER

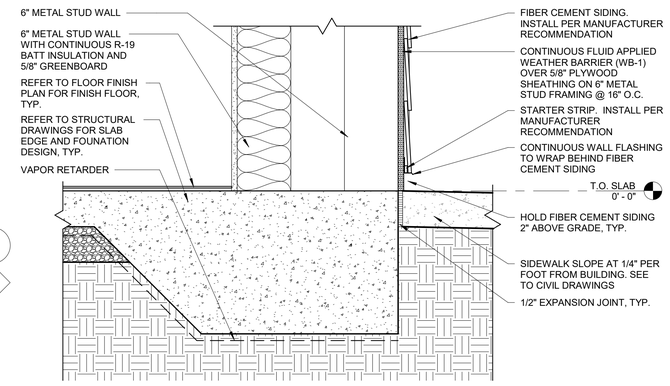
A430











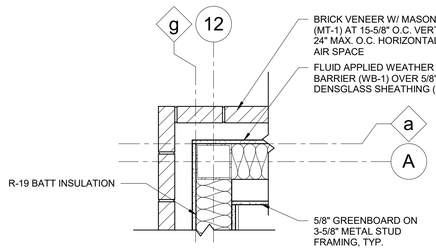
13 PASS THRU DETAIL
1" = 1'-0"

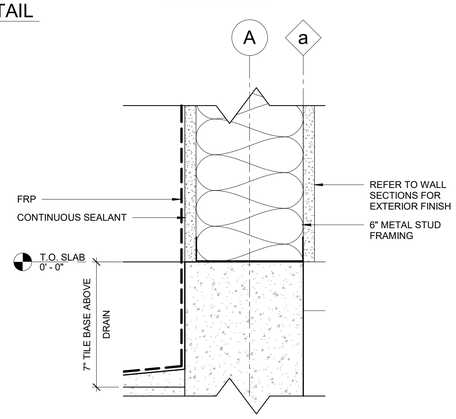
12 CANOPY PLAN DETAIL
1 1/2" = 1'-0"

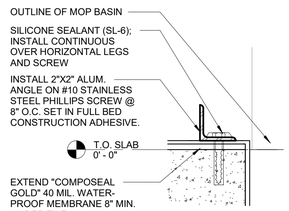
11 KNEE WALL DETAIL
1 1/2" = 1'-0"

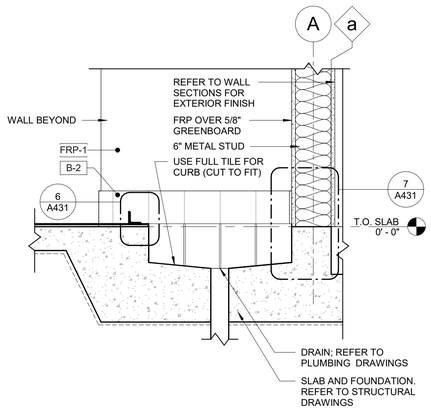
10 DETAIL @ FIBER CEMENT TRIM
1" = 1'-0"

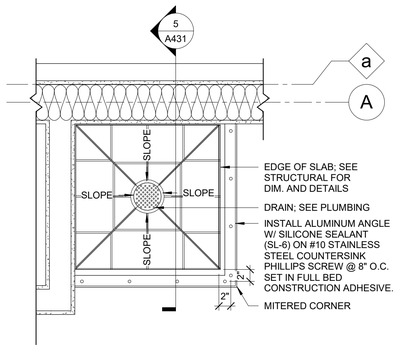
9 FOUNDATION DETAIL @ FIBER CEMENT SIDING
1 1/2" = 1'-0"











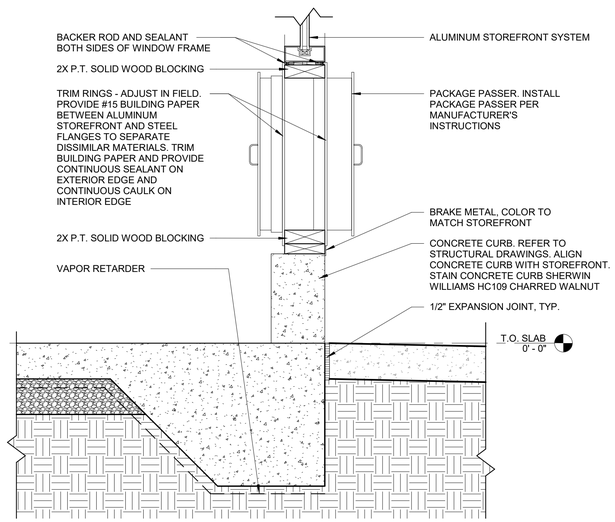
8 COLUMN DETAIL
1" = 1'-0"

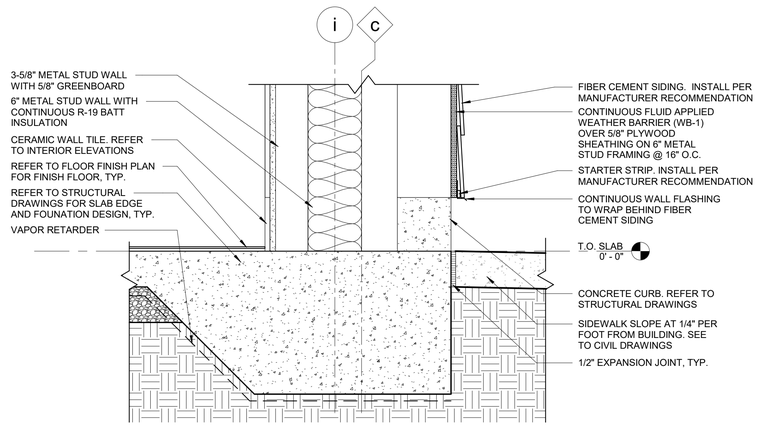
7 ENLARGED SECTION DETAIL
3" = 1'-0"

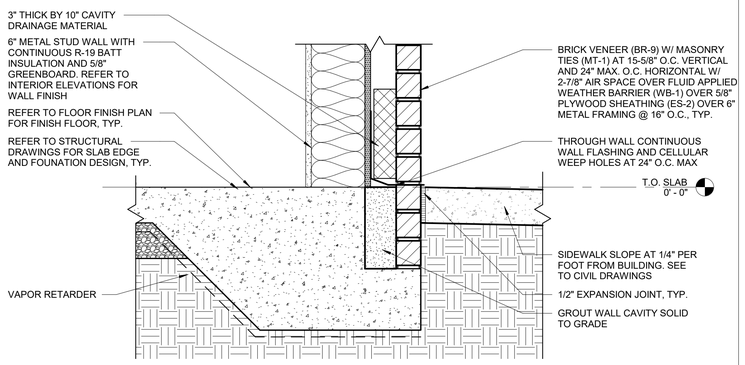
6 ENLARGED ALUMINUM ANGLE DETAIL
3" = 1'-0"

5 SECTION AT RECESSED MOP SINK
1" = 1'-0"

4 DETAIL AT RECESSED MOP SINK
1" = 1'-0"







3 PACKAGE PASSER
1 1/2" = 1'-0"

2 TYPICAL FOUNDATION DETAIL @ FIBER CEMENT SIDING
1 1/2" = 1'-0"

1 TYPICAL FOUNDATION DETAIL @ BRICK
1 1/2" = 1'-0"

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

DETAILS

SHEET NUMBER

A431

FINISH SCHEDULE

ID	MANUFACTURER	MATERIAL	FINISH	COMMENTS
BASE				
B-2	DALTILE	5"X6" QUARRY TEXTURES - ASHEN GRAY - OTO3 Q-3565		GROUT-1
B-3	ROPPE	VINYL COVE BASE - BLACK		
B-15	DALTILE	6"X12" VOLUMN 1.0 - STEREO GREY VL 73	-	GROUT-1
B-19	DALTILE	6"X12" VOLUMN 1 - AMPLIFY BLACK BASE - VL 70		GROUT-1
B-20	DALTILE	1"X6" VOLUMN 1 - AMPLIFY BLACK CORNER - VL 70		GROUT-1
CARPET				
C-1	--	ANTIFATIGUE MAT	-	FURNISHED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'
CEILING				
CL-1	ARMSTRONG	24"X48" #2712 DUNE SECOND LOOK	WHITE	15/16" WHITE GRID; ASTM E84 FLAME SPREAD INDEX 25 OR LESS, SMOKE DEVELOPMENT INDEX 50 OR LESS
CL-3	--	GREENBOARD WITH PAINTED FINISH	-	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
CL-4	--	COOLER/FREEZER PANEL		
CL-5	ARMSTRONG	24"X48" #870B CLEAN ROOM VL UNPERFORATED-HUMIGUARD PLUS		15/16" WHITE GRID; ASTM E84 FLAME SPREAD INDEX 25 OR LESS, SMOKE DEVELOPMENT INDEX 50 OR LESS
PAINT				
IP-4	SHERWIN WILLIAMS	7007 CEILING BRIGHT WHITE, BRILLIANCE HIGH PERFORMANCE	FLAT	GYPSUM BOARD SELECTED FOR INTERIOR FINISHES MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-14	SHERWIN WILLIAMS	RACETRAC RED (CUSTOM COLOR)	FLAT	GYPSUM BOARD SELECTED FOR INTERIOR FINISHES MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'. PROMAR 200 ZERO VOC INTERIOR LATEX EGG-SHELL. BASE: B20R02658 (REAL RED) 1 GALLON FORMULA: ADD: Y1-YELLOW (CCE) 10Y PER GALLON
IP-17	SHERWIN WILLIAMS	7073 NETWORK GRAY	SEMI-GLOSS	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-18	SHERWIN WILLIAMS	7071 GRAY SCREEN	EGGSHELL	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-19	SHERWIN WILLIAMS	7078 CYERSPACE - PRO INDUSTRIAL WATERBORNE ACRYLIC DRYFALL	FLAT	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-20	SHERWIN WILLIAMS	7074 SOFTWARE	EGGSHELL	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-21	SHERWIN WILLIAMS	VERY BLUE (CUSTOM COLOR MIX: EGGSHELL BASE: B66T01154 (W1-WHITE)(14) 1/32 OZ, (1) 1/64 OZ PER GALLON: (B1-BLACK)(7) 1/32 OZ, (1) 1/128 OZ PER GALLON: (L1-BLUE)(8) FULL OZ, (15) 1/32 OZ, (1) 1/64 OZ PER GALLON: (R3-MAGENTA)(2) FULL OZ, (26) 1/32 OZ PER GALLON)	EGGSHELL	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-22	SHERWIN WILLIAMS	7065 ARGOS	SEMI-GLOSS	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-23	SHERWIN WILLIAMS	6103 TEA CHEST	FLAT	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
TILE				
FT-2	DALTILE	6"X6" QUARRY TEXTURES - ASHEN GRAY - OTO3	-	INSTALL AT 90 DEGREE WITH 3/8" SPACING; GROUT G-1
FT-13	DALTILE	12"X24" VOLUME 1.0 - STEREO GREY VL 73	-	INSTALL PLANKS IN STRAIGHT STACKED PATTERN, 1/3 OFFSET ON 12"X12" TILE; 3/16" GROUT LINE; GROUT G-1
FT-14	DALTILE	12"X24" VOLUME 1 - AMPLIFY BLACK VL 70		INSTALL PLANKS IN STRAIGHT STACKED PATTERN, 1/3 OFFSET ON 12"X12" TILE; 3/16" GROUT LINE; GROUT G-1
WT-11	DALTILE	12"X24" VOLUME 1.0 - STEREO GREY VL 73	-	INSTALL PLANKS IN VERTICAL STRAIGHT STACKED PATTERN, 3/16" GROUT LINE; GROUT G-6
WT-12	DALTILE	12"X24" VOLUME 1 - SONIC WHITE - VL 75		INSTALL IN STRAIGHT STACKED PATTERN; GROUT G-5; 3/16" GROUT LINE
WT-13	DALTILE	12"X24" SHOWSCAPE - CURRANT RECTANGLE - SH17 (RED)		INSTALL IN STRAIGHT HORIZONTAL STACKED PATTERN; GROUT G-5; 3/16" GROUT LINE
WT-14	DALTILE	3"X6" COLOR WHEEL COLLECTION - COBALT BLUE - DM14		INSTALL IN STRAIGHT STACKED PATTERN; GROUT G-5; 3/16" GROUT LINE
WT-15	DALTILE	12"X24" SHOWSCAPE - CURRANT RECTANGLE CHEVRON - SH17		INSTALL IN STRAIGHT HORIZONTAL STACKED PATTERN; GROUT G-5; 3/16" GROUT LINE
WT-16	DALTILE	12"X24" SHOWSCAPE - STYLISH WHITE RECTANGLE - SH09		INSTALL IN STRAIGHT HORIZONTAL STACKED PATTERN; GROUT G-5; 3/16" GROUT LINE
WT-17	DALTILE	12"X24" SHOWSCAPE - STYLISH WHITE RECTANGLE - SH09		INSTALL IN STRAIGHT VERTICAL STACKED PATTERN; GROUT G-4; 3/16" GROUT LINE
WALL CLADDING				
FRP-1	MARLITE	P100 WHITE	WHITE	PROVIDED AND INSTALLED BY GC
WALL COVERING				
WC-16	WOLF GORDON	AZ5334PK PUZZLE SILK BIRCH-GREY, VERTICAL GRAIN	2ND SURFACE FINISH BY OTHERS	MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'. ROMAN PRO-977 ULTRA PRIME PRIMER, PIGMENTED WALL COVERING PRIMER #10305, 10301, 100% ACRYLIC POLYMER
WC-17	--	DREAMSCAPE SILK - NON-ALCH. COOLER WALLS		MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'. ROMAN PRO-977 ULTRA PRIME PRIMER, PIGMENTED WALL COVERING PRIMER #10305, 10301, 100% ACRYLIC POLYMER
WC-18	--	DREAMSCAPE SILK - ALCH. COOLER WALLS		MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'. ROMAN PRO-977 ULTRA PRIME PRIMER, PIGMENTED WALL COVERING PRIMER #10305, 10301, 100% ACRYLIC POLYMER
WC-19	--	WOOD GRAIN FINISH		MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'. ROMAN PRO-977 ULTRA PRIME PRIMER, PIGMENTED WALL COVERING PRIMER #10305, 10301, 100% ACRYLIC POLYMER
WC-20	--	DREAMSCAPE STORY WALL		MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'. ROMAN PRO-977 ULTRA PRIME PRIMER, PIGMENTED WALL COVERING PRIMER #10305, 10301, 100% ACRYLIC POLYMER
WINDOW FILM				
WF-1		WINDOW FILM; 3M PRESTIGE 70 SOLAR FILM	-	SEE A600 FOR WINDOW FILM LOCATIONS
WF-2		WINDOW FILM; OPAQUE	-	SEE A600 FOR WINDOW FILM LOCATIONS
FLASHING/WEEPS				
FL-1	-	STAINLESS STEEL THROUGH WALL FLASHING	COLOR TO MATCH BR-9	INSTALL AT ALL THROUGH WALL FLASHING LOCATIONS AND UNLESS NOTED OTHERWISE
FL-2	-	ANODIZED ALUMINUM SILL FLASHING AND TRIM	ANODIZED BRONZE TO MATCH STOREFRONT	INSTALL AT ALL WINDOW SILL S AND LOCATIONS ADJACENT TO ACM PANELS
WP-1	HOHMANN AND BARNARD, INC.	QV- QUADRO VENT	CLEAR	1/4" WIDTH, SEE SHEET C100. USE FOR EXTERIOR BRICK MORTAR
EXTERIOR SHEATHING				
ES-1	GEORGIA-PACIFIC GYPSUM.	5/8" DENSGLASS EXTERIOR SHEATHING		SCREW SIZE TO MATCH MANUFACTURER SPECIFICATIONS: # 6 x 1/4" BUNGLE HEAD SCREW
ES-2		5/8" EXT. GRADE CDX PLYWOOD SHEATHING: #10 TEKS SCREW @ 6" O.C.		
DENSGLASS SHEATHING ATTACHMENT CHART	WIND SPEED (MPH)	SCREWS (IN/O.C.)	NOTES: PROJECTS MUST ADHERE TO THE FOLLOWING REQUIREMENTS: 1. 5/8" THICK DENSGLASS MINIMUM. 2. 18 GAUGE STUD (MIN). 3. 16" O.C. STUD SPACING. 4. SCREWS DETERMINED BY MANUFACTURER. 5. SEE BUILDING WIND DESIGN FOR WIND SPEED. 6. WIND SPEED DETERMINED	
	115-169	8		
	170-215	6		
MASONRY TIES				
MT-1	HOHMANN & BARNARD, INC.	HB-213 ADJUSTABLE VENEER ANCHOR		BRICK/CMU TO STUD
MT-2	HOHMANN & BARNARD, INC.	#170-2X LOX-ALL ADJUSTABLE TRUSS EYE-WIRE LADDER REINFORCEMENT		BRICK TO CMU
MT-3	HECKMAN	POS-I-TIE VENEER ANCHOR		CULTURED STONE VENEER ANCHOR ORIENTED VERTICALLY.
BUILDING INSULATION - BASIS OF DESIGN				
INS-1	JOHNS MANSVILLE	ROOF INSULATION - RIGID INSULATION R-30 FLAME SPREAD 25 OR LESS. SMOKE DEVELOPED OF 0-450		
INS-2	JOHNS MANSVILLE	EXTERIOR WALL INSULATION - BATT INS. R-19 FLAME SPREAD 25 OR LESS		
WEATHER BARRIER				
WB-1	STO	STO GUARD GOLD COAT VAPOR PERMEABLE FLUID-APPLIED WATER BARRIER MEMBRANE WITH PVC STARTER STRIP/WEEP AND METAL FLASHING AS RECOMMENDED BY MANUFACTURER		

GROUT				
G-1	MAPEI	ULTRACOLORPLUS FA #10 BLACK		FLOORS AND WALLS
G-4	MAPEI	ULTRACOLORPLUS FA #00 WHITE		YOGURT WALLS
G-5	MAPEI	ULTRACOLORPLUS FA #103 COBLSTONE		BATHROOM WALLS
G-6	MAPEI	ULTRACOLOR PLUS FA #27 SILVER		SIDE ENTRANCE WALLS
SEALANT				
SL-1	DOW CORNING	#790 SILICONE SEALANT "LIMESTONE"		
SL-2	TREMCO	SPECTREM #3 LOW-MODULUS SILICONE SEALANT "LIGHT BRONZE"		USE AT EXPANSION JOINTS
SL-3	DOW CORNING	NEUTRAL CURE "CLEAR"		USE AT ALL EIFS PENETRATIONS
SL-5	PROSOCO SURE KLEAN	WEATHER SEAL SILOXANE PD WATER REPELLENT		USE AT CAST STONE
SL-6	DOW	DOWSIL GENERAL PURPOSE SILICONE SEALANT "CLEAR"		USE AT MOP SINK

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Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

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RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 040995
REGISTERED ARCHITECT
09/15/23

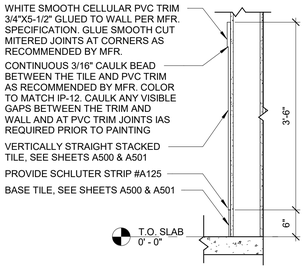
PROJECT NUMBER
2023157.20

SHEET TITLE

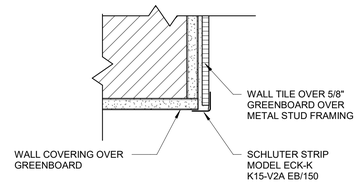
ROOM FINISH AND MATERIAL SCHEDULES

SHEET NUMBER

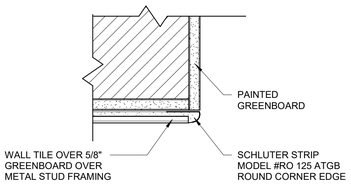
A500



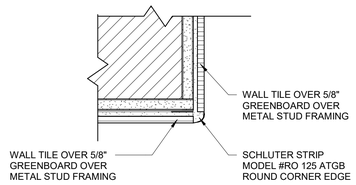
8 WAINSCOT DETAIL
3/4" = 1'-0"



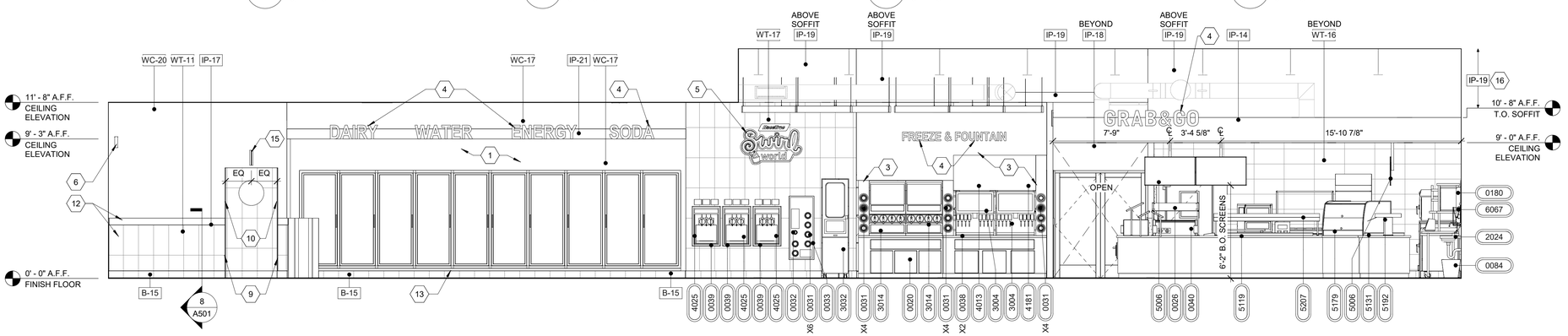
7 TILE TO GYP CORNER DETAIL
3" = 1'-0"



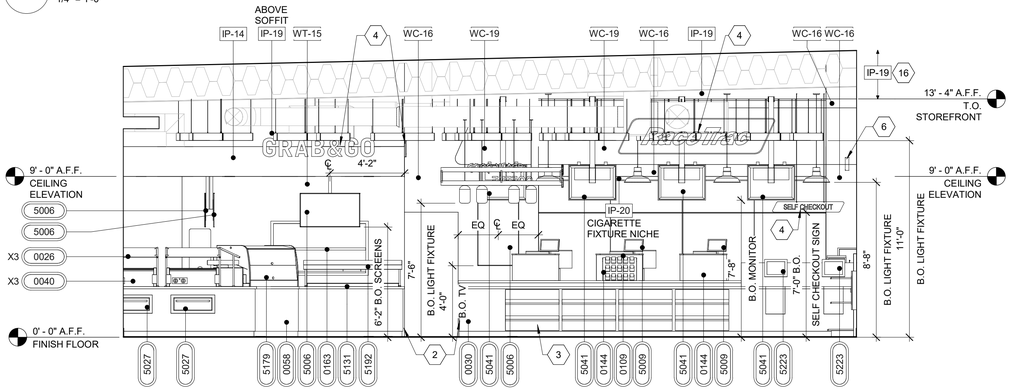
6 TILE TO GYP CORNER DETAIL
3" = 1'-0"



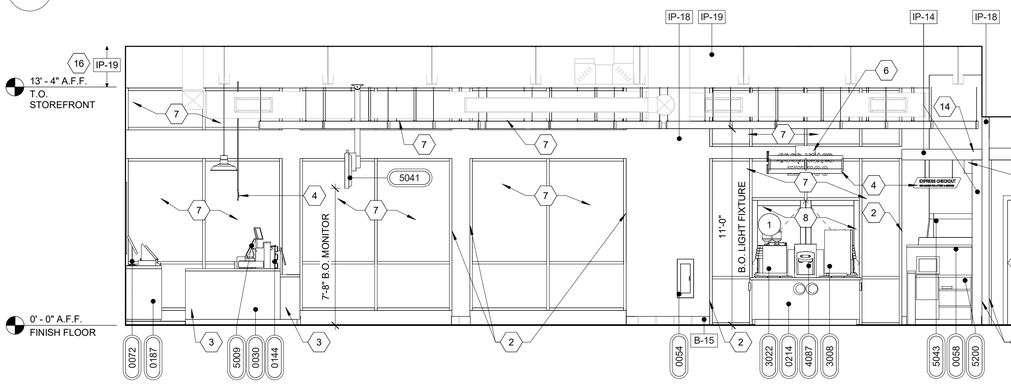
5 TILE TO TILE CORNER DETAIL
3" = 1'-0"



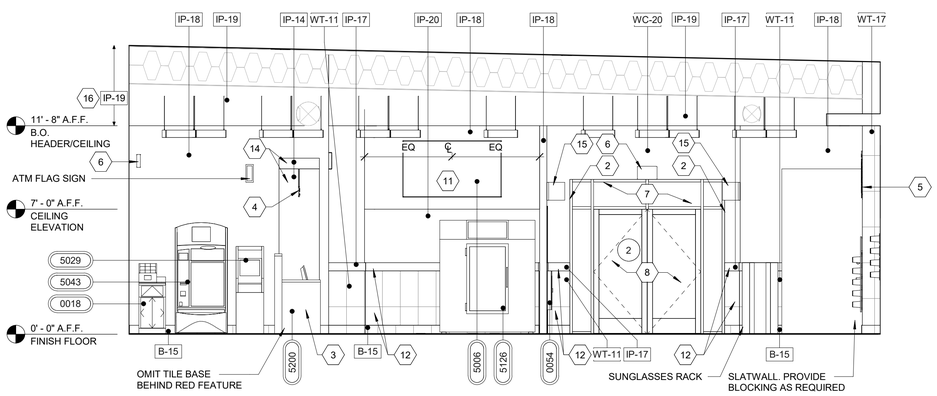
4 INTERIOR ELEVATION AT SALES FLOOR
1/4" = 1'-0"



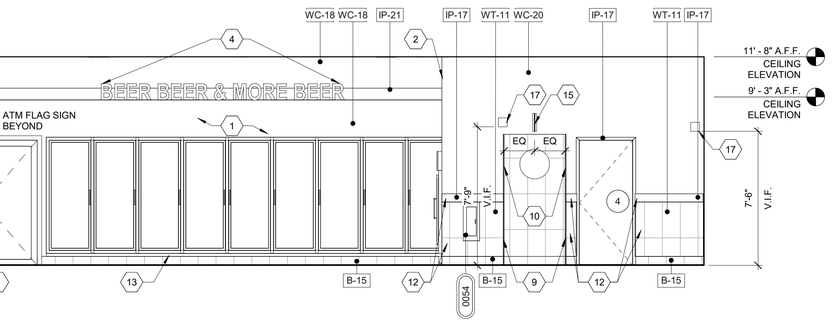
3 INTERIOR ELEVATION AT SALES FLOOR
1/4" = 1'-0"



2 INTERIOR ELEVATION AT SALES FLOOR
1/4" = 1'-0"



1 INTERIOR ELEVATION AT SALES FLOOR
1/4" = 1'-0"



GENERAL NOTES

1. ALL FINISH FLOOR ELEVATIONS TAKEN FROM TOP OF TILE.
2. COFFEE, FROZEN DRINK DISPENSER AND YOGURT MACHINES TO COMPLY WITH THE REACH RANGES OR 15" LOW & 48" HIGH PER 2010 ADA STANDARDS, SECTION 308
3. ALL SELF SERVICE STATIONS SHALL BE INSTALLED TO HAVE A MAX. REACH HEIGHT OF 48" AS MEASURED TO THE HIGHEST OPERABLE PART (44" IF REACH 20"-25")
4. DRINKING FOUNTAINS (2010 ADA SECTION 602): THE SPOUT SHALL BE LOCATED 15" MIN. FROM VERTICAL SUPPORT AND 5" MAX FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN AND SHALL BE LOCATED 5" MAX FROM THE FRONT OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAX. (MEASURED HORIZONTALLY FROM THE FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED BETWEEN 3" AND 5" MAX. FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAX.)
5. DRINKING FOUNTAINS (2010 ADA SECTION 602): DRINKING FOUNTAINS FOR STANDING PERSONS SHALL HAVE A SPOUT HEIGHT OF 38" TO 43" AND SHALL NOT COMPLY WITH ABOVE NOTE.
6. ALL INTERIOR METAL STUDS ARE 3-5/8" U.O.N.
7. ALL GYPSUM BOARD TO BE 5/8" THICK GREENBOARD PREPPED WITH ROMAN PRO-977 ULTRA PRIME PRIMER UNLESS NOTED OTHERWISE.
8. PROVIDE DRYWALL FINISH LEVEL 4 WHERE FLAT PAINTS, LIGHT TEXTURES OR WALLCOVERINGS ARE TO BE APPLIED.
9. PROVIDE DRYWALL FINISH LEVEL 4 WHERE GLOSS, SEMI-GLOSS, ENAMEL, OR NON-TEXTURED FLAT PAINTS ARE SPECIFIED OR WHERE SEVERE LIGHTING CONDITIONS OCCUR.
10. PROVIDE JOINT SEALANT AND JUNCTURE OF ALL DISSIMILAR MATERIALS.
11. INSTALL GREENBOARD ON OUTSIDE FACES OF WALK-IN COOLERS AND FREEZERS:
    A. LIGHTLY SAND SURFACE OF COOLER/FREEZER FACES TO INSURE BONDING OF ADHESIVE.
    B. ADHESIVE TO BE BOSTIK, ULTRA-SET APPROVED EQUAL.
    C. INSTALL GREENBOARD IN FULL BED OF ADHESIVE WITH NOTCHED TROWEL. PROVIDE INSTALLATION IN ACCORDANCE WITH THE ADHESIVE MANUFACTURERS PRINTED INSTRUCTIONS.
12. PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED FIXTURES AND EQUIPMENT.
13. REFERENCE SHEET A503 FOR FRP LAYOUTS.

SHEET KEYNOTES

1	SHEETROCK ENTIRE FACE OF WALK-IN COOLERS AND FREEZER PANELS. SEE GENERAL NOTE #11
2	PROVIDE SCHLUTER CORNER GUARD. 8' - 0" HIGH DEFENDER SERIES 2340. 1" UNDRILLED WITH ADHESIVE
3	MILLWORK BY MILLWORK VENDOR
4	MARKETING BY RACETRAC
5	SWIRL WORLD SIGN
6	EXIT SIGN
7	STOREFRONT SYSTEM BEYOND
8	STOREFRONT ENTRY AS SCHEDULED BEYOND WITH TRANSOM AND SIDELIGHTS
9	PROVIDE SCHLUTER CORNER GUARD. FULL HEIGHT OF TILE. SEE DETAIL 5/A501
10	PROVIDE SCHLUTER CORNER GUARD. SEE DETAIL 7/A501
11	PROVIDE BLOCKING FOR COMMERCIAL DISPLAYS PER MANUFACTURER RECOMMENDATIONS
12	42" HIGH TILE WAINSCOT BY GC. SEE DETAIL 8/A501
13	GC TO INSTALL BLACK FLAT .040 BRAKE METAL WITH HEMMED EDGES IN SPACE BETWEEN THE BOTTOM OF THE COOLER DOORS AND THE TOP OF THE BASE TILE. GC TO FIELD VERIFY HEIGHT
14	GC BUILT WALL AND SOFFIT.
15	RESTROOM SIGN BY OWNER CONFORMING TO ADA SPECIFICATIONS AND MOUNTING HEIGHT
16	CREATE A PAINT DATUM LINE TO ALIGN WITH THE TOP OF THE STOREFRONT (WHERE APPLICABLE). PAINT AS INDICATED DECK, BEAMS, DUCT WORK AND ALL FIXTURES SUPPORTS ABOVE INDICATED DIMENSION.
17	6"x6" ACCESS PANEL PROVIDED BY GC. COORDINATE THE EXACT LOCATION WITH THE CONDENSATE LINE WALL CLEANOUT PRIOR OF PLACING THE ACCESS PANEL. PAINT IP-22, SEE SHEET A500.

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RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

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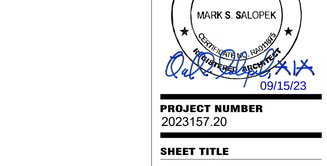
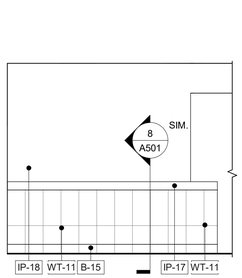
PROFESSIONAL SEAL



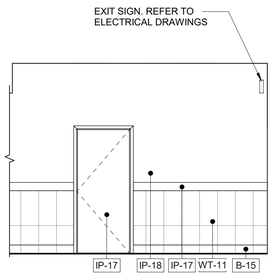
PROJECT NUMBER
2023157.20

SHEET TITLE
INTERIOR ELEVATIONS

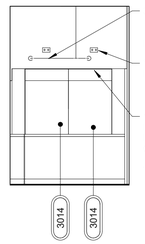
SHEET NUMBER
A501



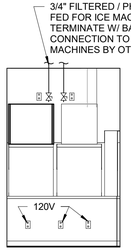
17 REAR ENTRY HALLWAY
1/4" = 1'-0"



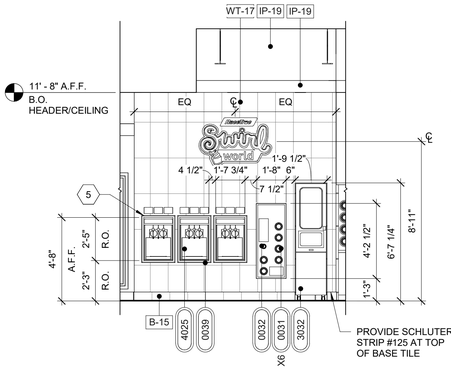
16 REAR ENTRY HALLWAY
1/4" = 1'-0"



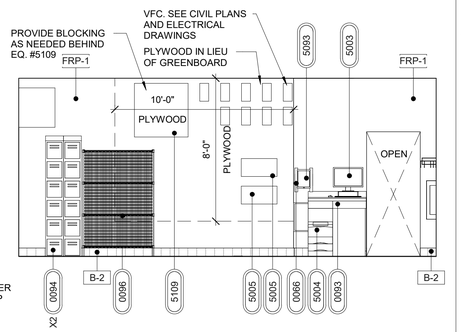
15 FCB REAR ELEV.
1/4" = 1'-0"



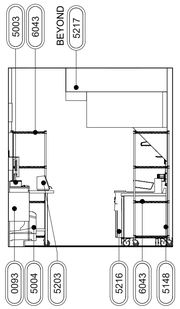
14 F. AREA REAR ELEV.
1/4" = 1'-0"



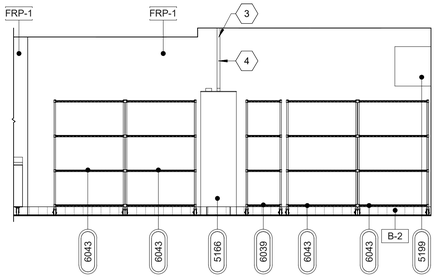
13 YOGURT WALL ELEV.
1/4" = 1'-0"



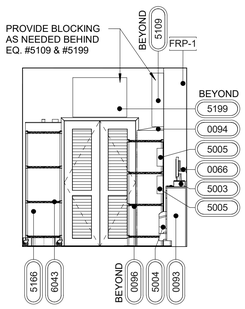
12 BACK OF HOUSE
1/4" = 1'-0"



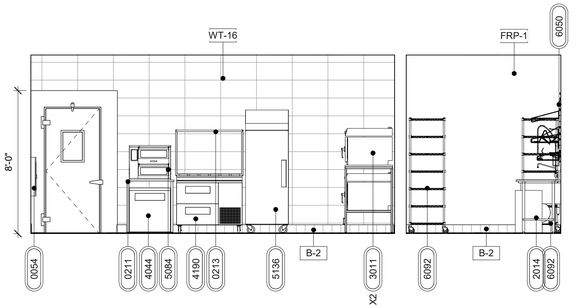
11 BACK OF HOUSE
1/4" = 1'-0"



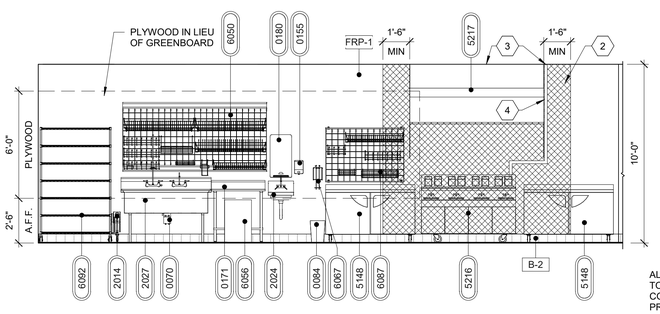
10 BACK OF HOUSE
1/4" = 1'-0"



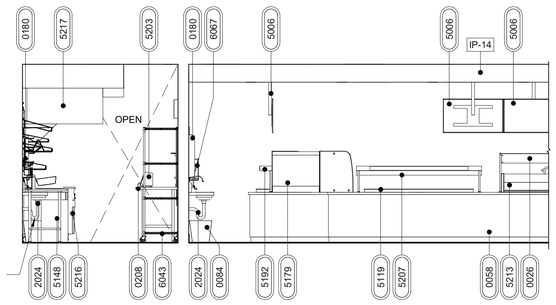
9 BACK OF HOUSE
1/4" = 1'-0"



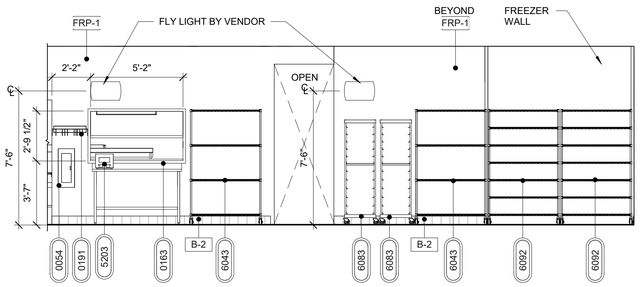
8 BACK OF HOUSE
1/4" = 1'-0"



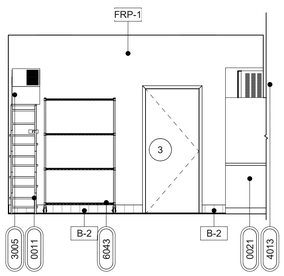
7 BACK OF HOUSE
1/4" = 1'-0"



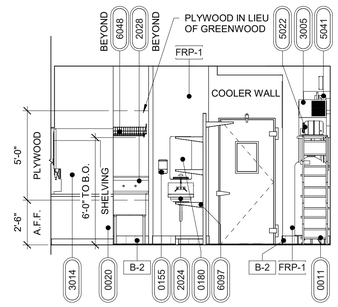
6 BACK OF HOUSE
1/4" = 1'-0"



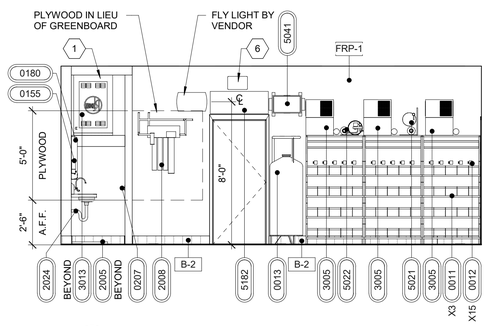
5 BACK OF HOUSE
1/4" = 1'-0"



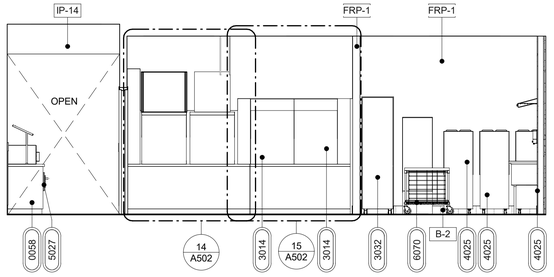
4 RECEIVING BACK OF HOUSE
1/4" = 1'-0"



3 RECEIVING BACK OF HOUSE
1/4" = 1'-0"



2 RECEIVING BACK OF HOUSE
1/4" = 1'-0"



1 RECEIVING BACK OF HOUSE
1/4" = 1'-0"

GENERAL NOTES

1. ALL FINISH FLOOR ELEVATIONS TAKEN FROM TOP OF TILE.
2. COFFEE, FROZEN DRINK DISPENSER AND YOGURT MACHINES TO COMPLY WITH THE REACH RANGES OR 15" LOW AND 48" HIGH PER 2010 STANDARDS, SECTION 9045.1
3. ALL SELF SERVICE STATIONS SHALL BE INSTALLED TO HAVE A MAX. REACH HEIGHT OF 48" AS MEASURED TO THE HIGHEST OPERABLE PART (44" IF REACH 20"-25")
4. DRINKING FOUNTAINS (2010 S.A.D. 602): THE SPOUT SHALL BE LOCATED 15" MIN. FROM VERTICAL SUPPORT AND 5" MAX FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN AND SHALL BE LOCATED 5" MAX FROM THE FRONT OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAX. (MEASURED HORIZONTALLY FROM THE FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED BETWEEN 3" AND 5" MAX. FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAX.)
5. DRINKING FOUNTAINS (2010 S.A.D. 602): DRINKING FOUNTAINS FOR STANDING PERSONS SHALL HAVE A SPOUT HEIGHT OF 34" TO 48" AND SHALL NOT COMPLY WITH ABOVE NOTE.
6. ALL INTERIOR METAL STUDS ARE 3-5/8" U.O.N.
7. ALL GYPSUM BOARD TO BE 5/8" THICK GREENBOARD PREPPED WITH KILTZ PRIMER UNLESS NOTED OTHERWISE.
8. PROVIDE DRYWALL FINISH LEVEL 4 WHERE FLAT PAINTS, LIGHT TEXTURES OR WALLCOVERINGS ARE TO BE APPLIED.
9. PROVIDE DRYWALL FINISH LEVEL 4 WHERE GLOSS, SEMI-GLOSS, ENAMEL, OR NON-TEXTURED FLAT PAINTS ARE SPECIFIED OR WHERE SEVERE LIGHTING CONDITIONS OCCUR.
10. PROVIDE JOINT SEALANT AND JUNCTURE OF ALL DISSIMILAR MATERIALS.
11. INSTALL GYPSUM BOARD ON OUTSIDE FACES OF WALK-IN COOLERS AND FREEZERS:
    - A. LIGHTLY SAND SURFACE OF COOLER/FREEZER FACES TO INSURE BONDING OF ADHESIVE.
    - B. ADHESIVE TO BE BOSTIK, ULTRA-SET APPROVED EQUAL.
    - C. INSTALL GYPSUM BOARD IN FULL BED OF ADHESIVE WITH NOTCHED TROWEL. PROVIDE INSTALLATION IN ACCORDANCE WITH THE ADHESIVE MANUFACTURERS PRINTED INSTRUCTIONS.
    - D. PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED FIXTURES AND EQUIPMENT.
12. REFERENCE SHEET A503 FOR FRP LAYOUTS.

SHEET KEYNOTES

1	WATER HEATER ON SHELF 6' - 1 1/2"
2	HATCHED AREA INDICATES LOCATION OF STAINLESS STEEL PANELS. EXTEND MINIMUM OF 18" BEYOND EDGE OF HOOD, FULL WALL HEIGHT. PROVIDED AND INSTALLED BY GC.
3	SEALANT AROUND PENETRATIONS THROUGH CEILING TILES.
4	COORDINATE OIL TANK LINES WITH VENDOR.
5	PROVIDE BEAD OF SILICONE (SL-6) ACROSS TOP OF YOGURT COLLARS ON BOTH SIDES, TYP. OF (3)
6	EXIT SIGN

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 DATE 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Certificate No. 039XXX
Registered Engineer
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

INTERIOR ELEVATIONS

SHEET NUMBER

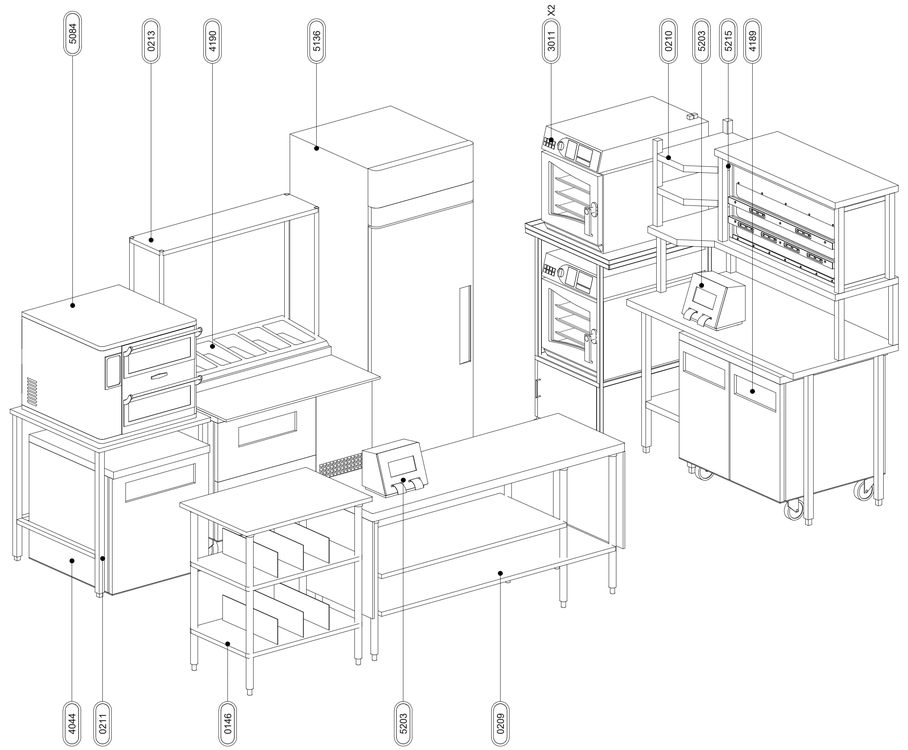
A502

GENERAL NOTES

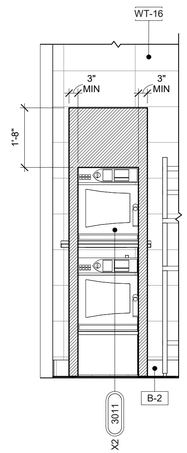
1. ALL FINISH FLOOR ELEVATIONS TAKEN FROM TOP OF TILE.
2. ALL INTERIOR METAL STUDS ARE 3-5/8" UNLESS NOTED OTHERWISE.
3. ALL GYPSUM BOARD TO BE 5/8" THICK GREENBOARD UNLESS NOTED OTHERWISE.
4. INSTALL GYPSUM BOARD ON OUTSIDE FACES OF WALK-IN COOLERS.
5. PROVIDE DRYWALL FINISH LEVEL 4 WHERE FLAT PAINTS, LIGHT FIXTURES OR WALL COVERINGS ARE TO BE APPLIED.
6. PROVIDE DRYWALL FINISH LEVEL 4 WHERE GLOSS, SEMI-GLOSS, ENAMEL, OR NON-TEXTURED FLAT PAINTS ARE SPECIFIED OR WHERE SEVERE LIGHTING CONDITIONS OCCUR.
7. ALL SELF SERVICE STATIONS SHALL BE INSTALLED TO HAVE A MAX. REACH HEIGHT OF 48" AS MEASURED TO THE HIGHEST OPERABLE PART.
8. COFFEE, FROZEN DRINK DISPENSER AND YOGURT MACHINES TO COMPLY WITH THE REACH RANGES OF 15" LOW AND 48" HIGH PER 2010 ADA STANDARDS SECTION 904.5.1.
9. SEE SHEET A500 FOR FINISH AND MATERIAL SCHEDULE.
10. SEE SHEET A141 FOR EQUIPMENT SCHEDULE.
11. ALL SHELVING SHALL BE INSTALLED BY RACETRAC VENDOR.

EQUIPMENT CLEARANCE FINISH

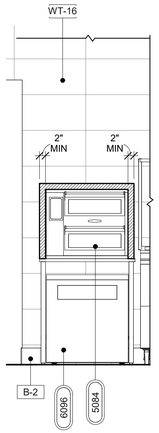
= AREA OF REQUIRED CLEARANCE



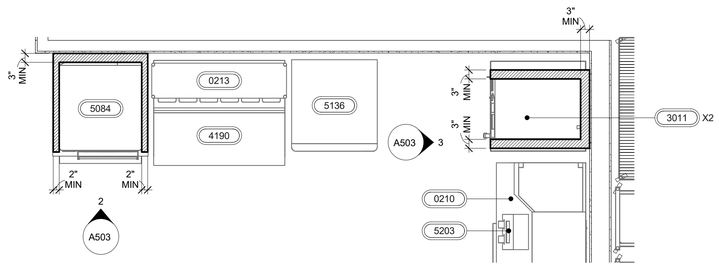
4 ISOMETRIC FOOD LINEUP



3 FOOD AREA ELEVATION CLEARANCES
1/2" = 1'-0"



2 FOOD AREA ELEVATION CLEARANCES
1/2" = 1'-0"



1 FOOD AREA PLAN CLEARANCES
1/2" = 1'-0"

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DESIGN PROFESSIONALS

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Registered Architect
09/15/23

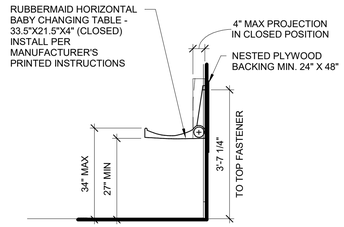
PROJECT NUMBER
2023157.20

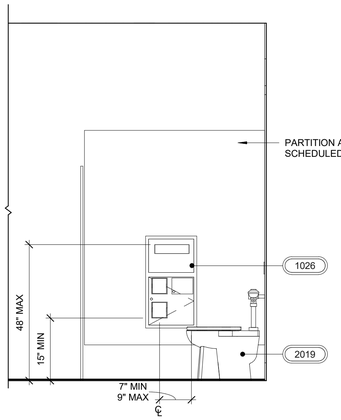
SHEET TITLE

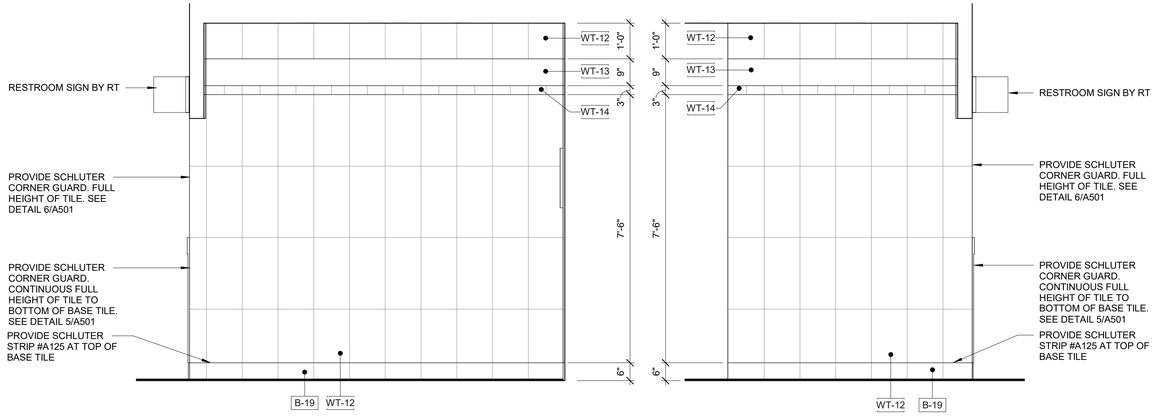
EQUIPMENT CLEARANCES & FRP LAYOUTS

SHEET NUMBER

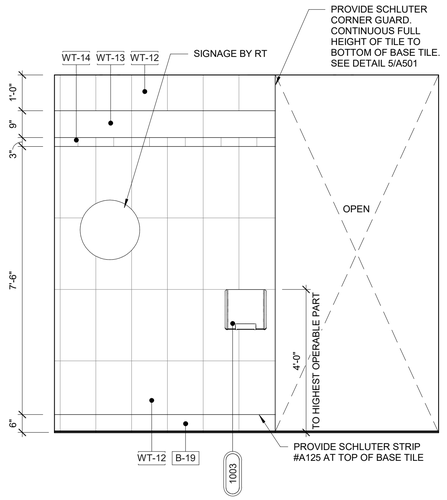
A503



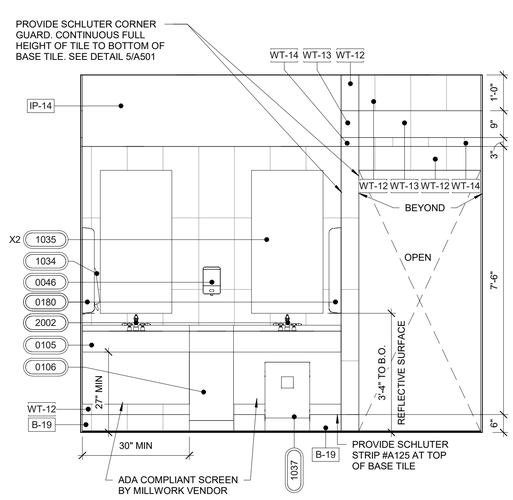




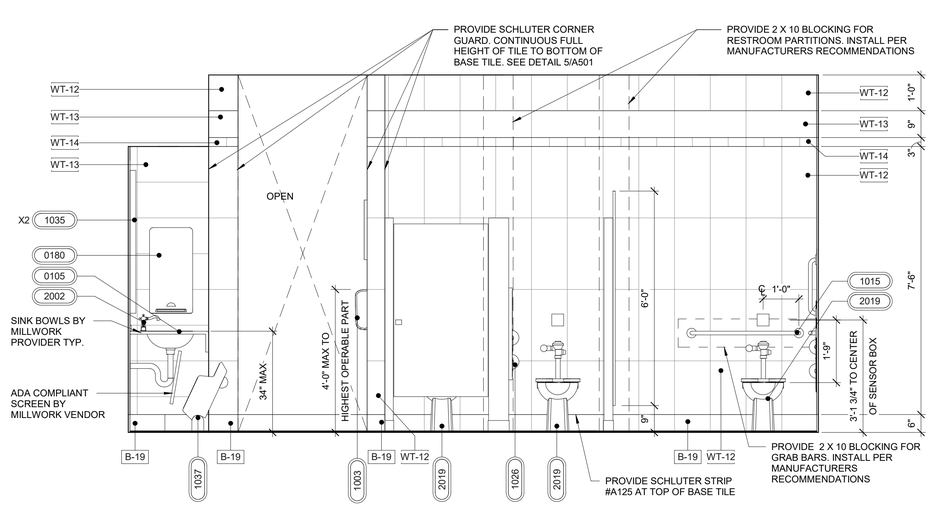
9 BABY CHANGING STATION
1/2" = 1'-0"



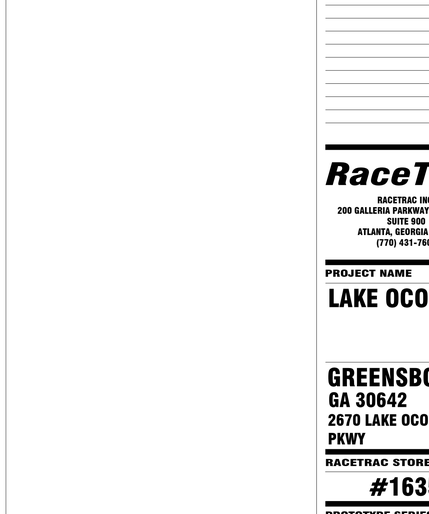
8 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"



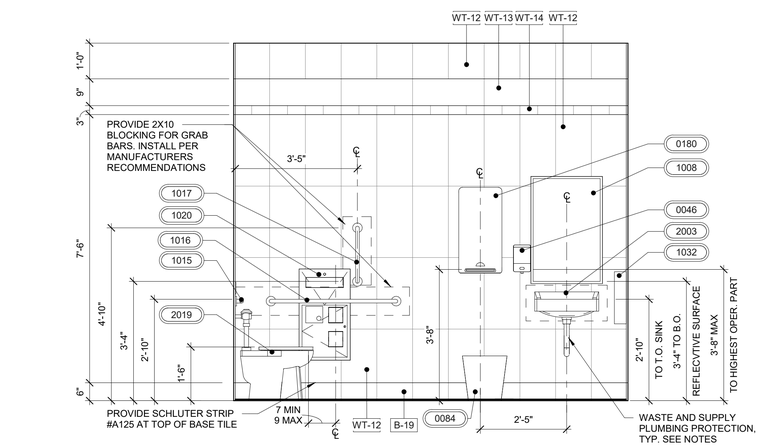
7 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"



6 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"

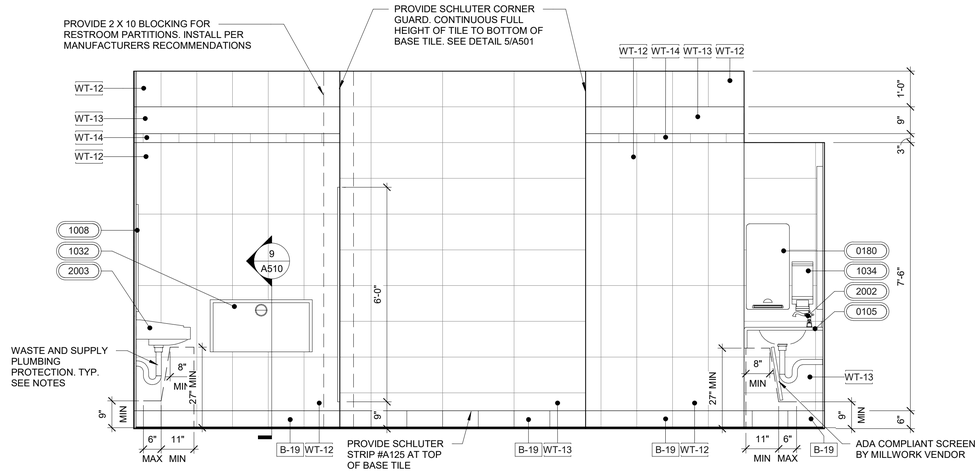


5 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"



4 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"

3 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"



2 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"

1 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"

GENERAL NOTES

1. RESTROOM PARTITION TO BE PROVIDED BY OWNER.
2. SEE A141 FOR EQUIPMENT & FIXTURE SCHEDULE.
3. SEE A001 FOR ACCESSIBILITY DETAILS.
4. PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED FIXTURES AND EQUIPMENT.
5. START WALL TILE LAYOUT AT TOP. CUT TILES TO BE AT BOTTOM OF WALL.

RaceTrac.

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 027185
REGISTERED ARCHITECT
09/15/23

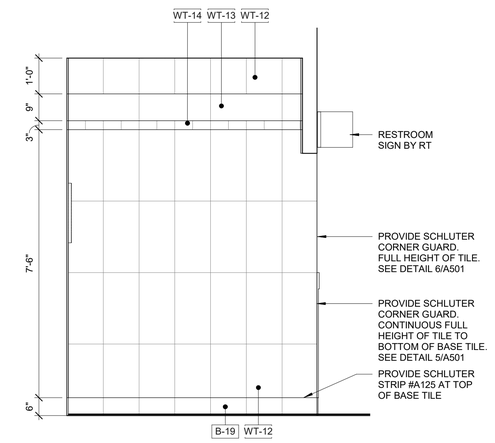
PROJECT NUMBER
2023157.20

SHEET TITLE

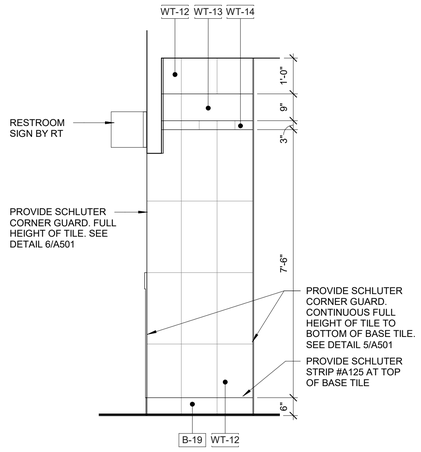
RESTROOM ELEVATIONS

SHEET NUMBER

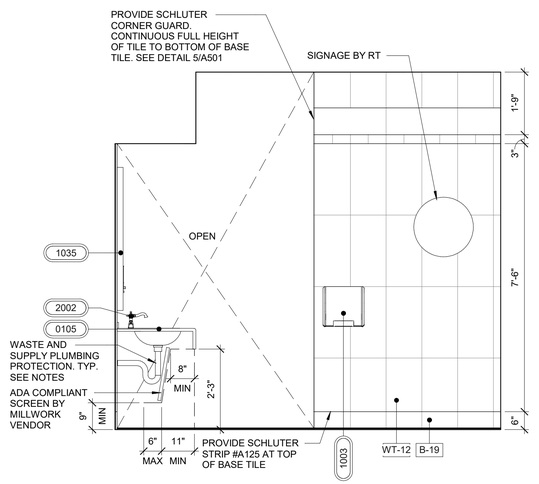
A510



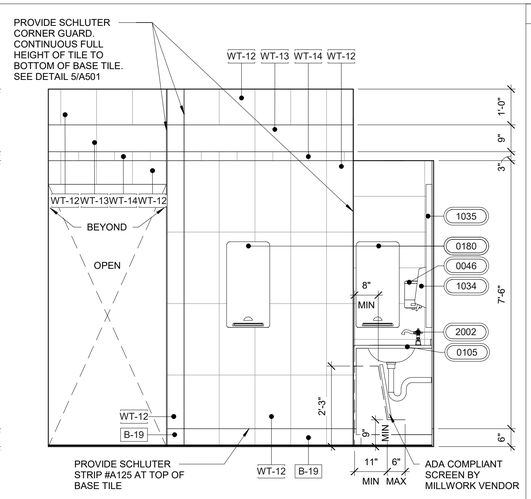
9 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"



8 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"



7 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"



6 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"

5 MEN'S RESTROOM STALL SECTION
1/2" = 1'-0"

4 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"

3 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"

2 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"

1 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"

GENERAL NOTES

1. RESTROOM PARTITION TO BE PROVIDED BY OWNER.
2. SEE A141 FOR EQUIPMENT & FIXTURE SCHEDULE.
3. SEE A001 FOR ACCESSIBILITY DETAILS.
4. PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED FIXTURES AND EQUIPMENT.
5. START WALL TILE LAYOUT AT TOP. CUT TILES TO BE AT BOTTOM OF WALL.

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Certificate of Authorization
Architectural Corporation
09/15/23

PROJECT NUMBER
2023157.20

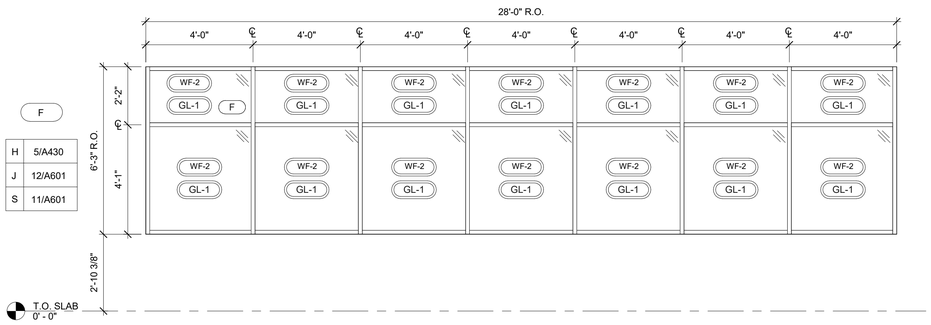
SHEET TITLE

RESTROOM ELEVATIONS

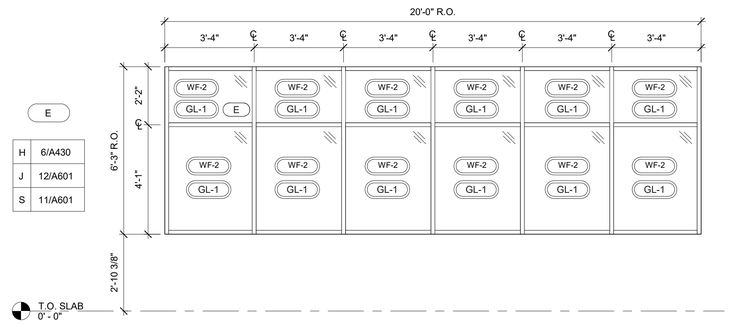
SHEET NUMBER

A511

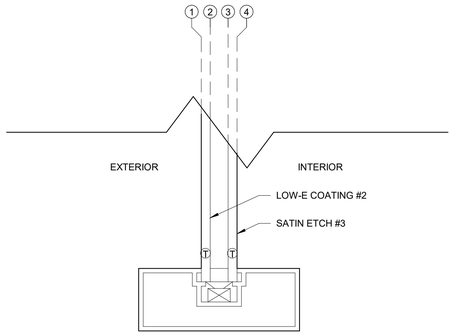
GLASS TYPES	
T	TEMPERED GLASS



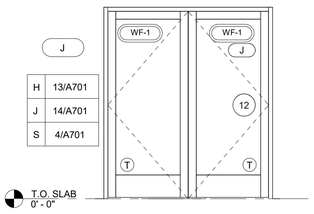
8 STOREFRONT ELEVATION F
3/8" = 1'-0"



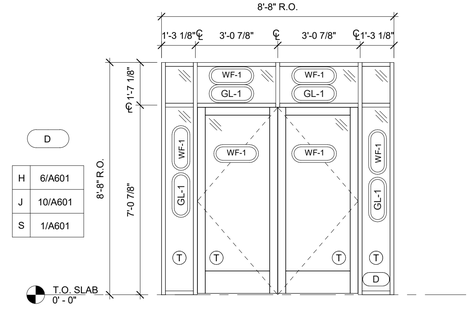
7 STOREFRONT ELEVATION E
3/8" = 1'-0"



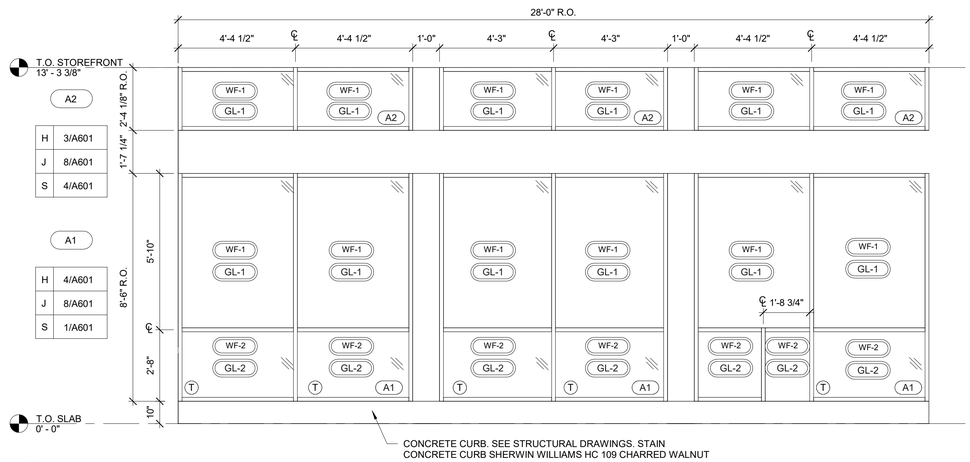
6 NON-IMPACT RATED GLAZING SYSTEM
6" = 1'-0"



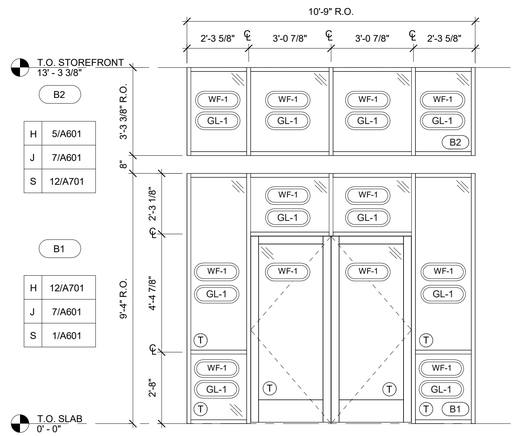
5 STOREFRONT ELEVATION J
3/8" = 1'-0"



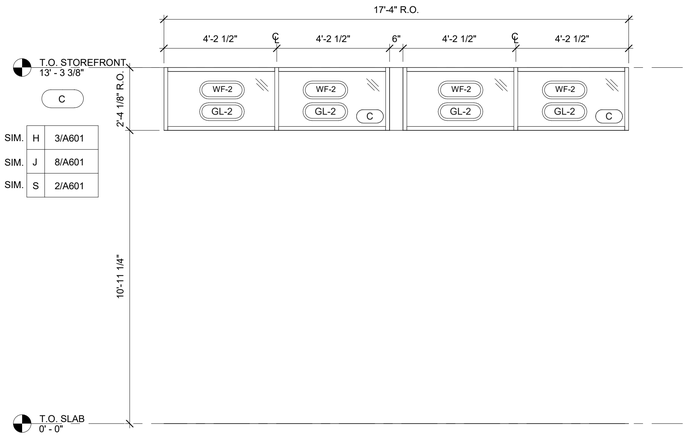
4 STOREFRONT ELEVATION D
3/8" = 1'-0"



3 STOREFRONT ELEVATION A
3/8" = 1'-0"



2 STOREFRONT ELEVATION B
3/8" = 1'-0"



1 STOREFRONT ELEVATION C
3/8" = 1'-0"

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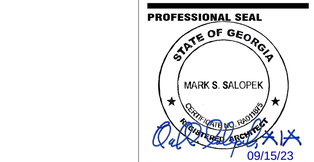
PROFESSIONAL SEAL



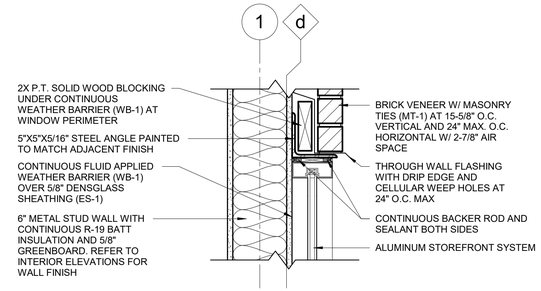
PROJECT NUMBER
2023157.20

SHEET TITLE

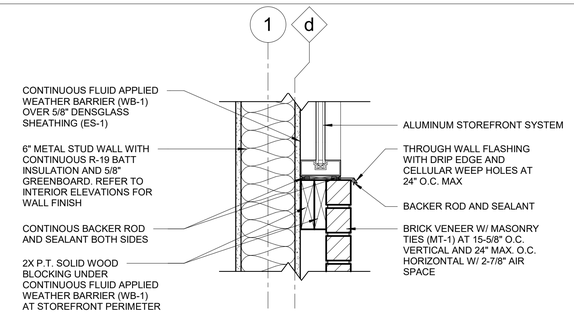
WINDOW ELEVATIONS AND DETAILS

SHEET NUMBER

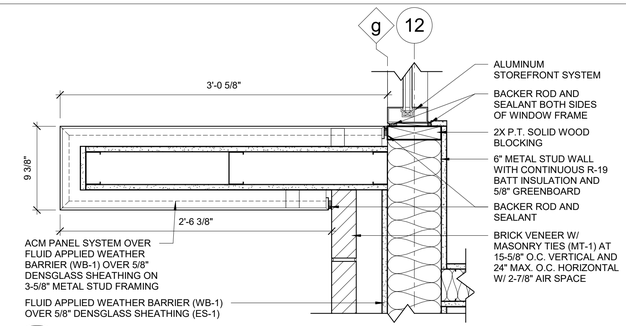
A600



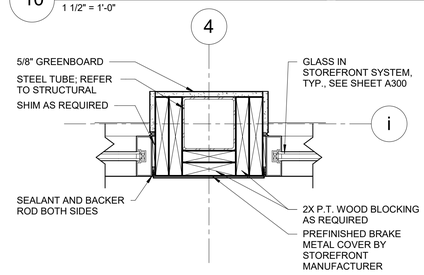
12 WINDOW JAMB AT FAUX WINDOW
1 1/2" = 1'-0"



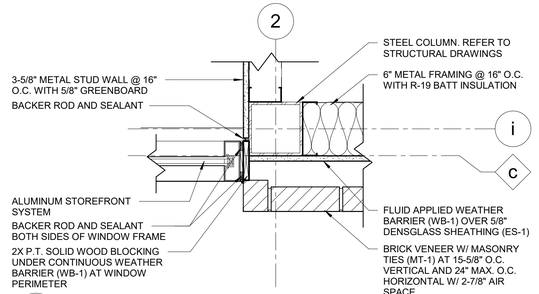
11 WINDOW SILL AT FAUX WINDOW
1 1/2" = 1'-0"



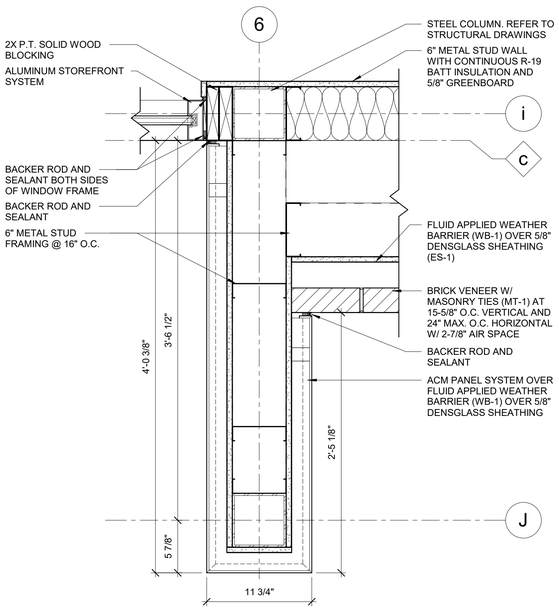
10 STOREFRONT JAMB DETAIL @ SIDE ENTRY
1 1/2" = 1'-0"



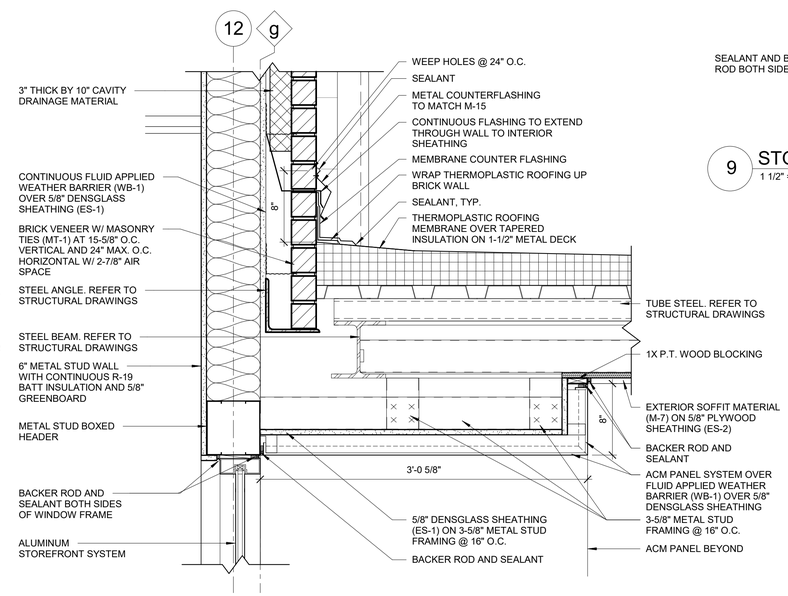
9 STOREFRONT DETAIL @ COLUMNS
1 1/2" = 1'-0"



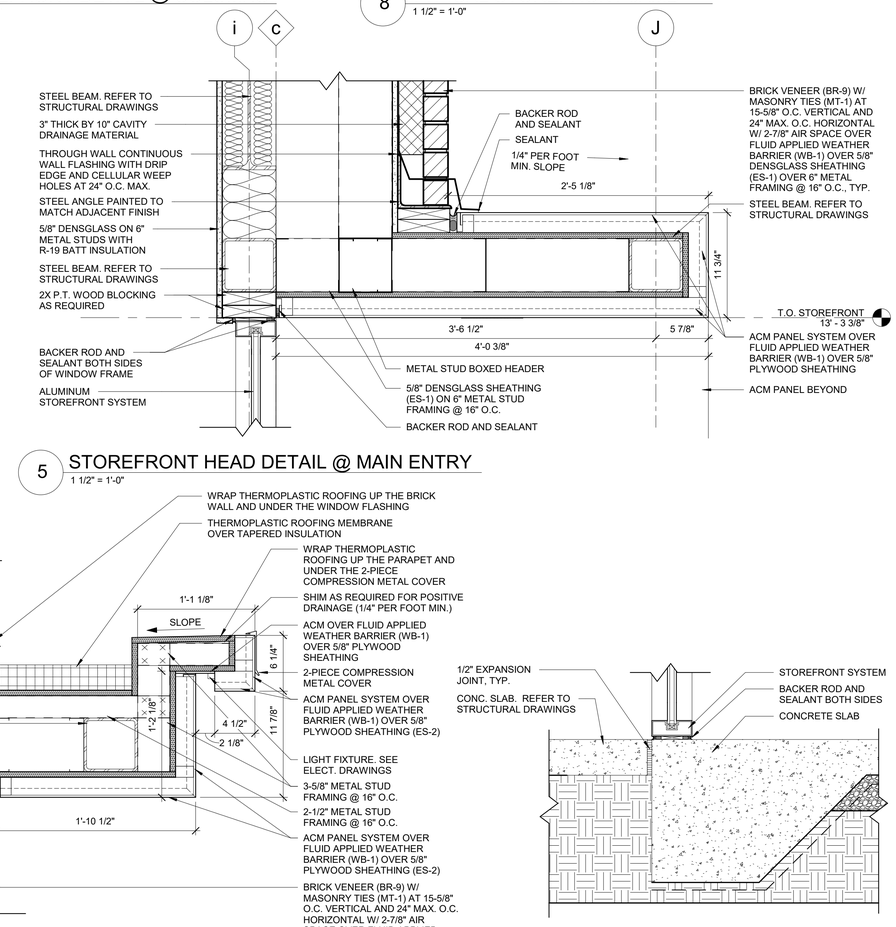
8 TYPICAL STOREFRONT JAMB
1 1/2" = 1'-0"



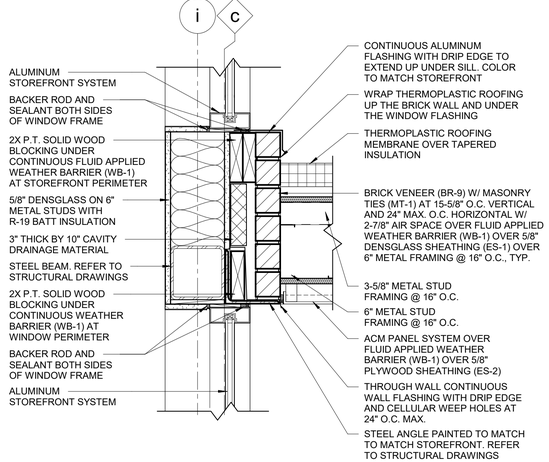
7 STOREFRONT JAMB DETAIL @ ENTRY
1 1/2" = 1'-0"



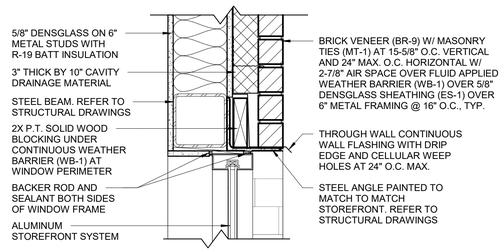
6 STOREFRONT HEAD DETAIL @ SIDE ENTRY
1 1/2" = 1'-0"



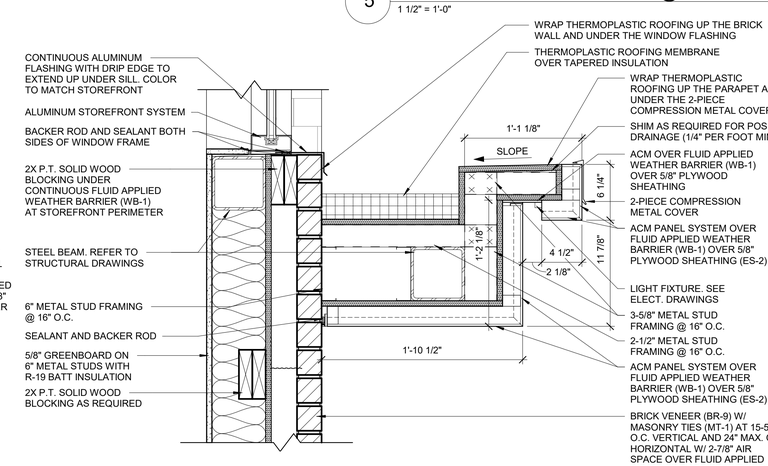
5 STOREFRONT HEAD DETAIL @ MAIN ENTRY
1 1/2" = 1'-0"



4 STOREFRONT HEAD/SILL DETAIL @ CANOPY
1 1/2" = 1'-0"



3 TYPICAL STOREFRONT HEAD DETAIL
1 1/2" = 1'-0"



2 STOREFRONT SILL DETAIL @ CANOPY
1 1/2" = 1'-0"

1 TYPICAL STOREFRONT SILL
1 1/2" = 1'-0"

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

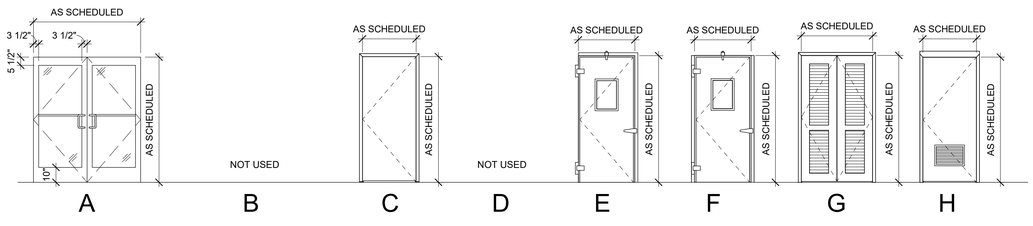
WINDOW DETAILS

SHEET NUMBER

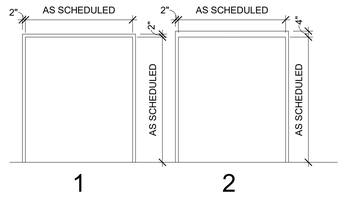
A601

DOOR SCHEDULE

MARK	LOCATION	DOORS									FRAME						HARDWARE SET	FIRE RATING	COMMENTS
		NUMBER OF LEAVES	DOOR TYPE	WIDTH	HEIGHT	DEPTH	MATERIAL	FINISH	MANUFACTURER	MODEL	FRAME TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL			
1	SALES AREA	2	A	6' - 0"	7' - 0"	0' - 1 3/4"	GLASS/ALUM	DARK BRONZE ANODIZED	OLD CASTLE	-	STOREFRONT 1	ALUMINUM	DARK BRONZE ANODIZED	12/A701	8/A701	4/A701	1	-	PAIR OF DOORS - MEDIUM STILE WITH 10" BOTTOM RAIL; SHGC VALUE - 0.27, U=VALUE = 6.0
2	SALES AREA	2	A	6' - 0"	7' - 0"	0' - 1 3/4"	GLASS/ALUM	DARK BRONZE ANODIZED	OLD CASTLE	-	STOREFRONT 1	ALUMINUM	DARK BRONZE ANODIZED	12/A701	8/A701	4/A701	1	-	PAIR OF DOORS - MEDIUM STILE WITH 10" BOTTOM RAIL; SHGC VALUE - 0.27, U=VALUE = 6.0
3	RECEIVING	1	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE PARTICLE BOARD	WILSONART CEMENT D503-60	VT INDUSTRIES	303H	2	HOLLOW METAL	IP-17	10/A701	6/A701	2/A701	3	-	UNDERCUT DOOR 1"
4	MOP SINK	1	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE PARTICLE BOARD	WILSONART CEMENT D503-60	VT INDUSTRIES	303H	1	HOLLOW METAL	IP-17	10/A701	6/A701	2/A701	3	-	UNDERCUT DOOR 1"
6	RECEIVING	1	E	3' - 0"	7' - 0"	0' - 2"	STEEL	EMBOSSED GALVANIZED	CROWNTONKA	#C3066C	BY MANUF.	GALVANIZED STEEL	EMBOSSED	--	--	--	4	-	DUAL THERMOMETER, HEATED VENT, LIGHT SWITCH. PROVIDE KICK PLATE AND VISION WINDOW.
7	BOH	1	E	3' - 0"	7' - 0"	0' - 2"	STEEL	STAINLESS	CROWNTONKA	#C3066C	BY MANUF.	GALVANIZED STEEL	EMBOSSED	--	--	--	4	-	DUAL THERMOMETER, HEATED VENT, LIGHT SWITCH. PROVIDE KICK PLATE AND VISION WINDOW.
8	COOLER	1	F	3' - 0"	7' - 0"	0' - 2"	STEEL	STAINLESS	CROWNTONKA	#F3066C	BY MANUF.	GALVANIZED STEEL	EMBOSSED	--	--	--	4	-	DUAL THERMOMETER, HEATED VENT, LIGHT SWITCH. PROVIDE KICK PLATE AND VISION WINDOW.
9	DATA	2	G	4' - 0"	7' - 0"	0' - 1 3/4"	WOOD	IP-17	MILLENIUM	7902	1	HOLLOW METAL	IP-17	10/A701	6/A701	2/A701	7	-	LOUVERED DOOR
10	DUMPSTER ENCLOSURE STORAGE	1	H	3' - 0"	7' - 0"	0' - 1 3/4"	HOLLOW METAL	EP-15	-	-	2	HOLLOW METAL	EP-15	8/A011	11/A011	--	5	-	INSULATED DOOR; PROVIDE 18" X 12" LOUVERED VENT
11	RECEIVING	1	C	3' - 0"	7' - 0"	0' - 1 3/4"	HOLLOW METAL	EP-15	-	-	2	HOLLOW METAL	EP-15	9/A701	5/A701	1/A701	2	-	PAIR OF DOORS - MEDIUM STILE WITH 10" BOTTOM RAIL; SHGC VALUE - 0.27, U=VALUE = 6.0
12	SALES AREA	2	A	6' - 0"	7' - 0"	0' - 1 3/4"	GLASS/ALUM	DARK BRONZE ANODIZED	OLD CASTLE	-	STOREFRONT 1	ALUMINUM	DARK BRONZE ANODIZED	13/A701	14/A701	4/A701	1	-	PAIR OF DOORS - MEDIUM STILE WITH 10" BOTTOM RAIL; SHGC VALUE - 0.27, U=VALUE = 6.0



B DOOR TYPES
SCALE: 1/4" = 1'-0"



A FRAME TYPES
SCALE: 1/4" = 1'-0"

DOOR HARDWARE

GROUP 1 DOUBLE ENTRY DOORS

QTY	ITEM	DESCRIPTION	MODEL NUMBER	FINISH
2	CONTINUOUS HINGES	ROTON	ROTON 224HD	313
1	3 POINT LOCK, THRESH. RPD, HEADER BOLT	ADAMS RITE	MS1850-505/4015/4016	313
1	THUMBTURN	ADAMS RITE	CY-3	313
1	PERMANENT KEY CORE (G KEYWAY) BY RACETRAC	BEST	#IC6GI-626	613
1	CYLINDER HOUSING SFIC	SCHLAGE	80-133	613
2	CLOSER	LCN	4040 XP	695
2	DROP PLATE	LCN	4040-18PA	695
2	FLUSH BOLTS	OBE	FB-1201	613
1	DUST PROOF STRIKE	IVES	DPI	613
2	SETS PUSH PULLS	OBE	PH-20 & PB-21	313
1	THRESHOLD	OBE	TH-43	AL
2	DOOR BOTTOM SEALS	OBE	D118/D120	313

SET 2: RECEIVING

QTY	ITEM	MANUFACTURER	MODEL NUMBER	FINISH
3	STANDARD HINGES	MCKINNEY	MPB91 - 4 1/2" X 4 1/2" US32D-NRP	US32D-NRP
1	CYLINDER	LOCKNET	LN2049C SFIC MORTISE CYLINDER	626
1	RIM CYLINDER	LOCKNET	LN2050	
1	PERMANENT KEY CORE (G) KEYWAY) BY RACETRAC	BEST	#IC6G1-626	613
1	SURFACE CLOSER	YALE	3501-PA 689	689
1	KICK PLATES	ROCKWOOD	K1050 8"X34"	US32D
1	LOCK PROTECTOR	ROCKWOOD	SD1260 US32D	US32D
1	THRESHOLD	PEMKO	254 72"	
1	WEATHERSTRIPPING	PEMKO	18062CNB 36"	C
1	WEATHERSTRIPPING	PEMKO	303AV-72"X84"	A
1	MISCELLANEOUS ITEM	PEMKO	PEMKO 346A 76"	A
1	MISCELLANEOUS ITEM	DON-JO	HDCC-3012-626	626
1	FLUSH BOLT	ROCKWOOD	555 12"	626
1	PANIC DEVICE	DETEX	V4003 P 628 94 EB	

SET 3: MOP SINK/RECEIVING

QTY	ITEM	MANUFACTURER	MODEL NUMBER	FINISH
3	HINGES	MCKINNEY	MPB79	626
1	10" KICK PLATE	ROCKWOOD	K1050	630
1	6" MOP PLATE	ROCKWOOD	K1050	630
1	STOREROOM LOCK	YALE	5405LN	630
1	CLOSER	YALE	1101	689
1	DOOR WALL STOP	ROCKWOOD	409	630
1	THRESHOLD	-	2" WIDE MARBLE TO MATCH LEVEL OF TILE	-

SET 4: COOLER/FREEZER

QTY		MANUFACTURER	MODEL NUMBER	FINISH
1 PR	HINGES	BY COOLER / FREEZER MANUFACTURER		-
1	LOCKSET	BY COOLER / FREEZER MANUFACTURER		-
1	CLOSER	BY COOLER / FREEZER MANUFACTURER		-
1	KICK PLATE	BY COOLER / FREEZER MANUFACTURER		-

SET 5: DUMPSTER ENCLOSURE STORAGE

QTY		MANUFACTURER	MODEL NUMBER	FINISH
1 PR	HINGES	PEMKO	CFM83HD1	628
1	FLUSH BOLT	ROCKWOOD	580	626
1	DEADLOCK	FALCON	D141 BDC	689
1	PERMANENT KEY CORE	BY RACETRAC	-	626
1	DOOR PULL	ROCKWOOD	107 X 70C	630
1	OVERHEAD HOLDER/STOP	DONJO	3212	SP28
1	OVERHEAD RAIN DRIP	PEMKO	346 A	-
1	KICK PLATES (INTERIOR)	ROCKWOOD	10"X34" K1050	630
1	KICK PLATES (EXTERIOR)	ROCKWOOD	10"X34" K1050	630
1	THRESHOLD	PEMKO	171A	627
1	SET DOOR SEALS	PEMKO	S88D	627
1	DOOR BOTTOM SEALS	PEMKO	18062CNB	627
1	ASTRAGAL	BY HM DOOR MANUF.	-	627

SET 7: DATA CLOSET

QTY	ITEM	MANUFACTURER	MODEL NUMBER	FINISH
6	STANDARD HINGE	MCKINNEY	MPB79 4 1/2" X 4 1/2" NRP	US26D
2	FLUSH BOLT	ROCKWOOD	555	US26D
1	LOCKSET	YALE	B-PB 4705LN RHR	626
1	WALL DOOR STOP	ROCKWOOD	409	US32D
1	MISCELLANEOUS ITEM	ROCKWOOD	570	US26D
3	DOOR SILENCER	ROCKWOOD	608	

DOOR GENERAL NOTES

1. ALL DOOR GLAZING SHALL BE TEMPERED.
2. REFER TO SHEET A001 FOR ADA AND OTHER CODE REQUIREMENTS.
3. REFER TO DOOR AND GLAZING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. DOOR THICKNESS SHALL BE A MINIMUM OF 18 GAUGE MATERIAL.
5. EGRESS DOORS SHALL BE A MINIMUM OF 3'-0" IN WIDTH, 6'-8" IN HEIGHT.
6. DOORS OPEN A MINIMUM OF 90 DEGREES. (2018 IBC 1010.1.1)
7. CLEAR WIDTH OF DOORWAY SHALL BE 32" MINIMUM. (2010 ADA 404.2.3)
8. DOUBLE DOORS - AT LEAST ONE MUST COMPLY WITH THE STATEMENTS ABOVE.
9. BOTTOM 10" OF DOOR SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE, KICK PLATE. (2010 ADA 404.2.10)
10. VERTICAL CLEARANCE SHALL BE 80" MIN. DOOR CLOSER AND DOOR STOPS SHALL BE PERMITTED TO BE 78" ABOVE FINISHED FLOOR (2010 ADA 307.4)
11. EFFORT TO OPERATE DOORS IS WITHIN PRESSURE ALLOWED.
    A. INTERIOR DOORS - 5 LBS. MAXIMUM PRESSURE TO OPERATE. (2010 ADA 404.2.9)
    B. EXTERIOR DOORS - 15 LBS. MAXIMUM PRESSURE TO OPERATE (2010 ADA 404.2.9)
12. ALL DOORS TO HAVE LEVER HANDLES OR EQUIVALENT MOUNTED NOT MORE THAN 42 INCHES ABOVE FINISHED FLOOR.
13. EXIT/EGRESS DOORS TO MEET NFPA 101 LIFE SAFETY AND NFPA FIRE SAFETY REQUIREMENTS AS APPLICABLE.

DOOR HARDWARE NOTES

1. EGRESS DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. (2018 IBC 1010.1.9)
2. OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 48" ABOVE FINISH FLOOR. (2018 IBC 1010.1.9.2)

DOOR THRESHOLD

1. FLOOR(S) OR LANDING(S) SHALL NOT BE MORE THAN 1/2" LOWER THAN THE TOP OF THE THRESHOLD DOORWAY. (2010 ADA 404.2.5)
2. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A GRADIENT OF 1:2. (2010 ADA 303.3) NOTE: A 1/2" MAXIMUM VERTICAL EDGE IS ALLOWABLE AT THRESHOLDS.

DOOR CLOSER

1. DOOR CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. (2010 ADA 404.2.8.1)
2. SPRING HINGES: DOOR & GATE HINGES SHALL BE ADJUSTED SO THAT FROM A POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO A CLOSED POSITION IN 1.5 SECONDS MINIMUM (2010 ADA 404.2.8.2)

COAT HOOK

1. THE MOUNTING HEIGHT FOR THE COAT HOOK AT THE ACCESSIBLE STALLS SHOULD BE AT 48" MAX TO THE TOP OF COAT HOOK. PER 2010 ADA.

HARDWARE FINISHES

1. HINGES (EXTERIOR): 630 (US32D) SATIN STAINLESS STEEL.
2. CONTINUOUS HINGES: 313 DARK BRONZE ANODIZED (ALUMINUM DOORS) AND 628 CLEAR ANODIZED (HOLLOW METAL DOORS).
3. HINGES (INTERIOR METAL DOORS): 652 (US26D).
4. LOCKS: 626 (US26D) SATIN CHROME PLATED.
5. EXIT DEVICES WITH BATTERY POWERED ALARMS: 628 (US28).
6. DOOR CLOSER: 689 (POWDER COATED).
7. PUSH PLATES: 630 (US32D) SATIN STAINLESS STEEL.
8. PULL PLATES: 630 (US32D) SATIN STAINLESS STEEL.
9. PROTECTIVE PLATES: 630 (US32D) SATIN STAINLESS STEEL.
10. DOOR STOPS: 630 (US32D) SATIN STAINLESS STEEL OR 626 SATIN CHROME PLATED BRASS/BRONZE.
11. OVERHEAD HOLDERS: SP28 (POWDER COAT).
12. THRESHOLDS: 627 (US27) MILL FINISH ALUMINUM.
13. WEATHERSTRIP: 628 (US28) CLEAR ANODIZED ALUMINUM.

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac

RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 027783
REGISTERED PROFESSIONAL ENGINEER
09/15/23

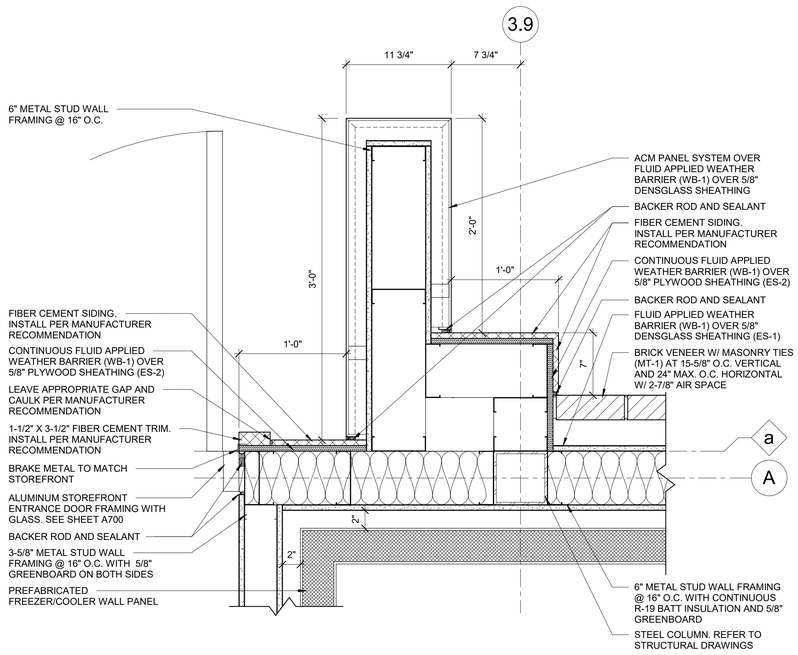
PROJECT NUMBER
2023157.20

SHEET TITLE

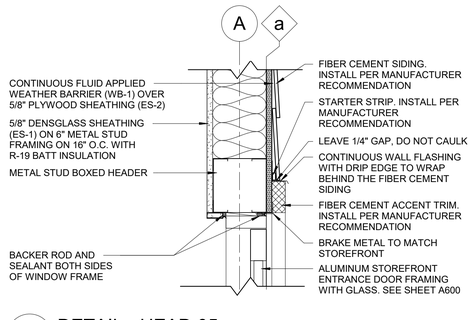
DOOR HARDWARE AND SCHEDULE

SHEET NUMBER

A700



14 DETAIL - JAMB 05
1 1/2" = 1'-0"



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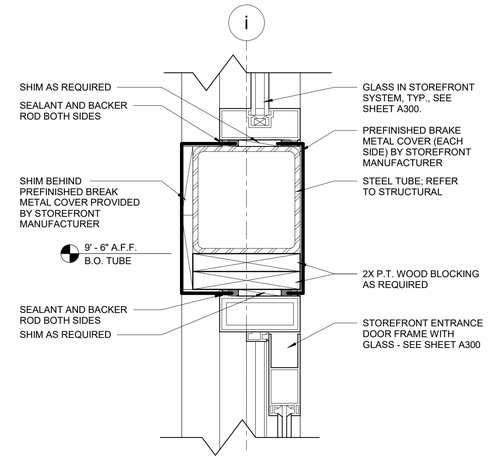

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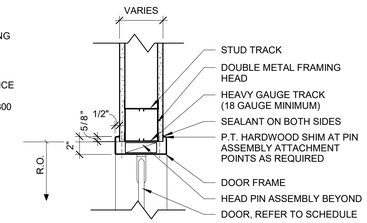

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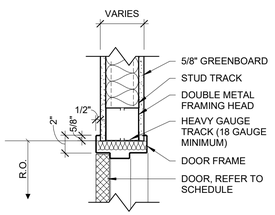

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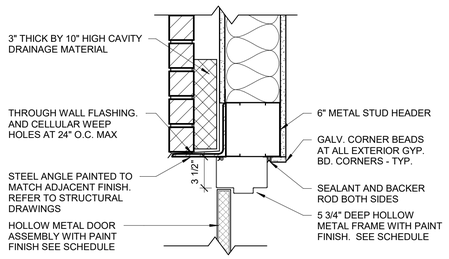

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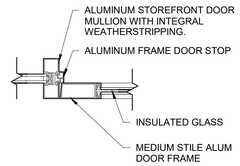

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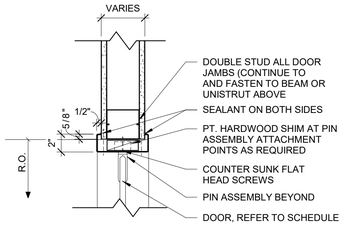

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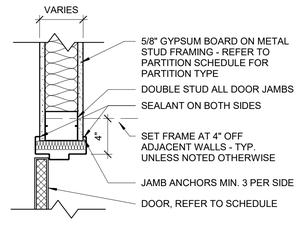

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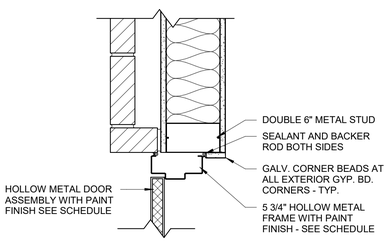

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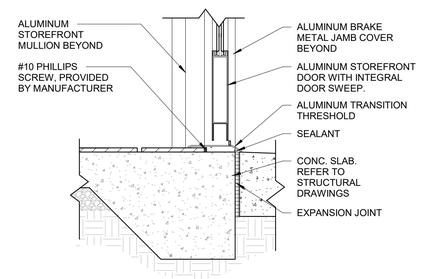

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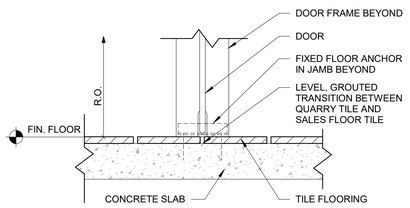

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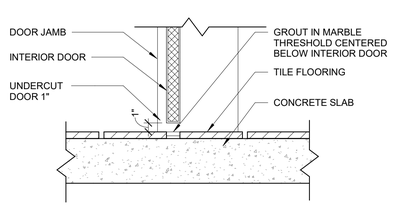

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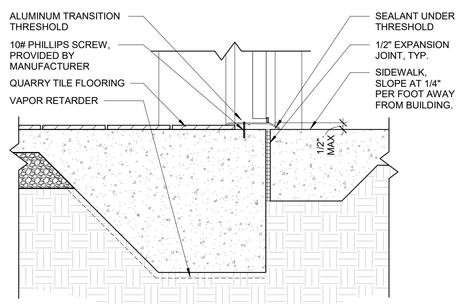

1 DETAIL - SILL 01
1 1/2" = 1'-0"

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Professional Corporation
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AKRON, OH 44311

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200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
Certificate No. 029885
Registered Professional
09/15/23

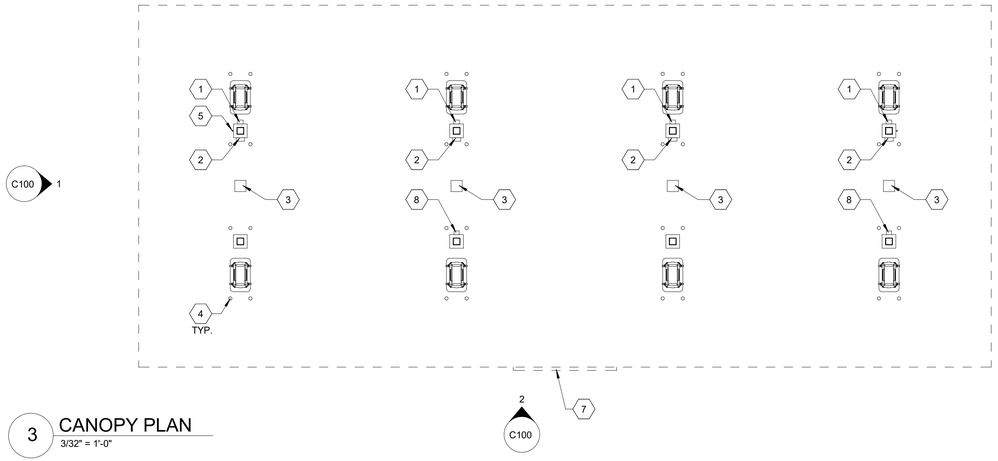
PROJECT NUMBER
2023157.20

SHEET TITLE

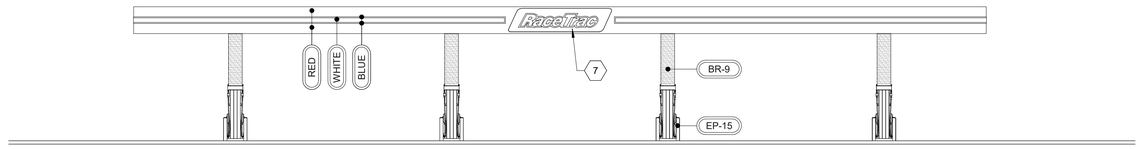
DOOR DETAILS

SHEET NUMBER

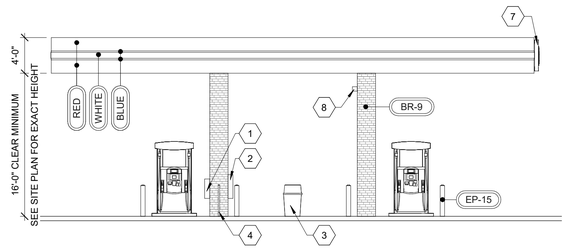
A701



3 CANOPY PLAN
3/32" = 1'-0"



2 CANOPY FRONT ELEVATION
3/32" = 1'-0"



1 CANOPY ELEVATION
1/8" = 1'-0"

GENERAL NOTES

1. AREA WITHIN 18'-0" OF DISPENSER BOTH HORIZONTALLY AND VERTICAL SHALL BE CLASS I, DIVISION 2.
2. EXTINGUISHERS SHALL BE PROVIDED AND SO LOCATED THAT NO PUMP DISPENSER OR FILL-PIPE OPENING SHALL BE A GREATER DISTANCE THAN 50'-0" FROM SUCH DISPENSER.
3. NO SMOKING SIGNS SHALL BE POSTED IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENT.
4. PVC PIPE SHALL NOT BE USED ON TOP OF CANOPY. ONLY 3/4" EMT WITH WATER TIGHT CONNECTIONS SHALL BE PERMITTED.
5. REFER TO ELECTRICAL SCHEDULES FOR CANOPY CIRCUITS.
6. REFER TO SITE ELECTRICAL PLAN FOR SECURITY CAMERA LOCATIONS AND MOUNTING.
7. REFER TO FINISH SCHEDULES FOR MATERIAL SPECIFICATIONS.
8. REFER TO SITE PLAN FOR NUMBER OF CANOPY SIGNS TO BE PLACED.
9. REFER TO MANUFACTURERS SHOP DRAWINGS FOR ALL STRUCTURAL DETAILS.
10. REFER TO SITE SPECIFIC PLAN FOR CANOPY LIGHTING.
11. REFER TO SITE SPECIFIC PLAN FOR CONCRETE ISLAND LAYOUT.
12. REFER TO CANOPY MANUFACTURER'S DRAWINGS FOR FOUNDATION INFORMATION AND COLUMN SURROUND.
13. PROVIDE SAFETY DECALS AS REQUIRED.

SHEET KEYNOTES

1	M2M RED MARK II CABINET WITH RED COVER, ON BACK SIDE OF COLUMN COVER. PROVIDE ONE 80-B RATED EXTINGUISHER.
2	TOWEL DISPENSER "DCI MARKETING" ITEM NUMBER SBWC BLACK.
3	TRASH CAN. REFER TO SITE PLANS.
4	BUMPER POST. REFER TO CIVIL SITE DETAIL SHEETS.
5	WOODFORD Y-34 FREEZERLESS IOWA YARD HYDRANT
6	NOT USED
7	RACETRAC LOGO; REFER TO SIGN PLAN
8	SPEAKER. INSTALL ON THE CANOPY COLUMN CLOSEST TO THE STORE AND MOUNTED 18"-24" BELOW THE DECKING.

FUEL CANOPY MATERIAL SCHEDULE

FUEL CANOPY FINISH SCHEDULE

ID	MANUF.	MATERIAL	COMMENTS
BLUE	-		2" BLUE STRIPE
RED	-		REFER TO SPECIFICATION CHART ON SHEET C100
WHITE	-		8" WHITE STRIPE
BRICK			
BR-9	GENERAL SHALE	STONE MOUNTAIN (QUEEN 1/3 BOND)	MORTAR: ARGOS MAGNOLIA DARK
PAINT			
EP-15	SHERWIN WILLIAMS		PAINTED SHERWIN WILLIAMS "URBANE BRONZE" #7048

STANDARD CANOPY FASCIA COLOR SPECIFICATION CHART

COLOR CALLOUT	CANOPY MANUFACTURER	STANDARD COLOR SPECIFICATION
"TAN"	LANE CANOPIES	ETT TAN FASCIA
	McGEE CANOPIES	ETT TAN FASCIA
	MADISON CANOPIES	PUEBLO TAN FASCIA
"RED"	LANE CANOPIES	TRD RED FASCIA
	McGEE CANOPIES	TRD RED FASCIA - PROGRAM RED
	MADISON CANOPIES	PROGRAM RED FASCIA

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GREENSBORO
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RACETRAC STORE NUMBER
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PROTOTYPE SERIES 2023
2023 LH MO

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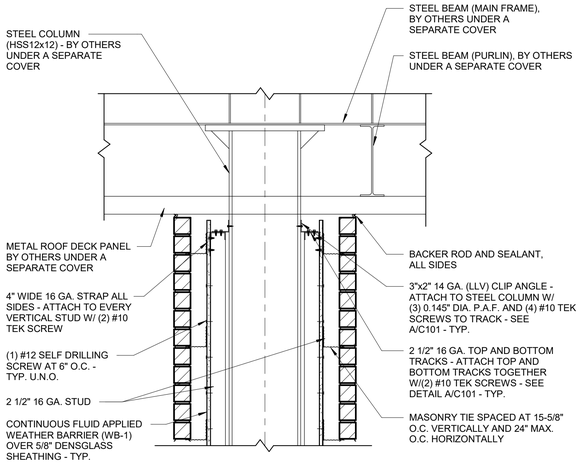
PROFESSIONAL SEAL
STATE OF GEORGIA
MARK S. SALOPEK
CERTIFICATE NO. 040001
REGISTERED ARCHITECT
09/15/23

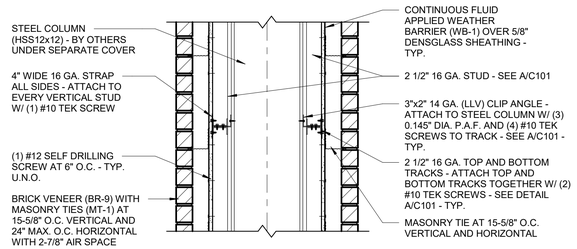
PROJECT NUMBER
2023157.20

SHEET TITLE
FUEL CANOPY PLANS AND ELEVATIONS

SHEET NUMBER
C100



5 SECTION
1" = 1'-0"



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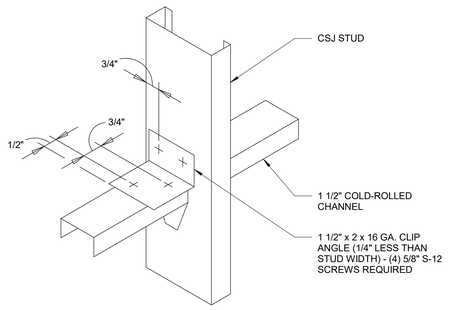
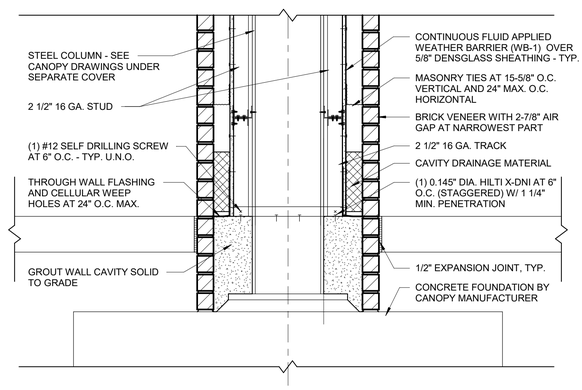


STUD LATERAL BRACING
SCREW ATTACHMENT
(3 5/8" TRU 8" MEMBERS)

SEE FUEL CANOPY DESIGN DRAWINGS FOR ACTUAL STEEL COLUMN SIZE.

ALL LT. GA. TO BE HOT DIPPED GALVANIZED.



3 SECTION AT FOUNDATION
1" = 1'-0"

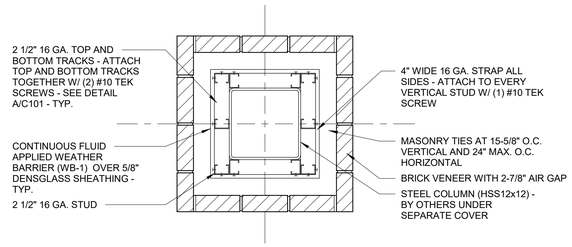
CANOPY WRAP DESIGN DATA:

MAXIMUM RATED WIND SPEED:
ULTIMATE WIND SPEED, VULT (3 SEC. GUST) = 180 MPH
NOMINAL WIND SPEED, VASD (3 SEC. GUST) = 139 MPH

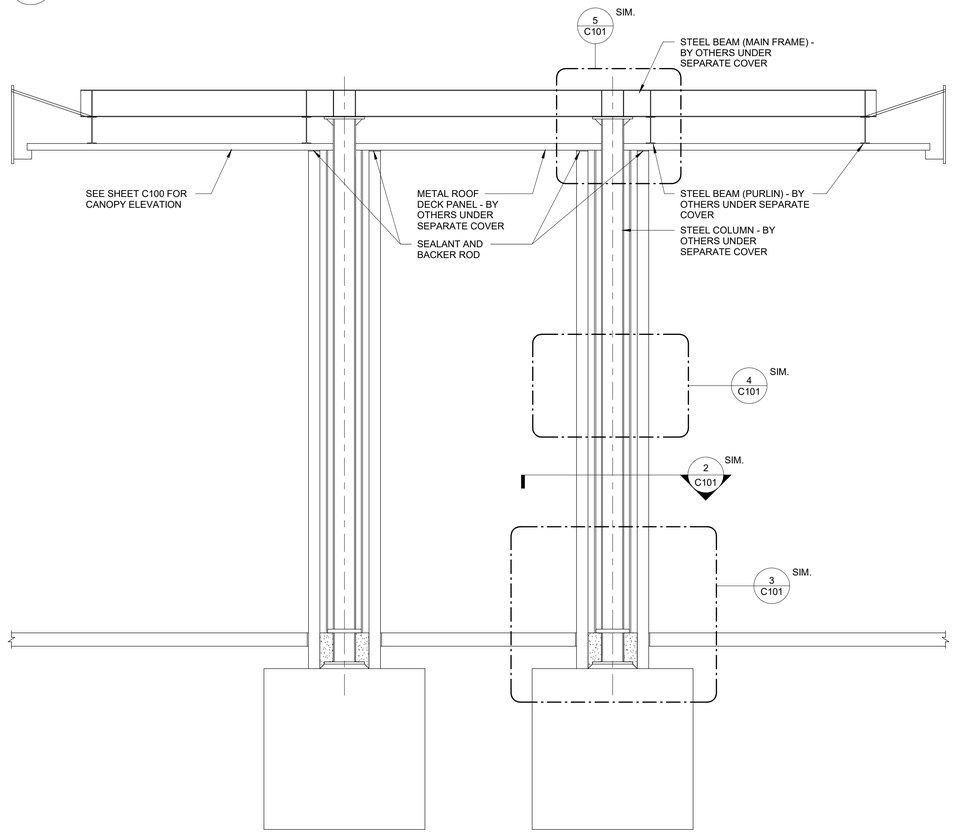
ENCLOSURE CLASSIFICATION: OPEN BUILDING
BUILDING CLASSIFICATION: RISK CATEGORY II

WALL PRESSURE (LATERAL): 73 PSF (COMPONENTS & CLADDING)

CANOPY STRUCTURAL DESIGN BY OTHERS, UNDER A SEPARATE COVER



2 SECTION
1" = 1'-0"



1 ELEVATION
3/8" = 1'-0"

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Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

STATE OF GEORGIA
MARK S. SALOPEK
09/15/23

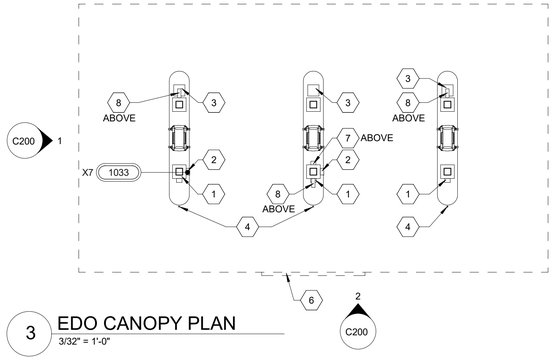
PROJECT NUMBER
2023157.20

SHEET TITLE

FUEL CANOPY COLUMN ENCLOSURE

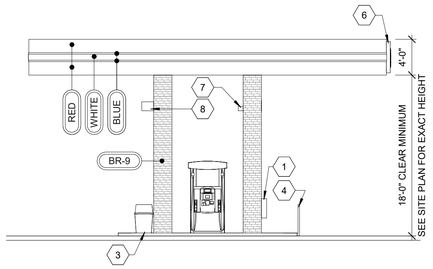
SHEET NUMBER

C101



3 EDO CANOPY PLAN
3/32" = 1'-0"

2 EDO CANOPY FRONT ELEVATION
3/32" = 1'-0"



1 EDO CANOPY ELEVATION
1/8" = 1'-0"

GENERAL NOTES

1. AREA WITHIN 18'-0" OF DISPENSER BOTH HORIZONTALLY AND VERTICAL SHALL BE CLASS I, DIVISION 2.
2. EXTINGUISHERS SHALL BE PROVIDED AND SO LOCATED THAT NO PUMP DISPENSER OR FILL-PIPE OPENING SHALL BE A GREATER DISTANCE THAN 50'-0" FROM SUCH DISPENSER.
3. NO SMOKING SIGNS SHALL BE POSTED IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENT.
4. PVC PIPE SHALL NOT BE USED ON TOP OF CANOPY. ONLY 3/4" EMT WITH WATER TIGHT CONNECTIONS SHALL BE PERMITTED.
5. REFER TO ELECTRICAL SCHEDULES FOR CANOPY CIRCUITS.
6. REFER TO SITE ELECTRICAL PLAN FOR SECURITY CAMERA LOCATIONS AND MOUNTING.
7. REFER TO FINISH SCHEDULES FOR MATERIAL SPECIFICATIONS.
8. REFER TO SITE PLAN FOR NUMBER OF CANOPY SIGNS TO BE PLACED.
9. REFER TO MANUFACTURERS SHOP DRAWINGS FOR ALL STRUCTURAL DETAILS.
10. REFER TO SITE SPECIFIC PLAN FOR CANOPY LIGHTING.
11. REFER TO SITE SPECIFIC PLAN FOR CONCRETE ISLAND LAYOUT.
12. REFER TO CANOPY MANUFACTURER'S DRAWINGS FOR FOUNDATION INFORMATION AND COLUMN SURROUND.
13. PROVIDE SAFETY DECALS AS REQUIRED.

SHEET KEYNOTES

1	M2M RED MARK II CABINET WITH RED COVER, ON BACK SIDE OF COLUMN COVER. PROVIDE ONE 80-B RATED EXTINGUISHER.
2	HAND TOWEL DISPENSER. SEE SHEET A141 FOR ADDITIONAL INFORMATION
3	TRASH CAN. REFER TO SITE PLANS.
4	WOODFORD Y-34 FREEZERLESS IOWA YARD HYDRANT
5	NOT USED
6	RACETRAC LOGO; REFER TO SIGN PLAN
7	SPEAKER. INSTALL ON THE CANOPY COLUMN CLOSEST TO THE STORE AND MOUNTED 18"-24" BELOW THE DECKING.
8	HOSE REEL

EDO FUEL CANOPY MATERIAL SCHEDULE

FUEL CANOPY FINISH SCHEDULE

ID	MANUF.	MATERIAL	COMMENTS
BLUE	-		2" BLUE STRIPE
RED	-		REFER TO SPECIFICATION CHART ON SHEET C100
WHITE	-		8" WHITE STRIPE
BRICK			
BR-9	GENERAL SHALE	STONE MOUNTAIN (QUEEN 1/3 BOND)	MORTAR: ARGOS MAGNOLIA DARK
PAINT			
EP-15	SHERWIN WILLIAMS		PAINTED SHERWIN WILLIAMS "URBANE BRONZE" #7048

STANDARD CANOPY FASCIA COLOR SPECIFICATION CHART

COLOR CALLOUT	CANOPY MANUFACTURER	STANDARD COLOR SPECIFICATION
"TAN"	LANE CANOPIES	ETT TAN FASCIA
	McGEE CANOPIES	ETT TAN FASCIA
	MADISON CANOPIES	PUEBLO TAN FASCIA
"RED"	LANE CANOPIES	TRD RED FASCIA
	McGEE CANOPIES	TRD RED FASCIA - PROGRAM RED
	MADISON CANOPIES	PROGRAM RED FASCIA

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DESIGN PROFESSIONALS

GPD GROUP
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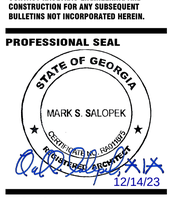


PROJECT NUMBER
2023157.20

SHEET TITLE

EDO FUEL CANOPY PLANS AND ELEVATIONS

SHEET NUMBER

C200

STRUCTURAL NOTES

GENERAL NOTES:

1. THESE NOTES SHALL APPLY EXCEPT WHERE OTHERWISE INDICATED BY DRAWINGS OR SPECIFICATIONS.
2. CONTRACT DOCUMENTS INCLUDE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS OR OTHER SUBMITTALS BY THE CONTRACTOR.
3. REFERENCE TO DESIGN STANDARDS AND BUILDING CODES SHALL MEAN THE LATEST EDITION OF THE REFERENCE UNLESS SPECIFICALLY STATED OTHERWISE.
4. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
5. ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE REVIEW OF THE ARCHITECT AND ENGINEER OF RECORD.
6. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT AS INDICATED ON THE DRAWINGS.
7. COORDINATE WITH OTHER DISCIPLINE DRAWINGS FOR DRIPS, CHAMFERS, REGLETS, RUSTICATIONS, SLOTS, SLEEVES, ANCHORS AND INSERTS.
8. THE GENERAL CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF ROOF PENETRATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. PENETRATIONS GREATER THAN 12" ACROSS SHALL BE FRAMED AS SHOWN IN ROOF OPENING FRAMING DETAIL.
9. UNLESS SHOWN ON STRUCTURAL DRAWINGS, NO OPENINGS LARGER THAN 12" x 12" SHALL BE PLACED IN SLABS OR WALLS. FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS, APPROVAL MUST BE OBTAINED FROM THE ARCHITECT PRIOR TO CONSTRUCTION OF OPENING.
10. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION.
11. THE GENERAL CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH REQUIRED OSHA REGULATIONS.
12. THE STRUCTURE DESCRIBED BY THESE DRAWINGS IS SELF SUPPORTING ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY BRACING AND SHORING OF ALL WORK.
13. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE BUILDING OFFICIAL REGARDING SUBMITTAL OF INSPECTION REPORTS TO THE BUILDING DEPARTMENT.
14. REVIEW OF SUBMITTALS AND SHOP DRAWINGS BY THE ARCHITECT AND STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. CONTRACTOR REMAINS SOLEY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
15. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN 0F STEEL STAIRS, HANDRAILS, LADDERS, CURTAIN OR WINDOW WALL SYSTEMS, RACK STORAGE SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
16. DO NOT HANG OR ATTACH DUCTWORK, PIPING, LIGHTING, CONDUIT, EQUIPMENT, CEILINGS, ETC. FROM METAL DECKING.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING AND MAINTAINING THE EXCAVATIONS REQUIRED FOR THE CONSTRUCTION SHOWN.

DESIGN CRITERIA:

1. STRUCTURAL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE WITH STATE OF GEORGIA AMENDMENTS.
2. LIVE LOADS:

   ROOF LOAD = 20 PSF (REDUCIBLE AS PER CODE)
   SIGNAGE ACCESS AREA = 40 PSF
   FLOOR SLAB-ON-GRADE = 100 PSF
3. DEAD LOADS:

   ROOF LOAD = 20 PSF
   SIGNAGE ACCESS AREA = 10 PSF
4. WIND LOADS:

   ULTIMATE WIND SPEED, Vult (3 sec. GUST) = 110 MPH
   NOMINAL WIND SPEED, Vasd (3 sec. GUST) = 85 MPH
   WIND IMPORTANCE FACTOR (I w) = 1.0
   RISK CATEGORY: II
   WIND EXPOSURE = C
   ENCLOSED BUILDING INTERNAL PRESSURE COEFFICIENT = +0.18 or -0.18
5. SEISMIC LOADS:

SEISMIC IMPORTANCE FACTOR:	1.0
RISK CATEGORY:	II
MAPPED ACCELERATIONS:	
Ss:	0.225g
S1:	0.085g
SITE CLASS DEFINITION:	D
SPECTRAL RESPONSE COEF:	
Sds:	0.189
Sd1:	0.137
SEISMIC DESIGN CATEGORY:	C
RESPONSE MODIFICATION FACTOR (R):	3
SEISMIC FORCE RESISTING SYSTEM:	
STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE	
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE	

6. SNOW LOADS:

GROUND SNOW LOAD (Pg):	5 PSF
SNOW EXPOSURE FACTOR (Ce):	1.0
THERMAL FACTOR (Ct):	1.0
SNOW IMPORTANCE FACTOR:	1.0
FLAT ROOF SNOW LOAD (Pf):	5 PSF

FOUNDATION NOTES:

1. DESIGN SOIL BEARING PRESSURE = 2000 PSF. SOIL BEARING PRESSURE SHALL BE VERIFIED AT TIME OF EXCAVATION AND STRUCTURAL ENGINEER SHALL BE NOTIFIED IF THE ACTUAL SOIL BEARING PRESSURE IS LOWER THAN THE DESIGN SOIL PRESSURE. FOUNDATION DESIGN AND SUBSURFACE INFORMATION IS BASED ON A SOILS REPORT PREPARED BY: CONTOUR PROJECT #: G23RAC03, DATED MARCH 13, 2023.
2. ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL OR STRUCTURAL FILL AND HAVE A MINIMUM 18" OF COVER.
3. PRIOR TO PLACING CONCRETE, ALL DEBRIS, WATER, AND LOOSE EARTH SHALL BE REMOVED FROM THE FOUNDATION BED.
4. COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE PLACED MONOLITHICALLY WITH ADJACENT FOOTINGS AT THE SAME ELEVATION.
5. FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACKFILLING PRESSURES UNTIL THE FLOOR SLABS AT THE TOP AND BOTTOM OF WALL ARE IN PLACE AND CURED.
6. BACKFILL AGAINST WALLS SHALL NOT BE PLACED UNTIL CONCRETE HAS CURED FOR 7 DAYS. BACKFILL SHALL BE DEPOSITED EVENLY AGAINST BOTH SIDES OF WALLS UNTIL THE LOWER FINAL GRADE IS REACHED. COMPACTION OF BACKFILL WITHIN 10 FEET OF WALLS SHOULD BE PERFORMED WITH HAND OPERATED EQUIPMENT.
7. PLACEMENT AND COMPACTION OF STRUCTURAL FILL SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER. COMPACTION SHALL BE MINIMUM 95% OF STANDARD PROCTOR.
8. ALL DRAIN TILE SHALL BE 4" DIA. (MIN) PERFORATED PLASTIC PIPE WITH FABRIC SOCK AND 12" MINIMUM WASHED RIVER ROCK SURROUND. DO NOT USE CRUSHED OR FINE GRAVEL.
9. WHERE A UTILITY LINE PASSES UNDER A FOOTING, PROVIDE A STEEL OR CAST-IRON SLEEVE WITH MINIMUM 2" CLEAR ON ALL SIDES OF PIPE.

CONCRETE NOTES:

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH, (f'c), AT 28 DAYS:

   A. BUILDING FOUNDATIONS: 3000 PSI
   B. FOR SITE PAVING REQUIREMENTS REFER TO DRAWING A100 & CIVIL.
   C. BUILDING SLAB, SIDEWALKS AND EQUIPMENT PADS: 4000 PSI
2. CONCRETE PROPORTIONS SHALL CONSIST OF THE FOLLOWING MATERIALS TO ACHIEVE A MIX THAT WILL YIELD A FINISHED PRODUCT THAT WILL PRODUCE THE REQUIRED COMPRESSIVE STRENGTHS LISTED IN NOTE #1 ABOVE.

   A. CEMENTITIOUS MATERIALS.
      a. PORTLAND CEMENT, ASTM C150, TYPE 1.
      b. FLYASH AND SLAG CEMENT ARE NOT ALLOWED.
   B. AGGREGATES: NORMAL WEIGHT, ASTM C33; LIGHT WEIGHT, ASTM C330. PROVIDE ALL AGGREGATE FROM A SINGLE SOURCE.
   C. WATER: ASTM C94, POTABLE.
   D. AIR ENTRAINMENT ADMIXTURE: ASTM C260.
   E. WATER REDUCING ADMIXTURE: ASTM C494, TYPE F OR G.
   F. CALCIUM CHLORIDE: ANY ADMIXTURE CONTAINING MORE THAN 0.1% CHLORIDE IONS, CONTENT BY WEIGHT, ARE NOT PERMITTED.

   CONCRETE MIX DESIGNS MUST BE SUBMITTED TO THE E.O.R. FOR HIS APPROVAL BEFORE CONSTRUCTION BEGINS. MIX DESIGNS MUST BE SUBMITTED WITH COMPRESSIVE STRENGTH INFORMATION, FOR THAT SPECIFIC MIX, AS PER THE REQUIREMENTS OF CHAPTER 5 OF ACI-318-14. SUBMISSIONS WITHOUT THIS INFORMATION WILL BE STAMPED "REJECTED" & RETURNED TO THE CONTRACTOR WITHOUT E.O.R. REVIEW. TEST DATA SHALL BE NO OLDER THAN 12 MONTHS. ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON THE JOB SITE FOR REVIEW BY THE INSPECTOR.
3. STRUCTURAL MEMBERS OF REINFORCED CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CODE REFERENCED ACI 318-14.
4. SLAB ON GRADE CONTROL OR CONSTRUCTION JOINTS SHALL BE LOCATED AT COLUMN LINES AND INTERMEDIATELY SO THAT NO JOINT SPACING SHALL EXCEED 20'-0", NOR SHALL THE LENGTH OF ANY PANEL EXCEED ONE AND A HALF, (1 1/2), TIMES THE WIDTH OF THAT PANEL. REFER TO TYPICAL DETAILS FOR SLAB JOINT CONSTRUCTION.
5. FLOOR SLAB CONSTRUCTION JOINTS MUST BE DOWELED.
6. EXTERIOR SLABS SHALL DRAIN FREELY AWAY FROM THE BUILDING. COORDINATE ELEVATIONS WITH CIVIL ENGINEER AND ARCHITECT.
7. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SLAB FINISHES, SLOPES AND DEPRESSIONS OF INTERIOR SLABS.

REINFORCING STEEL NOTES:

1. SHALL BE DETAILED, FABRICATED AND PLACED ACCORDING TO THE STANDARDS OF THE AMERICAN CONCRETE INSTITUTE (ACI) AND THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
2. MATERIALS:

   REINFORCING BARS SHALL COMPLY WITH ASTM A615 GRADE 60.
   WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A82 AND A1064, FLAT SHEETS ONLY. REINFORCING BARS FOR WELDING SHALL COMPLY WITH ASTM A706.
3. CLEAR MINIMUM COVER OF CONCRETE OVER REINFORCING BARS SHALL BE AS FOLLOWS:

   CONCRETE PLACED AGAINST EARTH ..... 3"
   FORMED SURFACES EXPOSED TO EARTH ..... 2"
   TOP OF SLABS ..... 3/4"
4. ALL BARS DENOTED CONTINUOUS ON PLANS, SECTIONS AND DETAILS SHALL HAVE CLASS "B" TENSION SPLICE LAPS AND CORNER BARS AND HOOKS AT DISCONTINUOUS ENDS. SPLICED BARS SHALL BE SECURELY WIRED TOGETHER. SPLICES OF ADJACENT REINFORCING BARS SHALL BE STAGGERED 24" WHEREVER POSSIBLE.
5. WELDED WIRE FABRIC, WHERE REQUIRED, SHALL BE PLACED IN THE CENTER OF THE SLAB UNLESS NOTED OTHERWISE. LAP JOINTS ONE WIRE SPACING PLUS 2" OR A MINIMUM OF 6". EXTEND FABRIC TO WITHIN 1" OF EDGES OF SLABS ON GRADE.
6. PROVIDE PRECAST DOBIES, WIRE OR PLASTIC CHAIRS, SUPPORT BARS, ETC. TO MAINTAIN SPECIFIED CLEARANCES FOR THE ENTIRE LENGTH OF ALL REINFORCING BARS AND WELDED WIRE FABRIC. DO NOT USE REBAR STAKES TO SUPPORT REINFORCING. ALL REINFORCEMENT SHALL BE FASTENED AND SECURED TO PREVENT DISPLACEMENT BY THE PLACING OF CONCRETE.
7. ALL CONCRETE WALLS TO BE DETAILED IN ELEVATION ON SHOP DRAWINGS. NO MORE THAN 50% OF HORIZONTAL WALL REINFORCING SHALL LAP IN A SINGLE VERTICAL PLANE.
8. PROVIDE (2) #4 REINFORCING BARS, 3'-0" LONG, IN CONCRETE SLABS AT ALL RE-ENTRANT CORNERS. PLACE BARS AT MID DEPTH OF SLAB WITH 2" MINIMUM HORIZONTAL CLEARANCE FROM SLAB CORNER.
9. REBAR FOR WELDED CONNECTIONS MUST MEET ASTM A706. STANDARD ASTM A615 GRADE 60 REBARS ARE NOT ACCEPTABLE FOR WELDING. WELDING PROCEDURE SHALL CONFORM TO ANSI/AWS D1.4 "STRUCTURAL WELDING CODE - REINFORCING STEEL". DO NOT TACK WELD.
10. REINFORCING DOWELS, WHERE REQUIRED, SHALL MATCH THE SIZE, SPACING AND QUANTITY OF MAIN REINFORCING, UNLESS NOTED OTHERWISE.

MASONRY NOTES:

1. MATERIALS, TESTING AND STORAGE OF MATERIALS SHALL CONFORM TO TMS-402 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND TMS-602 "SPECIFICATION FOR MASONRY STRUCTURES".
2. CONCRETE MASONRY UNITS: SHALL CONFORM TO ASTM C90, LIGHTWEIGHT UNITS.
   UNIT MINIMUM COMPRESSIVE STRENGTH = 1900 PSI ON NET AREA
   MORTAR SHALL CONFORM TO ASTM C270 CEMENT-LIME, TYPE S.
   COMPRESSIVE DESIGN STRENGTH = 1800 PSI
   MIN. MASONRY SYSTEM COMPRESSIVE STRENGTH f'm = 1500 PSI ON NET AREA
   GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8", A MINIMUM COMPRESSIVE STRENGTH OF 2200 PSI, AND A MAXIMUM SLUMP OF 9 INCHES.
3. MASONRY UNITS AND MORTAR SHALL INCLUDE INTEGRAL WATERPROOFING AGENT "DRYBLOCK" BY W.R. GRACE.
4. MASONRY SHALL BE LAID IN RUNNING BOND UNLESS OTHERWISE NOTED.
5. ALL REINFORCING BARS DENOTED AS CONTINUOUS SHALL HAVE LAP SPLICES, CORNER BARS AND HOOKS AT DISCONTINUOUS ENDS. SEE MASONRY SPLICE LAP TABLE FOR MINIMUM LAP SPLICE LENGTHS.
6. HORIZONTAL JOINT REINFORCING SHALL BE LADDER TYPE HOT DIPPED GALVANIZED AND SPACED AT 16" ON CENTER, WITH MIN. WIRE SIZE EQUAL TO W1.7, (U.N.O.). MINIMUM STRAIGHT LAP = 16". MINIMUM CORNER OR TEE LAP = 30". JOINT REINFORCING SHALL BE FULLY EMBEDDED IN MORTAR WITH A MIN. COVER 5/8" FROM FACE OF MORTAR. DISCONTINUE HORIZONTAL REINFORCING AT CONTROL JOINTS.
7. AT FIRST COURSE OF MASONRY, PROVIDE FULL MORTAR BED EQUAL TO WALL THICKNESS EXCEPT AT CELLS TO BE GROUTED SOLID.
8. UNITS TO RECEIVE VERTICAL REINFORCING SHALL HAVE CELLS ALIGNED VERTICALLY FOR FULL HEIGHT OF REINFORCEMENT.
9. FILL ALL MASONRY CELLS BELOW FINISHED FLOOR WITH GROUT. WHERE FINISHED FLOOR IS BELOW GRADE, FILL ALL CELLS BELOW GRADE.
10. ALL ANCHOR BOLTS INTO MASONRY SHALL BE PLACED IN FULLY GROUTED CELLS. MINIMUM EMBEDMENT TO BE 4 1/4" U.N.O.
11. PIPES OR CONDUITS MAY PENETRATE HORIZONTALLY THROUGH MASONRY WALLS BY MEANS OF A SCHEDULE 40 GALVANIZED STEEL SLEEVE SOLIDLY GROUTED IN PLACE. CENTER TO CENTER SLEEVE SPACING SHALL NOT BE LESS THAN 3 SLEEVE DIAMETERS.
12. AFTER MORTAR IS THOROUGHLY SET AND CURED, CLEAN MASONRY COMPLETELY USING THE LEAST HARSH METHOD POSSIBLE.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL MATERIALS:

STRUCTURAL STEEL:	ASTM A992, Fy = 50 KSI
OTHER SHAPES & PLATES:	ASTM A36, Fy = 36 KSI
STRUCTURAL TUBING:	ASTM A500 FY=46 KSI OR A1085, Fy = 50 KSI
STRUCTURAL PIPE:	ASTM A53, GRADE B, Fy = 35 KSI
CONNECTION BOLTS:	ASTM A325, UNLESS NOTED OTHERWISE
ANCHOR BOLTS:	ASTM F1554, A307 OR A36, Fy = 36 KSI. *PROVIDE 3 NUTS AND 2 WASHERS WITH EACH ANCHOR BOLT.
WELDING ELECTRODES:	E70-XX, UNLESS NOTED OTHERWISE.

2. STRUCTURAL STEEL DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE "2016 AISC SPECIFICATIONS".
3. BOLTED CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER BOLTS AND WASHERS CONFORMING TO ASTM A325 AND F436 UNLESS OTHERWISE NOTED. THEY SHALL BE ASSEMBLED, INSTALLED AND INSPECTED IN ACCORDANCE WITH "RCSC-2014, SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS". BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL HOLES TO BE DRILLED OR PUNCHED; FLAME CUT HOLES ARE ONLY PERMITTED WITH THE APPROVAL OF THE ENGINEER OF RECORD.

   *BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION UNLESS OTHERWISE NOTED ON THE DRAWINGS.
4. SHOP OR FIELD SPLICES BETWEEN SUPPORTS THAT ARE NOT REQUIRED BY DESIGN WILL NOT BE ALLOWED. ANY MEMBERS CONTAINING SUCH SPLICES SHALL BE REMOVED AND REPLACED WITH UNSPLICED MEMBERS AT THE FABRICATOR'S EXPENSE.
5. PROVIDE BOLTS AND PUNCHED HOLES IN STRUCTURAL AND MISCELLANEOUS STEEL FOR ATTACHMENTS OF WOOD NAILERS AS REQUIRED ON THE ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS.
6. MINIMUM SIZE OF WELD IS 3/16" UNLESS NOTED OTHERWISE. ALL WELDING SHALL CONFORM TO THE CURRENT PROVISIONS OF AWS D1.1, STRUCTURAL WELDING CODE BY THE AMERICAN WELDING SOCIETY. ALL WORK SHALL BE PERFORMED BY CERTIFIED WELDERS EXPERIENCED IN THE TYPE OF CONSTRUCTION INVOLVED. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE.
7. SHOP DRAWINGS SHALL SHOW COMPLETE WELDING INFORMATION, BOTH SHOP AND FIELD, USING AMERICAN WELDING SOCIETY SYMBOLS UNLESS OTHERWISE INDICATED.
8. STEEL BEAMS SUPPORTED ON MASONRY OR CONCRETE WALLS SHALL HAVE A MIN. OF 6" BEARING ON STEEL PLATE WITH ANCHORS UNLESS STATED OTHERWISE.
9. PROVIDE 1 1/2" NON-METALLIC, SHRINKAGE RESISTANT GROUT CONFORMING TO ASTM C1107 UNDER ALL COLUMN BASEPLATES.
10. ALL STEEL SHALL HAVE A PRIME COAT OF PAINT EXCEPT AREAS TO BE FIELD WELDED.
11. ALL PORTIONS OF STEEL ENCASED IN CONCRETE, GROUT, OR IN CONTACT WITH EARTH SHALL BE PAINTED WITH BITUMINOUS PAINT.
12. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION.
13. STEEL FABRICATOR TO BE AN AISC CERTIFIED FABRICATOR.
14. ALL PLAN DIMENSIONS ARE TO CENTERLINE OF STEEL MEMBERS EXCEPT FOR STEEL CHANNELS. CHANNEL DIMENSIONS ARE TO THE BACK FACE OF THE WEB.
15. REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL BRACKETS, BRACES, SUPPORTS, ETC. NOT INDICATED ON THE STRUCTURAL DRAWINGS.

PRESSURE TREATED LUMBER NOTES:

1. ALL FASTENERS USED WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL. ALL SIMPSON CONNECTORS USED WITH PRESSURE TREATED LUMBER SHALL BE "ZMAX" COATED AS A MINIMUM.

CASTELLATED STEEL BEAM NOTES:

1. THE MATERIALS USED TO MANUFACTURE CASTELLATED BEAMS SHALL CONFORM TO ASTM A572-50 R A992 GR. 50.
2. ALL WELDING IS TO BE PERFORMED IN ACCORDANCE WITH AWS D1.1
3. ALL BRACING FOR ERECTION AND HANDLING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. ALL BRACING SHOWN ON PLAN AS X-BRACING SHALL BE INSTALLED PRIOR TO RELEASING THE HOISTING CABLES. ALL BRACING SHOWN AS HORIZONTAL MAY BE APPLIED AFTER BEAMS ARE ERECTED.
5. FILL CASTELLATION HOLES WHERE REQUIRED FOR POINT LOAD OR BEAM CONNECTION LOCATIONS AS REQUIRED. PROVIDE FILL LOCATIONS ON SHOP DRAWINGS.

METAL DECK NOTES:

1. ROOF DECK:

   1 1/2" DEEP, TYPE "B" (WIDE RIB), 20 GAUGE, GALVANIZED SHEET WIDTH = 36"

   PREPARE AND REPAIR DAMAGED GALVANIZED COATING ON BOTH SURFACES OF DECK WITH GALVANIZING REPAIR PAINT ACCORDING TO ASTM 780 AND MANUFACTURER'S INSTRUCTIONS.
2. METAL DECK MANUFACTURER SHALL BE A MEMBER OF THE STEEL DECK INSTITUTE (SDI). ALL PRODUCTS SHALL BE FACTORY MUTUAL APPROVED.
3. STEEL DECK SHALL BE CONTINUOUS OVER A MINIMUM OF 4 SUPPORTS.
4. DECK ATTACHMENT PATTERN SHALL BE AS INDICATED ON THE DRAWINGS.
5. PROVIDE 1 1/2" MINIMUM DECK BEARING AT ALL SUPPORTS. DECK SHALL BE PLACED AT THE PERIMETER WITH A COMPLETE RIB BEARING ON THE STEEL SUPPORT.
6. ALL METAL DECK WELDING IS ONLY TO BE PERFORMED BY AN AWS D1.3 CERTIFIED WELDER. CERTIFICATIONS ARE TO BE AVAILABLE ON SITE FOR VERIFICATION.

SHOP DRAWING NOTES:

1. CONTRACTOR SHALL FURNISH COMPLETE AND DETAILED SHOP DRAWINGS FOR THE FOLLOWING STRUCTURAL MATERIALS:

   ANCHOR BOLT LAYOUT
   STRUCTURAL STEEL AND METAL DECK
   REINFORCING STEEL
   CONCRETE MIX DESIGN
   MASONRY UNITS, REINFORCING, MORTAR AND GROUT
   LIGHT GAUGE METAL FRAMING (SEE NOTE #5)
2. UNLESS NOTED, SUBMIT SHOP DRAWINGS FOR ALL FABRICATED MATERIALS. ALL SHOP DRAWINGS MUST BEAR THE REVIEW STAMP OF THE GENERAL CONTRACTOR. UNSTAMPED SHOP DRAWINGS WILL BE REJECTED WITHOUT REVIEW.
3. ELECTRONIC COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED THROUGH PROJECMATES. ELECTRONIC COPIES OF SHOP DRAWINGS WILL ONLY BE ACCEPTED WHEN REVIEWED SHOP DRAWINGS NOTED AS "NO EXCEPTIONS NOTED" OR "EXCEPTIONS NOTED" BY THE ENGINEER OF RECORD. REPRODUCTION FOR ELECTRONIC COPIES WILL BE BILLED TO GENERAL CONTRACTOR FOR REIMBURSEMENT OF PRINTING COSTS. DESIGN DRAWINGS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. TWO SETS OF REVIEWED SHOP DRAWINGS WILL BE RETURNED TO THE GENERAL CONTRACTOR.
4. ALLOW MINIMUM 10 WORKING DAYS FOR ARCHITECT/ENGINEER REVIEW OF EACH SHOP DRAWING SUBMITTAL. ALLOW AN ADDITIONAL WORKING DAY FOR EVERY 5 DRAWINGS OVER 30.
5. SHOP DRAWINGS FOR CONSTRUCTION OF EACH BUILDING COMPONENT NOT DESIGNED BY THE DESIGN ENGINEER OF RECORD AND NOT SPECIFIED IN THE CONSTRUCTION DOCUMENTS SHALL BE SIGNED & SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. COMPONENTS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: PRE-ENGINEERED TRUSSES, RAILINGS, LADDERS, LIGHT GAUGE STUD FRAMING, RACK SYSTEMS, GLAZING SYSTEMS, AWNINGS AND ANY OTHER ITEM THAT IS DESIGNATED AS "DESIGNED BY OTHERS" OR "PRE-ENGINEERED". THESE SHOP DRAWINGS SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND NOTED AS "NO EXCEPTIONS NOTED" OR "EXCEPTIONS NOTED" BY THE PROJECT ARCHITECT OR ENGINEER OF RECORD.
6. SHOP DRAWINGS SUBMITTED TO THE ENGINEER OF RECORD SHALL ADHERE TO THE FOLLOWING GUIDELINES OR THEY WILL BE REJECTED AND RETURNED TO SENDER UNCHECKED:

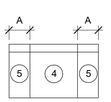
   A. THE LATEST ISSUE DATE, IN THE DRAWING REVISION BOX, OF ANY SHEET IN THE STRUCTURAL DRAWING SET, SHALL BE CLEARLY SHOWN ON THE TOP SHEET OF THE SHOP DRAWINGS.

   B. NO PARTIAL SETS WILL BE ACCEPTED, UNLESS PREVIOUSLY APPROVED BY THE ENGINEER OF RECORD.
7. DETAILER SHALL COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL ATTACHMENTS, CLIPS, OPENINGS OR DUCTWORK AFFECTING STRUCTURAL MEMBERS. ALL ITEMS SHALL BE SHOWN ON SHOP DRAWINGS.
8. DIMENSIONAL COORDINATION SHALL BE PERFORMED BY THE GENERAL CONTRACTOR AND/OR HIS FABRICATOR.
9. PROPOSED CHANGES TO THE CONSTRUCTION DOCUMENTS SHALL BE CLEARLY MARKED IN THE SHOP DRAWINGS AND SHALL INCLUDE SIGNED & SEALED DRAWINGS AND CALCULATIONS BY AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER OF RECORD WILL REVIEW THE PROPOSED CHANGE FOR ACCEPTANCE.
10. THE CONTRACTOR SHALL HAVE PROOF OF WELDER CERTIFICATION AT THE JOBSITE AT ALL TIMES.
11. REVIEWED SHOP DRAWINGS NOTED AS "NO EXCEPTIONS NOTED" OR "EXCEPTIONS NOTED" SHOP DRAWINGS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

C&C Wind Pressures (110 MPH)

	Zone:	10 SF	50 SF	100 SF
Roof:	1	16.0 psf	16.0 psf	16.0 psf
		-26.5 psf	-25.5 psf	-24.2 psf
	2	16.0 psf	16.0 psf	16.0 psf
		-44.4 psf	-37.5 psf	-28.7 psf
	3	16.0 psf	16.0 psf	16.0 psf
		-66.9 psf	-49.9 psf	-28.7 psf
	Overhang Zone 2	-42.2 psf	-41.2 psf	-39.9 psf
	Overhang Zone 3	-66.9 psf	-46.9 psf	-22.0 psf
Walls:	Zone:	10 SF	50 SF	100 SF
	4	23.8 psf	23.3 psf	22.7 psf
		-25.9 psf	-25.4 psf	-24.7 psf
	5	23.8 psf	23.3 psf	22.7 psf
		-31.9 psf	-30.9 psf	-29.7 psf
Notes:	1.TRIBUTARY PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY AREAS, LINEARLY INTERPOLATE BETWEEN VALUES SHOWN ABOVE. 2.POSITIVE PRESSURES ACT TOWARD THE BUILDING. NEGATIVE PRESSURES ACT AWAY FROM THE BUILDING. 3. ALL WIND PRESSURES IN THE TABLE ARE BASED ON ULTIMATE WINDSPEEDS. TO CONVERT TO NOMINAL WIND PRESSURES MULTIPLE VALUES BY 0.6.			

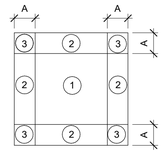
COMPONENT AND CLADDING WALL PRESSURE ZONES



A = 6.5 FEET

ELEVATION

COMPONENT AND CLADDING ROOF PRESSURE ZONES



A = 6.5 FEET

PLAN

WOOD STRUCTURAL SHEATHING NOTES:

1. ALL LUMBER SHALL BE GRADED IN ACCORDANCE WITH APA STANDARDS.
2. ALL NON-SHEARWALL SHEATHING SHALL BE 5/8 THICK 32/16 CD-X PANELS.
3. ALL ROOF SHEATHING SHALL BE 5/8" THICK 32/16 CD-X PANELS.
4. PLYWOOD ON ROOFS SHALL BE PLACED WITH FACE GRAIN ACROSS SUPPORTS AND STAGGERED SO CONTINUOUS PANEL JOINTS OCCUR ONLY IN ONE DIRECTION, PERPENDICULAR TO THE SPAN OF THE SUPPORT. SCREW PLYWOOD WITH #10 SELF-TAPPING SCREWS AT COLD-FORMED SUPPORTS WITH 6" EDGE FASTENING AND 12" FIELD FASTENING.
5. PLYWOOD SHALL BE SCREWED TO WALL STUDS WITH #10 SCREWS WITH 6" EDGE FASTENING AND 12" FIELD FASTENING UNLESS NOTED OTHERWISE.

WOOD NOTES:

1. ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE APPLICABLE BUILDING CODE AND ANSI/AF+PA NDS, THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
2. FRAMING LUMBER 2x6 AND LARGER (EXCEPT SILL AND TOP PLATES) SHALL BE SPF (SPRUCE/PINE/FIR) NO. 2 GRADE USED AT A MAXIMUM MOISTURE CONTENT OF 19% WITH THE FOLLOWING MINIMUM ALLOWABLE STRESSES:
   Fb= 875 PSI
   Fv= 135 PSI
   Fc= 1,150 PSI
   E= 1,400,000 PSI
3. ALL WOOD CONSTRUCTION CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY AND SHALL BE FASTENED PER THE MANUFACTURER'S RECOMMENDATIONS.
4. MINIMUM NAILING SHALL CONFORM TO IBC TABLE 2304.10.1 UNLESS OTHERWISE NOTED ON PLANS OR DETAILS. COMMON NAILS SHALL BE USED UNLESS OTHERWISE NOTED
5. ALL BOLTS, LAG BOLTS AND LAG SCREWS SHALL BE PRE-DRILLED. HOLES FOR BOLTS SHALL BE 1/16" LARGER THAN BOLT DIAMETER. HOLES FOR SMOOTH PORTIONS OF LAG SHANKS SHALL BE OF THE SAME DIAMETER. LAG BOLTS AND SCREWS SHALL NOT BE HAMMERED INTO WOOD MEMBERS.
6. ROOF SHEATHING SHALL BE APA SPAN RATED SHEATHING, EXPOSURE 1. ATTACH WITH COMMON NAILS AS INDICATED ON THE DRAWINGS. STAGGER PANELS AS REQUIRED TO AVOID LINING UP END JOINTS. PROVIDE

PRE-ENGINEERED LIGHT GAUGE STRUCTURAL FRAMING:

GENERAL:

1. LIGHT GAUGE FRAMING INCLUDING EXTERIOR WALL STUDS, INTERIOR WALLS AND SOFFIT STUDS FLOOR JOISTS, AND ROOF JOISTS SHALL BE DESIGNED BY A STRUCTURAL ENGINEER REGISTERED IN THE PROJECT STATE.

2. PRIOR TO FABRICATION, THE CONTRACTOR SHALL SUBMIT SEALED SHOP DRAWINGS INDICATING DESIGN DATA AND SHALL INCLUDE COMPLETE PLANS AND DETAILS.

3. INFORMATION INCLUDED IN THESE PLANS ARE THE MINIMUM REQUIREMENTS. EXTERIOR WALL STUDS SHALL BE A MINIMUM OF 600 S 162-33 AT 16" O.C.

4. METAL STUD STRENGTH CRITERIA:

   A. GAUGES 20 THROUGH 18 - 33 KSI MIN. YIELD STRESS
   B. GAUGES 16 THROUGH 12 - 50 KSI MIN. YIELD STRESS
   C. TRACK RUNNER - 33 KSI MIN. YIELD STRESS

5. METAL STUD MEMBER DESIGNATION: 600 S 162 - 33

   WEB DEPTH: 600 = 6"
   MEMBER TYPE: S = STUD
   FLANGE WIDTH: 162 = 1.625" (1 5/8")
   MINIMUM THICKNESS IN MILS

MILS	GAUGE
33	20
43	18
54	16
68	14
97	12

6. FASTENERS:

   A. SCREW CONNECTIONS

   FASTENING STUD TO STUD
   USE #10-16 TEKS/3 x 5/8" LONG BY ITW BUILDEX UNLESS OTHERWISE NOTED.
   MIN. EDGE DISTANCE = 3/4"
   MIN. SPACING BETWEEN FASTENERS = 3/4"

   FASTENING STUD TO MASONRY:
   USE 1/4" DIA. TAPCON SCREWS BY ITW BUILDEX.
   MIN. EMBEDMENT = 1" MIN. EDGE DISTANCE = 2"
   MIN. SPACING BETWEEN FASTENERS = 3"

   B. POWDER ACTUATED FASTENERS (P.A.F.):

   FASTENING TO CONCRETE or MASONRY:
   USE MIN. 0.145" DIA. DOME HEAD NAIL BY HILTI, UNLESS NOTED OTHERWISE.
   MIN. EMBEDMENT = 1 1/4" MIN. EDGE DISTANCE = 2"
   MIN. SPACING BETWEEN FASTENERS = 3"

   FASTENING TO STEEL:
   USE MIN. 0.145" DIA. DOME HEAD KNURLED SHANK FASTENER
   BY HILTI, UNLESS NOTED OTHERWISE.
   MIN. EMBEDMENT = FULL PENETRATION MIN. EDGE DISTANCE = 1/2"
   MIN. SPACING BETWEEN FASTENERS = 1"

7. FASTENING:

   A. MINIMUM FASTENING REQUIREMENTS, UNLESS NOTED OTHERWISE.

      TRACK TO CONCRETE:
      (2) FASTENERS AT 16" O.C. TYP w/ADD'L FASTENER 3" FROM END OF TRACK AND (2) FASTENERS MINIMUM AT JAMBS.

      TRACK TO STRUCTURAL STEEL:
      12" O.C. TYP. w/ADD'L FASTENER 3" FROM END OF TRACK AND (2) FASTENERS MINIMUM AT JAMBS.

      STUD TO TRACK:
      (1) SCREW MINIMUM AT EACH FLANGE

      STUD TO STUD:
      (3) SCREWS MINIMUM

      STUD TO STEEL OR CONCRETE:
      USE POWDER ACTUATED FASTENERS REFERENCED ABOVE.
      SEE DETAILS FOR CONNECTIONS, MINIMUM 2 FASTENERS.

8. WALL OPENING FRAMING: ALL STUDS CUT TO CREATE WALL OPENING MUST BE REPLACED WITH EQUAL FULL HEIGHT KING STUDS ON EACH SIDE OF THE OPENING.

9. CURTAIN WALL AND NON LOAD BEARING PARTITIONS:

   MECHANICAL BRACING OF STUDS IS NOT NECESSARY WHERE WALL SHEATHING IS ATTACHED ON BOTH SIDES OF THE STUDS.

   WHEN ONLY ONE FACE OF THE STUDS RECEIVE SHEATHING, PROVIDE BRACING BY ONE OF THE FOLLOWING METHODS:

   A. COLD ROLLED CHANNEL, RUN HORIZONTALLY THROUGH STUD PUNCH OUTS AND ATTACHED AT EACH STUD.

   B. 2" WIDE, 18 GAUGE, STEEL STRAPS RUN HORIZONTALLY, ON BOTH SIDES OF THE STUDS, AND ATTACHED AT EACH STUD.

   VERTICAL SPACING OF THE BRACING IS LIMITED TO A MAXIMUM OF 4'-0" THROUGHOUT THE HEIGHT OF THE WALL.

10. PROVIDE ALL ACCESSORIES AS REQUIRED BY THE METAL STUD MANUFACTURER.

11. JOISTS SHALL BE FABRICATED TO PROVIDE 12" OF UNPUNCHED WEB AT BEARING ENDS.

12. PROVIDE JOIST WEB STIFFENERS PER METAL STUD MANUFACTURERS' RECOMMENDATIONS AT BEARING POINTS.

13. PROVIDE END BLOCKING WHERE JOISTS ARE NOT RESTRAINED AGAINST ROTATION.

14. NO LIGHT GAUGE MEMBER, THAT HAS BEEN TRIMMED OR CUT, SHALL BE INSTALLED SO THAT AN EDGE OF A WEB PUNCH OUT OCCURS WITHIN 10" MINIMUM OF THE TRIMMED OR CUT MEMBER END.

15. ALL MEMBER CUTTING MUST BE PERFORMED USING A SAW OR SHEAR. NO TORCH CUTTING IS ALLOWED AT ANY TIME. ALSO CUTTING OF ADDITIONAL HOLES, OTHER THAN THOSE PROVIDED BY THE MANUFACTURER, IN THE MEMBER WEB IS NOT PERMITTED AT ANY TIME.

16. SPLICING OF AXIALLY LOADED MEMBERS IS NOT ALLOWED AT ANY TIME.

17. BUILT UP LIGHT GAUGE HEADERS, CONSTRUCTED FOR EXTERIOR WALL CONDITIONS, SHALL HAVE INSULATION PLACED WITHIN THEM PRIOR TO THEIR INSTALLATION IN WALL SYSTEM.

PERFORMANCE REQUIREMENTS:

A. STRUCTURAL PERFORMANCE: PROVIDE COLD FORMED METAL FRAMING CAPABLE OF WITHSTANDING DESIGN LOADS WITHIN LIMITS AND UNDER CONDITIONS INDICATED.

   1. DESIGN LOADS: AS INDICATED IN STRUCTURAL DESIGN CRITERIA.

   2. DEFLECTION LIMITS: DESIGN FRAMING SYSTEMS TO WITHSTAND DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE FOLLOWING:

      a. EXTERIOR LOAD BEARING WALL FRAMING: HORIZONTAL DEFLECTION OF L/360 OF THE WALL HEIGHT.

      b. INTERIOR LOAD BEARING WALL FRAMING: HORIZONTAL DEFLECTION OF L/240 OF THE WALL HEIGHT.

      c. WALL FRAMING SUPPORTING BRICK VENEER: DEFLECTION OF L/600 OF THE SPAN LENGTH.

   3. DESIGN FRAMING SYSTEMS TO PROVIDE FOR MOVEMENT OF FRAMING MEMBERS WITHOUT DAMAGE OR OVERSTRESSING, SHEATHING FAILURE, CONNECTION FAILURE, UNDUE STRAIN ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO A MAXIMUM AMBIENT TEMPERATURE CHANGE OF 120 DEG. F.

   4. DESIGN FRAMING SYSTEM TO MAINTAIN CLEARANCES AT OPENINGS, TO ALLOW FOR CONSTRUCTION TOLERANCES, AND TO ACCOMMODATE LIVE LOAD DEFLECTION OF PRIMARY BUILDING STRUCTURE.

   5. METAL STUD MANUFACTURER SHALL BE A MEMBER OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

   6. ALL METAL STUDS AND ACCESSORIES SHALL HAVE A G60 GALVANIZED COATING, UNLESS NOTED OTHERWISE.

SUBMITTALS:

A. PRODUCT DATA: FOR EACH TYPE OF COLD FORMED METAL FRAMING PRODUCT AND ACCESSORY INDICATED.

B. SHOP DRAWINGS: SHOW LAYOUT, SPACINGS, SIZES, THICKNESSES, AND TYPES OF COLD FORMED METAL FRAMING; FABRICATION; AND FASTENING AND ANCHORAGE DETAILS, INCLUDING MECHANICAL FASTENERS. SHOW REINFORCING CHANNELS, OPENING FRAMING, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, CONNECTION DETAILS, AND ATTACHMENT TO ADJOINING WORK.

   1. FOR COLD FORMED METAL FRAMING INDICATED TO COMPLY WITH DESIGN LOADS, INCLUDE STRUCTURAL ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER (LICENSED IN THE PROJECT STATE) RESPONSIBLE FOR THEIR PREPARATION.

QUALITY ASSURANCE:

A. INSTALLER QUALIFICATIONS: AN EXPERIENCED INSTALLER WHO HAS COMPLETED COLD FORMED METAL FRAMING SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THAT INDICATED FOR THIS PROJECT AND WHOSE WORK HAS RESULTED IN CONSTRUCTION WITH A RECORD OF SUCCESSFUL IN SERVICE PERFORMANCE.

B. ENGINEERING RESPONSIBILITY: ENGAGE A QUALIFIED PROFESSIONAL ENGINEER (LICENSED IN THE PROJECT STATE) TO PREPARE DESIGN CALCULATIONS, SHOP DRAWINGS, AND OTHER STRUCTURAL DATA.

   REFER TO LIGHT GAUGE FRAMING DRAWINGS FOR LIGHT GAGE METAL NOTES, PLANS AND DETAILS REQUIRED TO COMPLETE SYSTEM.

C. AISI SPECIFICATIONS: COMPLY WITH AISI'S "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" OR "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR COLD FORMED STEEL STRUCTURAL MEMBERS".

ABBREVIATIONS

A.B.	ANCHOR BOLT	MAS.	MASONRY
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ARCH	ARCHITECT	MFR.	MANUFACTURER
		MIN.	MINIMUM
B/	BOTTOM OF	MISC.	MISCELLANEOUS
BM.	BEAM	M.O.	MASONRY OPENING
BOTT	BOTTOM	MTL.	METAL
BLKG.	BLOCKING		
BLDG.	BUILDING	N.A.	NOT APPLICABLE
		N/A	NOT APPLICABLE
CJ	CONTROL/CONSTRUCTION JOINT	N.D.T.	NON-DESTRUCTIVE TESTING
C.L.	CENTER LINE	N.I.C.	NOT IN CONTRACT
CLR	CLEAR	N.T.S.	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	O.C.	ON CENTER
CONC	CONCRETE	O.D.	OUTSIDE DIAMETER
CONT	CONTINUOUS	O.H.	OPPOSITE HAND
CONST	CONSTRUCTION	OPNG	OPENING
CONTR.	CONTRACTOR	OPP.	OPPOSITE
COORD	COORDINATE		
CTR.	CENTER	P.A.F.	POWDER ACTUATED FASTENER
		PJF	PREMOLDED JOINT FILLER
DET.	DETAIL	PL	PLATE
DIA	DIAMETER	PLYWD.	PLYWOOD
DN	DOWN	PREFAB.	PREFABRICATED
DIM.	DIMENSION	P.T.	PRESSURE TREATED
DWG.	DRAWING	PTD.	PAINTED
EA.	EACH	RAD.	RADIUS
E.J.	EXPANSION JOINT	REINF	REINFORCING
EL	ELEVATION	REQ'D	REQUIRED
ELEV	ELEVATION		
E.O.R.	ENGINEER OF RECORD	SECT.	SECTION
E.W.	EACH WAY	SHT.	SHEET
EXIST.	EXISTING	SIM.	SIMILAR
E.O.S.	EDGE OF SLAB	SPCS	SPACES
		SQ.	SQUARE
F.F.	FINISH FLOOR	STD.	STANDARD
FIN. FLR.	FINISH FLOOR	STL	STEEL
FT.	FOOT	STRUC.	STRUCTURAL
F.S.	FOOTING STEP	S.W.	SHORT WAY
FTG.	FOOTING		
F.V.	FIELD VERIFY	T/	TOP OF
		THK.	THICK
GA.	GAUGE	T.O.S.	TOP OF STEEL
GALV.	GALVANIZED	TYP	TYPICAL
G.C.	GENERAL CONTRACTOR		
GDR	GIRDER	U.N.O.	UNLESS NOTED OTHERWISE
HT.	HEIGHT	VERT.	VERTICAL
HORIZ	HORIZONTAL		
		WD	WOOD
JBE	JOIST BEARING ELEVATION	WF	WIDE FLANGE
JST	JOIST	WWF	WELDED WIRE FABRIC
JT	JOINT	WWM	WELDED WIRE MESH
		W/	WITH
KB	KNEE BRACE	W/O	WITHOUT
		WP	WORK POINT
LG	LONG		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
LW	LONG WAY		

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DESIGN PROFESSIONALS

GPD GROUP
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520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

GEORGIA REGISTERED No. 00509 STRUCTURAL ENGINEER JOHN N. KABIK
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

GENERAL STRUCTURAL NOTES

SHEET NUMBER

S001

SPECIAL INSPECTION AND TESTING:

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTORS RESPONSIBILITIES.

THE SPECIAL INSPECTIONS & TESTING PROGRAM:

THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN IBC SECTION 110. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. FURTHER, IT IS NOT INTENDED THAT THE CONTRACTOR'S CONTRACTUAL AND STATUTORY OBLIGATIONS ARE ANYWAY RELIEVED OR FOREGONE BY THE PRESENCE OF THE SPECIAL INSPECTOR. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF HTE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

THE PROJECT OWNER IS RESPONSIBLE FOR EMPLOYING SPECIAL INSPECTION SERVICES. THE SPECIAL INSPECTOR/AGENCY SHALL NOT BE IN THE EMPLOY OF THE CONTRACTOR, SUBCONTRACTOR OR MATERIAL SUPPLIER. IBC SEC. 1704.1. IN THE CASE OF AN OWNER/CONTRACTOR, THE SPECIAL INSPECTOR/AGENCY SHALL BE EMPLOYED AS SPECIFIED BY THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN SUBSTANTIVE ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY ARCHITECT/ENGINEER.

THE INSPECTION AND TESTING AGENTS SHALL DISCLOSE ANY PAST OR PRESENT BUSINESS RELATIONSHIP OR POTENTIAL CONFLICT OF INTEREST WITH THE CONTRACTOR OR ANY OF THE SUBCONTRACTORS WHOSE WORK IS TO BE INSPECTED OR TESTED. THE SPECIAL INSPECTORS MAY HAVE NO FINANCIAL INTEREST IN PROJECTS FOR WHICH THEY PROVIDE SPECIAL INSPECTION SERVICES.

SPECIAL INSPECTION REPORT REQUIREMENTS:

SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH THE INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT THE WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY OF THE DISCREPANCIES NOTED IN THE INSPECTIONS, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

CONTRACTOR RESPONSIBILITIES:

THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTION FOR THE ITEMS LISTED IN THE SCHEDULE OF SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTICE TO THE SPECIAL INSPECTOR FOR ALL INSPECTIONS.

THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL REVIEW THE SPECIAL INSPECTION PLAN AND COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED INSPECTIONS.

PROVIDE ACCESS TO APPROVED PLANS: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO APPROVED PLANS. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF THE CONTRACT DOCUMENTS AT THE JOB SITE.

CORRECT DISCREPANCIES AND DEVIATIONS: THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE SPECIAL INSPECTOR, IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

WORK COMPLETED WITHOUT INSPECTION: WORK REQUIRING INSPECTION WHICH IS COMPLETED WITHOUT INSPECTION WILL BE REJECTED SOLELY ON THAT BASIS.

RETAIN SPECIAL INSPECTION RECORDS: THE CONTRACTOR IS ALSO RESPONSIBLE FOR RETAINING AT THE JOB SITE ALL SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTOR.

COORDINATE AND SUBMIT. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING TO THE BUILDING OFFICIAL AND THE OWNER A STATEMENT OF CONTRACTOR RESPONSIBILITY, IBC SECTION 1704.4, FOR THEMSELVES AND FOR SUBMITTING A STATEMENT OF CONTRACTOR RESPONSIBILITY FOR EACH STRUCTURAL COMPONENT SUBCONTRACTOR. THE STATEMENTS OF RESPONSIBILITY SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT.

A. THE STATEMENT OF CONTRACTOR RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.
2. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS.
4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.

B. STRUCTURAL COMPONENT SUBCONTRACTORS INCLUDE BUT ARE NOT LIMITED TO STRUCTURAL STEEL FABRICATORS AND ERECTORS, COMPONENT FABRICATORS, SUCH AS STEEL JOISTS, METAL OR WOOD TRUSSES, CONCRETE AND MASONRY CONTRACTORS.

C. AT THE COMPLETION OF STRUCTURAL COMPONENT FABRICATION, THE FABRICATORS SHALL SUBMIT A CERTIFICATE OF COMPLIANCE STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS OF:

RETESTING AND REINSPECTION OF MATERIALS, WORK AND/OR PRODUCTS THAT DO NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS/SUBMITTAL DATA.

REVIEW OF PROPOSED REPAIR AND/OR REPLACEMENT PROCEDURES BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE INSPECTORS AND TESTING AGENCIES.

REPAIR OR REPLACEMENT OF WORK THAT DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

THE CONTRACTOR IS RESPONSIBLE FOR THE TRAVEL COSTS OF THE SPECIAL INSPECTOR OR AGENTS WHEN SHOP INSPECTION IS REQUIRED OF A NON APPROVED STRUCTURAL COMPONENT FABRICATOR.

INSPECTION OF FABRICATION:

WHERE FABRICATION OF STRUCTURAL MEMBERS AND ASSEMBLIES ARE PERFORMED ON THE PREMISES OF THE FABRICATOR, THE SHOP FABRICATION REQUIRES SPECIAL INSPECTION DURING THE FABRICATION OF ITEMS FOR THIS PROJECT.

EXEMPTION:

FABRICATORS APPROVED BY THE BUILDING OFFICIAL ARE EXEMPT FROM THE ON PREMISE INSPECTION. THE APPROVAL BY THE BUILDING OFFICIAL OF ANY FABRICATOR SHOULD BE PROPERLY DOCUMENTED PRIOR TO THE COMMENCEMENT OF FABRICATION. EXEMPTION WILL BE PROVIDED TO FABRICATORS WHO PROVIDE PROOF OF CERTIFICATION BY A NATIONALLY RECOGNIZED GOVERNING ASSOCIATION WHICH PERFORMS PERIODIC INSPECTIONS AND MAINTAINS QUALITY ASSURANCE CRITERIA. EXAMPLES ARE: AISC CERTIFICATION FOR A STEEL FABRICATOR, SJI CERTIFICATION FOR A STEEL JOIST MANUFACTURER, WTC AND TPI CERTIFICATION FOR A PRE-ENGINEERED WOOD TRUSS MANUFACTURER.

AT THE COMPLETION OF FABRICATION, THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

CONCRETE TESTING NOTES:

CONCRETE TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND THE SCHEDULE OF SPECIAL INSPECTIONS. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 75 C.Y. OF CONCRETE USED IN FOOTINGS; NOR LESS THAN ONCE FOR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS. TEST REPORTS INDICATING NON-COMPLIANCE SHALL BE PROVIDED TO THE OWNER, ARCHITECT & CONTRACTOR. A COPY OF THE TEST REPORTS SHALL BE AVAILABLE AT THE JOBSITE.

STEEL INSPECTION & TESTING NOTES:

STRUCTURAL STEEL TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE REFERENCED STANDARDS AND THE SCHEDULE OF SPECIAL INSPECTIONS.

FIELD BOLTED CONNECTIONS WILL BE TESTED AND INSPECTED ACCORDING TO RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."

FIELD WELDS SHALL BE INSPECTED AND TESTED ACCORDING TO AWS D1.1. IN ADDITION TO VISUAL INSPECTION, WELDED MOMENT CONNECTIONS WILL BE TESTED BY ULTRASONIC, ASTM E164, OR OTHER AWS APPROVED METHOD.

MASONRY INSPECTION & TESTING NOTES:

CONCRETE MASONRY TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 530 AND THE SCHEDULE OF SPECIAL INSPECTIONS. INSPECTION SHALL INCLUDE GENERAL INSPECTION OF WORK IN PROGRESS TO CONFIRM THAT MATERIALS, CONSTRUCTION AND WORKMANSHIP ARE IN COMPLIANCE WITH PLANS, SPECIFICATIONS AND GOOD CONSTRUCTION PRACTICES. ADDITIONALLY, MORTAR SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH ASTM C780 ANNEX A6. EACH TEST SHALL CONSIST OF THREE SPECIMENS.

FREQUENCY OF TESTING: AT THE BEGINNING OF MASONRY CONSTRUCTION AND FOR EVERY 5000 SQUARE FEET OF MASONRY INSTALLED THEREAFTER.

COLD WEATHER = LESS THAN 40 DEGREES FAHRENHEIT
HOT WEATHER = GREATER THAN 90 DEGREES FAHRENHEIT

INSPECTOR TO BE CERTIFIED BY THE INTERNATIONAL CODE COUNCIL.

OTHER REQUIRED INSPECTIONS:

THE REQUIREMENTS OF SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE OF THE INTERNATIONAL BUILDING CODE ARE MINIMUM REQUIREMENTS AND DO NOT LIMIT THE REQUIREMENTS FOR THE CONTRACTOR TO PROVIDE OTHER QUALITY CONTROL INSPECTIONS AND TESTING REQUIRED BY THE OWNER, CONTRACT DOCUMENTS, OR OTHER GOVERNING AUTHORITIES HAVING JURISDICTION.

SCHEDULE OF SPECIAL INSPECTIONS

1704.2.5 INSPECTION OF FABRICATORS

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT Y/N	APPLICABLE TO PROJECT EXTENT
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN-PLANT REVIEW (3) DURING FABRICATION	Y	SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1.

1705.2 STEEL CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT Y/N	APPLICABLE TO PROJECT EXTENT
1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, SECTION N3, PARAGRAPH 2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	Y	EACH SUBMITTAL
2. MATERIAL VERIFICATION OF STRUCTURAL STEEL HIGH-STRENGTH BOLTS, NUTS, & WASHERS, & WELD FILLER MATERIALS.	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC
3. EMBEDMENTS, VERIFY DIAMETER, GRADE, TYPE, LENGTH, & EMBEDMENT. (SEE 1705.3 FOR ANCHORS)	FIELD INSPECTION	Y	PERIODIC
4. VERIFY MEMBERS LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	Y	PERIODIC
5. STRUCTURAL STEEL WELDING	————	——	————
a. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-1)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)
b. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-2)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE (4)
c. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-3)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)
d. NONDESTRUCTIVE (NDT) TESTING OF WELDED JOINTS:	————	——	————
1) NOT USED			
2) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II	SHOP (3) OR FIELD ULTRASONIC TESTING - 10% OF WELDS MINIMUM	Y	PERIODIC
5) FABRICATORS NDT REPORTS WHEN FABRICATORS PERFORMS NDT	VERIFY REPORTS	Y	EACH SUBMITTAL (5)
6. STRUCTURAL STEEL BOLTING:	SHOP (3) AND FIELD INSPECTION	——	————
a. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1)	————	——	OBSERVE OR PERFORM AS NOTED (4)
b. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2)	————	——	OBSERVE (4)
1) PRE-TENSIONED AND SLIP-CRITICAL JOINTS	————	——	
a) NOT USED			
b) DIRECT TENSION INDICATOR	————	Y	PERIODIC
c) TWIST-OFF TYPE TENSION CONTROL BOLT	————	Y	PERIODIC
2) SNUG-TIGHT JOINTS	————	Y	PERIODIC
c. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-3)	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERFORM (4)

1705.2.2 COLD FORMED STEEL DECK

TABLE 1.1 INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT

	TASK	Y/N	EXTENTS
A	VERIFY COMPLIANCE OF MATERIAL, (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	Y	EACH SUBMITTALS
B	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	Y	EACH SUBMITTALS

TABLE 1.2 INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT

	TASK	Y/N	EXTENTS
A	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	Y	PERIODIC
B	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	Y	PERIODIC
C	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	Y	PERIODIC

TABLE 1.3 INSPECTION OR EXECUTION TASKS PRIOR TO WELDING

	TASK	Y/N	EXTENTS
A	WELDING PROCEDURE SPECIFICATIONS, (WPS) AVAILABLE	Y	PERIODIC
B	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	Y	PERIODIC
C	MATERIAL IDENTIFICATION, (TYP/GRADE)	Y	PERIODIC
D	CHECK WELDING EQUIPMENT	Y	PERIODIC

TABLE 1.4 INSPECTION OR EXECUTION TASKS DURING WELDING

	TASK	Y/N	EXTENTS
A	USE OF QUALIFIED WELDERS	Y	PERIODIC
B	CONTROL AND HANDLING OF WELDING CONSUMABLES	Y	PERIODIC
C	ENVIRONMENTAL CONDITIONS, (WIND SPEED, MOISTURE, TEMPERATURE)	Y	PERIODIC
D	WPS FOLLOWED	Y	PERIODIC

TABLE 1.5 INSPECTION OR EXECUTION TASKS AFTER WELDING

	TASK	Y/N	EXTENTS
A	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	Y	PERIODIC
B	WELDS MEET VISUAL ACCEPTANCE CRITERIA	Y	PERIODIC
C	VERIFY REPAIR ACTIVITIES	Y	PERIODIC
D	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	Y	PERIODIC

1705.3 CONCRETE CONSTRUCTION

MATERIAL/ ACTIVITY	APPLICABLE TO PROJECT Y/N	APPLICABLE TO PROJECT EXTENT	REFERENCE D STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	Y	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4
2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 b. INSPECT SINGLE-PASS FILLET WELDS, MAX. 5/16" c. INSPECT ALL OTHER WELDS.	Y Y Y	PERIODIC CONTINUOUS PERIODIC	AWS D1.4 ACI 318: 26.5.4	-
3. INSPECT ANCHORS CAST IN CONCRETE.	Y	PERIODIC	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	Y Y	PERIODIC PERIODIC	ACI 318: 17.8.2.4 ACI 318: 17.8.2	-
5. VERIFY USE OF REQUIRED DESIGN MIX.	Y	PERIODIC	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMINS FOR STRENGTH TESTS, PREFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Y	CONTINUOUS	ASTM C172 ASTM C31 ACI 318: 26.4.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Y	CONTINUOUS	ACI 318: 26.4.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES.	Y	PERIODIC	ACI 318: 26.4.7-26.4.9	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING FORCES b. GROUTING OF BONDED PRESTRESSING TENDONS.	N N	CONTINUOUS CONTINUOUS	ACI 318: 26.9.2.1 ACI 318:26.9.2.3	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	N	PERIODIC	ACI 318: CH 26.8	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	N	PERIODIC	ACI 318: 26.10.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	Y	PERIODIC	ACI 318: 26.10.1[b]	-
13. CONRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS.	Y	PERIODIC	-	-

FOR SI: INCH = 25.4 mm.
(a.) WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.
(b.) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

1705.4 MASONRY CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT Y/N	APPLICABLE TO PROJECT EXTENT
(A) LEVEL A, B & C ASSURANCE:	————	——	————
1. VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	FIELD INSPECTION	Y	PERIODIC
(B) LEVEL B QUALITY ASSURANCE	————	Y	————
1. VERIFICATION OF FM TO CONSTRUCTION	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD	Y	PERIODIC
(C) LEVEL C QUALITY ASSURANCE	————	N	————
1. VERIFICATION OF F'M PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SF DURING CONSTRUCTION	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD	N	PERIODIC
2. VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE	FIELD INSPECTION	N	CONTINUOUS
3. VERIFY PLACEMENT OF MASONRY UNITS	FIELD INSPECTION	N	PERIODIC
(D) LEVELS B & C QUALITY ASSURANCE			
1. VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) OF SELF-CONSOLIDATING GROUT AS DELIVERED TO THE PROJECT	FIELD TESTING	Y	CONTINUOUS
2. VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	FIELD INSPECTION	Y	PERIODIC
3. VERIFY PROPORTIONS OF SITE-MIXED MORTAR AND GROUT	FIELD INSPECTION	Y	PERIODIC
4. VERIFY GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS	FIELD INSPECTION	Y	PERIODIC
5. VERIFY CONSTRUCTION OF MORTAR JOINTS	FIELD INSPECTION	Y	PERIODIC
6. VERIFY PLACEMENT OF REINFORCEMENT, CONNECTORS	FIELD INSPECTION	Y	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
7. VERIFY GROUT SPACE PRIOR TO GROUTING	FIELD INSPECTION	Y	
8. VERIFY PLACEMENT OF GROUT	FIELD INSPECTION	Y	CONTINUOUS
9. VERIFY SIZE AND LOCATION OF STRUCTURAL MASONRY ELEMENTS	FIELD INSPECTION	Y	PERIODIC
10. VERIFY TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	FIELD INSPECTION	Y	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
11. VERIFY WELDING OF REINFORCEMENT (SEE 1705.2.2)	FIELD INSPECTION	Y	CONTINUOUS
12. VERIFY PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEG F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEG F)	FIELD INSPECTION	Y	PERIODIC
13. PREPARE GROUT AND MORTAR SPECIMENS.	FIELD TESTING	Y	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
14. OBSERVE PREPARATION OF PRISMS	FIELD INSPECTION	Y	

1705.6 SOILS

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT Y/N	APPLICABLE TO PROJECT EXTENT
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	FIELD INSPECTION	Y	PERIODIC
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	FIELD INSPECTION	Y	PERIODIC
3. PREFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	FIELD INSPECTION	Y	PERIODIC
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, & LIFT THICKNESSESS DURING PLACEMENT & COMPACTION OF COMPACTED FILL	FIELD INSPECTION	Y	CONTINUOUS
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	Y	PERIODIC

NOTES:
1. THE INSPECTION AND TESTING AGENT OR AGENTS, SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESIONAL.
2. SUBMIT A LIST OF THE SPECIAL INSPECTORS ON A SEPARATE DOCUMENT TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL.
3. SPECIAL INSPECTIONS AS REQUIRED BY SECTION 1704.2.5 ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5.1.
4. OBSERVE ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH WELDED JOINT, BOLTED CONNECTION, OR STEEL ELEMENT.
5. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. REFER TO AISC 360, N7.

DEFINITIONS:
1. SPECIAL INSPECTION: INSPECTION OF CONSTRUCTION REQUIRING THE EXPERTISE OF AN APPROVED SPECIAL INSPECTOR IN ORDER TO ENSURE COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
2. SPECIAL INSPECTOR: QUALIFIED FIRM OR INDIVIDUAL RESPONSIBLE FOR PERFORMING SPECIFIC TESTS OR INSPECTIONS AS PART OF THE SPECIAL INSPECTION PROGRAM.
3. PERIODIC SPECIAL INSPECTION: THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. MAY BE ALLOWED WHEN COMPLIANCE OF THE WORK OR PRODUCT CAN BE DETERMINED AFTER BEING INCORPORATED INTO THE STRUCTURE.
4. CONTINUOUS SPECIAL INSPECTION: THE FULL TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
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SUITE 900
ATLANTA, GEORGIA 30339
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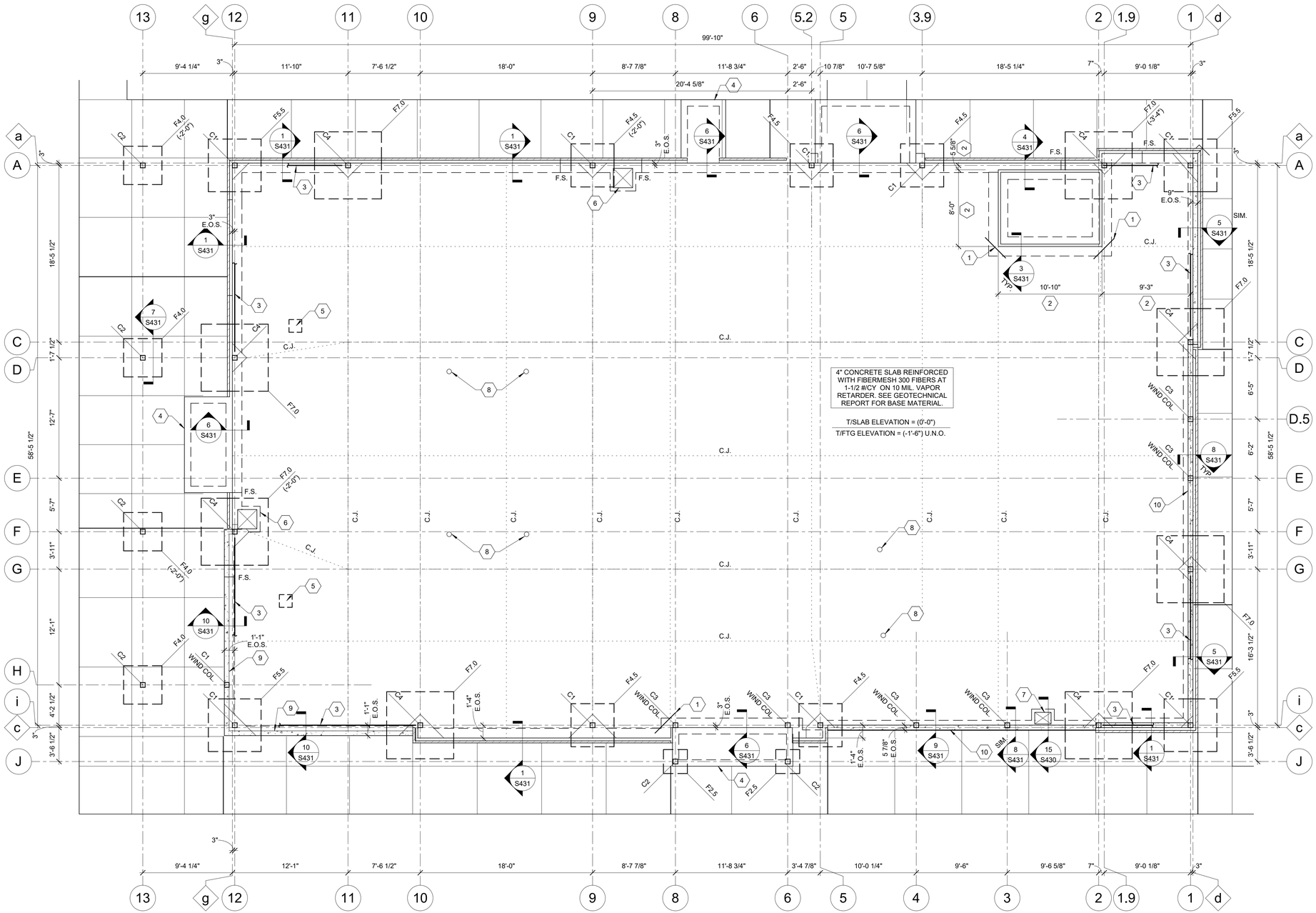
PROJECT NAME
**LAKE O



1 FOUNDATION PLAN
3/16" = 1'-0"

GENERAL NOTES

1. STEP FOOTINGS BELOW MECHANICAL, ELECTRICAL, OR PLUMBING LINES REQUIRED TO AVOID INTERFERENCE. SEE TYPICAL FOOTING STEP DETAIL. COORDINATE WITH OTHER TRADES. PROVIDE STEEL OR CAST IRON PIPE SLEEVE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH WALLS.
2. PROVIDE STEEL OR CAST IRON PIPE SLEEVE FOR PIPES PASSING UNDER FOOTINGS.
3. BOTTOM OF FOUNDATION TURNDOWN SHALL BE A MINIMUM OF 18" BELOW ADJACENT GRADES.
4. PROVIDE LEVELING NUT ON ANCHOR ROD AT ALL COLUMN LOCATIONS.
5. SIDEWALK SLAB SHALL BE 4" THICK CONCRETE REINFORCED WITH FIBERMESH 300 FIBERS AT 1-1/2 #/CY. SEE GEOTECHNICAL REPORT FOR BASE MATERIAL.
6. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR ANY SIDEWALK, PLANTER, OR PAVER LOCATIONS AND DETAILS.
7. C.J. = FLOOR SLAB CONTROL OR CONSTRUCTION JOINTS. SEE DETAILS ON SHEET S430. PROVIDE CONCRETE SLAB CONTROL JOINTS PER SHEET S000.
8. CONDUITS AND PIPES EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD THE OVERALL THICKNESS OF THE SLAB.
9. CONDUITS AND PIPES EMBEDDED IN SLABS SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER.
10. A MINIMUM SLAB THICKNESS OR 2-1/2" MUST BE MAINTAINED OVER ITEMS EMBEDDED IN THE SLAB.
11. XXX.XX DENOTES T/FINISH GRADE ELEVATION IN FEET. REFER TO AND COORDINATE WITH CIVIL PLANS ON ALL GRADE ELEVATIONS

SOIL TREATMENT NOTES

1. FURNISH AND INSTALL COMPLETE SOILS TREATMENT WITH TERMITICIDE UNDER AND ADJACENT TO BUILDING TO PROVIDE UNIFORM TOXIC CONTINUOUS TREATED ZONE IN ALL ROUTES OF TERMITE ENTRY. COORDINATE SOIL TREATMENT APPLICATION WITH EXCAVATION, FILLING, GRADING, AND CONCRETE OPERATIONS. TREAT SOIL UNDER FOOTINGS, GRADE BEAMS, AND GROUND-SUPPORTED SLABS BEFORE CONSTRUCTION. FOR INTERIOR SLAB-ON-GRADE CONCRETE, COORDINATE WORK SO VAPOR RETARDER CAN BE INSTALLED AS SOON AS POSSIBLE AFTER APPLICATION OF TERMITE PROTECTION ON TOP OF SOIL BASE OR AGGREGATE BASE. GENERAL CONTRACTOR/APPLICATOR SHALL PROVIDE CERTIFICATES REQUIRED BY ANY AUTHORITIES HAVING JURISDICTION.
2. APPLICATOR SHALL BE LICENSED PEST PROFESSIONAL ACCORDING TO REGULATIONS OF AUTHORITIES HAVING JURISDICTION WITH MANUFACTURER'S CERTIFICATION TRAINING IN CORRECT APPLICATION METHODS TO APPLY TERMITE CONTROL TREATMENT AND PRODUCTS IN JURISDICTION WHERE PROJECT IS LOCATED.

SHEET KEYNOTES

1	RE-ENTRANT CORNER BAR. SEE DETAIL 6/S430.
2	COORDINATE FINAL DIMENSIONS WITH NOTED AS "NO EXCEPTIONS NOTED" OR "EXCEPTIONS NOTED" VENDOR DRAWINGS.
3	BRACE FRAME. SEE DETAIL 4/S434 FOR BOTTOM OF BRACED FRAME.
4	TURNDOWN SLAB, SEE 9/S430.
5	HSS2x2 PARTITION POST CORED AND SET IN 1'-4"x1'-4"x0'-8" THICKENED SLAB - SEE ARCH. FOR LOCATIONS
6	MOP SINK SLAB DEPRESSION SLOPED TO DRAIN. SEE S430 AND ARCH DWGS FOR DETAILS.
7	SAFE PIT. SEE 10/S430 FOR SAFE PIT DETAIL.
8	RECESS EQUIPMENT OUTLET, COORDINATE WITH ELECTRICAL.
9	CONCRETE CURB. SEE 10/S431
10	CONCRETE CURB.

FOOTING SCHEDULE

2000 PSF

MARK	WIDTH	LENGTH	THICKNESS	Type Comments
F2.5	2' - 6"	2' - 6"	1' - 4"	(3) #5 EA. WAY
F4.0	4' - 0"	4' - 0"	1' - 4"	(4) #5 EA. WAY T&B
F4.5	4' - 6"	4' - 6"	1' - 4"	(5) #5 EA. WAY T&B
F5.5	5' - 6"	5' - 6"	1' - 4"	(6) #6 EA. WAY T&B
F7.0	7' - 0"	7' - 0"	1' - 4"	(7) #6 EA. WAY T&B

COLUMN SCHEDULE

MARK	SIZE	BASE PL	BASE PL TYPE	ANCHOR BOLTS
C1	HSS6X6X5/16	1-1/4"X14X14	TYPE A	(4) 3/4" DIA. X 18"
C2	HSS6X6X1/4	1-1/4"X14X14	TYPE A	(4) 3/4" DIA. X 18"
C3	HSS6X6X1/4 WIND COLUMN	1-1/4"X12X6	TYPE C	(2) 1/2" DIA. X 12"
C4	HSS6X6X5/16 BRACE	1-1/4"X21.5X14	TYPE B	(4) 3/4" DIA. X 18"

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DESIGN PROFESSIONALS

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Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

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09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

GEORGIA REGISTERED No. 00609 STRUCTURAL ENGINEER
JOHN N. KAJAK
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

FOUNDATION PLAN

SHEET NUMBER

S120

GENERAL NOTES

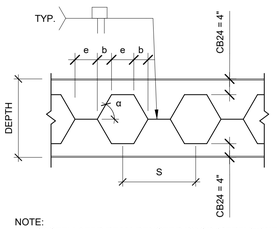
1. PROVIDE L3X3X1/4 ROOF DECK SUPPORT ANGLE AT BEARING EDGES OF ROOF DECK PERIMETER. LOCATE JOINTS IN CONTINUOUS ANGLE AT BEAM LOCATIONS. WELD ANGLE TO EACH JOIST TOP CHORD TYP. U.N.O.
2. ROOF TOP UNIT CURB SHALL ATTACH TO STEEL SUPPORT FRAMING WITH #12 TEK SCREWS AT 6" O.C. OR BY WELDING AS SHOWN IN THE TYPICAL ROOF DECK ATTACHMENT DETAIL. ALL ROOF TOP UNIT DIMENSIONS SHALL BE COORDINATED BY THE G.C. THE CURB MANUFACTURER IS TO PROVIDE HVAC AND ROOF TOP EQUIPMENT UPLIFT RESTRAINT BRACKET FOR APPLICABLE WIND SPEED.
3. ROOF DECK WELD PATTERN TO SUPPORTING MEMBERS SHALL BE A 36/4 PATTERN OF 5/8" DIA. PUDDLE WELDS. DECK SIDELAP FASTENERS SHALL BE (5) #10 TEK SCREWS PER SPAN. ATTACH DECK TO PERIMETER SUPPORTS WITH 5/8" DIA. PUDDLE WELDS AT 6" O.C. FASTEN DECK AT OPENINGS FRAMES WITH #12 TEK SCREWS AT 6" O.C. REFER TO TYPICAL ROOF DECK ATTACHMENT DETAIL.
4. [X'-X"] INDICATES TOP OF COLUMN ELEVATION ABOVE FINISHED FLOOR.
5. [U.T.BM.] INDICATES TOP OF COLUMN IS BOTTOM OF BEAM.
6. (X'-X") INDICATES TOP OF STEEL BEAM ELEVATION ABOVE FINISHED FLOOR.
7. ALL ROOF PENETRATIONS, DIMENSIONED AND NON-DIMENSIONED, ARE SUBJECT TO CHANGE DUE TO FIELD CONDITIONS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO PENETRATING ROOF.
8. REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL BRACKETS, BRACES, SUPPORTS, ECT. NOT INDICATED ON THE STRUCTURAL DRAWINGS.

LEGEND

1. RC1.5 — INDICATES METAL ROOF DECK DIRECTION - SEE GENERAL NOTES FOR SIZE, TYPICAL.
2. DENOTES MOMENT CONNECTION SEE 16/S432
3. PLY 1 — INDICATES PLYWOOD ROOF SHEATHING DIRECTION - SEE GENERAL NOTES FOR SIZE, TYPICAL.

SHEET KEYNOTES

1	L2x2x1/4 HORIZONTAL AND DIAGONAL BRIDGING AT COLUMNS. SEE 17/S432.
2	ANGLE KICKERS AND HEADER AT COLUMN. SEE 10/S434.
3	REFER TO DETAILS FOR TYP. RTU SUPPORT FRAMING. SEE 7/S432.
4	ROOF DRAIN, SEE ARCHITECTURAL.
5	PERIMETER ANGLE TO BE MITERED AND FULL PEN WELD AT CORNERS, TYP.
6	OUTLINE OF CANOPY, SEE ARCHITECTURAL
7	HSS4X4X1/4 OUTRIGGER, TYP. EQ. SPACING
8	HSS EQUIPMENT STUB COLUMN
9	REFER TO DETAILS FOR TYP. CONDENSER SUPPORT FRAMING. SEE 10/S432.
10	ROOF PENETRATION. COORDINATE LOCATION WITH ARCHITECTURAL AND MECHANICAL. SEE DETAILS.
11	L3x3x1/4 HORIZONTAL AND DIAGONAL BRACING AT POST. SEE 7/S434.
12	HSS3 1/2x3 1/2x1/4 HANGER
13	OUTLINE OF SOFFIT FRAMING BELOW
14	LT. GA. FRAMING BY SUPPLIER.
15	L2x2x1/4 HORIZONTAL BRIDGING AT 3RD POINTS OF SPAN
16	SEE 10/S434 FOR TYPICAL COLUMN BRACING DETAIL.



NOTE:
-CASTELLATED BEAM DENOTED BY CB (DEPTH)x(WEIGHT)
-α - 58° MIN AND 62° MAX
-e - CB24x36 = 4" & CB24x40 = 4.5"
-b - CB24x36 = 4.5" & CB24x40 = 5"
-S - CB24x36 = 17" & CB24x40 = 19"

1 ROOF FRAMING PLAN
3/16" = 1'-0"

2 CASTELLATED BEAM PROFILE
3/4" = 1'-0"

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GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

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PROTOTYPE SERIES 2023

2023 LH MO

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. 00509 STRUCTURAL ENGINEER JOHN N. KADING
09/15/23

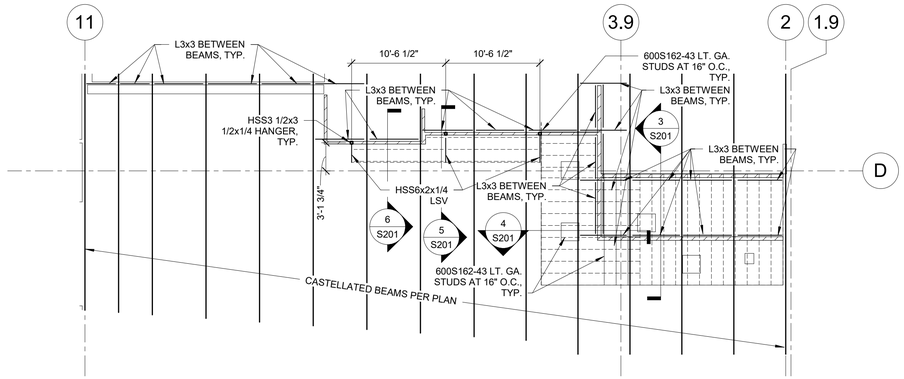
PROJECT NUMBER
2023157.20

SHEET TITLE

ROOF FRAMING PLAN

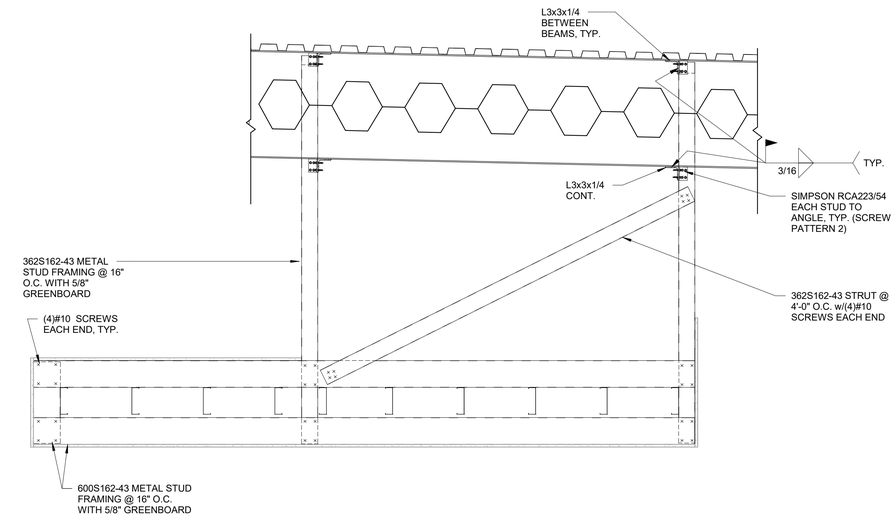
SHEET NUMBER

S200



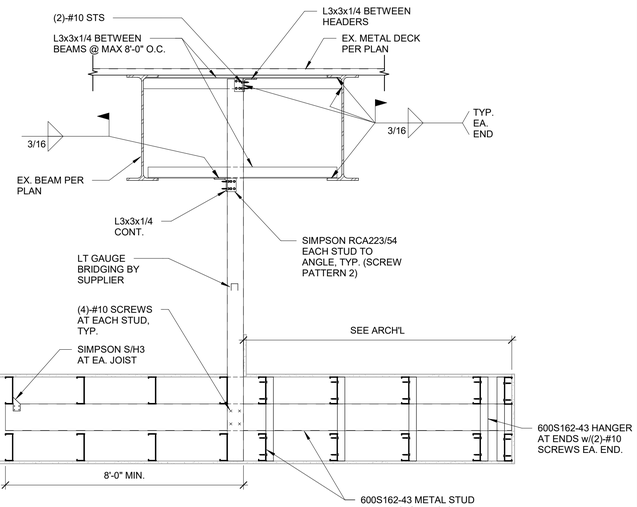
2 SOFFIT FRAMING PLAN

1/8" = 1'-0"



3 SECTION

3/4" = 1'-0"

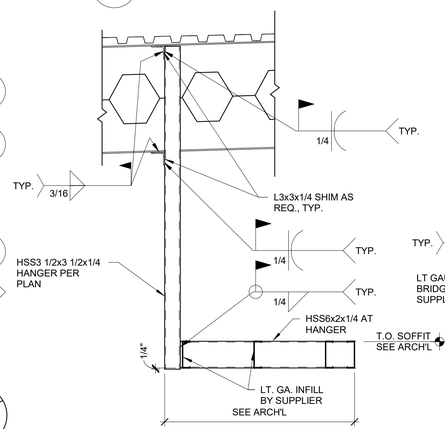


4 SECTION

3/4" = 1'-0"

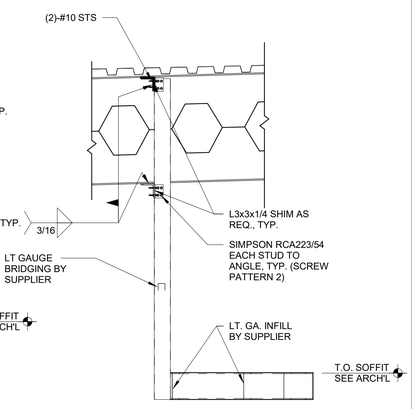
1 HIGH ROOF FRAMING PLAN

1/8" = 1'-0"



5 SECTION

3/4" = 1'-0"



6 SECTION

3/4" = 1'-0"

GENERAL NOTES

1. [X'-X"] INDICATES TOP OF COLUMN ELEVATION ABOVE FINISHED FLOOR.
2. (X'-X") INDICATES TOP OF STEEL BEAM ELEVATION ABOVE FINISHED FLOOR.
3. SEE SHEETS S000-S002 FOR GENERAL NOTES.

SHEET KEYNOTES

1	PROVIDE VERTICAL C4X5.4 FOR PARAPET CHANNEL SUPPORT, SEE DETAIL 14/S432
2	NOTCH PARAPET FOR LADDER, SEE ARCH. FOR LOCATIONS AND DIMENSIONS. SEE DETAIL 12/S432
3	PROVIDE VERTICAL HSS6x2x1/4 FOR PARAPET CHANNEL SUPPORT, SEE DETAIL 12/S432

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. 00609 STRUCTURAL ENGINEER JOHN N. KADIK
09/15/23

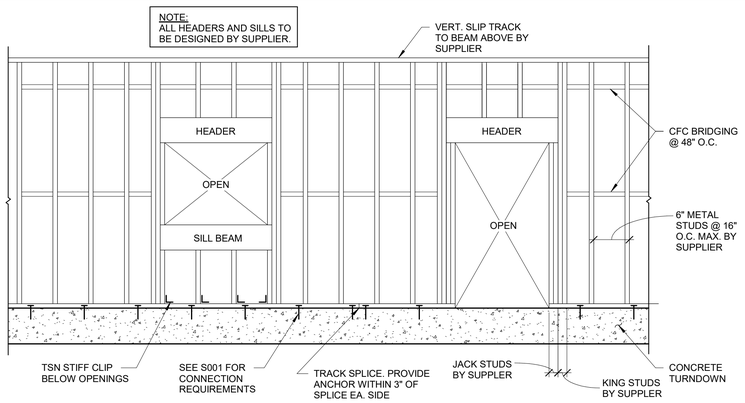
PROJECT NUMBER
2023157.20

SHEET TITLE

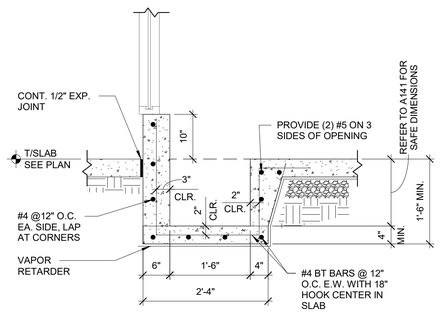
HIGH ROOF & SOFFIT FRAMING PLAN & DETAILS

SHEET NUMBER

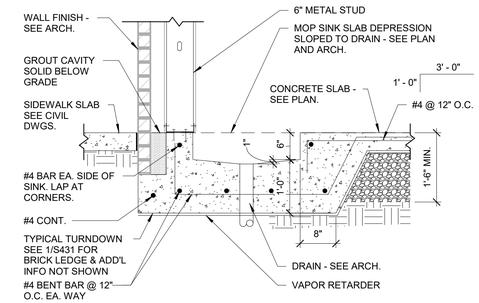
S201



14 TYP. WALL ELEVATION
3/8" = 1'-0"



15 SECTION
3/4" = 1'-0"



13 SLAB OPENING MOP SINK DETAIL
3/4" = 1'-0"

CONCRETE REINFORCING LAP LENGTHS			
BAR SIZE	TENSION LAP SPLICE CLASS "A"	TENSION LAP SPLICE CLASS "B"	COMPRESSION SPLICE
#4	22"	29"	11"
#5	28"	36"	14"
#6	33"	43"	17"

MASONRY LAP SPLICE TABLE	
	ALLOWABLE STRESS (100% STRESS)
BAR SIZE	MIN. LAP LENGTH
#4	36"
#5	45"
#6	54"

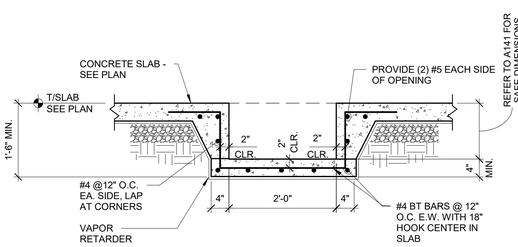
12 REINFORCING LAP SCHEDULES
3/4" = 1'-0"

BRICK LINTEL SCHEDULE		
MASONRY OPENING WIDTH		
MINIMUM	MAXIMUM	BRICK ANGLE
———	4'-0"	6 x 4 x 5/16" ANGLE, LLH
>4'-0"	8'-6"	6 x 6 x 5/16" ANGLE
>8'-6"	11'-4"	6 x 6 x 3/8" ANGLE

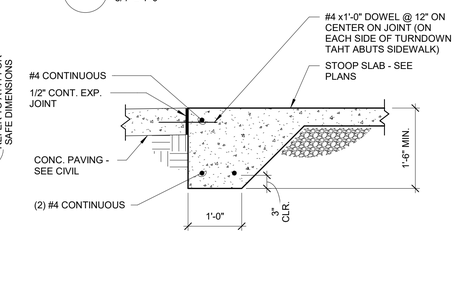
GENERAL NOTES:
1. THIS SCHEDULE DOES NOT ACCOUNT FOR CONCENTRATED LOADS ON LINTELS. SEE ADDITIONAL DETAILS FOR LINTELS SUPPORTING CONCENTRATED LOADS.
2. USE ANGLE SIZES SHOWN UNLESS NOTED OTHERWISE ON PLAN

BRICK ANGLE NOTES:
1. PROVIDE 4" MINIMUM BEARING AT EACH END.

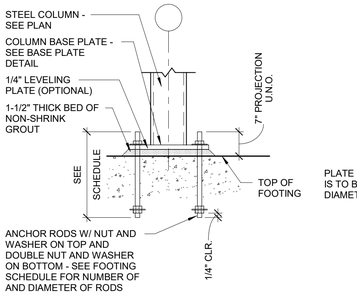
11 BRICK LINTEL SCHEDULE
3/4" = 1'-0"

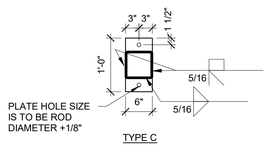


10 SAFE PIT DETAIL
3/4" = 1'-0"

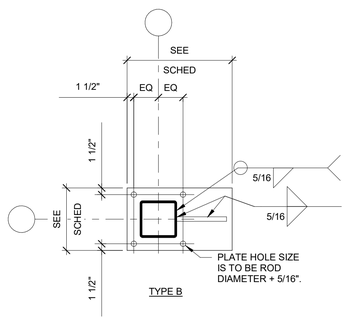


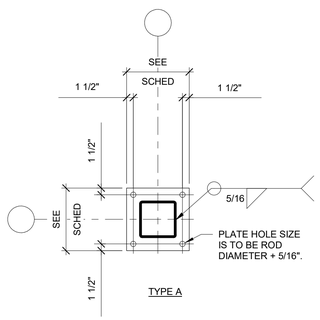
9 TYPICAL EXTERIOR SLAB TURNDOWN
3/4" = 1'-0"





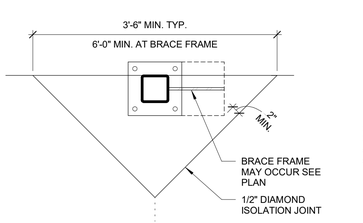
NOTES:
1. COLUMN TO BE CENTERED ON BASE PLATE - TYP. U.N.O.

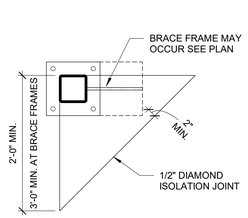




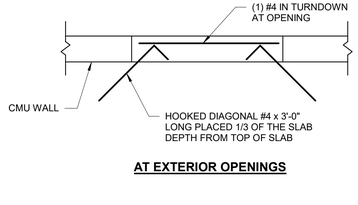
NOTES:
1. COLUMN TO BE CENTERED ON BASE PLATE - TYP. U.N.O.

8 TYPICAL BASE PLATE DETAILS
3/4" = 1'-0"



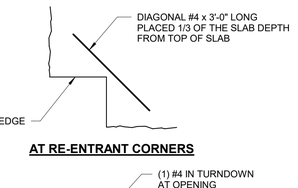


7 TYPICAL COLUMN ISOLATION JOINT
3/4" = 1'-0"

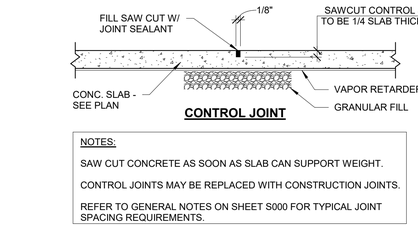


AT EXTERIOR OPENINGS

6 TYPICAL FLOOR SLAB REINFORCING AT CORNERS
3/4" = 1'-0"



AT RE-ENTRANT CORNERS



CONTROL JOINT

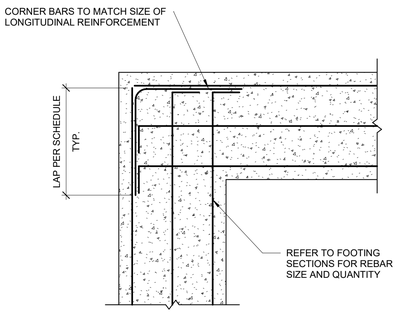
NOTES:

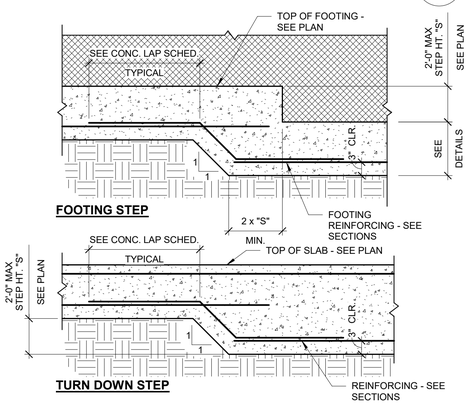
SAW CUT CONCRETE AS SOON AS SLAB CAN SUPPORT WEIGHT.

CONTROL JOINTS MAY BE REPLACED WITH CONSTRUCTION JOINTS.

REFER TO GENERAL NOTES ON SHEET S000 FOR TYPICAL JOINT SPACING REQUIREMENTS.

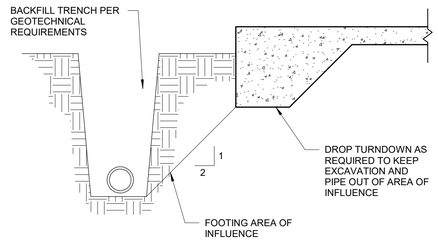
5 TYPICAL FLOOR SLAB JOINT DETAILS
3/4" = 1'-0"



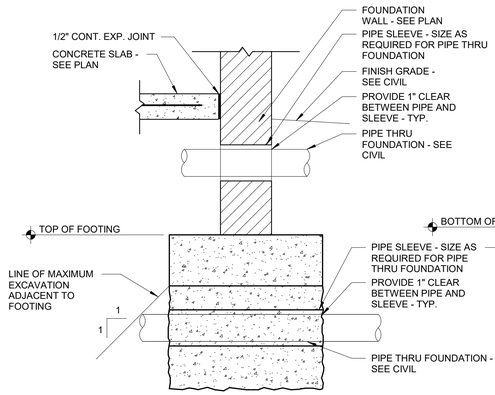


4 TYPICAL FOOTING CORNER DETAIL
3/4" = 1'-0"

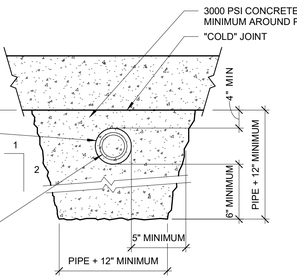
3 TYPICAL FOOTING AND TURN DOWN STEP DETAIL
3/4" = 1'-0"



2 TYPICAL TRENCH ADJACENT TO FOOTING
3/4" = 1'-0"



NOTE:
CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND PIPING, CONDUIT, ETC. w/APPROPRIATE SUBCONTRACTOR AND CIVIL DRAWINGS. ADJUST FOOTING ELEVATIONS AS REQUIRED.



1 TYPICAL PIPE AT FOUNDATION / WALL DETAIL
3/4" = 1'-0"

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

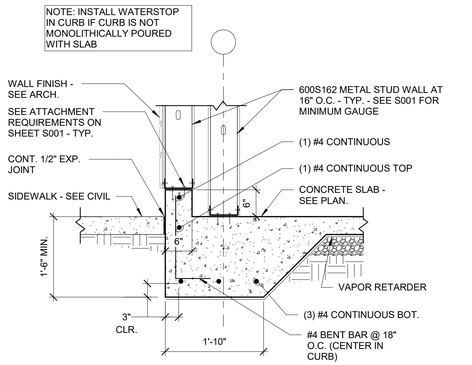
PROFESSIONAL SEAL

GEORGIA REGISTERED No. 00609 STRUCTURAL
JOHN N. KADAK
09/15/23

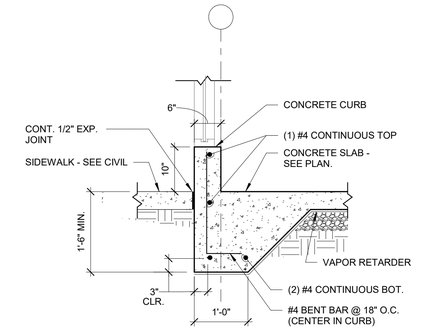
PROJECT NUMBER
2023157.20

SHEET TITLE
TYPICAL DETAILS

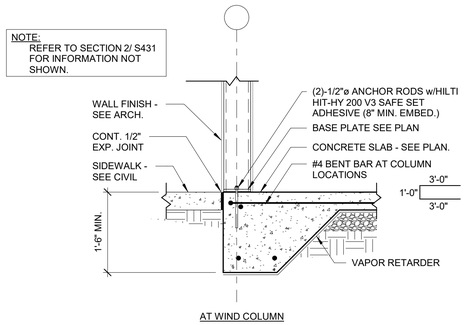
SHEET NUMBER
S430



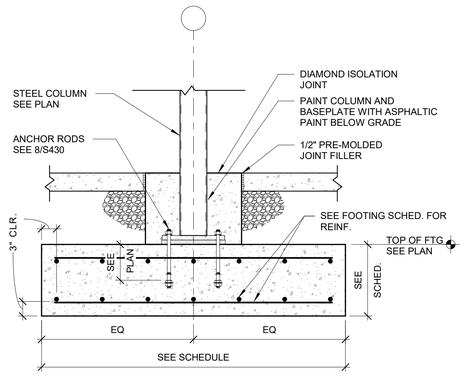
10 SLAB TURNDOWN SECTION AT CURB
3/4" = 1'-0"



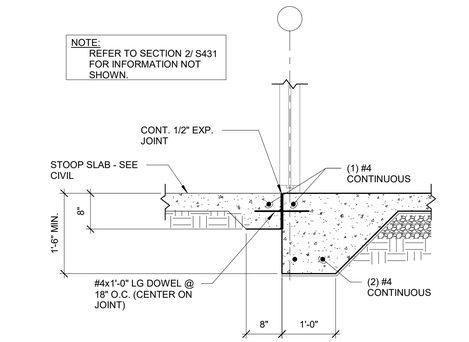
9 SLAB TURNDOWN SECTION
3/4" = 1'-0"



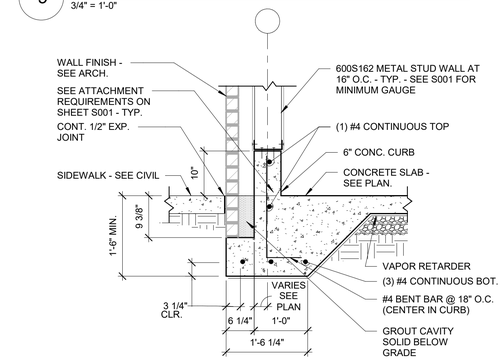
8 SLAB TURNDOWN SECTION
3/4" = 1'-0"



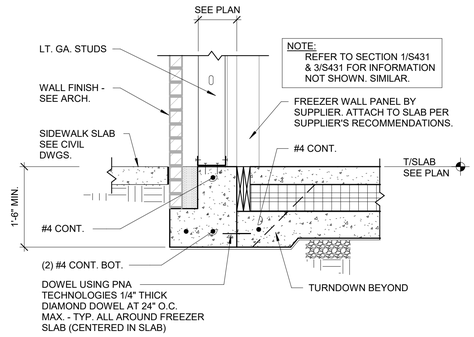
7 PATIO COLUMN DETAIL
3/4" = 1'-0"



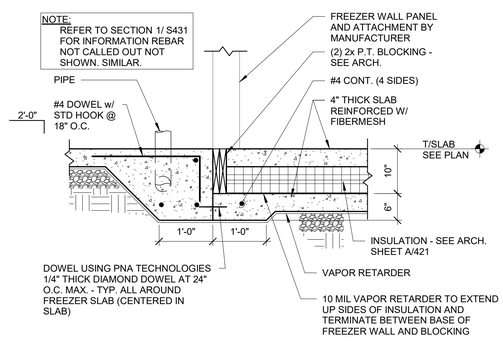
6 SLAB TURNDOWN SECTION AT DOORS
3/4" = 1'-0"



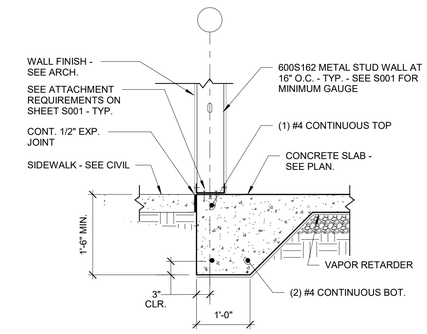
5 SLAB TURNDOWN SECTION
3/4" = 1'-0"



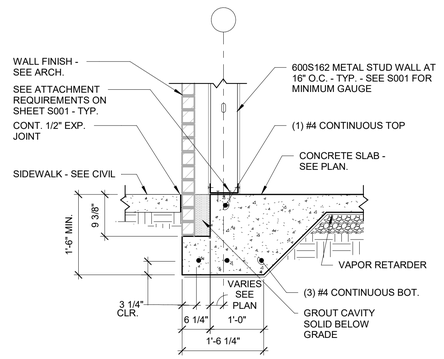
4 FREEZER SLAB AT WALL
3/4" = 1'-0"



3 FREEZER SLAB SECTION
3/4" = 1'-0"



2 SLAB TURNDOWN SECTION
3/4" = 1'-0"



1 SLAB TURNDOWN SECTION
3/4" = 1'-0"

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200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. 00509 STRUCTURAL ENGINEER JOHN N. KADIK
09/15/23

PROJECT NUMBER
2023157.20

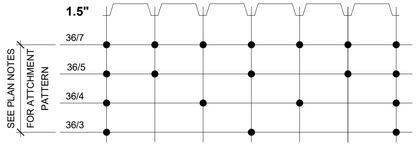
SHEET TITLE

FOUNDATION SECTIONS AND DETAILS

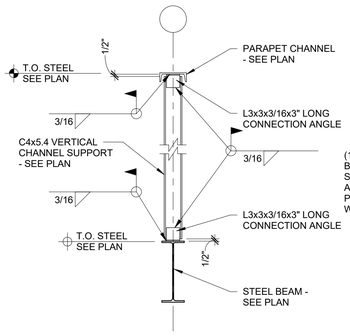
SHEET NUMBER

S431

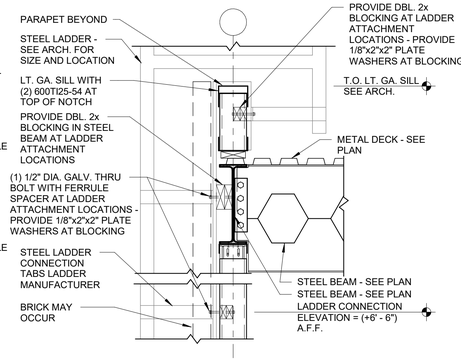
METAL ROOF DECK SHALL BE SUPPLIED IN 36" WIDTHS. ROOF DECK SHALL BE ATTACHED TO EACH SUPPORT BY FASTENING IN ACCORDANCE WITH FASTENER PATTERN NOTED ON DRAWINGS. SEE SCHEDULE BELOW FOR APPLICABLE FASTENING PATTERN. FASTEN ROOF DECK TO MAIN SUPPORTS WITH 5/8" DIA. PUDDLE WELDS. METAL ROOF DECK SIDELAPS SHALL BE ATTACHED WITH INDICATED NUMBER OF SIDELAP FASTENERS BETWEEN SUPPORTS AS NOTED ON DRAWINGS. SIDELAP FASTENER SHALL BE #10 DRILL-POINT SELF-TAPPING SCREWS. MINIMUM SIDELAP ATTACHMENT SHALL BE ONE FASTENERS AT MIDPOINT OF DECK SPAN BETWEEN SUPPORTS. ATTACHMENT AT PERIMETER OF DECK SHALL BE EQUAL TO ATTACHMENT AT DECK SHEET LAPS AND DECK SHEET ENDS. ANY PARTIAL OR SKEWED SHEETS SHALL BE ATTACHED AT EVERY FLUTE REGARDLESS OF DECK WELD PATTERN.



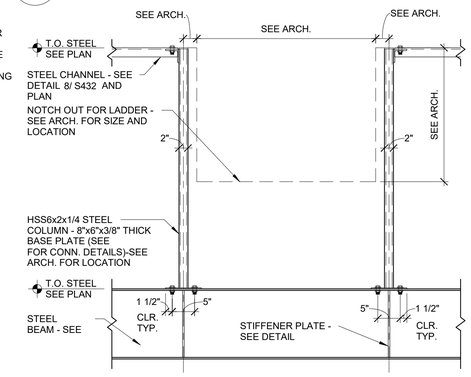
15 TYPICAL ROOF DECK ATTACHMENT DETAIL
3/4" = 1'-0"



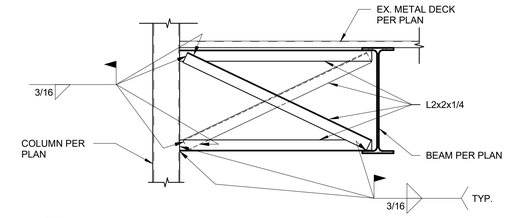
14 PARAPET SUPPORT DETAIL
3/4" = 1'-0"



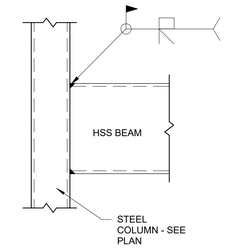
13 LADDER ATTACHMENT DETAIL
3/4" = 1'-0"



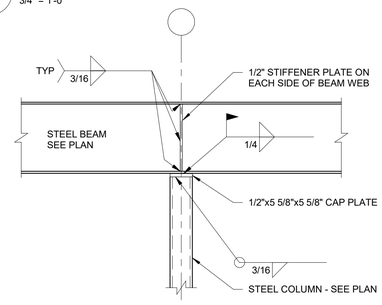
12 LADDER NOTCH DETAIL
3/4" = 1'-0"



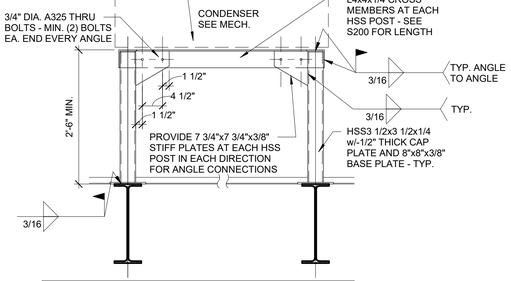
17 TYP. BRACING AT COLUMN
3/4" = 1'-0"



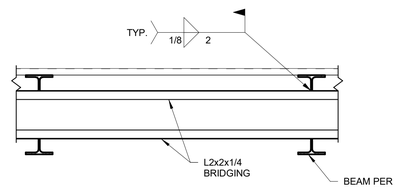
16 TYP. HSS MOMENT CONN.
3/4" = 1'-0"



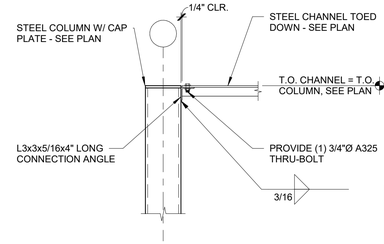
11 BEAM TO COLUMN CONNECTION DETAIL
3/4" = 1'-0"



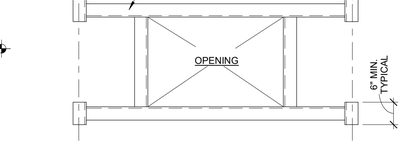
10 CONDENSER SUPPORT DETAIL
3/4" = 1'-0"



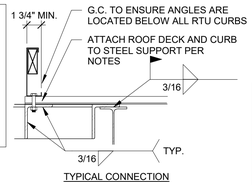
9 TYP. CASTELLATED BEAM BRIDGING
3/4" = 1'-0"



8 CHANNEL TO COLUMN DETAIL
3/4" = 1'-0"

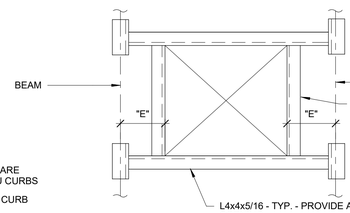


NOTE:
1. GENERAL CONTRACTOR SHALL COORDINATE SIZE OF ALL ROOF OPENINGS w/EQUIPMENT SELECTED.
2. ATTACH ROOF CURB TO SUPPORT STEEL w/ 1/2"Ø BOLTS AT 12" O.C. PROVIDE OVERSIZED, HARDENED WASHER ON TOP AND LOCKWASHER ON BOTTOM OF CONNECTION.
3. ATTACH ROOF DECK TO SUPPORT STEEL w/ #12 TEK SCREWS AT 6" O.C.
4. PROVIDE MINIMUM 18 GAUGE MIN. ROOF CURB FOR THIS CONNECTION TYPE.



TYPICAL CONNECTION

7 RTU SUPPORT FRAMING DETAIL
3/4" = 1'-0"

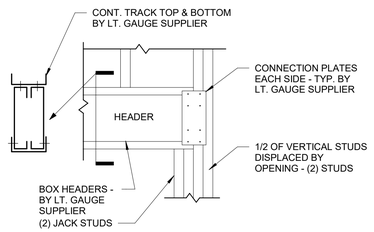


NOTE:
TYPICAL ROOF OPENING DETAIL SHOWN APPLIES TO ALL ROOF OPENINGS WHERE LEAST DIMENSION IS GREATER THAN 12". REINFORCE ROOF OPENINGS 12" AND LESS BY FASTENING A 16 GA. SHEET METAL 1'-0" WIDER THAN OPENING TO METAL ROOF DECK. ATTACH PLATE USING #10 TEK SCREWS AT 6" O.C. SEE SHEET S000. NOTE #8 UNDER GENERAL NOTES FOR MORE INFORMATION.

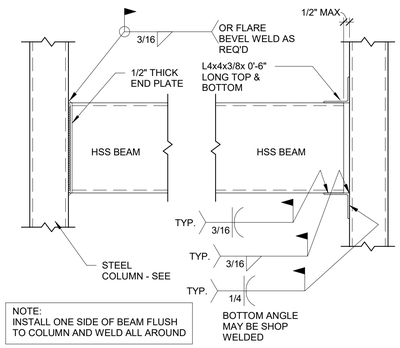
CUT OPENINGS AFTER PLACEMENT OF ROOF DECK.

EQUIPMENT TRADE SUBCONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ROOF CURBS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DECK CUT OUT, STRUCTURAL SUPPORT AND CURB FLASHING.

6 TYP. ROOF OPENING FRAMING DETAIL
3/4" = 1'-0"

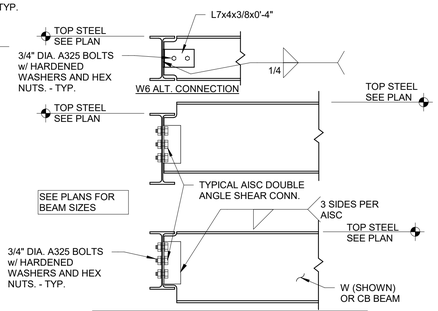


5 LIGHT GAGE BOX HEADER
3/4" = 1'-0"



NOTE:
INSTALL ONE SIDE OF BEAM FLUSH TO COLUMN AND WELD ALL AROUND

4 HSS BEAM TO COLUMN DETAILS
3/4" = 1'-0"

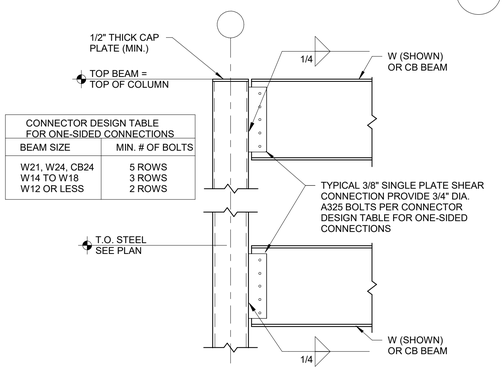


CONNECTOR DESIGN TABLE	
BEAM SIZE	MIN. # OF BOLTS
W21, W24, CB24 W14 TO W18 W12 OR LESS	4 ROWS DOUBLE SHEAR 3 ROWS DOUBLE SHEAR 2 ROWS DOUBLE SHEAR

NOTE: THIS IS TO BE USED FOR MINIMUM QUANTITIES ONLY. MORE BOLTS MAY BE REQUIRED BY DESIGN CONDITIONS.

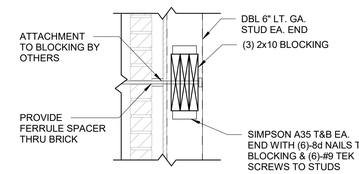
NOTE: CB24 TO W18 FRAMING TO USE 3 ROWS DOUBLE SHEAR IN DOUBLE ANGLE CONNECTION.

3 BEAM TO BEAM FRAMING DETAILS
3/4" = 1'-0"



CONNECTOR DESIGN TABLE FOR ONE-SIDED CONNECTIONS	
BEAM SIZE	MIN. # OF BOLTS
W21, W24, CB24 W14 TO W18 W12 OR LESS	5 ROWS 3 ROWS 2 ROWS

2 TYP. BEAM TO COLUMN CONN. DETAILS
3/4" = 1'-0"



1 TYPICAL BLOCKING DETAIL
1" = 1'-0"

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(770) 431-7600

PROJECT NAME
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GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
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PROTOTYPE SERIES 2023
2023 LH MO

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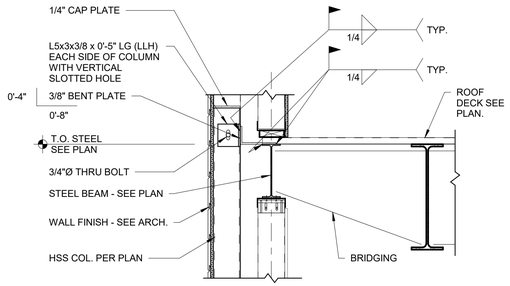
PROFESSIONAL SEAL

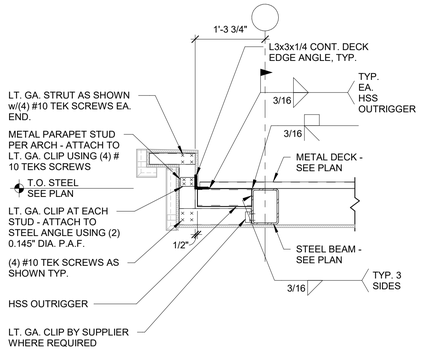
PROJECT NUMBER
2023157.20

SHEET TITLE
TYPICAL STEEL DETAILS

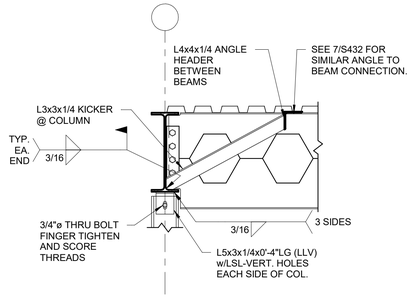
SHEET NUMBER
S432



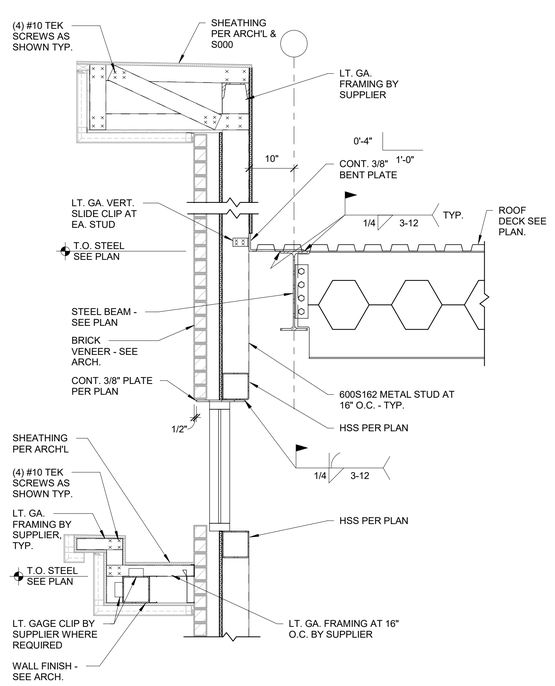
13 SECTION
3/4" = 1'-0"



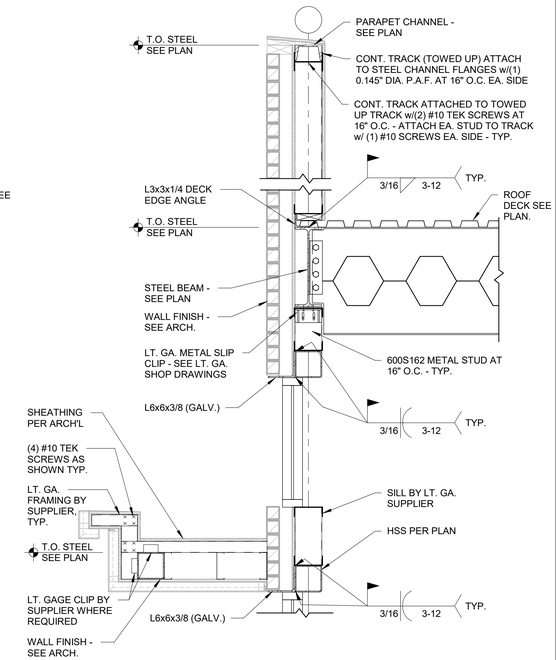
12 SECTION AT PATIO
3/4" = 1'-0"



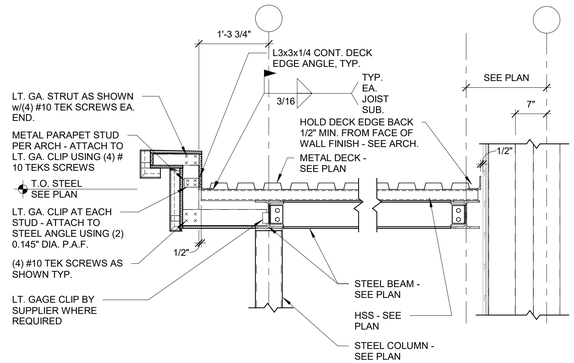
11 WIND COL. SLIP CONN.
3/4" = 1'-0"



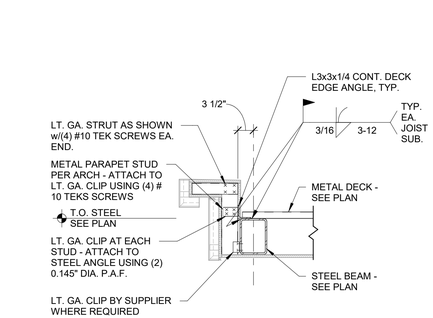
10 SECTION
3/4" = 1'-0"



9 SECTION
3/4" = 1'-0"



8 SECTION AT PATIO
3/4" = 1'-0"



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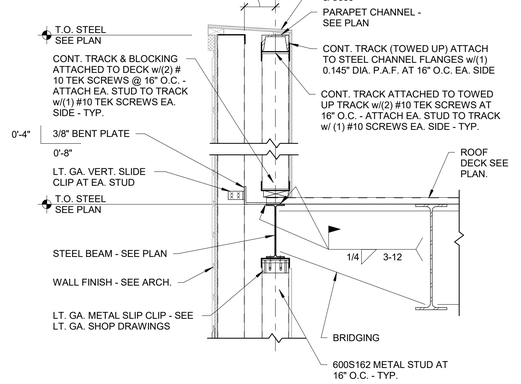

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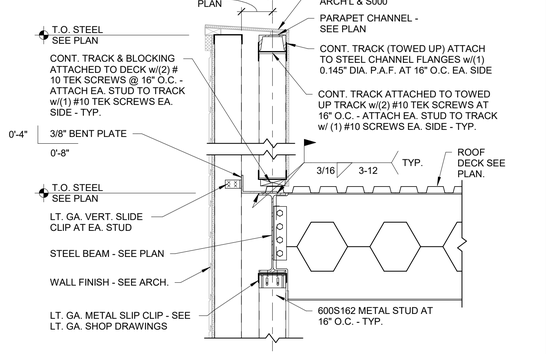
3/4" = 1'-0"



5 SECTION
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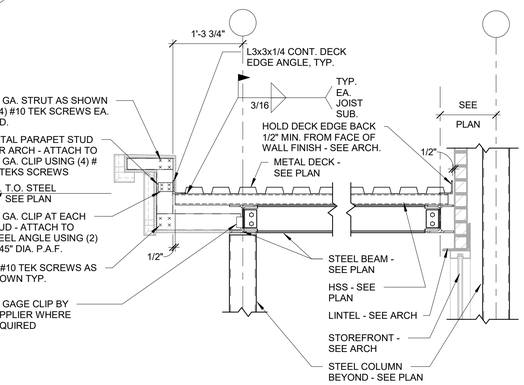
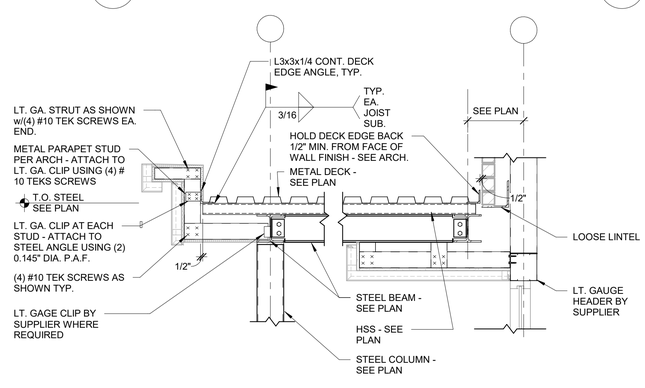
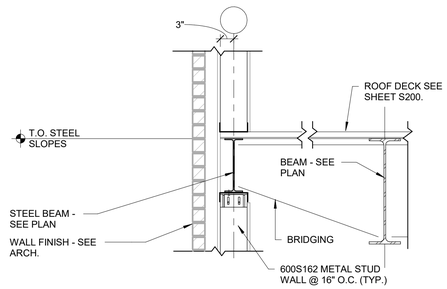


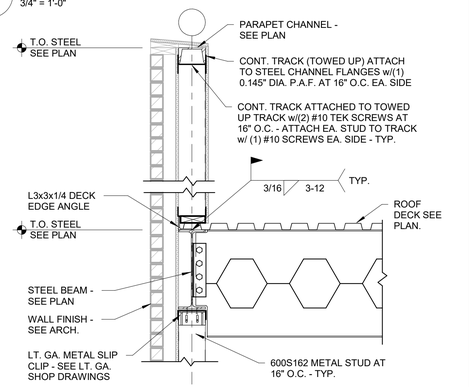
4 SECTION AT PATIO
3/4" = 1'-0"



3 SECTION AT PATIO AT SIDE ENTRY
3/4" = 1'-0"



2 SECTION
3/4" = 1'-0"



1 SECTION
3/4" = 1'-0"

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

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RaceTrac.
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200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

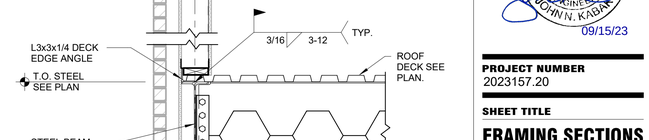
RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 DATE 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

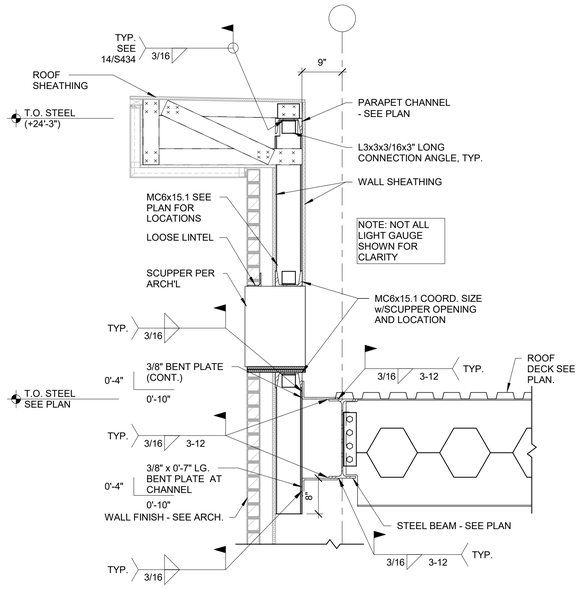
PROFESSIONAL SEAL

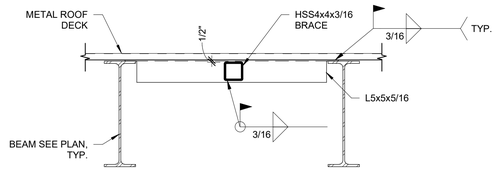


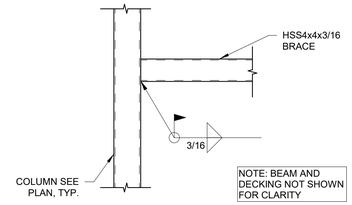
PROJECT NUMBER
2023157.20

SHEET TITLE
FRAMING SECTIONS AND DETAILS

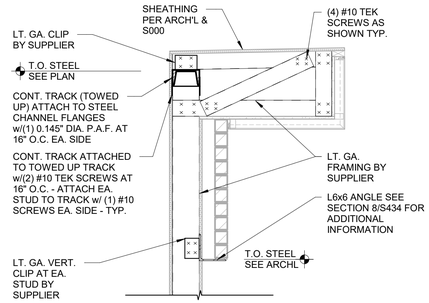
SHEET NUMBER
S433



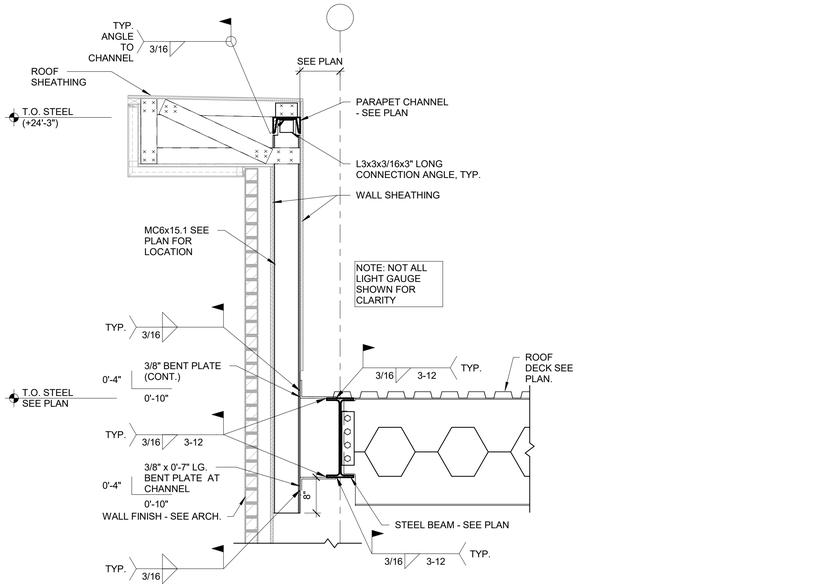




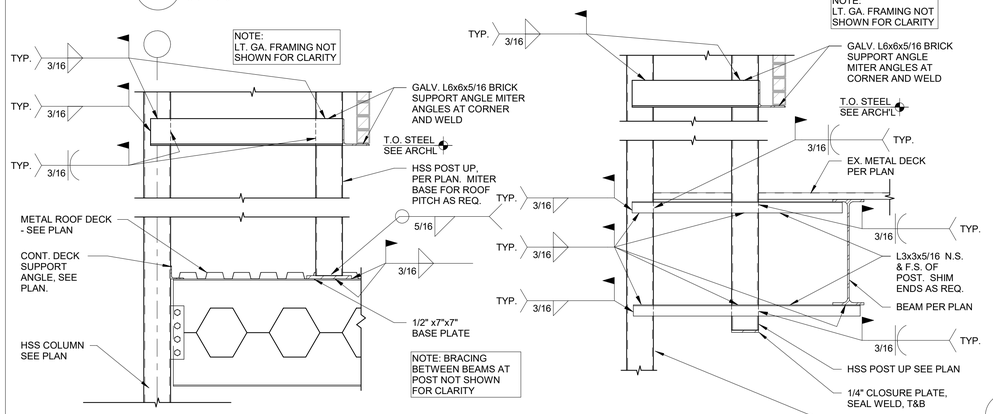
10 TYP. COLUMN BRACE DETAIL
3/4" = 1'-0"



9 SECTION
3/4" = 1'-0"



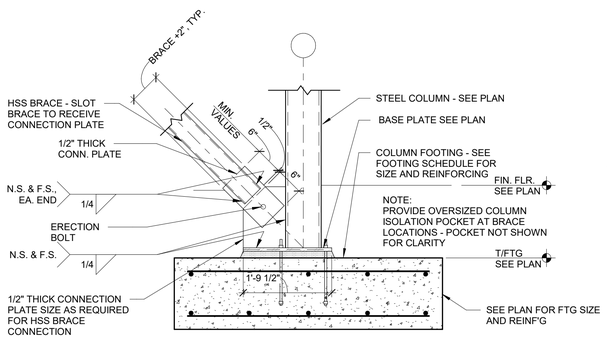
11 SECTION
3/4" = 1'-0"

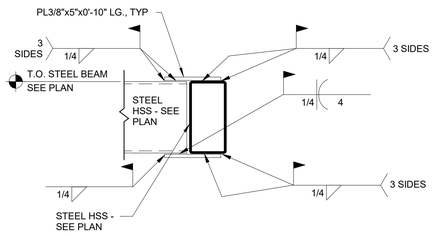


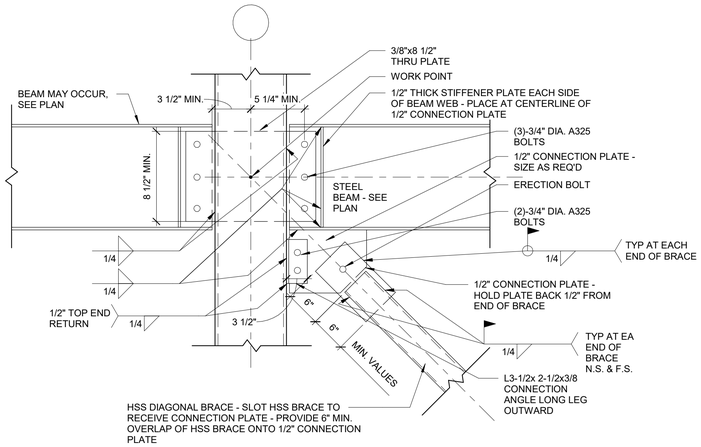
6 SECTION
3/4" = 1'-0"

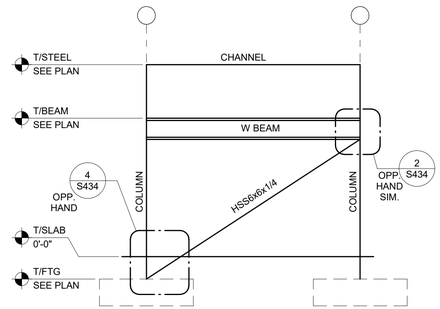
8 SECTION
3/4" = 1'-0"

7 SECTION
3/4" = 1'-0"









4 BRACE BASE CONNECTION
3/4" = 1'-0"

3 HSS TO HSS BEAM CONNECTION
3/4" = 1'-0"

2 DIAGONAL HSS BRACE CONNECTION DETAIL
1" = 1'-0"

1 BRACED FRAME ELEVATION
N.T.S.

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

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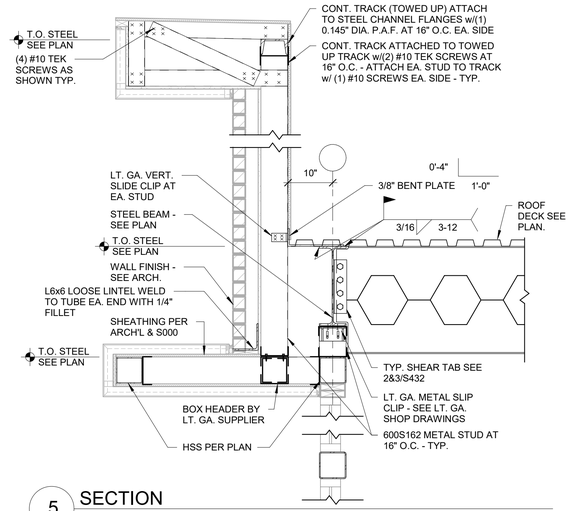
PROFESSIONAL SEAL

GEORGIA REGISTERED No. 00609 STRUCTURAL
JOHN N. KAJAK
09/15/23

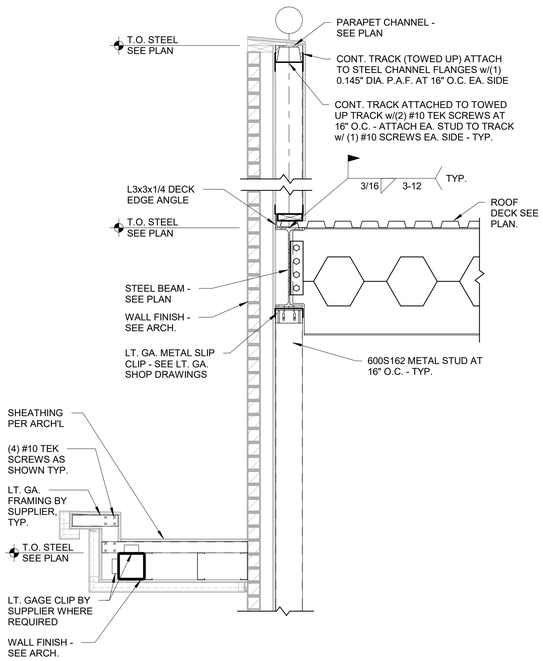
PROJECT NUMBER
2023157.20

SHEET TITLE
FRAMING SECTIONS AND DETAILS

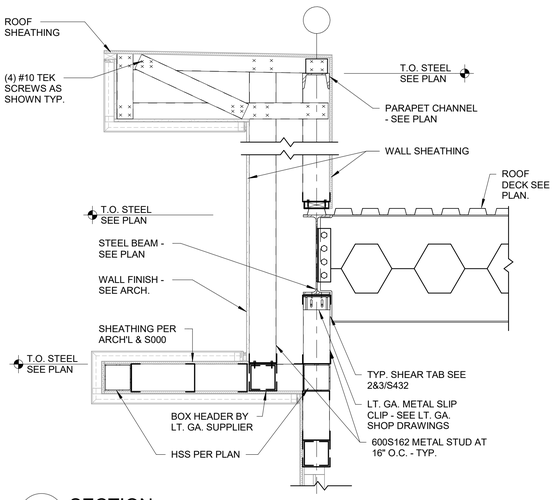
SHEET NUMBER
S434



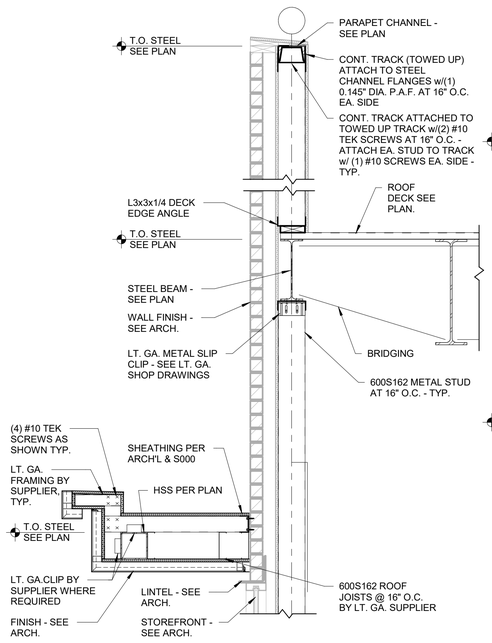
5 SECTION
3/4" = 1'-0"



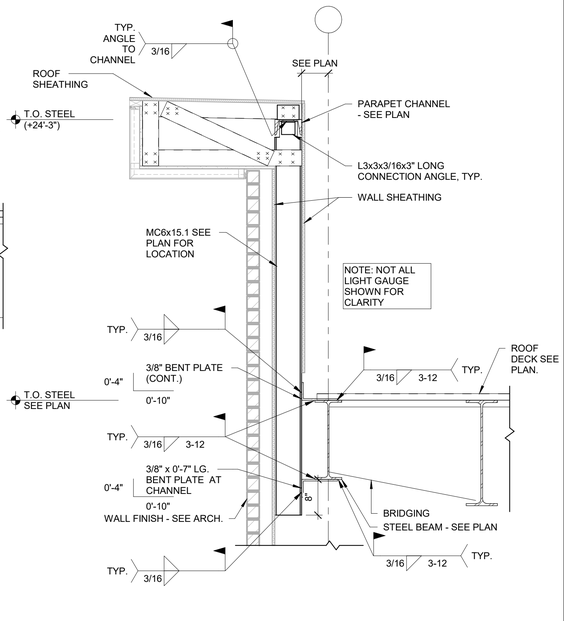
4 SECTION
3/4" = 1'-0"



3 SECTION
3/4" = 1'-0"



2 SECTION
3/4" = 1'-0"



1 SECTION
3/4" = 1'-0"

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ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. 00509 STRUCTURAL ENGINEER
DEVONN N. KADANE
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

FRAMING SECTIONS AND DETAILS

SHEET NUMBER

S435

MECHANICAL NOTES

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE AND FUNCTIONAL HVAC SYSTEM IN ACCORDANCE WITH THESE DRAWINGS. THE INSTALLATION SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE, THE 2018 INTERNATIONAL MECHANICAL CODE AND ALL OTHER APPLICABLE STATE, COUNTY AND LOCAL ORDINANCES AND THE LATEST EDITION OF THE FOLLOWING PUBLICATIONS; SMACNA HVAC DUCT CONSTRUCTION STANDARDS; ASHRAE 15, 34, 82; NFPA 70, 72, 90A, 90B, 91, 98; 101 ANSI Z10.1, Z10.3, Z21.8, Z21.83.
2. THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.
3. THE CONTRACTOR SHALL VISIT THE SITE AND COORDINATE WORK WITH OTHER TRADES.
4. THE CONTRACTOR SHALL SUPPLY THE ARCHITECT/OWNER WITH "AS-BUILT" DRAWINGS.
5. CONTRACTOR SHALL SUBMIT, FOR APPROVAL FIVE (5) COPIES OF MANUFACTURER'S SHOP DRAWINGS FOR EACH PIECE OF EQUIPMENT AND CONTROLS INCLUDED IN CONTRACT.
6. ALL MATERIAL SHALL BE NEW, OF GOOD QUALITY AND APPROVED FOR INTENDED PURPOSE. ALL WORK SHALL BE PERFORMED AT INDUSTRY STANDARD QUALITY LEVEL BY CERTIFIED PROFESSIONALS. ALL EQUIPMENT SHALL BE UL OR ETL LISTED.
7. ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL WITH SEALED SEAMS AND JOINTS. CONCEALED DUCTS ABOVE CEILING SHALL HAVE EXTERNAL BLANKET INSULATION (R-8 MINIMUM). EXPOSED DUCTS ABOVE SALES FLOOR AND FOOD AREA SHALL BE DOUBLE WALL INSULATED HARD SPIRAL DUCT (R-8 MINIMUM). THE CONTRACTOR SHALL PROVIDE ALL SHEET METAL DUCTWORK, HANGERS, AUXILIARY SUPPORT STEEL, ETC. ALL FLEXIBLE DUCT SHALL BE RATED CLASS I. UL-181 LISTED WITH METALIZED INNER AND OUTER FOIL LINERS. MINIMUM R-8 INSULATION WITH A MAXIMUM TOTAL LENGTH NOT TO EXCEED 5'-0". UL LISTED FOR PLENUM INSTALLATIONS, PROVIDE FLEXIBLE DUCTWORK ELBOW SUPPORTS AT EACH DIFFUSER, GRILLE, AND REGISTER EQUAL TO "FLEXFLOW ELBOW" MANUFACTURED BY "THERMAFLEX". ALL METAL DUCTS SHALL BE FABRICATED IN ACCORDANCE WITH LATEST EDITION OF SMACNA.
8. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ROOFTOP UNITS AND ALL EQUIPMENT WITH ARCHITECTURAL AND STRUCTURAL PLANS. SECURE ROOF CURBS TO BUILDING STRUCTURE FOR PROPER SUPPORT OF UNITS. ROOF CURBS SHALL BE COMPATIBLE WITH ROOFING SYSTEM AND FLASHED ACCORDING TO NRCA RECOMMENDATIONS.
9. OUTSIDE AIR INTAKES SHALL NOT BE TAKEN FROM A LOCATION CLOSER THAN 10 FEET FROM ANY CHIMNEY, EXHAUST VENT OUTLET OR SANITARY SEWER VENT, UNLESS SUCH VENT IS NOT LESS THAN 3 FEET ABOVE THE OUTSIDE AIR INTAKE.
10. DUCT SIZES SHOWN ARE AIRWAY INSIDE DIMENSIONS. INCREASE SIZE OF DUCTWORK FOR INTERNAL LINING IF USED.
11. ALL AIR DEVICES (DIFFUSERS, REGISTERS AND GRILLES) SHALL BE ALUMINUM CONSTRUCTION (UNLESS EXPLICITLY NOTED OTHERWISE ON AIR DISTRIBUTION SCHEDULE) WITH EXPOSED SURFACE OFF-WHITE BAKED ENAMEL FINISH OR AS SPECIFIED BY ARCHITECT. DEVICES SHALL BE SPECIFIED TO BE SUPPLIED BY TITUS, METALAIRE OR PRICE. PROVIDE OPPOSED BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS AS INDICATED ON PLANS. PROVIDE BALANCING DAMPERS FOR ALL AIR DEVICES.
12. THERMOSTAT TO RECEIVE REMOTE TEMPERATURE/HUMIDITY SENSOR INPUT.
13. THERMOSTAT/HUMIDISTAT LOCATION SHALL BE APPROVED BY OWNER AND ENGINEER BEFORE INSTALLATION. INSTALL THERMOSTAT/HUMIDISTAT 48" A.F.F. IN ACCORDANCE WITH A.D.A. REQUIREMENTS. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL REQUIREMENTS FOR JUNCTION BOXES, CONDUITS, CONTROL WIRING, POWER, ETC, AND DEFINE RESPONSIBILITIES AND SCOPE OF WORK FOR EACH TRADE PRIOR TO ANY INSTALLATION, WHEN POSSIBLE, WHENEVER THERE ARE MORE THAN ONE SENSOR OR THERMOSTAT SIDE BY SIDE THEY SHALL BE GANGED TOGETHER WITHIN THE SAME COVER PLATE.
14. REFRIGERANT LINES SHALL BE COPPER, TYPE "ACR" HARD DRAWN WITH WROUGHT COPPER BRAZING-JOINT TYPE FITTINGS. USE BRAZING MATERIALS FOR HIGH PRESSURE PIPING PER AWS A5.8 BCuP SERIES COPPER-PHOSPHORUS ALLOY OR BAg1 SILVER ALLOY. REFRIGERANT LINES SHALL BE SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. ALL EXPOSED INSULATION SHALL BE PROTECTED WITH UV RESISTANT PAINT OR ALUMINUM SHIELD.
15. 1/2" THICK PIPE INSULATION FOR REFRIGERANT SUCTION PIPING SMALLER THAN 1" SIZE, 1" THICK PIPE INSULATION FOR PIPING 1" AND LARGER. PIPE INSULATION SHALL BE ARMACELL, "ARMAFLEX" CLOSED CELL ELECTROMETRIC INSULATION, 0.27 THERMAL CONDUCTIVITY AT 75°F, PER THE INTERNATIONAL ENERGY CODE, TABLE C403.11.3 FOR MINIMUM PIPING INSULATION THICKNESS. PROVIDE FILTER/DRYER AND SIGHT GLASS IN ALL LIQUID LINES.
16. ALL BRANCH TAKE-OFFS TO BE PROVIDED WITH MANUAL VOLUME DAMPERS. PROVIDE LONG RADIUS ELBOWS (1.5XDIAMETER) WHERE FEASIBLE, SQUARE ELBOWS AND TEE'S SHALL BE FURNISHED WITH SINGLE WALL TURNING VANES. PROVIDE MANUAL VOLUME DAMPERS WITH EXTRACTOR AT ALL FLEX TAKE-OFFS. PROVIDE REMOTE, CABLE OPERATED VOLUME DAMPERS IN INACCESSIBLE AND HARD CEILING AREAS, "YOUNG REGULATOR". MODEL 270.
17. PROVIDE NEW FILTERS FOR ALL AIR CONDITIONING EQUIPMENT BEFORE AIR BALANCING. REPLACE AIR FILTERS PRIOR TO FINAL ACCEPTANCE BY OWNER. ALL FILTERS SHALL BE CHANGED TO 2" PLEATED FILTERS PRIOR TO STARTUP.
18. PROVIDE SMOKE DETECTORS FOR HVAC UNITS GREATER THAN 2000 CFM AIRFLOW. SMOKE DETECTORS SHALL BE FURNISHED WITH REMOTE ANNUNCIATION/TEST STATION AS REQUIRED BY AUTHORITY HAVING JURISDICTION, COORDINATION PRIOR TO INSTALLATION. DETECTORS SHALL BE BY ONE MANUFACTURER, COORDINATE VOLTAGE ETC. WITH ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM IF REQUIRED BEFORE ORDERING. UPON DETECTION, SMOKE DETECTORS SHALL SHUTDOWN ASSOCIATED AIR MOVING EQUIPMENT AND SOUND ALARM.
19. HVAC CONTRACTOR SHALL PROVIDE A TESTING AND AIR BALANCING REPORT PER I.M.C. 2018, FOR ALL MECHANICAL EQUIPMENT, AIR DEVICES, DAMPERS, AHU'S AND FANS. THE TESTING AND AIR BALANCING AGENT SHALL BE AABC ACCREDITED. THE TESTING AND AIR BALANCING REPORT SHALL BE IN ACCORDANCE WITH THE ASSOCIATED AIR BALANCE COUNCIL (AABC) STANDARDS AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY, RETURN AND EXHAUST GRILLES AND THE ENTERING, LEAVING AIR DB/WB TEMPERATURES (F) FROM AIR HANDLING UNITS AND EVAPORATORS.
20. ALL DUCTWORK AND PIPING INSULATION WILL HAVE A FIRE/SMOKE RATING EQUAL TO OR LESS THAN 25/50.
21. MECHANICAL PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND STRUCTURAL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. DUCT AND PIPING OFFSETS, BENDS AND TRANSITIONS SHALL BE REQUIRED TO BE PROVIDED AND INSTALLED FOR A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. CHANGES IN DUCTWORK SIZE AND ROUTE WILL BE REQUIRED TO AVOID STRUCTURAL, PLUMBING, FIRE SPRINKLER AND ARCHITECTURAL BUILDING FEATURES. DUCTWORK CHANGES MAY BE MADE BY CONTRACTOR USING EQUIVALENT SIZED DUCT. CONTACT ENGINEER IF DUCT AREA WILL NOT FIT.
22. CONTRACTOR'S WARRANTY: CONTRACTOR SHALL PROVIDE A WARRANTY FOR A PERIOD OF (1) ONE YEAR, AFTER BUILDING OCCUPANCY. FOR ALL MECHANICAL SYSTEMS, DUCTWORK, CONTROLS, ACCESSORIES AND ALL OTHER EQUIPMENT. PARTS AND LABOR UNDER THESE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE WARRANTY FOR COMPRESSORS FOR (5) FIVE YEARS. ANY REPAIRS REQUIRING SYSTEM SHUTDOWN SHALL BE DONE DURING NON-OPERATIONAL PERIODS OR AS AGREED WITH OWNER.

OUTSIDE AIR CALCULATIONS

AREA SERVED OR UNIT TAG	NET OCCUPIABLE AREA SQ. FT.	MAX. OCCUPANCY P/1000 SQ. FT.	TOTAL NO. OF PEOPLE	VENTILATION RATE		VENTILATION EFFECTIVENESS	TOTAL CFM O/A REQUIRED	TOTAL CFM O/A PROVIDED	NOTES
				CFM/P	SQ. FT.				
OCCUPIABLE STORAGE	1,346	2	5	5	0.12	80%	215		1
SALES	2,862	15	43	7.5	0.12	80%	833		1
RTU-1								800	
RTU-2								800	
RTU-3								350	
RTU-4								370	
TOTALS							**1,048**	**2,320**	

NOTES:

1. CALCULATIONS ARE BASED ON ESTIMATED MAXIMUM OCCUPANCY RATES PER ARCHITECTURAL PLANS AND ASHRAE 62.1-2010 VENTILATION RATES.

AIR BALANCE SCHEDULE

AREA SERVED	EQUIPMENT TAG	SUPPLY AIR (CFM)	RETURN AIR (CFM)	OUTSIDE AIR (CFM)	EXHAUST AIR (CFM)
SALES	RTU-1	4,000	3,200	800	X
SALES	RTU-2	4,800	4,000	800	X
STORAGE	RTU-3	3,000	2,650	350	X
FOOD PREP	RTU-4	4,000	3,630	370	X
HOOD MAU	KSF-1	1,040	X	1,128	X
HOOD EXHAUST	KEF-1	X	X	X	1,410
WOMEN'S RESTROOM	EF-1	X	X	X	210
MEN'S RESTROOM	EF-2	X	X	X	350
FOOD PREP	EF-3	X	X	X	600
FROZEN CARBONATED BEVERAGE	EF-4	X	X	X	600
TOTALS		**16,840**	**13,480**	**3,448**	**3,170**

NOTES:

1. BUILDING IS (3,448 CFM OA - 3,170 CFM EA) 278 CFM POSITIVE WHEN ALL EXHAUST FANS ARE OPERATING.

MECHANICAL LEGEND

- S/A CEILING DIFFUSER
- R/A CEILING GRILLE
- E/A CEILING GRILLE
- DUCTWORK UP THRU ROOF
- SLOT / LINEAR DIFFUSER
- WALL LOUVER / WALL DIFFUSER
- VOLUME CONTROL DAMPER
- REDUCER OR INCREASER
- FLEX DUCT
- DUCTWORK
- ROUND UP
- DD — MANUAL VOLUME DAMPER WITH EXTRACTOR
- S — DUCT SMOKE DETECTOR
- CEILING EXHAUST FAN
- ROOF EXHAUST FAN
- A / CFM — SUPPLY AIR DIFFUSER OR GRILLE DESIGNATION
- A / CFM — RETURN/EXHAUST AIR GRILLE DESIGNATION
- EQP X — EQUIPMENT TAG
- RT — REMOTE TEMPERATURE SENSOR
- RH — REMOTE HUMIDITY SENSOR
- T — THERMOSTAT
- SUPPLY AIR
- RETURN AIR
- U/C — DOOR UNDER CUT
- PIPE UP
- PIPE DOWN

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DESIGN PROFESSIONALS

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON M. MARTINEZ
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE
MECHANICAL NOTES AND LEGENDS

SHEET NUMBER
M001

ELECTRIC ROOFTOP A/C EQUIPMENT SCHEDULE

A/C UNIT TAG	MANUFACTURER	MODEL**	CFM	E.S.P. (in. W.C.)	BHP	COOLING(MBH)*				HEATING					ELECTRICAL			OPERATING WEIGHT LBS.	NOTES
						TOTAL	SENSIBLE	IEER	EER	TYPE	KW	MBH	STAGES	OUTSIDE AIR CFM	VOLT/PH/ HZ	MCA	MOCP		
RTU-1	CARRIER	50LC0A12J2M5-0R1D0	4000	1.0	2.15	124.6	90.7	20.8	13.1	ELECTRIC	25.2	86.1	1	800	208/3/60	99	100	2,057	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
RTU-2	CARRIER	50LC0A14J2M5-0R1D0	4800	1.0	1.89	147.9	111.8	19.2	12.5	ELECTRIC	37.6	128.4	1	800	208/3/60	147	150	2,525	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
RTU-3	CARRIER	50LC0A08J3M5-0R1D0	3000	1.0	1.61	88.9	66.7	19.3	12.9	ELECTRIC	12.4	42.3	1	350	208/3/60	54	60	2,032	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15
RTU-4	CARRIER	50LC0A12J2M5-0R1D0	4000	1.0	2.15	121.6	93.5	20.8	13.1	ELECTRIC	12.4	42.3	1	370	208/3/60	54	60	2,033	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15

*DESIGN BASED ON 95°F OA, 80°F DB, AND 67°F WB
**MODEL NUMBER PROVIDED THROUGH NATIONAL ACCOUNT AGREEMENT. IF ANY DISCREPANCIES BETWEEN MODEL NUMBER AND NOTES OCCUR, PROVIDE REQUIRED ACCESSORIES AS INDICATED IN NOTES.
RACETRAC HAS AN EXCLUSIVE NATIONAL ACCOUNT WITH CARRIER. PLEASE CONTACT BOB ECKWEILER 973-222-6742 OR EMAIL bob.eckweiler@carrier.com FOR PRICING QUESTIONS.

NOTES:
1. PROVIDE UNITS WITH INSULATED MATCHING FACTORY ROOF CURB, MINIMUM 14" IN HEIGHT.
2. PROVIDE UNITS WITH ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF.
3. PROVIDE COMPRESSORS WITH SHORT CYCLING PROTECTION.
4. PROVIDE SINGLE POINT POWER CONNECTION.
5. PROVIDE CONDENSATE DRAIN OVERFLOW SENSOR SWITCH.
6. PROVIDE SMOKE DETECTOR ON SUPPLY DUCT, TO SHUTDOWN UNIT IF DETECTING SMOKE.
7. PROVIDE DEHUMIDIFICATION PACKAGE WITH ADDITIONAL INTEGRAL HOT GAS REHEAT COIL AND REFRIGERATION PIPING.
8. UNITS ARE AHRI RATED.
9. PROVIDE WITH EPOXY COATED COILS WITHIN 5 MILES OF COAST LINE.
10. PROVIDE WITH HAIL GUARDS.
11. PROVIDE 5 YEAR COMPRESSOR AND 3 YEAR PARTS WARRANTY.
12. NON-FUSED DISCONNECT PROVIDED BY RACETRAC.
13. CONTRACTOR SHALL PROVIDE SIEMENS RDY2000BM THERMOSTAT AND SIEMENS QFM2160 DUCT MOUNTED HUMIDITY/TEMPERATURE SENSOR. NO SUBSTITUTIONS.
14. FAN SHALL BE SET TO RUN CONTINUOUSLY TO MAINTAIN MINIMUM OUTDOOR AIR REQUIREMENTS.
15. UNPOWERED CONVENIENCE OUTLET.

ECONOMIZER CONTROL NOTES:
AS THE MIXED AIR TEMPERATURE FLUCTUATES ABOVE 55°F OR BELOW 50°F DAMPERS WILL MODULATE (OPEN OR CLOSE) TO BRING IN MIXED-AIR TEMPERATURE BACK WITH CONTROL. IF MECHANICAL COOLING IS UTILIZED WITH FREE COOLING, THE OUTDOOR-AIR DAMPER WILL MAINTAIN ITS CURRENT POSITION AT THE TIME THE COMPRESSOR IS STARTED. IF THE INCREASE IN COOLING CAPACITY CAUSES THE MIXED-AIR TEMPERATURE TO DROP BELOW 45°F, THEN THE OUTDOOR-AIR DAMPER POSITION WILL BE DECREASED TO THE MINIMUM POSITION. CONTROL RETURNS TO NORMAL ONCE THE MIXED-AIR TEMPERATURE RISES ABOVE 48°F.

AIR CURTAIN SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	FURN. BY	INST. BY	MANUFACTURER	MODEL	ELECTRICAL DATA			MAX. VEL. AT NOZZLE (FPM)	AVG. OUTLET VEL. (FPM)	AIR VOLUME (CFM)	MOTOR HP	WEIGHT (LBS.)
							VOLT	PH	LOAD					
5182	1	AMBIENT AIR CURTAIN	RT	GC	BERNER	IDC12-1036A	120 V	1	6.5 A	5,166	1,728	1,512	1/2	100

EXHAUST FAN SCHEDULE

TAG	SERVICE AREA	MANUFACTURER	MODEL NUMBER	CONFIG	CFM	E.S.P. (IN W.G.)	SONES	HP	RPM	DRIVE	VOLT/PH/HZ	WEIGHT (LBS)	DIMENSIONS LxWxH	OPENING L"xW"	CONTROL	NOTES
EF-1	RESTROOM WOMENS	GREENHECK	G-080-VG	ROOF	210	0.5	7.5	1/10	1725	DIRECT	120/1/60	47	17x17	12.5x12.5	RESTROOM LIGHTING	1, 2, 3
EF-2	RESTROOM MENS	GREENHECK	G-080-VG	ROOF	350	0.5	8.5	1/10	1725	DIRECT	120/1/60	47	17x17	12.5x12.5	RESTROOM LIGHTING	1, 2, 3
EF-3	KITCHEN PREP	GREENHECK	G-100-VG	ROOF	600	0.5	5.0	1/4	1725	DIRECT	120/1/60	61	19x19	14.5x14.5	WALL SWITCH	1, 2, 3
EF-4	RECEIVING	GREENHECK	G-100-VG	ROOF	600	0.5	5.0	1/4	1725	DIRECT	120/1/60	61	19x19	14.5x14.5	THERMOSTAT	1, 2, 3

NOTES:
1. PROVIDE FANS WITH INSULATED MATCHING ROOF CURB, MINIMUM 12" IN HEIGHT.
2. PROVIDE FANS WITH AUTOMATIC BACKDRAFT DAMPERS.
3. PROVIDE FANS WITH DISCONNECT SWITCH.

AIR DISTRIBUTION SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	FACE SIZE	NECK SIZE	MATERIAL	FRAME	FINISH	DAMPER	THROW	NC	CFM RANGE	NOTES
A	TITUS	TMSA-AA	12x12	SEE PLAN	ALUM.	PLASTER	OFF WHITE	-	VERT/HORZ	MAX. 30	10-200	1, 2, 3, 4, 5, 6
B	TITUS	TMSA-AA	24x24	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERT/HORZ	MAX. 30	250-740	1, 2, 3, 4, 5, 6
C	TITUS	S300FL	26x8	24x6	ALUM.	NA	OFF WHITE	-	HORZ	MAX. 30	360-425	4,9,10
D	TITUS	PAS-AA	24x24	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERT	MAX. 30	250-740	1, 3, 4, 5, 6
R	TITUS	350FL	12x12	10x10	ALUM.	SEE PLANS	OFF WHITE	-	-	MAX. 30	*	3, 4, 6, 7
S	TITUS	350FL	24x24	22x22	ALUM.	LAY-IN	OFF WHITE	-	-	MAX. 30	*	3, 4, 6
T	TITUS	350FL	24x48	22x46	ALUM.	LAY-IN	OFF WHITE	-	-	MAX. 30	*	3, 4, 6

NOTES:
1. PROVIDE SPIN-IN COLLAR WITH VOLUME DAMPER AT TRUNK TO FLEX DUCT CONNECTION (SEE DETAIL ON M430).
2. PROVIDE TYPICAL 4-WAY DIFFUSION, 2-WAY OR 3-WAY ONLY WHERE INDICATED ON PLANS.
3. REFER TO ARCHITECT PLANS FOR CEILING TYPE.
4. FINAL COLOR SELECTION SUBJECT TO ARCHITECT APPROVAL.
5. FLEX DUCT SIZE TO BE SAME AS DIFFUSER NECK SIZE.
6. PROVIDE INSULATION ON THE BACK OF DIFFUSER.
7. PROVIDE GRILLE MOUNTED OPPOSED BLADE VOLUME DAMPER WITH CONCEALED ACCESSIBLE OPERATOR.
8. PROVIDE MPI-39 PLENUM BOX AND BORDER TYPE 2A.
9. DUCT MOUNTED.
10. PROVIDE WITH AIR SCOOP DAMPER.

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Professional Corporation
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AKRON, OH 44311

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200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 DATE 06/02/23

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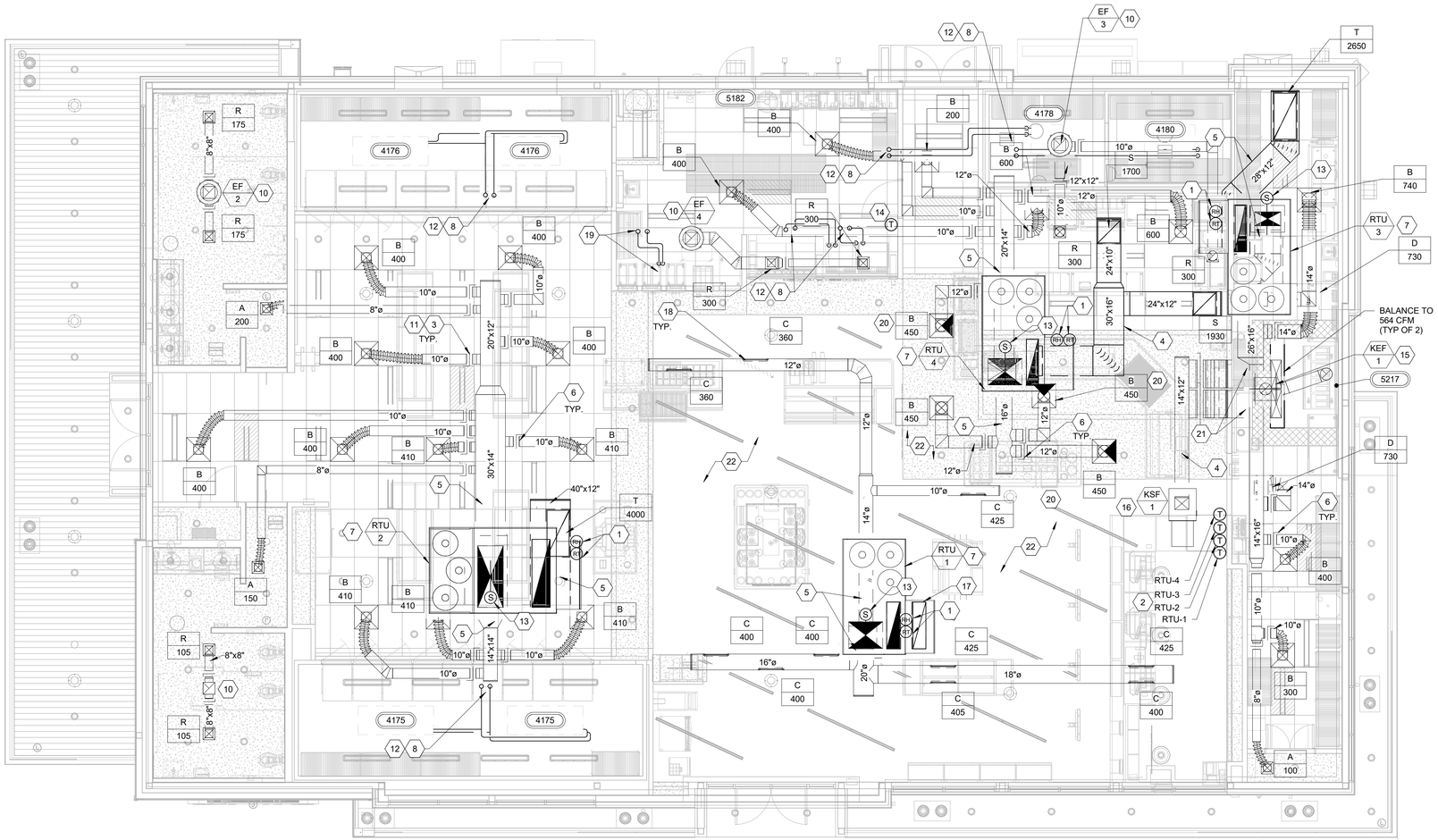
PROFESSIONAL SEAL
GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON MARZLEY
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE
MECHANICAL EQUIPMENT SCHEDULES

SHEET NUMBER
M002



1 MECHANICAL PLAN
3/16" = 1'-0"

GENERAL NOTES

1. RUN REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. SUCTION PIPING SHALL BE INSULATED WITH 1/2" THICK PIPE INSULATION ON PIPING SMALLER THAN 1", 1" THICK INSULATION ON PIPING 1" AND LARGER SLID OVER TUBING WITHOUT CUTTING. ALL JOINTS AND SEAMS SHALL BE SEALED WITH ADHESIVE.
2. FLEXIBLE DUCTWORK NOT TO EXCEED 5'-0". WHEN LONGER RUNS OCCUR, USE MINIMUM #26 GA HARD ROUND DUCTWORK TO MAINTAIN REQUIRED LENGTH.
3. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE OWNER AND ARCHITECT.
4. CONTRACTOR TO PROVIDE PROTECTIVE HOUSINGS ON ALL HVAC AND REFRIGERATION EQUIPMENT LOCATED OUTSIDE.
5. GENERAL CONTRACTOR TO PROVIDE PIPE STAND TO HOLD REFRIGERANT LINES UP OFF ROOF.
6. EXHAUST VENTS SHALL MAINTAIN A MINIMUM OF 10'-0" CLEARANCE FROM ANY OUTSIDE AIR INTAKE.
7. COORDINATE EXACT LOCATION OF ALL ROOF PENETRATIONS WITH THE ARCHITECTURAL DRAWINGS.
8. CONTRACTOR SHALL PERFORM AN AIR BALANCE OF THE HVAC SYSTEMS TO THE AIR QUANTITIES SHOWN ON THE PLAN AND EQUIPMENT SCHEDULE. SUBMIT AIR BALANCE REPORT TO ENGINEER AND OWNER FOR APPROVAL.
9. CONTRACTOR SHALL INSTALL 1/2" HARDWARE CLOTH ACROSS ALL RETURN AIR AND SUPPLY AIR DUCTWORK TO PREVENT DEBRIS GETTING INTO THE AIR DISTRIBUTION SYSTEM DURING CONSTRUCTION.
10. INSTALL 1" ACOUSTICAL DUCT LINER IN FIRST 10' OF SUPPLY AND RETURN AIR DUCT FROM ROOFTOP UNIT.
11. BRANCH SUPPLY DUCT CONNECTION TO MAIN SUPPLY DUCT SHALL BE A MIN. OF 5'-0" FROM RTU SUPPLY DROP.
12. FLEXIBLE DUCTWORK SHALL NOT BE PERMITTED IN EXPOSED AREAS.

SHEET KEYNOTES

1	REMOTE TEMPERATURE/HUMIDITY SENSOR MOUNTED IN RETURN DUCT. CONNECT TO PROGRAMMABLE THERMOSTAT/HUMIDISTAT LOCATED IN BACK OF HOUSE AREA.
2	THERMOSTAT FOR RTU-1, RTU-2 & RTU-4 TO BE SET AT 68°F FOR HEATING, 72°F FOR COOLING AND 50% FOR HUMIDITY. THERMOSTAT FOR RTU-3 TO BE SET AT 67°F FOR HEATING, 73°F FOR COOLING AND 50% FOR HUMIDITY. THERMOSTATS SHALL BE INSTALLED VERTICALLY ON WALL BEHIND DOOR AT 48" A.F.F. LOCATE DUCT-DETECTOR SMOKE TEST SWITCHES ABOVE THERMOSTATS. GC SHALL PROVIDE LOCKABLE COVERS, HONEYWELL CGS12A1009 LARGE THERMOSTAT GUARD.
3	SPIN-IN FITTING AND EXTRACTOR SCOOP, TYPICAL.
4	ROUTE DUCTWORK BELOW BEAM.
5	ROUTE MAIN DUCTWORK BELOW BEAM.
6	ROUTE BRANCH DUCTS BELOW ROOF BEAM.
7	PACKAGED HVAC UNIT TO BE INSTALLED ON ROOF CURB POSITIONED OVER BUILDING STEEL. COORDINATE INSTALL WITH ARCHISTRUCT DWG. SEE DETAIL 2 AND 6 ON SHEET M430, AND DETAIL 6 ON SHEET S432.
8	INSTALL REFRIGERANT PIPING FROM REMOTE CONDENSER ON ROOF TO INDOOR EQUIPMENT/EVAPORATOR AND CONNECT FOR OPERATION. PROVIDE 1/2" THICK PIPING INSULATION ON SUCTION PIPING. COORDINATE INSTALLATION REQUIREMENTS WITH EQUIPMENT VENDOR. LARGE GAPS AROUND CONDUIT PENETRATIONS SHALL BE FILLED WITH 3M FIRE BARRIER SEALANT CP 25WB+
9	NOT USED.
10	EXHAUST DUCT UP THROUGH ROOF TO EXHAUST FAN. SEE DETAIL 1 ON SHEET M430.
11	BALANCE DAMPER SHALL BE YOUNG REGULATOR MODEL 5020R LOCKING HAND QUADRANT WITH 2" STANDOFF. HAND QUADRANT SHALL BE MOUNTED ON BOTTOM OF DUCT. PROVIDE MAGNETIC INDICATOR ON CEILING GRID FOR LOCATION OF HAND QUADRANT. TYPICAL. SEE DETAIL 5 ON SHEET M430.
12	REFRIGERANT PIPING UP THROUGH ROOF IN ATR HUB. SEE DETAIL 3 ON SHEET A201. LARGE GAPS AROUND CONDUIT PENETRATIONS SHALL BE FILLED WITH 3M FIRE BARRIER SEALANT CP 25WB+
13	SMOKE DETECTOR PROVIDED BY ROOFTOP UNIT MANUFACTURER TO SHUTDOWN UNIT UPON SENSING SMOKE AND SEND OUT A REMOTE ALARM SIGNAL.
14	EF-4 THERMOSTAT SHALL CLOSE ON TEMPERATURE RISE. THERMOSTAT SHALL BE SET AT 75°F. THERMOSTAT SHALL BE HONEYWELL MODEL T651A3018. COORDINATE WITH ELECTRICAL.
15	EXHAUST HOOD EXHAUST FAN, REFER TO HOOD DRAWINGS FOR MORE INFORMATION.
16	EXHAUST HOOD MAKE-UP AIR UNIT, REFER TO HOOD DRAWINGS FOR MORE INFORMATION.
17	TURN RETURN DUCT UP IN JOIST SPACE WITH 90° ELBOW.
18	MOUNT SUPPLY DIFFUSER AT 45° TOWARDS FLOOR. TYPICAL
19	VENDOR TO PROVIDE CHILLED WATER PIPING FROM YOGURT MACHINES #4025 TO REMOTE CHILLER #4131 ON ROOF. PIPING TO GO THROUGH ATR HUB. SEE DETAIL 3 ON SHEET A201
20	BLANK OFF DIFFUSER AS SHOWN ON PLANS.
21	TRANSITION BRANCH SUPPLY DUCT BELOW MAIN SUPPLY DUCT.
22	ALL EXPOSED DUCT WORK IN THE SALES AREA SHOULD BE HARD/SPIRAL DUCT. NO FLEXIBLE DUCT TO BE USED IN THE EXPOSED SALES AREA.

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RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO GA 30642

2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON M. STANLEY
09/15/23

PROJECT NUMBER

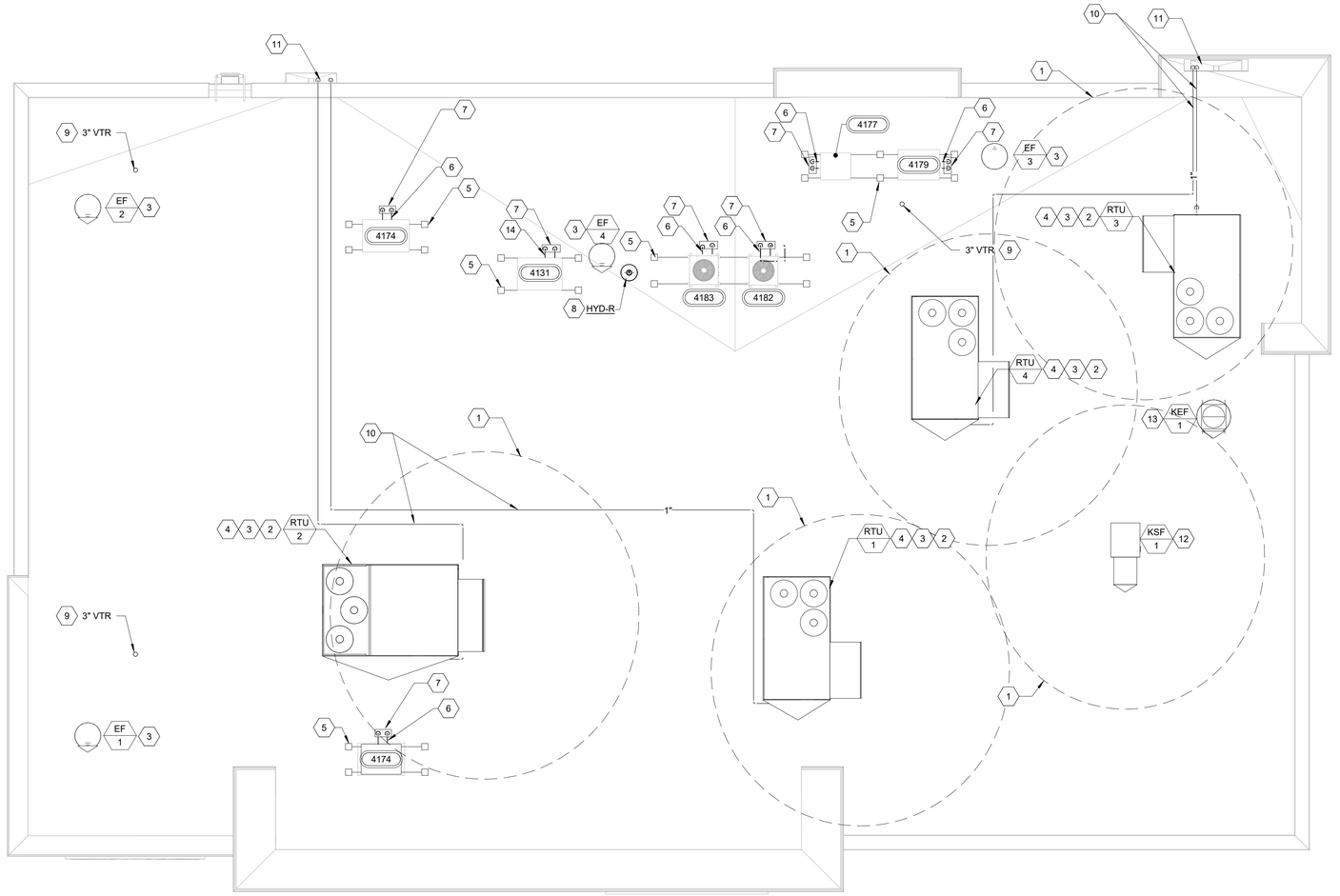
2023157.20

SHEET TITLE

MECHANICAL PLAN

SHEET NUMBER

M120



1 MECHANICAL ROOF PLAN
3/16" = 1'-0"

GENERAL NOTES

1. RUN REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. SUCTION PIPING SHALL BE INSULATED WITH 1/2" MANVILLE AEROTUBE 11 PIPE INSULATION SLID OVER TUBING WITHOUT CUTTING. ALL JOINTS AND SEAMS SHALL BE SEALED WITH ADHESIVE. PROVIDE COATING TO PROTECT INSULATION FROM DETERIORATION FROM THE SUN AND WEATHER.
2. CONTRACTOR TO PROVIDE PROTECTIVE HOUSINGS ON ALL HVAC AND REFRIGERATION EQUIPMENT LOCATED OUTSIDE.
3. GENERAL CONTRACTOR TO PROVIDE PIPE STAND TO HOLD REFRIGERANT LINES UP OFF ROOF.
4. CONTRACTOR SHALL INSTALL 1/2" HARDWARE CLOTH ACROSS DIMENSIONS OF AIR INLET & OUTSIDE AIR INTAKE TO PREVENT BLOCKAGE FROM DEBRIS. CONTRACTOR RESPONSIBLE FOR PAINT TOUCH-UP AT ANY SCRATCHED/MARRED SURFACES. PAINT SPEC PER MANUFACTURER'S RECOMMENDATIONS.
5. COORDINATE EXACT LOCATION OF ALL ROOF PENETRATIONS WITH THE ARCHITECTURAL DRAWINGS.
6. ALL CONDUIT/PIPING ROUTED THROUGH ATR HUB SHALL HAVE LOW POINT OUTSIDE OF ATR TO ENSURE WATER TIGHT AND NO WATER OR CONDENSATION RUNS BACK INTO ATR HUB.
7. GENERAL CONTRACTOR SHALL SHIM RTU ROOF CURB AS REQUIRED TO LEVEL UNIT.

SHEET KEYNOTES

1	CONTRACTOR TO MAINTAIN 10'-0" CLEARANCE OF OUTSIDE AIR INTAKES ON HVAC UNITS TO ALL EXHAUST OUTLETS AND SANITARY VENTS.
2	MAINTAIN FACTORY RECOMMENDED SERVICE CLEARANCES FOR EQUIPMENT ON ROOF.
3	COORDINATE LOCATION OF UNITS AND ROOF CURBS WITH THE ARCHITECTURAL AND STRUCTURAL DWGS SHOWING BUILDING STEEL. SEE DETAIL 1 AND 6 ON SHEET M430.
4	ALL UTILITIES TO ROOFTOP HVAC UNITS TO BE ROUTED UP THROUGH ROOF CURB. COORDINATE WITH MANUFACTURER'S RECOMMENDATION THROUGH THE BASE LOCATIONS FOR UTILITIES.
5	G.C. SHALL PROVIDE EQUIPMENT SUPPORT RACKS FOR REMOTE CONDENSERS M.C. SHALL INSTALL OWNER FURNISHED CONDENSERS ON RACKS. SEE DETAIL 8 ON SHEET M430.
6	CONTRACTOR SHALL FURNISH AND INSTALL REFRIGERANT PIPING FROM CONDENSERS TO EVAPORATOR/COOLERS IN THE SPACE. COORDINATE EXACT LINE SIZES WITH EQUIPMENT VENDOR.
7	G.C. SHALL PROVIDE ATR HUB FOR REFRIGERANT PIPING PENETRATION THROUGH ROOF. SEAL ALL OPENINGS AROUND PIPING WITH FOAM AIR TIGHT. SEE DETAIL 3 ON SHEET A201.
8	NON-FREEZE ROOF HYDRANT. SHOWN FOR REFERENCE. SEE PLUMBING PLANS FOR MORE INFORMATION.
9	SHOWN FOR REFERENCE.
10	PROVIDE 1" CONDENSATE DRAIN PIPING FROM ROOFTOP HVAC UNIT TO CLOSEST SCUPPER . SEE DETAIL 4/P431.
11	RTU CONDENSATE SHALL TERMINATE AT SCUPPER WITH ELBOW TURNED DOWN IN SCUPPER WITH REQUIRED AIR GAP.
12	EXHAUST HOOD MAKE-UP AIR UNIT, REFER TO HOOD DRAWINGS FOR MORE INFORMATION.
13	EXHAUST HOOD EXHAUST FAN, REFER TO HOOD DRAWINGS FOR MORE INFORMATION.
14	CONTRACTOR SHALL FURNISH 1"ø CHILLED WATER SUPPLY AND RETURN PIPING FROM CHILLER TO YOGURT MACHINES. COORDINATE EXACT REQUIREMENTS WITH VENDOR.

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON MARTINEZ

09/15/23

PROJECT NUMBER

2023157.20

SHEET TITLE

MECHANICAL ROOF PLAN

SHEET NUMBER

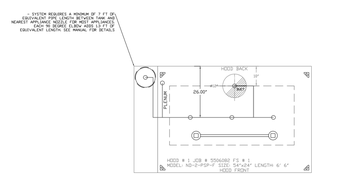
M200

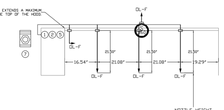
FIRE SYSTEM INFORMATION — JOB#5506082

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK-FS	4.0	20	FIRE CABINET LEFT	LEFT, HOOD 1

FIRE SYSTEM PARTS LIST KEY

SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - 12-FT28121-30144-07-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP. RISE AT 360°F.	1	0
		1 - 0 - 87-306000-00 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	1	0
		4 - 0 - 87-308030-00 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID	1	0
		5 - 0 - 87-308040-00 SECONDARY ACTUATOR KIT (SAK) - ACTUATOR AND RELEASE SOLENOID	1	0
		7 - 0 - 87-380120-00 HARDWARE, 5/4 BOLTS, TANK FIRE SUPPRESSION.	4	0
		D - 0 - 90554059C PKD PRESS 1/2 PRESS X PRESS 90 ELBOW LB.	4	0
		D - 0 - 90573309C PKD PRESS PCXU 1/2 PRESS TEE LB.	4	0
		D - 0 - 90694403 HARDWARE, DATAMALLOK LOCKING BRACKET SQUARE NUTS 5/56" ZINC, TANK FIRE SUPPRESSION.	2	0
		D - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION, 5"5 DEEP BACK BOX, RED COLOR.	1	0
		D - 0 - B1345 3/8" BLACK IRON 90 ELL.	2	0
		D - 0 - DATAMALLOK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		D - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	3	0
		D - 0 - TF3-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		D - 0 - WX-09395S-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	1	0
		15 - 16 - 79051 1/2" X 3/8" NPT MALE ADAPTER, VIEGA	5	0
		16 - 16 - 79050 1/2" X 1/2" NPT MALE ADAPTER, VIEGA. COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE)— 6 FLOW POINTS.	5	0
		26 - 26 - GEA-3/8 QUIK SEAL — 3/8" I.D.	5	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT, RED COLOR.	1	0





NOTES
- FIELD PIPE DROPS AS SHOWN
- PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, EQUIPMENT, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PIPE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS.

- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 5506082
JOB NAME: RACETRAC - EFC & TC - 4 VAT FRYER - NON HEATED.

SYSTEM SIZE: TANK-SP-1 TOTAL FP REQUIRED: 20.
HOOD # 1: 6.00' LONG x 54" WIDE x 24" HIGH.
RISER # 1: SIZE: 10" DIA.
HOOD # 1: METAL BLDV-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

LEGEND — FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.

REVISIONS

	DESCRIPTION	DATE
A		
B		
C		
D		
E		

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Racetrac - EFC & TC - 4 Vat Fryer - Non Heated
Gadsden, AL. 35904

DATE: 6/8/2022
DWG.#: 5506082
DRAWN BY: VAH-50
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 3

ND-2 HANGING ANGLE DETAIL

HOOD STYLE	DIM FROM WALL	DIM FROM FRONT	DIM FROM SIDE (SIDE)
CANOPY HOOD	4.188"	2.248"	2.248"
ND2-PSP-F	4.188"	2.248"	2.248"
BACKSPLASH (BKP30)	2.00"	14.25"	-
VHB/VHB-SS	38"x36"	42"x42"	48"x48"
END PANEL	2.248"	2.248"	2.248"

HANGING ANGLE LOCATIONS

CALCULATIONS UTILIZED

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

BUILDING CODES

CAPTIVE-AIRE HOODS HAVE OPTIONAL CLEARANCE REDUCTION SYSTEMS AVAILABLE AS FOLLOWS:

MATERIAL	CLEARANCE REDUCTION SYSTEM
NON-COMBUSTIBLE	NONE REQUIRED
LIMITED-COMBUSTIBLE	3" UNINSULATED STANDOFF
COMBUSTIBLE	3" INSULATED STANDOFF

CLEARANCE TO COMBUSTIBLES

INSTALLATION

1. ALL ELECTRICAL "FIELD" CONNECTIONS ARE RELATED TO INTERCONNECTION OF ELECTRICAL COMPONENTS.
2. ALL ELECTRICAL CONNECTIONS ARE TO BE MADE IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
3. ALL ELECTRICAL WIRING IS TO BE INSTALLED IN RACEWAY PLANS. ALL OTHER WIRING MATERIALS PROVIDED BY INSTALLING CONTRACTOR.
4. ALL CONNECTIONS FROM APPLIANCE DUCT FAN DELIVERED, CONTRACTOR'S PLANS.
5. CONTRACTOR'S PLANS TO BE SUBMITTED BY THE OWNER'S AGENT PRIOR TO TURN IN A COPY OF THE APPROVED PLANS TO THE CAPTIVE-AIRE REPRESENTATIVE FOR FINAL REVIEW. ANY DEVIATIONS BETWEEN APPROVED PLANS AND INSTALLATION REQUIREMENTS.
6. LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTOR. SIGNAGE, DESIGNATED ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
7. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS, INCLUDING BUT NOT LIMITED TO, INTERLOCKING, OPERATIONAL AND COMMUNICATION OF ALL EQUIPMENT AND ACCESSORIES AS REQUIRED FOR INSTALLATION OF EQUIPMENT SHOWN.

BALANCE

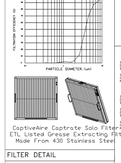
1. CAPTIVE-AIRE HOODS MUST BE BALANCED WITH KITCHEN. ALL KITCHEN EQUIPMENT WITH EXHAUST TO BE BALANCED WITH HOOD.
2. ALL HOODS MUST BE POSITIVE WITH RESPECT TO MAKEUP AIRFLOW.

ADDITIONAL

1. CAPTIVE-AIRE HOODS DIMENSIONS HAVE PRECEDENCE OVER SCALE DRAWINGS. REFER TO CAPTIVE-AIRE SHOP DRAWINGS FOR EXACT DIMENSIONS, FIELD VERIFY.
2. ALL HOODS ARE SUPPLIED WITH FACTORY INSTALLED LIGHTS.

GENERAL NOTES:

1. ALL HOODS ARE FABRICATED FROM 16 GAUGE 304 STAINLESS STEEL.
2. ALL HOODS ARE FABRICATED WITH WELDED SEAMS AND CORNERS.
3. ALL HOODS ARE SUPPLIED WITH 4" WELDED STAINLESS STEEL TUBE FOR HANGING.
4. ALL HOODS ARE SUPPLIED WITH 1" DEEP BAFFLE FILTERS.
5. ALL HOODS ARE SUPPLIED WITH 1" DEEP BAFFLE FILTERS.



CaptiveAire Captrate Solo Filter
ETL Listed Grease Extracting Filters
Made From 430 Stainless Steel

FILTER DETAIL

HOOD INFORMATION — JOB#5506082

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM SIZE(S) WIDTH	LENG	HEIGHT	23A	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	HOOD CONFIG BOW
1		5424 FK-ND-2 S-SB-F	K-TECH	6' 6"	500 DEG	1	HEAVY	817	1410				4"	10"	1410	1795	-0.696"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

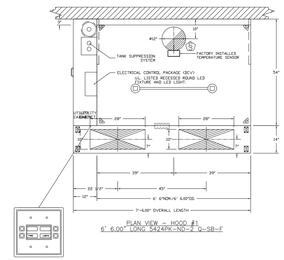
HOOD NO	TAG	TYPE	FILTER(S) QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	LIGHT(S) WIRE GUARD	LOCATION	SIZE	UTILITY CONNECTIONS FIRE SYSTEM TYPE	SIZE	ELECTRICAL SWITCHES MODEL #	QUANTITY	FIRE SYSTEM PIPING	HOOD WEIGHT
1		CAPTRATE SOLO FILTER	4	25"	16"	95% SEE FILTER SPEC	2	RECESSED ROUND	NO	LEFT	12"x54"x24"	TANK FS	4.0	DCV-1111	1 LIGHT 1 FAN	YES	642 LBS.

HOOD OPTIONS

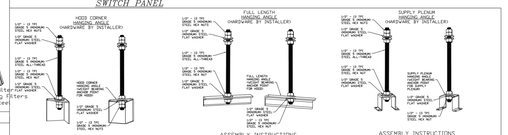
HOOD NO	TAG	OPTION
1		FIELD WRAPPER 17.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 16.00" LONG 430 SS VERTICAL.
		BACKSPLASH 120.00" HIGH X 18.00" LONG 430 SS VERTICAL.
		BACKSPLASH 120.00" HIGH X 18.00" LONG 430 SS VERTICAL.
		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		RISER SENSOR INSTALL 6FM PLEN

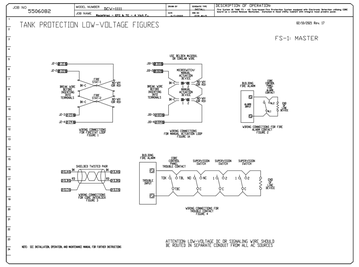
INTERPOSED SUPPLY PLENUM(S)

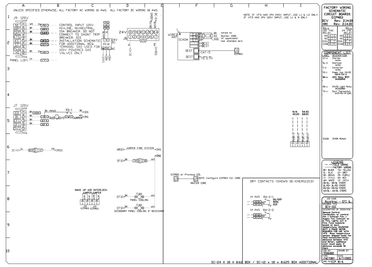
HOOD NO	TAG	POS	DIMENSIONS LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENG	23A	CFM	SP
1		Front	96"	14"	6"	MUA	10"	28"		564	0.149"
						MUA	10"	28"		564	0.149"

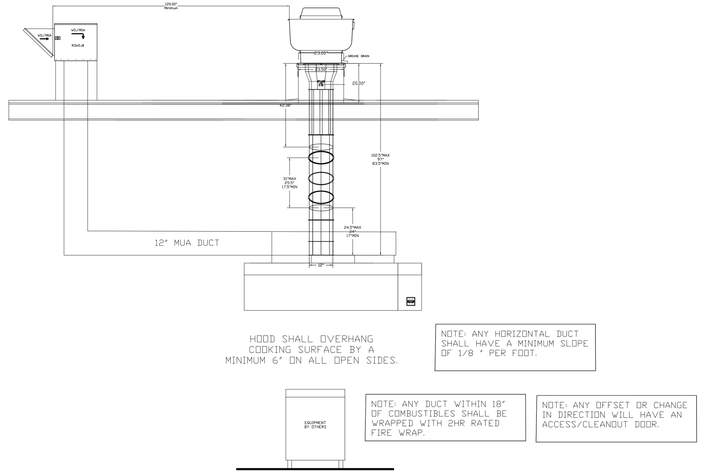


LCD FAN AND LIGHT SWITCH PANEL


HOOD CONNECT (HARDWARE BY INSTALLER)
FULL LENGTH HANGING ANGLE (HARDWARE BY INSTALLER)
SUPPLY PLENUM HANGING ANGLE (HARDWARE BY INSTALLER)
1/2" DIA. THREADED ROD
1/2" WASHER & NUT
1/2" DIA. THREADED ROD
1/2" WASHER & NUT
1/2" DIA. THREADED ROD
1/2" WASHER & NUT
1/2" WASHER & NUT
1/2" WASHER & NUT




FAN SCHEDULE
SEE SHEET M-0 FOR CURB DIMENSIONS
SEE SHEET M-0 FOR CURB DIMENSIONS
SEE SHEET M-0 FOR CURB DIMENSIONS



HOOD SHALL OVERHANG COOKING SURFACE BY A MINIMUM 6" ON ALL OPEN SIDES.

NOTE: ANY HORIZONTAL DUCT SHALL HAVE A MINIMUM SLOPE OF 1/8 " PER FOOT.

EQUIPMENT BY OTHERS

NOTE: ANY DUCT WITHIN 18" OF COMBUSTIBLES SHALL BE WRAPPED WITH 2HR RATED FIRE WRAP.

NOTE: ANY OFFSET OR CHANGE IN DIRECTION WILL HAVE AN ACCESS/CLEANOUT DOOR.

REVISIONS

	DESCRIPTION	DATE
1		
2		
3		
4		

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Racetrac - EFC & TC - 4 Vat Fryer - Non Vented
Gadsden, AL, 35904

DATE: 6/8/2022
DWG.#: 5506082
DRAWN BY: WAH-50
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 11

DUCTWORK #1 PARTS - JOB#5506082

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	Invalid Part	1410				-0.01	5.00	1795.27	1	UNAVAILABLE PART OR IT IS MISSING FROM THE PARTS LIST.
P2	KDW1245A5Y	1410				-0.045	5.86	1795.27	1	SINGLE WALL DUCT 45 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P3	Invalid Part	1410				-0.056	5.00	1795.27	1	UNAVAILABLE PART OR IT IS MISSING FROM THE PARTS LIST.
P4	KDW1245A5Y	1410				-0.075	5.86	1795.27	1	SINGLE WALL DUCT 45 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P5	Invalid Part	1410				-0.038	5.00	1795.27	1	UNAVAILABLE PART OR IT IS MISSING FROM THE PARTS LIST.
P6 ASSEMBLED W/P7	KDW1256A5P	1410				-0.062	6.40	1795.27	1	SINGLE WALL DUCT ADAPTER, 12" DUCT DIA TO 16" DUCT DIA, ASSEMBLY.
P7 ASSEMBLED W/P6	KDW2316TP3BEX	1410					8.00	1009.84	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 23" CURB TO 16" DUCT, 16 GA ALUMINIZED. USED ON NC64FA & NC64NFFA. TRANSITION PLATE OD IS 23.5" DESIGNED FOR USE WITH EXHAUST FAN. NON-STANDARD PART.
SYSTEM AT P7						-0.953	0.00			
	K3M-2000PLUS						0.80		2	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
	KDW20CLA5Y						0.94		6	DUCT "V" CLAMP WITH NEW DESIGN 14 GA BRACKETS, 12" DUCT, ASSEMBLY.
TOTAL WEIGHT							33.06			

SINGLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 1/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL WALL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'
26"	10'	10'	24'
28"	10'	10'	24'
30"	10'	10'	24'
32"	10'	10'	24'
34"	10'	10'	24'
36"	10'	10'	24'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

REVISIONS

	DESCRIPTION	DATE
1		
2		
3		
4		

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Racetrac - EFC & TC - 4 Vat Fryer - Non Vented
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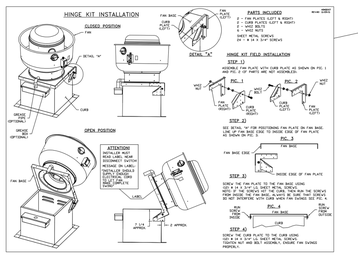
DRAWN BY: WAH-50
SCALE: 3/4" = 1'-0"
MASTER DRAWING

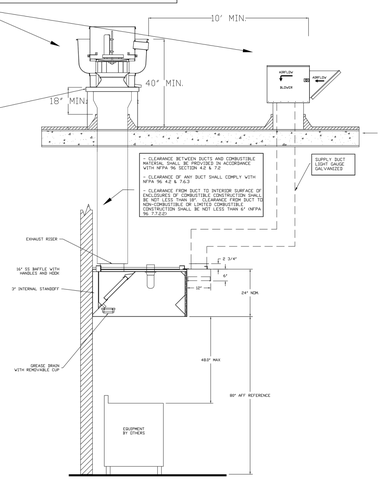
SHEET NO. 9

NFPA 96 7.8.2.1 Rooftop Terminations shall be arranged with or proivded with the following:
(1) A minimum of 10 ft horizontal clearance from the outlet to adjacent buildings, property lines, and air intakes
(2) A minimum of 5 ft horizontal clearance from the outlet to any combustible structure
(3) A vertical seperation of 3 ft below any exhaust outlets for air intakes within 10 ft of the exhaust outlet
(4) The ability to drain grease out of any traps or low points formed in the fan or duct near the termination of the system into a collection container that is noncombustible, closed, rainproof, structurally sound for the service to which it is applied and that will not sustain combustion.
(5) A grease collection device that is applied to exhaust systems that does not inhibit the performance of any fan
(6) Listed grease collection systems that meet the requirements of 7.8.2.1 (4) and 7.8.2.1 (5)
(7) A listed grease duct complying with Section 4.4 or ductwork complying with Section 4.5
(8) A hinged upblast fan supplied with flexible weatherproof electrical cable and service hold-open retainer to permit inspection and cleaning that is listed for cooking equipment with teh following conditions:
(a) Where the fan attaches to the ductwork, the ductwork shall be a minimum of 18in away from any roof surface
(b) The fan shall discharge a minimum of 40in away from any roof surface

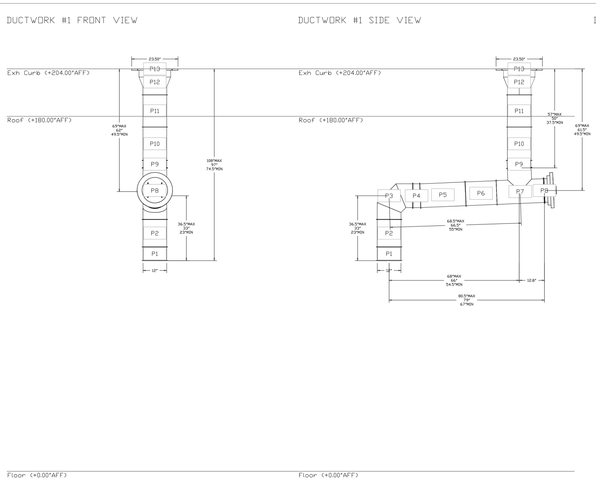
THIS SHEET IS FOR A TYPICAL INSTALLATION, SEE SHEET 4 FOR A CLOSE ESTIMATE OF HOW THE EXHAUST/SUPPLY DUCTS WILL BE ROUTED



FACTORY BUILT EXHAUST DUCT, SEE SHEET 3 FOR SPECIFICATION AND DETAILS



SECTION VIEW - MODEL 6424ND-2-PSP-F HOOD - #1



REVISIONS

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1		
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Racetrac - EFC & TC - 4 Vat Fryer - Non Vented
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DRAWN BY: WAH-50
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 10

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DESIGN PROFESSIONALS

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.

RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

FOR REFERENCE ONLY

PROJECT NUMBER
2023157.20

SHEET TITLE

HOOD DRAWINGS

SHEET NUMBER

M302

GREASE DUCT SPECIFICATION

Furnish single-wall, factory built, grease duct for use with Type I kitchen hoods, which conforms to the requirements of NFPA-96. Centaflex, or approved equal. Products shall be ETL listed to the UL-1978 standard for venting air and grease vapors from commercial cooking operations as described in NFPA-96.

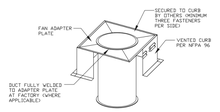
The duct wall shall be constructed of .036" thick type 430 stainless steel and be available in diameters of 8" to 24". The grease duct termination at the fan shall be fully welded to a fan adapter plate (where applicable) and the adapter plate shall be fastened to the curb using a suitably sized fastener provided by others. See Detail A

The duct shall be listed with 18" clearance to combustible materials, 3" clearance to limited combustible materials and 0" clearance to non-combustible materials. Combustible materials are to be defined by the authority having jurisdiction. In cases where the duct distance to combustible materials is less than specified above, insulating products must be installed providing a reduced listing clearance. Approved insulating products include Thermal Ceramics FIREMASTER duct wrap 2x2+ or equal when installed in accordance with the manufacturer's instructions. See Details B & C

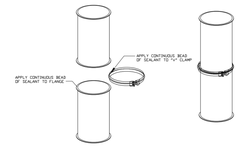
Grease duct joints shall be held together by means of formed vee clamps and sealed with *3M Fire Barrier 2000+*. Screws used to secure the vee clamps shall be of the hex-head type with flanged stops and tapered "lead in" threads for easy starting. Nuts shall be retained by means of a free-floating cage to allow easy alignment. A continuous bead of sealant is to be applied to the duct flange to flange connection, as well as to the "V" groove of the vee clamp. See Detail G

Single-Wall Grease Duct shall be installed in accordance with the manufacturer's *"Installation, Operation and Maintenance Manual"*, ETL listing and state and local codes. Grease duct installed outside of the building shall be protected against accidental damage or vandalism. Support vertically installed grease duct from the building structure using rigid structural supports. Anchor supports to the structure by welding or bolting steel expansion anchors or concrete inserts. Support horizontally installed grease duct from the building structure using above method or use *Duct Mate, Wire Rope & Clutchers*, part numbers WR20 & CL20. 1/2" Threaded rod and saddles may also be used for the support of horizontal grease duct. Fans shall be supported independently from the grease duct sections. Protect grease duct from twisting or movement caused by fan torque or vibration.

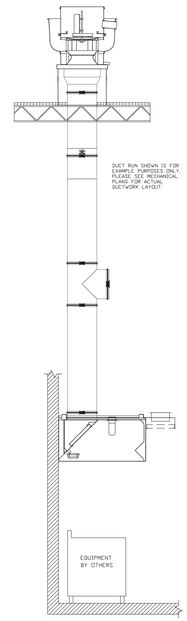
Grease duct installations require provisions for cleaning the interior of the duct. NFPA cleanout requirements are as follows:
1. A cleanout must be provided at each change of direction except where the entire length of duct can be inspected and cleaned from either the hood or the discharge end.
2. On horizontal duct runs, at least one 20" diameter opening must be provided. Where the opening is smaller than 20" diameter, openings large enough to permit cleaning must be provided at intervals of no more than 12'.
3. Openings must be at the side or the top, whichever is more accessible. When the opening is on the side of the duct, the lower edge of the opening must be at least 1.7 above the bottom of the duct. For listed grease duct, this is accomplished by the use of the grease manifold tee and cleanout cap. See Detail E
4. On vertical duct runs where personnel entry is possible, access must be from the top of the riser. Where entry is not possible, access must be provided at each floor.

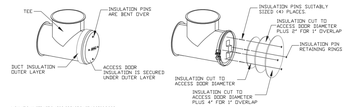


J FAN ADAPTER PLATE



J APPLICATION OF SEALANT





INSULATION INSTRUCTION FOR GREASE DUCT ACCESS DOOR

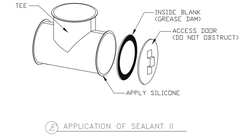
1. (4) SUITABLY SIZED INSULATION PINS ARE WELDED TO THE ACCESS DOOR FOR INSTALLATION OF DUCT WRAP.
2. (4) SUITABLY SIZED PIECES OF DUCT WRAP ARE CUT AND WRAPPED IN ALUMINUM FOIL TAPE.
3. FIRST LAYER OF DUCT WRAP IS CUT TO THE SAME SIZE OF THE ACCESS DOOR AND IMPALED OVER THE INSULATION PINS.
4. SECOND LAYER OF DUCT WRAP IS CUT SO IT OVERLAPS THE FIRST PIECE BY A MINIMUM OF 1" IMPALE THE SECOND LAYER.
5. (4) RETAINING RINGS ARE PLACED OVER THE INSULATION PINS AND PUSHED DOWN TO SECURE THE INSULATION OVER THE SECOND LAYER.
6. IT IS ESSENTIAL THAT THE LAYERS OF INSULATION ARE TIGHT BEFORE SECURING WITH THE INSULATION RETAINING SPEED CLIPS.
7. PINS THAT EXTEND BEYOND THE OUTER LAYER OF INSULATION ARE TURNED DOWN TO AVOID SHARP POINTS ON THE ACCESS DOOR.
8. OVERLAPPED INSULATION IS SECURED UNDER THE DUCT OUTER LAYER.
9. AN ACCESS LABEL IS ATTACHED TO THE OUTER LAYER OF DUCT WRAP "ACCESS DOOR DO NOT OBSTRUCT"

J DUCT WRAP INSTALLATION

#	DESCRIPTION
1	ONE LAYER FIREMASTER FASTWRAP DUO, 2" THICK
2	STEEL BANDING 12" WIDE MIN.
3	1" MIN. PERIMETER OVERLAP
4	2" MIN. PERIMETER OVERLAP (FABRICATION COLLAR (FOR BUTT JOINT OPTION)
5	FIRING PATTERN LAND (FOR BUTT JOINT OPTION)

THE INTEGRITY OF FIREMASTER DUCT SYSTEMS IS LIMITED TO THE QUALITY OF THE INSTALLATION. FIREMASTER IS MANUFACTURED BY ABLE INDUSTRIES TRADEMARK OF THERMAL CERAMICS.
TMFM0514

J DUCT WRAP INSTALLATION II



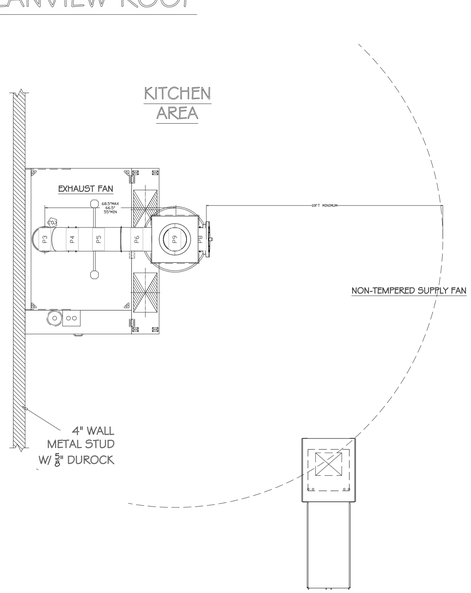
J APPLICATION OF SEALANT II

REVISIONS		
	DESCRIPTION	DATE
1		
2		
3		
4		

Atlanta Office
110 Lovinsworth Ct., Suite 100A, Woodstock, GA, 30188 PHONE: (800) 883-8826 FAX: (678) 237-0564 EMAIL: mail@gbarchitects.com

Racetrac - DT & TC - 4 Vat Fryer - Non Vented
Gadsden, AL, 35904

DATE:	6/8/2022
DWG.#:	5506082
DRAWN BY:	WAH-SG
SCALE:	3/4" = 1'-0"
MASTER DRAWING	
SHEET NO.	13



REVISIONS		
	DESCRIPTION	DATE
1		
2		
3		
4		

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DATE:	6/8/2022
DWG.#:	5506082
DRAWN BY:	WAH-SG
SCALE:	3/4" = 1'-0"
MASTER DRAWING	
SHEET NO.	14

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DESIGN PROFESSIONALS

ISSUE/REVISION RECORD

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09/15/23	PERMIT SET

RaceTrac.

RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

FOR REFERENCE ONLY

PROJECT NUMBER
2023157.20

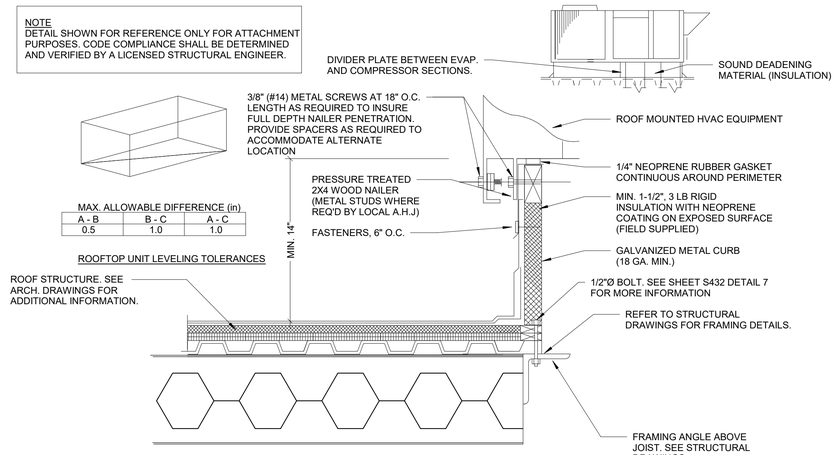
SHEET TITLE

HOOD DRAWINGS

SHEET NUMBER

M303

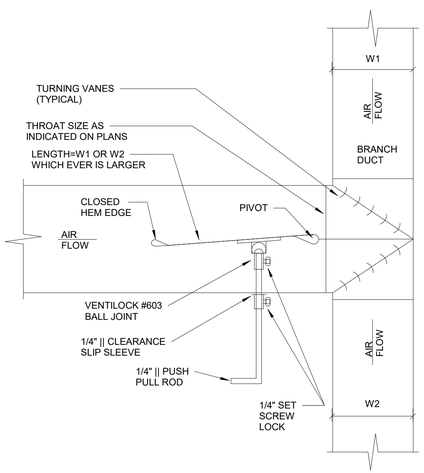
NOTE
DETAIL SHOWN FOR REFERENCE ONLY FOR ATTACHMENT PURPOSES. CODE COMPLIANCE SHALL BE DETERMINED AND VERIFIED BY A LICENSED STRUCTURAL ENGINEER.



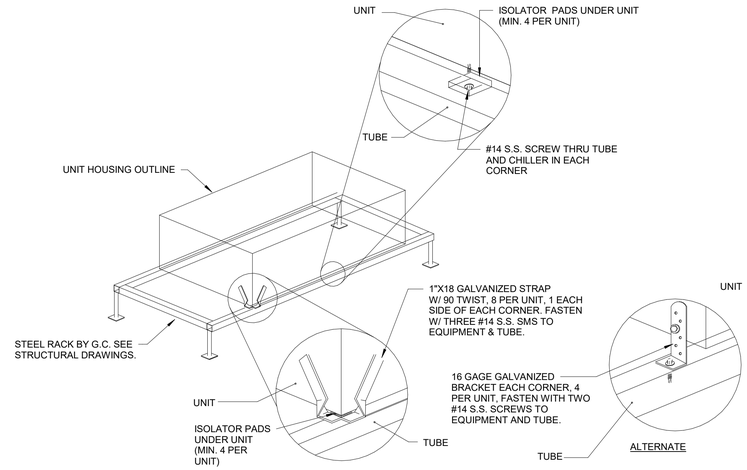
ROOFTOP UNIT INSTALLATION NOTES

1. DUCT TRANSITION FROM RTU TO DUCT SIZE SHOWN ON MECHANICAL FLOOR PLAN SHALL BE MADE BETWEEN RTU AND TOP OF ROOF WITHIN CURB.
2. INSTALL PER MANUFACTURER'S RECOMMENDATION AND INSTALLATION MANUAL.
3. ALL WIRING BY ELECTRICAL CONTRACTOR.
4. SHIM CURB AS REQUIRED TO PROVIDE HORIZONTAL INSTALLATION OF UNIT WITHIN PRESCRIBED TOLERANCES.
5. CONTRACTOR SHALL COORDINATE LOCATION OF ROOF CURB WITH STRUCTURE PRIOR TO INSTALLATION.
6. ROOF CURB BY UNIT MANUFACTURER. PROVIDE ADDITIONAL BRACING AND SUPPORT AS REQUIRED FOR ROOF CURB INSTALLATION TO WITHSTAND WIND LOAD PER LOCAL CODES.
7. CURB TO BE HEAVY GAUGE GALVANIZED STEEL CONSTRUCTION AS RECOMMENDED BY MANUFACTURER. ALL FASTENERS SHALL BE CORROSION PROTECTED IF EXPOSED TO OUTDOORS.
8. CLEARANCE OF UNIT TO ABOVE FINISHED ROOF SHALL COMPLY WITH LOCAL CODE REQUIREMENTS.

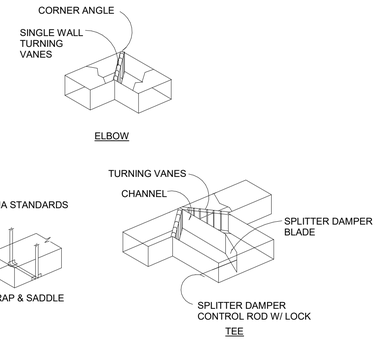
6 HVAC EQUIPMENT ROOF CURB DETAIL
NTS



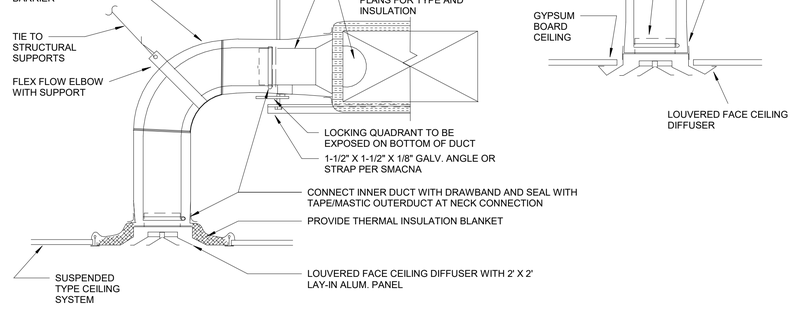
7 RECTANGULAR TEE DUCT DETAIL
NTS



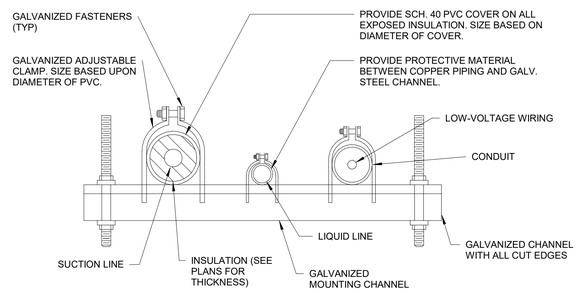
8 ROOF EQUIPMENT MOUNTING RACK DETAIL
NTS



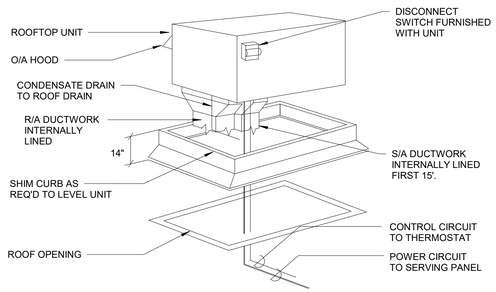
4 HVAC DUCT DETAILS
NTS



5 TYPICAL DIFFUSER DETAIL
NTS



3 REFRIGERANT PIPE MOUNTING DETAIL
NTS

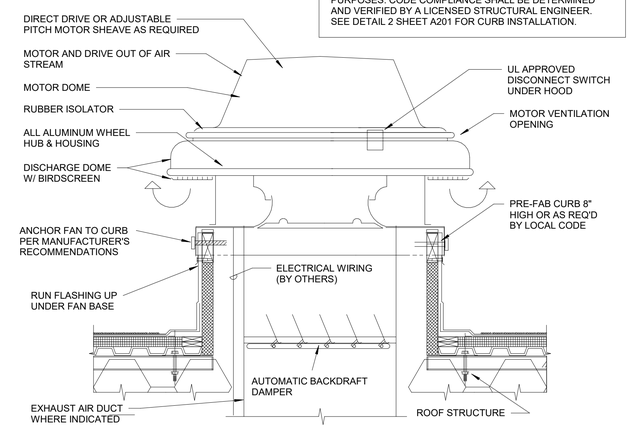


NOTES

1. DUCT TRANSITION FROM RTU TO DUCT SIZE SHOWN ON MECH. FLOOR PLAN SHALL BE MADE BETWEEN RTU AND TOP OF ROOF WITHIN CURB.
2. INSTALL PER MANUFACTURER'S RECOMMENDATION AND INSTALLATION MANUAL.
3. ALL WIRING BY ELECTRICAL CONTRACTOR.

2 ROOFTOP UNIT CONNECTIONS DETAIL
NTS

NOTE
DETAIL SHOWN FOR REFERENCE ONLY FOR ATTACHMENT PURPOSES. CODE COMPLIANCE SHALL BE DETERMINED AND VERIFIED BY A LICENSED STRUCTURAL ENGINEER. SEE DETAIL 2 SHEET A201 FOR CURB INSTALLATION.



PROVIDE 3/8" S.S. THRU BOLTS WITH MIN. LENGTH AS DETERMINED BY FIELD CONDITIONS TO INSURE PROPER ATTACHMENT TO STRUCTURE. PROVIDE ANCHORING AT 18" O.C. OR AS RECOMMENCED BY STRUCTURAL ENGINEER. WELD CURB TO TOP CHORD AS ALTERNATE METHOD.

1 ROOF MOUNTED EXHAUST FAN DETAIL
NTS

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 DATE 06/02/23

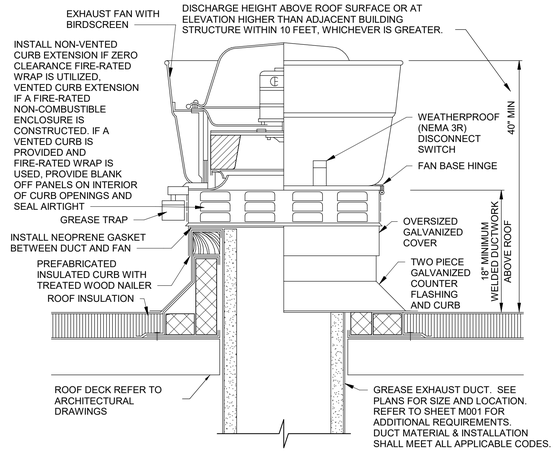
STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL
GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON M. WRIGLEY
09/15/23

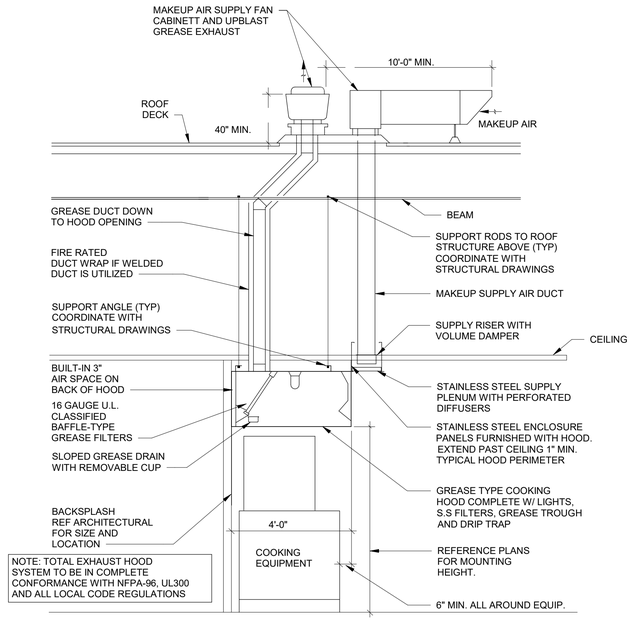
PROJECT NUMBER
2023157.20

SHEET TITLE
MECHANICAL DETAILS

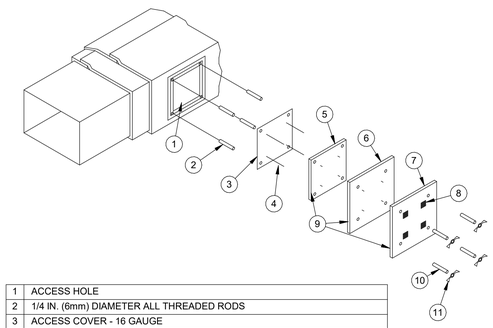
SHEET NUMBER
M430



5 UPBLAST GREASE EXHAUST FAN DETAIL
NTS



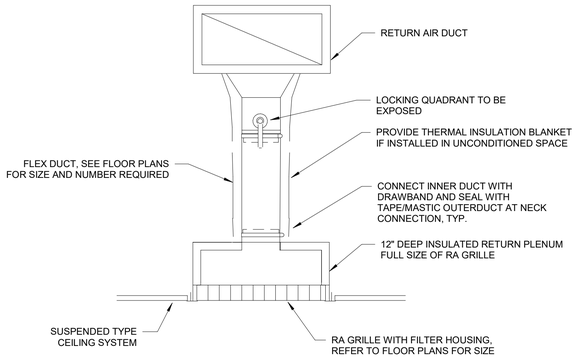
4 EXHAUST HOOD
NTS



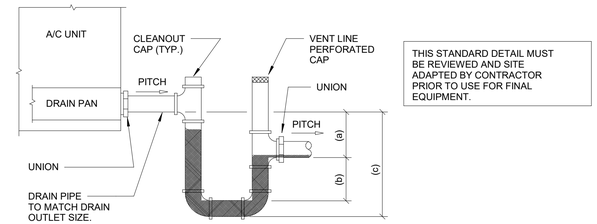
1	ACCESS HOLE
2	1/4 IN. (6mm) DIAMETER ALL THREADED RODS
3	ACCESS COVER - 16 GAUGE
4	INSULATED PINS - WELDED
5	FIRST LAYER FIRE BARRIER DUCT WRAP CUT SAME SIZE AS COVER
6	SECOND LAYER FIRE BARRIER DUCT WRAP WITH 1 IN. (25mm) OVERLAP ON ALL SIDES
7	THIRD LAYER FIRE BARRIER DUCT WRAP WITH 1 IN. (25mm) OVERLAP ON ALL SIDES OF PREVIOUS LAYER
8	SPEED CLIPS
9	ALUMINUM TAPE COVERING ALL EXPOSED EDGES
10	SPOOL PIECES FOR THREADED RODS
11	1/4 IN. (6mm) DIAMETER WING NUTS
FOR REFERENCE ONLY. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	

NOTE: PROVIDE SIMILAR CLEANOUT IF UTILIZING PRE-FABRICATED GREASE DUCT.

3 GREASE DUCT CLEANOUT ACCESS DOOR
12" = 1'-0"



2 TYPICAL RETURN AIR GRILLE DETAIL
NTS



THIS STANDARD DETAIL MUST BE REVIEWED AND SITE ADAPTED BY CONTRACTOR PRIOR TO USE FOR FINAL EQUIPMENT.

NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP
2. PITCH DRAIN FOR PROPER RUNOFF.
3. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL.
4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.
5. TEE'D DRAIN LINES FROM RTU TO RTU ALLOWED.

(a) THIS DIMENSION IN INCHES MUST BE EQUAL TO THE MAXIMUM FAN SUCTION (NEGATIVE) STATIC PRESSURE IN INCHES WG (WITH DIRTY FILTERS, COILS, AND MAXIMUM AIR FLOW) + 1" W.G.

(b) THIS DIMENSION IN INCHES MUST BE EQUAL TO MIN. 1/2 OF THE (a) ABOVE

(c) EQUALS (a) + (b) + PIPE DIA. + + INSULATION

1 DRAW THRU UNIT CONDENSATE TRAP
NTS

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GA 30642
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RACETRAC STORE NUMBER
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PROTOTYPE SERIES 2023
2023 LH MO

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SPB NO. 0205 **DATE** 06/02/23

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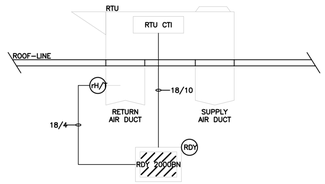
PROFESSIONAL SEAL
GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON M. IRELEY
09/15/23

PROJECT NUMBER
2023157.20

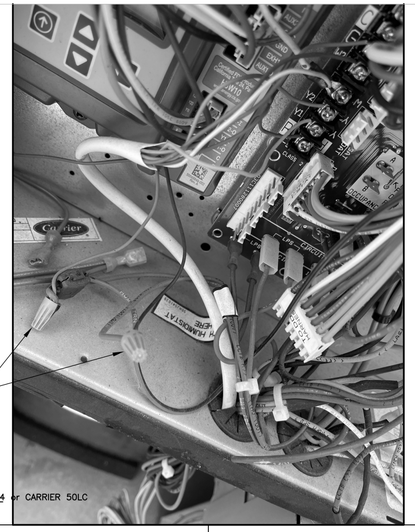
SHEET TITLE
MECHANICAL DETAILS

SHEET NUMBER
M431

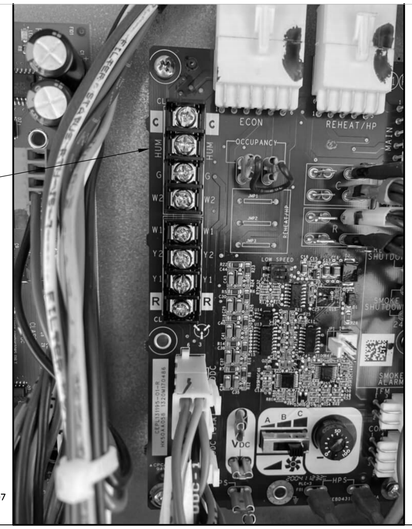
CABLE SCHEDULE	
CABLE	TYPE
18/2	18AWG, 2 CONDUCTOR, SHIELDED, STRANDED, PLENUM, WHITE
18/4	18AWG, 4 CONDUCTOR, SHIELDED, PLENUM, WHITE
18/10	18AWG, 10 CONDUCTOR, UNSHIELDED, STRANDED, PLENUM, WHITE



SLD 1 RDY 2000BN SINGLE LINE DIAGRAM
NO SCALE

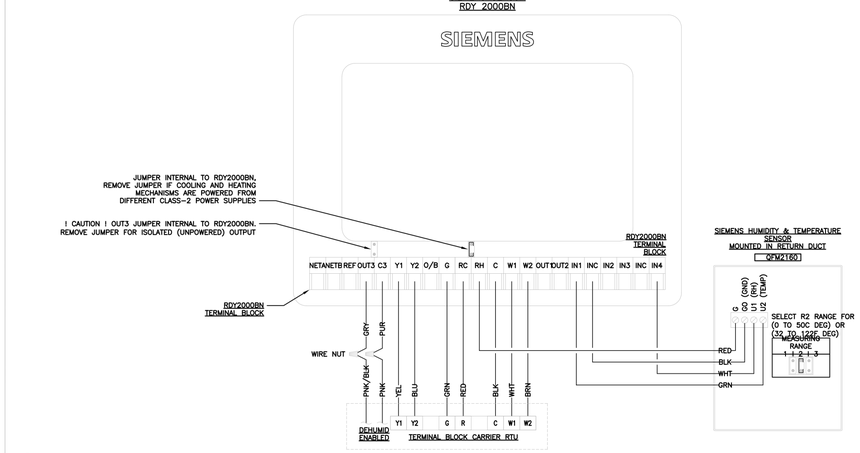


DEH 1 DEHUMIDIFICATION CONTROLS – CARRIER 50TC 08-14 or CARRIER 50LC
NO SCALE



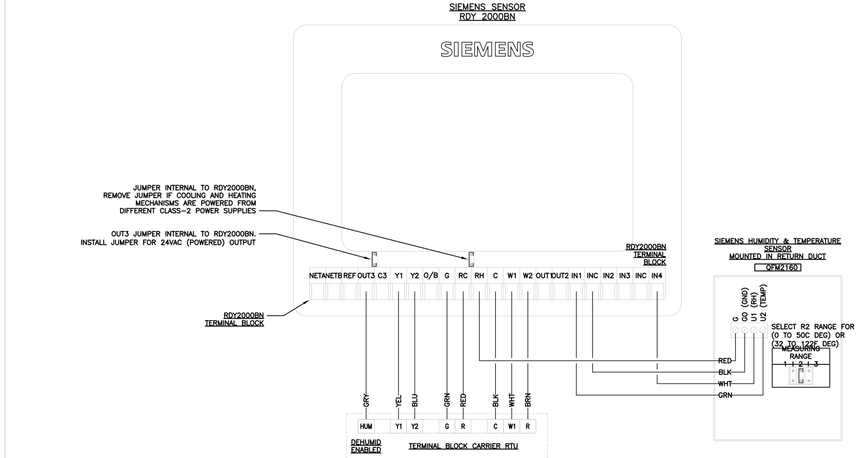
DEH 2 DEHUMIDIFICATION CONTROLS – CARRIER 50FC 03-07
NO SCALE

SIEMENS SENSOR
RDY 2000BN



RDY 1 RDY2000BN TO CARRIER 50TC 08-14 or CARRIER 50LC
NO SCALE

SIEMENS SENSOR
RDY 2000BN



RDY 2 RDY2000BN TO CARRIER 50FC 03-07
NO SCALE

GENERAL NOTES		
1	! IMPORTANT SETTING ! SET FAN CONTROL TO ON BY SELECTING THE FAN ICON LOCATED ON THE HOME SCREEN. NOTICE: IN ORDER TO CHANGE THIS SETTING, PARAMETER P211 "KEYPAD LOCKOUT" MUST BE SET TO OFF.	
2	! IMPORTANT SETTING ! FOR AUTOMATIC SWITCHING BETWEEN HEATING AND COOLING – SET HEATING/COOLING MODES TO AUTO BY SELECTING THE MODE SELECTOR ICON LOCATED ON THE HOME SCREEN. NOTICE: IN ORDER TO CHANGE THIS SETTING, PARAMETER P211 "KEYPAD LOCKOUT" MUST BE SET TO OFF.	
3	PASSWORD SETTINGS INSTRUCTIONS: STEP 1. TOUCH THE CENTER OF THE HOME SCREEN. STEP 2. PRESS THE SETTINGS ICON. STEP 3. PRESS THE LEFT ARROW. STEP 4. PRESS INSTALLER. STEP 5. USING THE LOWER LEFT AND RIGHT ARROWS, ENTER THE PASSWORD.	STEP 6. PRESS PASSWORD TO ACCEPT THE PASSWORD AND RETURN THE UNIT TO THE SETUP MENU. – NOTE: THE EXPERT LEVEL DEFAULT PASSWORD IS 99:99 – NOTE: THE INSTALLER PASSWORD IS 00:00 STEP 7. SET PARAMETER. STEP 8. PRESS THE SETTINGS ICON TO ACCEPT CHANGES AND RETURN THE UNIT TO THE HOME SCREEN.
4	CONFIGURE RDY2000BN PARAMETERS AS INDICATED ON THE FOLLOWING TABLE. NOTE: RDY2000BN PARAMETERS NOT LISTED ON THE TABLE BELOW SHALL KEEP THEIR DEFAULT VALUES.	

PARAMETER	DEFINITION	EXTENDED DEFINITION	VALUES	NOTES
P102	COOLING STAGES	SETS NUMBER OF COOLING STAGES	2 (DEFAULT)	CONFIGURE 1 OR 2 STAGES OF COOLING BASED ON MECHANICAL EQUIPMENT SCHEDULES ON SHEET M002
P103	HEATING STAGES	SETS NUMBER OF HEATING STAGES	2 (DEFAULT)	CONFIGURE AS REQUIRED BASED ON MECHANICAL EQUIPMENT SCHEDULES ON SHEET M002
P104	AUX HEATING STAGES	SETS NUMBER OF AUXILIARY HEAT STAGES	0 (DEFAULT)	CONFIGURE AS REQUIRED BASED ON MECHANICAL EQUIPMENT SCHEDULES ON SHEET M002
P105	FAN OPERATION	ELE = FAN RELAY ENERGIZED ON CALL FOR HEAT GAS = FAN RELAY ALWAYS ENERGIZED UNLESS AUX HEAT CALLS FOR HEAT	SET TO GAS	CONFIGURE AS REQUIRED BASED ON MECHANICAL EQUIPMENT SCHEDULES ON SHEET M002
P107	SCHEDULER DAYS	1 = SCHEDULE ALL DAYS WITH SAME SCHEDULE 2 = ONE SCHEDULE FOR M–F AND ANOTHER FOR SAT + SUN 3 = ONE SCHEDULE FOR M–F, SAT + SUN SCHEDULE INDIVIDUALLY 7 = SCHEDULE EACH DAY INDIVIDUALLY OFF = SCHEDULE DISABLED	SET TO OFF	
P201	HEAT TEMP LIMIT	SETS MAXIMUM ALLOWABLE HEATING SETPOINT	SET TO 68F	
P202	COOL TEMP LIMIT	SETS MINIMUM ALLOWABLE COOLING SET POINT	SET TO 72F	
P211	KEYPAD LOCKOUT	OFF = NO LOCKOUT 2 = PARTIAL LOCKOUT (ONLY TEMP SETPOINT CAN BE ADJUSTED) 3 = TOTAL LOCKOUT	SET TO 3	NOTICE: BY SETTING THIS VALUE TO 3, ACCESS TO CHANGING PARAMETERS VIA THE HOME SCREEN WILL BE COMPLETELY DISABLED.
P220	HEATING SETPOINT COMFORT	NORMAL OCCUPIED HEATING SETPOINT	SET TO 68F	
P221	COOLING SETPOINT COMFORT	NORMAL OCCUPIED COOLING SETPOINT	SET TO 72F	
P301	CONFIGURABLE INPUT 1 (IN1)	1 = INDOOR TEMPERATURE (REMOTE) 2 = INDOOR TEMPERATURE (AVERAGE) 3 = SUPPLY TEMPERATURE 4 = RETURN TEMPERATURE 5 = OUTDOOR TEMPERATURE 6 = HUMIDITY (0–10V) 7 = CO2 (0–10V) 8 = OCCUPANCY (DI) OFF = NOT USED	SET TO 1	
P302	TEMPERATURE INPUT 1 TYPE	1 = TYPE 2 THERMISTOR 2 = 0–10V	SET TO 2	
P303	TEMPERATURE INPUT 1 LOW	CALIBRATES THERMOSTAT TO LOW END OF TEMP SENSOR SIGNAL (E.G., 0V = –40F)	SET TO 30	
P304	TEMPERATURE INPUT 1 HIGH	CALIBRATES THERMOSTAT TO HIGH END OF TEMP SENSOR SIGNAL AT 10 VOLTS (E.G., 10V = –250F)	SET TO 120	
P313	CONFIGURABLE INPUT 4 (IN4)	1 = INDOOR TEMPERATURE (REMOTE) 2 = INDOOR TEMPERATURE (AVERAGE) 3 = SUPPLY TEMPERATURE 4 = RETURN TEMPERATURE 5 = OUTDOOR TEMPERATURE 6 = HUMIDITY (0–10V) 7 = CO2 (0–10V) 8 = OCCUPANCY (DI) 9 = FAULT OFF = NOT USED	SET TO 6	
P319	AUX OUTPUT 3 (OUT3 & C3)	1 = HUMIDIFICATION 2 = DEHUMIDIFICATION 3 = OCCUPIED 4 = AIR QUALITY 5 = ECONOMIZER ENABLE OFF = NOT USED	SET TO 2	
P320	INDEPENDENT HUMIDITY CONTROL	NO = HUMIDIFICATION & DEHUMIDIFICATION ONLY WHEN HEATING OR COOLING RELAY IS ENERGIZED YES = HUMIDIFICATION OR DEHUMIDIFICATION INDEPENDENT OF HEATING/COOLING	SET TO YES	
P407	INSTALLER PASSWORD		LOCK AND LEAVE DEFAULT PASSWORD	

RDY 3 RDY2000BN CONFIG SETTINGS
NO SCALE

Description: RDY2000BN WIRING DETAILS
Drawing File Name/Origin: RaceTrac HVAC Controls.dwg

Project: RACETRAC HVAC CONTROLS
Date: 8/31/22
Scale: NTS

SIEMENS
9225 BEE CAVES ROAD, BLDG. B, SUITE 100, AUSTIN, TEXAS 78733
Phone: 512-421-6257

REVISIONS

#	DESCRIPTION	DATE	BY
0	Initial Release	11/29/22	MS

Dwg. RDY2000BN SHEET 1 OF 1

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DESIGN PROFESSIONALS

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

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RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
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PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

FOR REFERENCE ONLY

PROJECT NUMBER
2023157.20

SHEET TITLE
MECHANICAL RTU WIRING DIAGRAM

SHEET NUMBER
M432

PLUMBING NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH 2018 IPC, APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
2. PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS.
3. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMAN LIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL. ALL EXCAVATION AND BACKFILL, AS REQUIRED FOR THIS PHASE OF CONSTRUCTION, SHALL BE A PART OF THIS CONTRACT.
4. REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
5. PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTS, PLUMBING CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
6. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS
7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO THE ENGINEER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
8. VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
9. WATER DISTRIBUTION PIPING EXPOSED ABOVE GROUND AND BELOW GROUND SHALL BE ASTM B88 TYPE "L" COPPER. WATER DISTRIBUTION PIPING CONCEALED IN WALLS AND ABOVE CEILINGS SHALL BE ASTM D2846 CPVC, APPROVED FOR POTABLE WATER USAGE. COORDINATE WITH LOCAL JURISDICTION FOR ADDITIONAL REQUIREMENTS.
10. DRAIN AND MANIFOLD PIPING UNDER 1-COMPARTMENT AND 3-COMPARTMENT SINKS SHALL BE TYPE "L" COPPER.
11. SOIL, WASTE, AND VENT PIPING SHALL BE NO HUB ASTM A74 CAST IRON OR ASTMD 2665 PVC, WHERE CODE ALLOWS. PVC MAY NOT BE USED THRU RATED FIRE ASSEMBLIES OR IN AIR PLENUMS.
12. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
13. FURNISH AND INSTALL APPROVED WATER HAMMER ARRESTORS AS SHOWN ON DOMESTIC WATER ISOMETRIC, SIZED AND LOCATED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WH-PDI 201.
14. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
15. ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PADS OR MATERIAL.
16. PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
17. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND ALL WATER HAMMER ARRESTORS. ACCESS PANELS IN FIRE RATED WALLS MUST MAINTAIN THE SAME RATING AND MUST MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.
18. PROVIDE COMBINATION COVER PLATE AND CLEANOUT PLUG OR ACCESS PANEL FOR ALL WALL CLEANOUTS FINISH TO MATCH FIXTURE TRIM.
19. ALL ISOLATION VALVES SHALL BE TAGGED AND MARKED. A REPRODUCIBLE DIAGRAM LOCATING ALL VALVES SHALL BE PROVIDED FOR OWNER/OPERATOR.
20. ALL CONDENSATE DRAIN PIPING SHALL BE TYPE "L" COPPER WITH 1/2" ARMAFLEX INSULATION. PVC PIPING WITH ARMAFLEX INSULATION MAY BE USED IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATION OF PIPING.
21. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.
22. WATER PIPING INSULATION SHALL BE 1" ARMAFLEX INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS FOR ALL HOT WATER PIPING. ALL COLD WATER PIPING SHALL BE INSULATED WITH 1/2" ARMAFLEX INSULATION, PER 2015 IECC.
23. PLUMBING CONTRACTOR SHALL COORDINATE INVERT ELEVATION OF EXISTING SANITARY WASTE DRAINAGE PIPING WITH NEW PIPING PRIOR TO INSTALLATION.
24. GENERAL CONTRACTOR TO SEAL ALL PENETRATIONS IN WALLS AND CEILINGS.
25. GENERAL CONTRACTOR TO PROVIDE AND INSTALL QUICK CONNECTIONS / ISOLATION VALVES AT ALL BEVERAGE MACHINES.
26. INDIRECT DRAIN LINES FROM FOUNTAINS, ICE MACHINES, COLD PANS, & OTHER REFRIGERATED MACHINES SHALL BE INSULATED.
27. CONDENSATE LINES IN COOLERS AND FREEZERS SHALL BE INSULATED. INSTALL HEAT TRACE FOR CONDENSATE LINES IN FREEZER.

SLOPE OF HORIZ. DRAINAGE PIPE

SIZE (inches)	MINIMUM SLOPE (inch per foot)
2-1/2 or less	1/4
3 to 6	1/8
8 or larger	1/16
PER THE 2018 INTERNATIONAL PLUMBING CODE.	

SHOCK ARRESTOR SCHEDULE

P.D.L. DESIGNATION	MANUF. & MODEL	FIXTURE UNITS	CONNECTION
A	SIOUX CHIEF 652-A	1-11	1/2"
B	SIOUX CHIEF 653-B	12-32	3/4"
C	SIOUX CHIEF 654-C	33-60	1"
SIOUX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.			

WATER HEATER RECOVERY CALCULATION

FIXTURE	DEMAND (GPH)	QUANTITY	TOTAL (GPH)	NOTES
LAVATORY	6.0	7	42	0.50 GPM AERATOR
HAND SINK	10.0	2	20	0.50 GPM AERATOR
3-COMP SINK	60.0	1	60	2.20 GPM AERATOR
1-COMP SINK	15.0	1	15	2.20 GPM AERATOR
MOP SINK	20.0	1	20	2.20 GPM AERATOR
			157	

157 GPH x 0.30 USAGE FACTOR = 47.1 GPH RECOVERY

47.1 - GPH x 0.9 STORAGE FACTOR = 43 GAL TANK MINIMUM, 50 GAL TANK PROVIDED.

18,000 WATTS = 82.6 GPH RECOVERY PROVIDED.
2.42 x 90 F TEMP. RISE

CONTRACTOR PROVIDED PLUMBING FIXTURE SCHEDULE

FD-1	ADJUSTABLE ON-GRADE FLOOR DRAIN, SQUARE, SIOUX CHIEF MODEL #832-35PNQ
FD-2	ADJUSTABLE ON-GRADE FLOOR DRAIN, ROUND, SIOUX CHIEF MODEL #832-35PNR
FS-1	12"X12"X10" DEEP SQUARE GRATE FLOOR SINK WITH DOME STRAINER, JOSAM MODEL #49360A-NB-3
FS-2	12"X12"10" DEEP SQUARE GRATE FLOOR SINK WITH DOME STRAINER, JOSAM MODEL #49360A-3
FS-3	8"X8"6" DEEP SQUARE GRATE FLOOR SINK WITH DOME STRAINER, JOSAM MODEL #49302-LF
TP	TRAP PRIMER, PRECISION PLUMBING PRODUCTS MODEL #PT-6. 120VAC REQUIRED.
HYD	WALL HYDRANT TO BE ZURN MODEL #Z1320-C WITH BOX, 6" WALL THICKNESS, 3/4" STRAIGHT INLET CONNECTION, ANTI-SIPHON, FREEZLESS
HYD-R	NON-FREEZE ROOF HYDRANT JAY R SMITH MODEL 5906-H, 3/4" INLET CONNECTION, 1/8" DRAIN HOLE
RECIRC PUMP	BELL AND GOSSETT RECRIC. PUMP. MODEL NBF-22U, 115V, 100 WATT, WITH AQUASTAT. (HWRP-1)
FCO	FINISHED FLOOR CLEANOUT, ZURN Z1440-NH, CLEANOUT FERRULE W/BRONZE PLUG.
WCO	WALL CLEANOUT, ZURN MODEL #ZS1468 W/STAINLESS STEEL ACCESS COVER AND PLUG.
GCO	GRADE CLEANOUT, WADE MODEL #6000-12
MV-1 MIXING VALVE	ZURN MODEL P6900-TMV-1 WITH 3/8" INLETS/ OUTLETS, INTEGRAL CHECK VALVES AND STRAINER SCREEN, MIN. FLOW 0.50 GPM, MEETS ASSE 1070.
HD-1	ADJUSTABLE HUB DRAIN, ROUND, SIOUX CHIEF MODEL #832-3HHD
BFP-1	ZURN MODEL 740 ASSE 1022 DUAL CHECK VALVE

GENERAL NOTES:

(1) - FIXTURES SHALL BE AS SHOWN.
(2) - ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF IPC 2018.
(3) - ALL FIXTURES TRIM PACKAGES INCLUDING BUT NOT LIMITED TO TRAP, ANGLE STOP, FLUSH VALVE, SUPPLY TUBES, AND CLEANOUT COVER PLATES SHALL BE POLISHED CHROME FINISH THE SAME AS ZURN Z6930 FAUCET AND PER ARCHITECTURAL FINISH SCHEDULE.
(4) - ALL FIXTURES SHALL BE ROUGHED IN PER MANUFACTURER CUT SHEET TO MAINTAIN UNIFORMITY.

PLUMBING LEGEND

FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
GCO	GRADE CLEAN OUT
S.O.V	SHUT-OFF VALVE
FD	FLOOR DRAIN
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RECIRCULATING
HB	HOSE BIB
VTR	VENT THRU ROOF
	BALL VALVE
	GLOBE VALVE
	BALANCING VALVE
#	WATER HAMMER ARRESTER (PDI No.)
FD	FLOOR DRAIN
FS	FLOOR SINK

	SANITARY SEWER PIPING
GW	GREASE WASTE PIPING
	VENT PIPING
CW	DOMESTIC COLD WATER PIPING
HW 110°F	HOT WATER PIPING (110)
HW 140°F	HOT WATER PIPING (140)
HWR	HOT WATER RECIRCULATING PIPING
CD	CONDENSATE PIPING
FW	FILTERED WATER PIPING
FWPH	FILTERED WATER PHOSPHATE PIPING
	PIPE RISE UP
	PIPE DOWN OR DROP
	CAPPED END OF PIPE
	P-TRAP

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

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PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON M. MARZLEY
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

PLUMBING NOTES AND LEGENDS

SHEET NUMBER

P001

PLUMBING EQUIPMENT SCHEDULE

ITEM NO.	RISER TAG	QTY.	DESCRIPTION	FURN. BY	INST. BY	MANUFACTURER	MODEL	ELECTRICAL DATA			PLUMBING DATA									REMARKS
								VOLT	PH	LOAD	CW	HW (110º)	HW (140º)	FW	FWP H	W	IW	FD	FS	
2000 SERIES – BUILDING PLUMBING																				
2002	LAV	5	VANITY SINKS	RT	GC	KOHLER	K-2611	120 V	1	VERIFY	1/2"	1/2"	-	-	-	1 1/2"	-	-	-	FAUCET: ZURN Z6930-XL-F-CWB-TMV-1
2003	HLAV	2	LAVATORY FOR ACCESSIBLE STALLS (HARD WIRED FAUCET)	RT	GC	ZURN	Z5341	120 V	1	VERIFY	1/2"			-	-	1 1/2"	-	-	-	FAUCET: ZURN Z6930-XL-F-CWB-TMV-1
2004	UR	3	URINAL	RT	GC	ZURN	Z5755-U	120 V	1	VERIFY	3/4"	-	-	-	-	2"	-	-	-	FLUSH VALVE: ZURN ZEMS6003AV-ULF-VP
2005	MS	2	MOP SINK FAUCET	RT	GC	ZURN	Z1996-SF				1/2"	-	1/2"	-	-	3"	-	-	-	PROVIDE FD-2 FOR MS
2008	WF	1	WATER FILTER SYSTEM	RT	GC	EVERPURE	ENDURANCE HIGH FLOW QUADRUPLE: EV9692-65				3/4"	-	-	3/4"	3/4"	-	-	-	-	XC PLUS SYSTEM GC SHALL VERIFY REQUIRED WATER PRESSURE FOR WATER FILTER SYSTEM WITH FILTER MANUFACTURER AND PROVIDE BOOSTER PUMP AS REQUIRED
2014	HR	1	HOSE REEL	RT	GC	REELCRAFT	5635 OLPSW51LW 2				3/4"	-	-	-	-	-	-	-	-	-
2019	WC	5	WATER CLOSET	RT	GC	ZURN	Z5665-BWL WITH TOP SPUD AND Z5955SS-EL	120 V	1	VERIFY	1"	-	-	-	-	3"	-	-	-	FLUSH VALVE: ZURN ZEMS6000AV-WS1
2020	WF	2	BEAN TO CUP WATER FILTER	RT	GC	3M	HF40-S				3/4"	-	-	-	-	-	-	-	-	CUNO MODEL #6213003 FILTER PROVIDED BY RT
2024	HS	3	HAND SINK	RT	GC	SPG	EHS-1RL				1/2"	1/2"	-	-	-	1 1/2"	-	-	-	-
2027	SK3	1	THREE COMPARTMENT SINK	RT	GC	SPG	SKS-003030-01				3/4"	-	3/4"	-	-	-	2"	-	4"	T&S BRASS B231 FAUCET AND T&S BRASS B-0133-B SPRAYER
2028	SK1	1	ONE COMPARTMENT SINK	RT	GC	SPG	1N-20-20				3/4"	-	3/4"	-	-	-	2"	-	3"	T&S BRASS B231 FAUCET.
3000 SERIES – ELECTRICAL EQUIPMENT WITH PLUMBING																				
3004	-	2	10 HEAD SODA FOUNTAIN	RT	VENDOR	CORNELIUS	ENDURO 200	120 V	1	3.5 A	-	-	-	3/8"	-	-	3/4"	-	2"	-
3005		3	POST MIX SODA SYSTEM	RT	VENDOR	CORNELIUS	UCC-40	120 V	1	14.6 A	-	-	-	3/8"	-	-	-	-	-	-
3008	-	1	CAPPUCCINO DISPENCER - 5 HEAD	RT	GC	BUNN	IMIX-5	120 V	1	15 A	-	-	-	-	1/4"	-	-	-	-	-
3011		2	COMBI OVEN STEAMER	RT	GC	CLEVELAND	MINI OES 6.10	208 V	3	17.9 A	3/4"	-	-	-	3/4"	-	1 1/2"	-	3"	WATER LINE TO FIT STANDARD 3/4 INCH GARDEN HOSE THREADED CONNECTOR ON STREAMER
3013	EWH	1	WATER HEATER (50 GAL - SHORT)	RT	GC	RHEEM	ES50-18-G	208 V	3	50.0 A	-	-	-	-	-	-	-	-	-	-
3014	-	2	FCB VIPER (FROZEN CARBONATED BEVERAGE)	RT	VENDOR	FBD	774	208 V	1	30.0 A	-	-	-	3/8"	-	-	-	-	2"	GC PROVIDES 3/4 INCH (CU) W/BALL VALVE - FILTERED NEMA L6-30R. FIXTURE TO HAVE BASE CART 12-2899-0001
3017	-	4	BEAN TO CUP COFFEE MACHINE	RT	GC	SCHAERER	ART C TOUCH 3G	208 V	1	20 A	-	-	-	3/8"	-	-	-	-	-	-
3022	-	1	BEAN TO CUP COFFEE MACHINE	RT	GC	SCHAERER	ART C TOUCH	208 V	1	20 A	-	-	-	3/8"	-	-	-	-	-	-
3032	-	1	FRESH BLENDER	RT	VENDOR	MULTIPLEX	FRESH BLENDS	120 V	1	20 A	-	-	-	3/8"	-	-	3/4"	-	3"	-
3033		2	TEA BREWER	RT	VENDOR	BUNN	ITB DUAL DILUTION	120 V	1	14 A	-	-	-	-	1/4"	-	-	-	-	-
4000 SERIES – REFRIGERATION																				
4001	-	19	COOLER #1 DISPLAY DOOR	RT	GC	ANTHONY	INFINITY	120 V	1	VERIFY	-	-	-	-	-	-	-	-	-	HANDLES
4013	-	1	ICE MAKER (CRUSHED/NUGGET)	RT	VENDOR	ICE-O-MATIC	GEM0956R	208 V	1	15.3 A	-	-	-	-	3/8"	-	3/4"	-	2"	-
4025	-	3	FROZEN YOGURT DISPENSER	RT	GC	STOELTING	F231-AD1	208 V	1	12.0 A	-	-	-	-	-	-	2" N.P.T.	-	3'	FLEXIBLE PIPING AND MANIFOLD BY VENDOR
4044	-	1	UNDERCOUNTER FREEZER	RT	VENDOR	TURBO AIR	MUF-28	120 V	1	5.3	-	-	-	-	3/8"	-	3/4"	-	2"	-
4075	-	1	BEER CAVE VAULT DOOR - BREAKAWAY	RT	GC	ANTHONY	INFINITY	120 V	1	VERIFY										FROSTING & SIGNAGE BY OTHERS
4087	-	1	ICE MACHINE/DISPENSER	RT	GC	FOLLETT	15CI100A-NW -NF-ST-00	115 V	1	5	-	-	-	-	3/8	-	-	-	-	-
4131	-	1	YOGURT MACHINES CHILLER - PAK	RT	GC	AIRDYNE	C20AR448A	208 V	3	18.5 A	-	-	-	-	-	-	-	-	-	-
4174	-	2	NON-ALCH COOLER CONDENSER	RT	GC	BOHN	BCH0030MCA CZA0400	208 V	3	20.6 MCA	-	-	-	-	-	-	-	-	-	-
4175	-	2	BEER COOLER EVAPORATOR	RT	GC	BOHN	BEC0120BS6 EMA	208 V	1	11.76 A	-	-	-	-	-	-	-	-	-	-
4176	-	2	NON-ALC. COOLER EVAPORATOR	RT	GC	BOHN	BEC0175AS7 AMAB0200	120 V	1	2.52 A	-	-	-	-	-	-	-	-	-	-
4177	-	1	BEER COOLER CONDENSER	RT	GC	BOHN	BCH0008MCA CZA0400	208 V	3	15 MCA	-	-	-	-	-	-	-	-	-	-
4178	-	1	WALK-IN COOLER EVAPORATOR	RT	GC	BOHN	BEC0065AS7 AMAB0200	120 V	1	0.84 A	-	-	-	-	-	-	-	-	-	-
4179	-	1	FREEZER CONDENSER	RT	GC	BOHN	BCH0035LCA CZA0400	208 V	3	20 MCA	-	-	-	-	-	-	-	-	-	-
4180	-	1	FREEZER EVAPORATOR	RT	GC	BOHN	BEC0075BS6 EMAB0200	208 V	1	9.54 A	-	-	-	-	-	-	-	-	-	-
4181	-	1	ICE MAKER (CUBER)	RT	VENDOR	ICE-O-MATIC	CIMO836R	208 V	1	12.3 A	-	-	-	-	3/8"	-	3/4"	-	2"	-
4182	-	1	ICE MAKER REMOTE CONDENSER (CUBER)	RT	VENDOR	ICE-O-MATIC	RCA2061	208 V	1	VERIFY	-	-	-	-	-	-	-	-	-	SERVES 4181 UNITS
4183	-	1	ICE MAKER REMOTE CONDENSER (NUGGET)	RT	VENDOR	ICE-O-MATIC	RGA1061-HM	208 V	1	VERIFY	-	-	-	-	-	-	-	-	-	SERVES 4013 UNITS
4189	-	1	UNDERCOUNTER REFRIGERATOR	RT	VENDOR	TURBO AIR	MUR-36-N6	120 V	1	2.3	-	-	-	-	-	-	-	-	-	-
4190	-	1	PIZZA PREP TABLE	RT	VENDOR	TURBO AIR	TPR-44SD-D2 -N	120 V	1	3.2	-	-	-	-	-	-	-	-	-	-
4191	-	1	4-WAY AMBIENT COOLER	RT	VENDOR	MILLWORK	CUSTOM				-	-	-	-	-	-	-	-	-	-

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

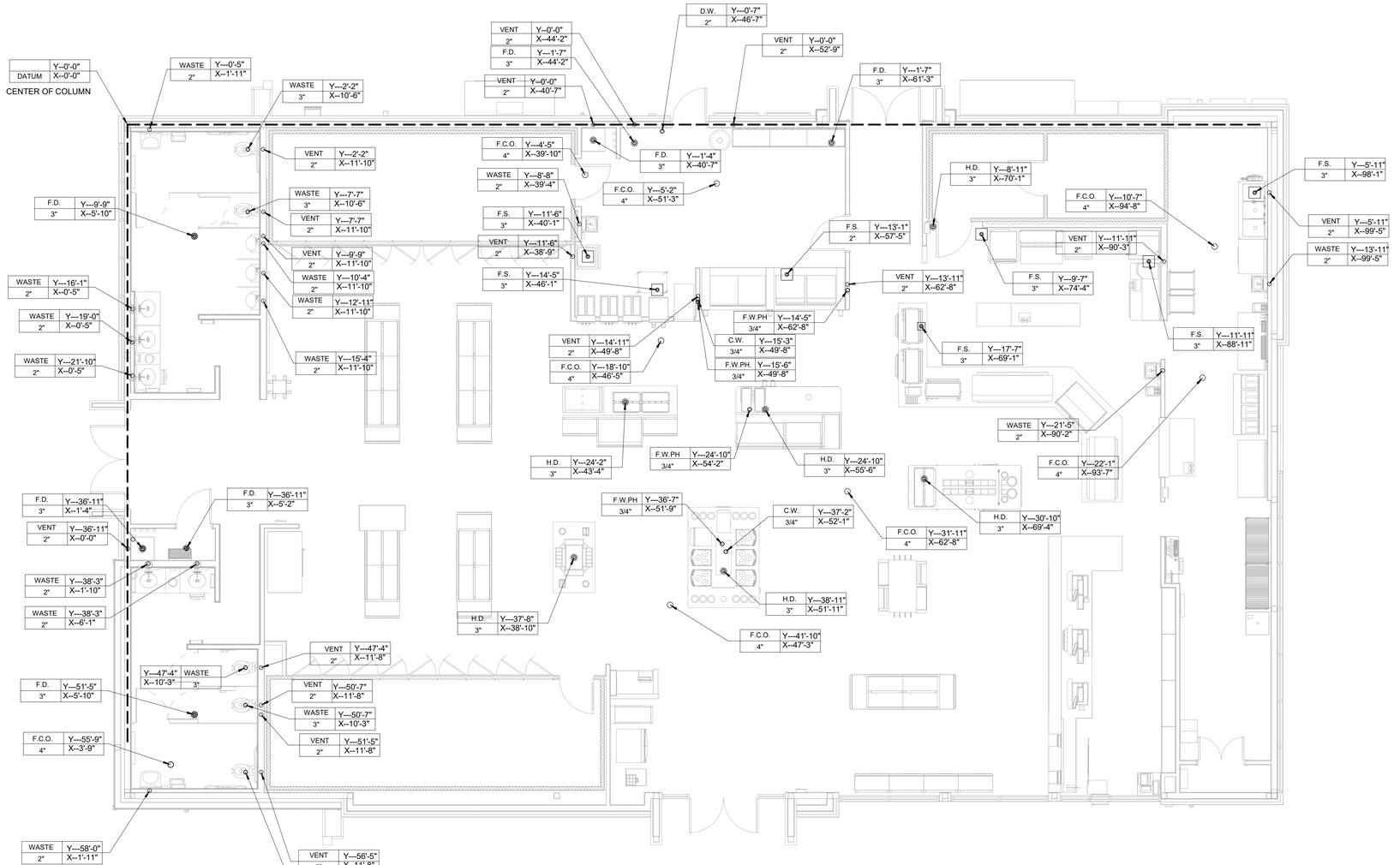
PROJECT NUMBER
2023157.20

SHEET TITLE

PLUMBING EQUIPMENT SCHEDULE

SHEET NUMBER

P002



1 PLUMBING ROUGH-IN
3/16" = 1'-0"

LEGEND

C.W. - COLD WATER
D.W. - DOMESTIC WATER SERVICE
F.C.O. - CLEAN OUT
F.D. - FLOOR DRAIN
F.S. - FLOOR SINK
F.W.PH. - FILTERED WATER PHOSPHATE
F.W - FILTERED WATER
H.D. - HUB DRAIN
H.S. - HAND SINK
M.S. - MOP SINK

DATUM POINT REFERENCE

X. DIMENSIONS (HORIZONTAL) ARE TAKEN FROM THE CENTER OF COLUMN INDICATED BY THE DATUM POINT.

Y DIMENSIONS (VERTICAL) ARE TAKEN FROM THE CENTER OF COLUMN INDICATED BY THE DATUM POINT.

LEGEND

DESCRIPTION/ EQUIPMENT#
Y (VERTICAL) DIMENSION FROM DATUM POINT.
F.S. 3" Y---42'-10" X--18'-7"
PIPE SIZE
X (HORIZONTAL) DIMENSION FROM DATUM POINT.

1. WALL MOUNTED DEVICES ARE DIMENSIONED TO WALL.
2. CEILING AND FLOOR MOUNTED DEVICES AND/OR PENETRATIONS ARE DIMENSIONED TO THE CENTER OF THE DEVICE/PENETRATION.

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON MARTINEZ
09/15/23

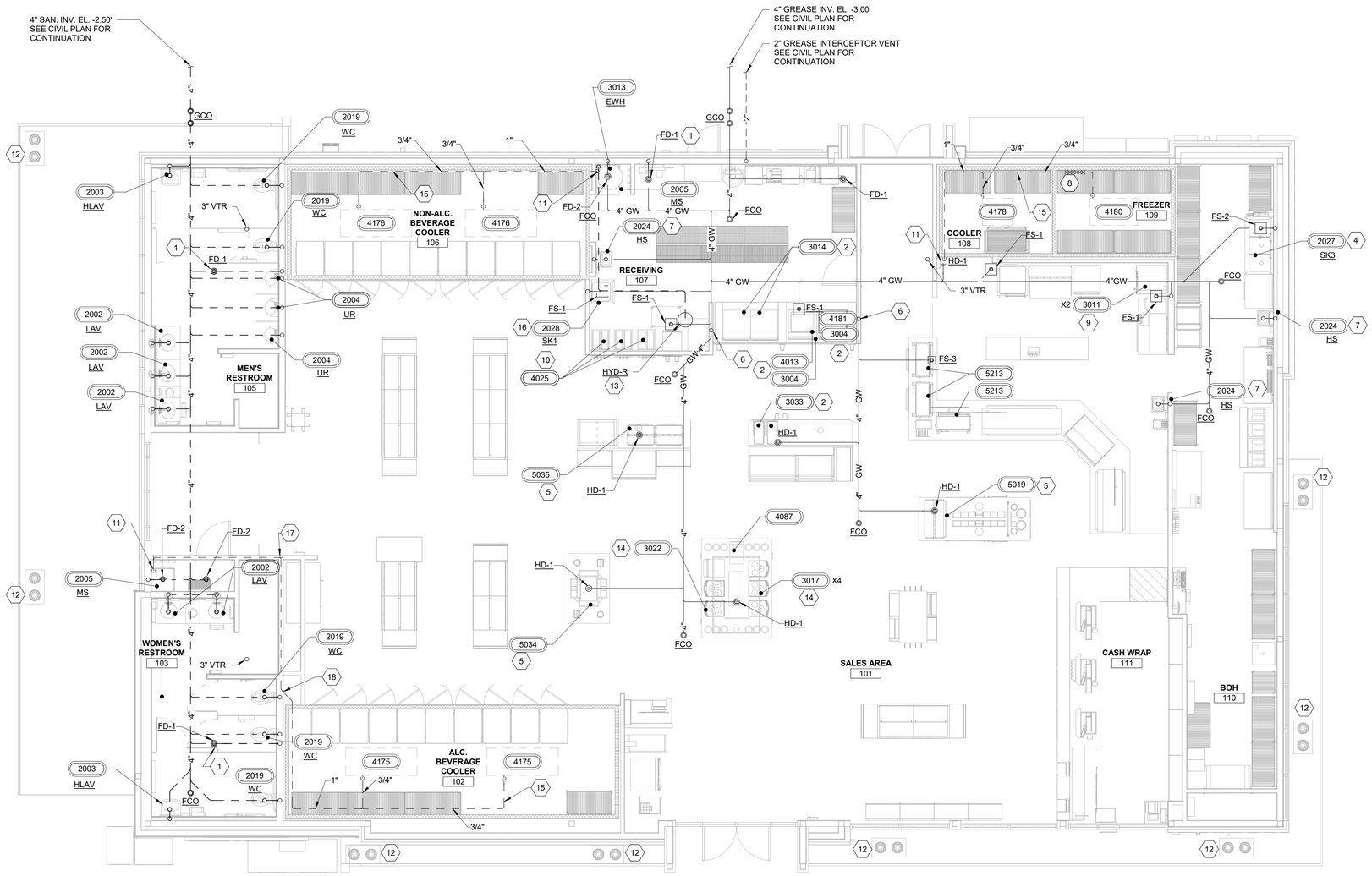
PROJECT NUMBER
2023157.20

SHEET TITLE

PLUMBING ROUGH-IN PLAN

SHEET NUMBER

P100



1 SANITARY PLAN
3/16" = 1'-0"

GENERAL NOTES

1. REFER TO SANITARY ISOMETRICS, SHEET P410, FOR SANITARY AND VENT PIPING SIZES.
2. CONTRACTOR TO COORDINATE SANITARY BUILDING SEWER DRAIN AND GREASE WASTE DRAIN CONNECTIONS WITH CIVIL/SITE CONTRACTOR. VERIFY EXISTING SEWER ELEVATION IS ADEQUATE FOR GRAVITY DRAINAGE SEWER SYSTEM FOR BUILDING. CONTACT ENGINEER OF RECORD IF EXISTING SEWER INVERT ELEVATION WILL NOT SUPPORT A GRAVITY DRAINING SYSTEM.
3. ROUTE ALL DRAIN LINES AND CONDENSATE LINES FROM EQUIPMENT TO NEAREST FLOOR SINK WITH APPROVED AIR GAP.
4. REFER TO SHEET M200 FOR RTU CONDENSATE PIPING.

SHEET KEYNOTES

1	SEE SHEET P001 FOR TRAP PRIMER MAKE AND MODEL RUN 1/2" SOFT "K" COPPER TUBING BELOW FLOOR TO PRIMER FITTING AAT FLOOR DRAIN TRAP FOR FLOOR DRAINS. SEE DETAIL 1/P431
2	INDIRECT DRAIN LINES FROM DRAIN PANS TO BE CPVC & ROUTED TO FLOOR SINK WITH AIR GAP. SEE DETAIL 2/P431.
3	NOT USED.
4	COPPER INDIRECT DRAIN FROM MANIFOLD FROM 3-COMP SINK TO FLOOR SINK WITH AIR GAP.
5	INDIRECT DRAIN LINES FROM EQUIPMENT ROUTED TO HUB DRAIN WITH AIR GAP.
6	DRY VENT TO CONNECT TO TOP OF COMBINATION DRAIN AND VENT PIPE. ROUTE AT A MAXIMUM OF 45° FROM VERTICAL, TYPICAL.
7	DIRECT DRAIN FROM HAND SINK TO WASTE LINE AS SHOWN.
8	3/4" DRAIN FROM FREEZER EVAPORATOR TO HUB DRAIN. HEAT TRACE AND INSULATE DRAIN LINE IN FREEZER. PROVIDE AIR GAP AT END OF DRAIN TO FLOOR SINK.
9	DRAIN PIPING FROM THE COMBI OVEN/STEAMER TO BE PROVIDED BY P.C. DRAIN PIPING SHALL BE CPVC. SEE DETAIL 7/P431.
10	1/2" INDIRECT DRAIN FROM YOGURT MACHINES TO FLOOR SINK WITH AIR GAP
11	1" COOLER/FREEZER CONDENSATE DOWN ALONG COOLER WALL TO MOP SINK WITH REQUIRED AIR GAP.
12	ROOF DRAIN PROVIDED BY CONTRACTOR. ROOF DRAIN TERMINATES TO DOWNSPOUT.
13	ROUTE 1/2" INDIRECT DRAIN FROM NON-FREEZE ROOF HYDRANT TO MOP SINK WITH REQUIRED AIR GAP.
14	INDIRECT DRAIN LINES FROM BEAN TO CUP COFFEE MACHINE TO BE CPVC & ROUTED TO FLOOR SINK WITH AIR GAP. SEE DETAIL 8/P431 FOR MORE INFORMATION.
15	ROUTE CONDENSATE DRAIN FROM EVAPORATORS AS CLOSE TO CEILING AS POSSIBLE. CONDENSATE DRAIN SHALL HAVE 1/4" SLOPE PER FOOT.
16	COPPER INDIRECT DRAIN FROM MANIFOLD FROM 1-COMP SINK TO FLOOR SINK WITH AIR GAP.
17	PROVIDE CLEANOUT FOR CONDENSATE LINE AT CHANGE OF DIRECTION WITH ACCESS PANEL, TYPICAL. REFER TO SHEET A501 FOR ADDITIONAL INFORMATION.
18	BOTTOM OF CONDENSATE LINE TO BE AT 8'-3" (+/- 1" MAX).

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON M. MARZLEY
09/15/23

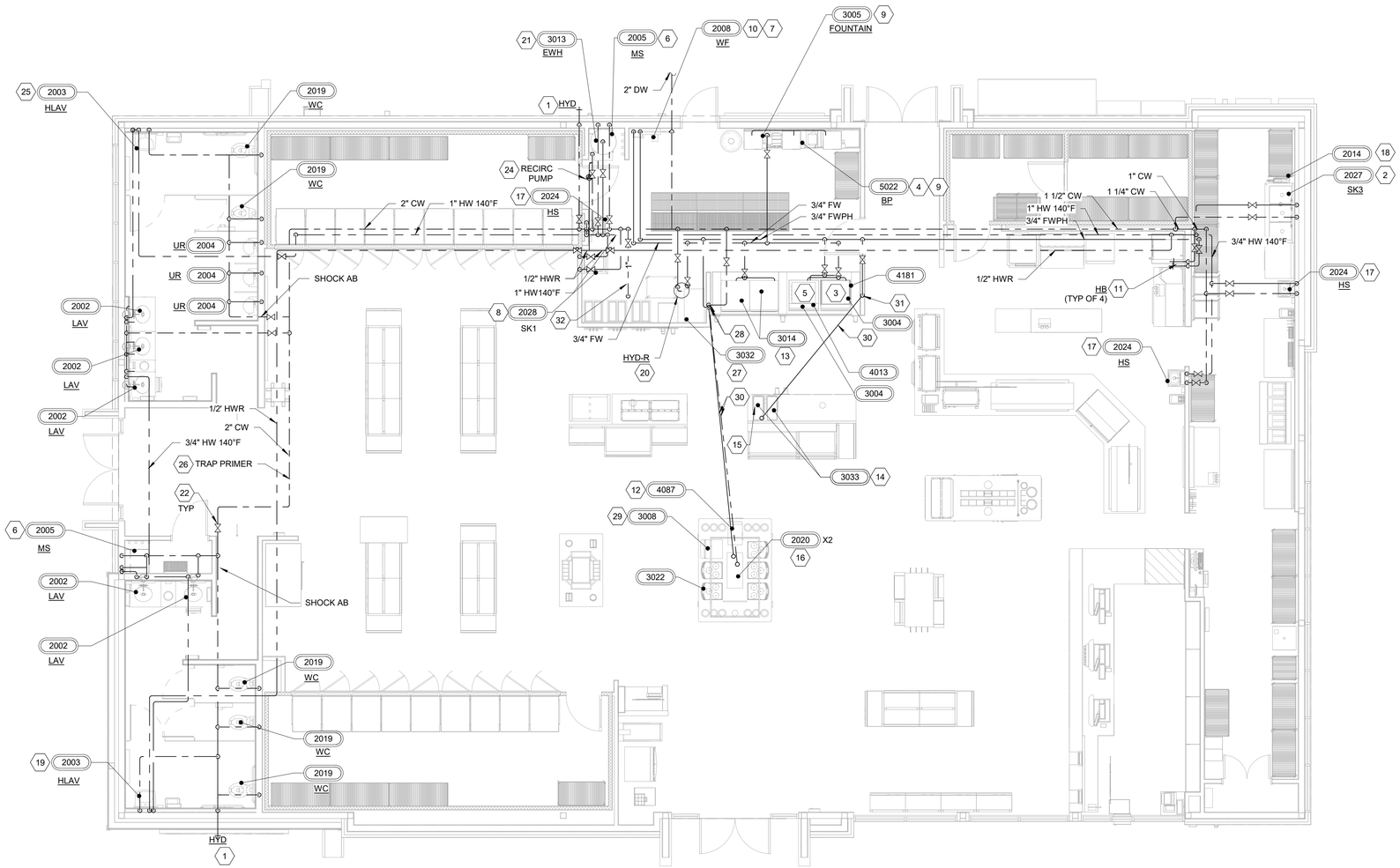
PROJECT NUMBER
2023157.20

SHEET TITLE

SANITARY PLAN

SHEET NUMBER

P110



1 DOMESTIC WATER PLAN
3/16" = 1'-0"

GENERAL NOTES

1. REFER TO DOMESTIC WATER ISOMETRIC, SHEET P410 FOR WATER LINE PIPE SIZES.
2. CONTRACTOR TO COORDINATE 2" DOMESTIC WATER SERVICE TO BUILDING WITH CIVIL/SITE CONTRACTOR. VERIFY ADEQUATE WATER PRESSURE IS AVAILABLE AT EXISTING PUBLIC WATER MAIN FOR THE BUILDING SYSTEM.
3. PROVIDE WATER LINES SIZED TO MEET THE PLUMBING FIXTURES AND EQUIPMENT CONNECTION SIZES, UNLESS NOTED OTHERWISE.
4. DOMESTIC WATER METERS PROPOSED TO BE IN PVC METER PITS EXTERNAL FROM THE BUILDING. COORDINATE LOCATION WITH CIVIL/SITE CONTRACTOR.

SHEET KEYNOTES

1	3/4" CW LINE DOWN IN WALL TO NON-FREEZE HYDRANT.
2	PROVIDE 3/4" CW AND HW TO 3-COMPARTMENT SINK FAUCET.
3	3/4" FILTERED/PHOSPHATE FED WATER TO ICE MACHINES. PIPING ROUTED OVERHEAD AND TERMINATE WITH BALL VALVE. G.C. TO TAG VALVE. CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE WITH BACKFLOW PREVENTER BFP-1.
4	3/4" FILTERED CW TO WATER BOOSTER.
5	3/4" FILTERED CW TO SODA BEVERAGE EQUIPMENT WITH STAINLESS STEEL BACKFLOW PREVENTER. TERMINATE WITH BALL VALVE. CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE WITH BACKFLOW PREVENTER BFP-1
6	PROVIDE 1/2" CW AND HW CONNECT TO MOP SINK FAUCET.
7	MOUNT WATER FILTERS ON WALL ABOVE BACKFLOW PREVENTER. REFER TO DETAIL 5/P430.
8	PROVIDE 3/4" CW AND HW TO 1-COMPARTMENT SINK FAUCET.
9	3/8" FILTERED CW FROM WATER BOOSTER TO FOUNTAIN EQUIPMENT.
10	MOUNT SCALE STICK (PHOSPHATE FEEDER) TO WALL ABOVE BACK FLOW PREVENTER. REFER TO 5/P430.
11	3/4" CW AND FILTERED/PHOSPHATE FED WATER TO HOSE BIBB AT 12" AFF AND 48" AFF FOR COMBI-OVEN STEAMERS. PROVIDE WITH BACKFLOW PREVENTER BFP-1
12	FWPH WATER SUPPLY TUBING FROM SHUTOFF AT 48" A.F.F. TO COFFEE MAKERS/HOT CAPPUCCINO SHALL BE FLEX NYLON BRAIDED FLEX TUBING AND SHALL BE NSF APPROVED. INSTALL SHUT-OFF VALVE AT EACH BEVERAGE UNIT. PROVIDE WITH BACKFLOW PREVENTER BFP-1. SEE DETAIL 8/P431 FOR MORE INFORMATION.
13	3/4" FILTERED CW TO FCB MACHINES. PIPING ROUTED OVERHEAD AND TERMINATE WITH BALL VALVE. G.C. TO TAG VALVE. CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE WITH BACKFLOW PREVENTER BFP-1
14	3/4" FILTERED/PHOSPHATE CW TO TEA BREWER. PIPING ROUTED OVERHEAD. GC TO INSTALL AND TAG SHUTOFF VALVE VISIBLE IN BACK ROOM. GC TO CONNECT TO ALL BEVERAGE EQUIPMENT. PROVIDE WITH BACKFLOW PREVENTER BFP-1.
15	3/4" FILTERED/PHOSPHATE CW TO TEA BREWER. PIPING ROUTED UP FROM BELOW SLAB AND TERMINATE WITH BALL VALVE. G.C. TO TAG VALVE. CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE WITH BACKFLOW PREVENTER BFP-1.
16	PROVIDE 3/4" CW UP FROM BELOW SLAB AND CONNECT TO BEAN TO CUP WATER FILTER IN CASEWORK. ROUTE 3/8" FILTERED CW FROM FILTER TO BEAN TO CUP COFFEE MACHINE. PROVIDE WITH BACKFLOW PREVENTER BFP-1 AND BALL VALVE. MAXIMUM OF 3 BEAN TO CUP COFFEE MACHINES PER FILTER. SEE DETAIL 8/P431 FOR MORE INFORMATION.
17	PROVIDE 1/2" CW AND HW DOWN IN WALL TO HAND SINK AND MIXING VALVE MV-1.
18	PROVIDE 1/2" CW DOWN TO HOSE REEL.
19	PROVIDE 1/2" CW AND 1/2" HW-110°F DOWN IN WALL TO LAV SINK FAUCET FURNISHED WITH MIXING VALVE. HOT WATER CONNECTION TO LAVATORY SHALL BE MAX. 2'-0" FROM HOT WATER RECIRCULATED MAIN.
20	ROUTE 3/4" CW UP TO ROOF AND CONNECT TO NON-FREEZE ROOF HYDRANT
21	1 1/4" CW AND HW DOWN TO WATER HEATER. SEE DETAIL 1/P430.
22	LOCATE ISOLATION VALVES APPROXIMATELY 11'-8" AFF AS SHOWN ON DRAWINGS TO ALLOW ACCESS AND SERVICE FROM ACCESS PANELS IN CEILINGS.
23	NOT USED.
24	CONTRACTOR SHALL PROVIDE CONTROLS TO ACTIVATE PUMP WHEN HOT WATER RETURN LINE TEMPATURE REACHES 100°F AND SHUT-OFF AT 120°F
25	PROVIDE 1/2" CW AND 1" HW DOWN IN WALL TO LAV SINK FAUCET FURNISHED WITH MIXING VALVE. HOT WATER CONNECTION TO LAVATORY SHALL BE A MAX. 2'-0" FROM HOT WATER RECIRCULATED MAIN.
26	LOCATE (1) ONE TRAP PRIMER ABOVE CEILING BETWEEN RESTROOMS. PROVIDE 1/2" CW FROM TRAP PRIMER TO FLOOR DRAINS IN RESTROOMS. COORDINATE WITH ELECTRICAL.
27	1/2" FILTERED CW TO FRESH BLENDER. PIPING ROUTED OVERHEAD AND TERMINATE WITH BALL VALVE. G.C. TO TAG VALVE. CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE WITH BACKFLOW PREVENTER BFP-1
28	ROUTE 3/4" COLD WATER AND 3/4" FILTERED/PHOSPHATE FROM ABOVE DOWN BELOW SLAB.
29	PROVIDE 3/4" FILTERED/PHOSPHATE UP FROM BELOW SLAB AND CONNECT TO ICE MACHINE/DISPENSER IN CASEWORK. PROVIDE WITH BACKFLOW PREVENTER BFP-1 AND BALL VALVE. SEE DETAIL 8/P431 FOR MORE INFORMATION.
30	PIPING SHALL BE BELOW SLAB
31	ROUTE 3/4" FILTERED/PHOSPHATE FROM ABOVE DOWN BELOW SLAB.
32	1" CW TO GLYCOL CHILLER MANIFOLD SYSTEM.

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE039102 BRANDON M. RILEY
09/15/23

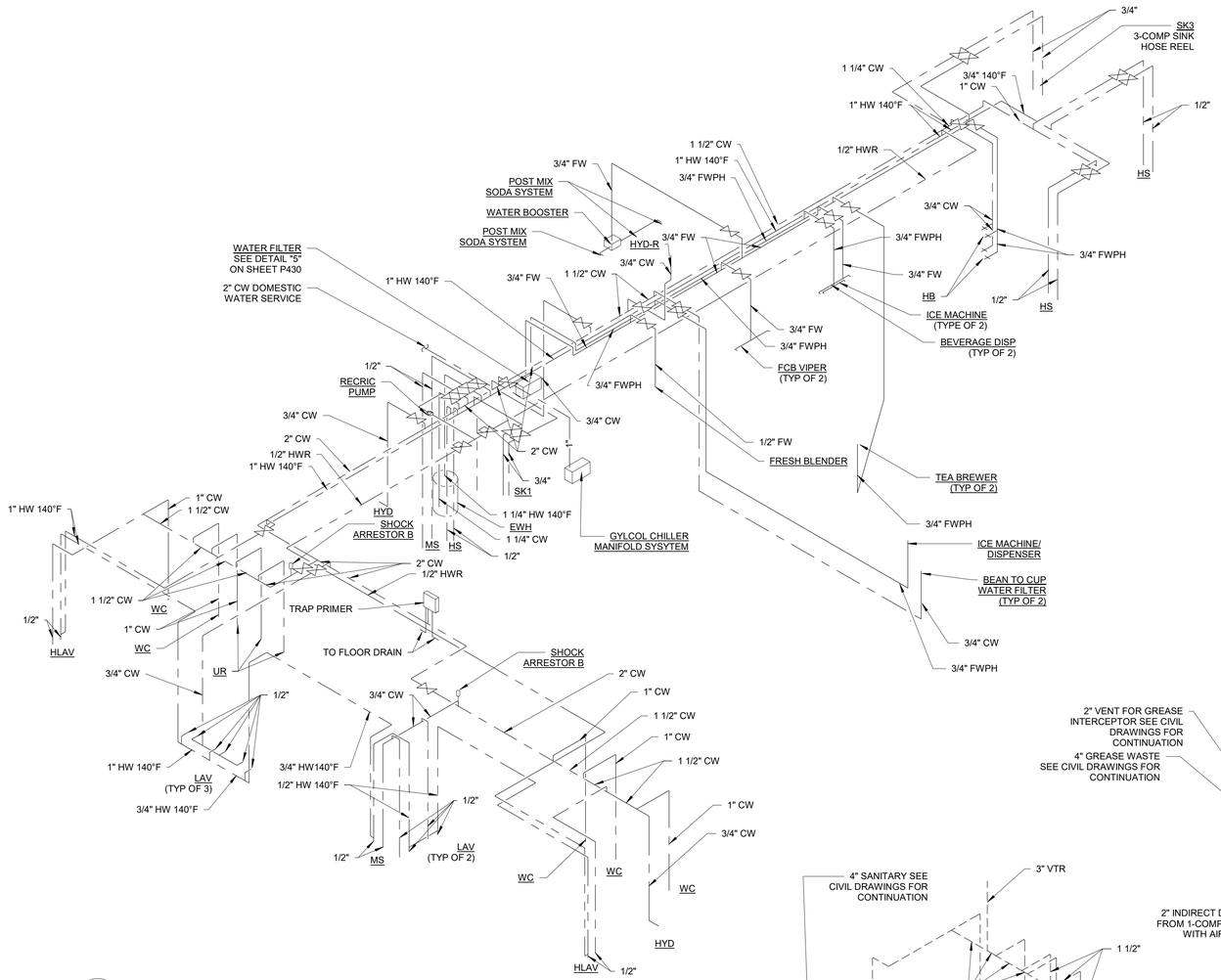
PROJECT NUMBER
2023157.20

SHEET TITLE

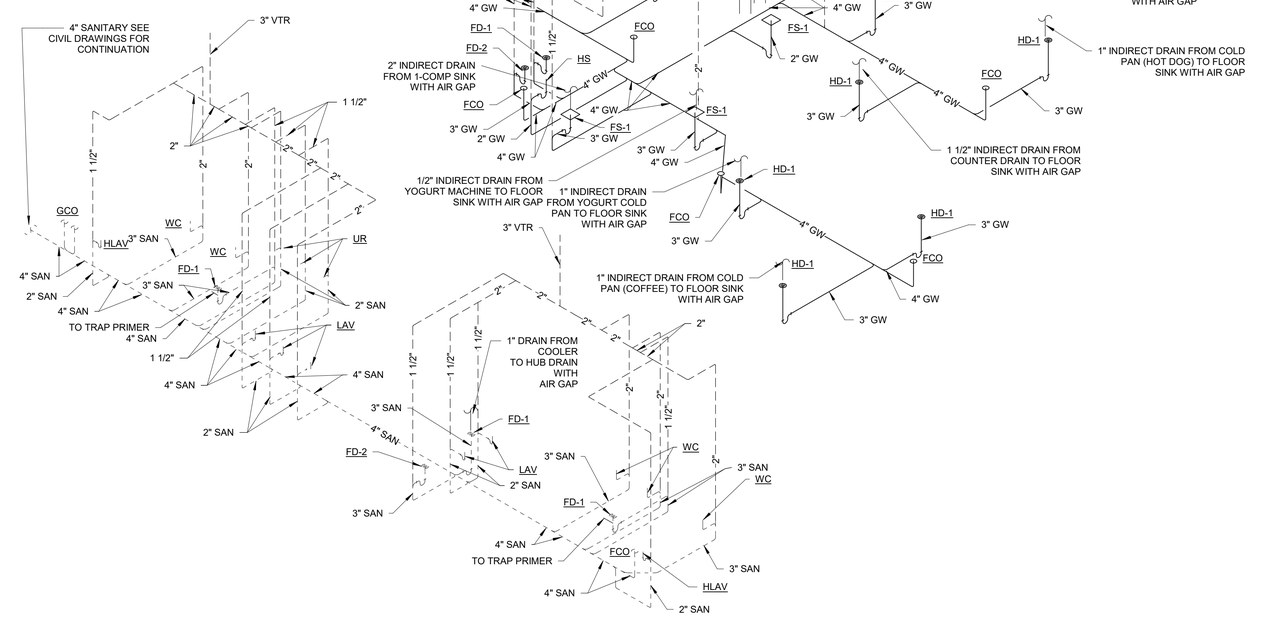
DOMESTIC WATER PLAN

SHEET NUMBER

P120



2 PLUMBING RISER
NTS



1 PLUMBING ISOMETRIC
NTS

NOTES:
1. GC TO ROUTE 3/4" FILTERED CW AT HEADWALL AND PROVIDE 1/2" TEE WITH BALL VALVES AND BARBED FITTINGS FOR EACH FCB. ACTUAL CONNECTION TO ICE MACHINES BY OTHERS.
2. GC TO TERMINATE 3/4" PHOSPHATE FED/FILTERED CW (WITH SHUTOFF VALVES AND BARBED FITTINGS) FOR ICE MACHINES. ACTUAL CONNECTION TO ICE MACHINE BY OTHERS.
3. GC TO PROVIDE CONNECTION TO ALL BEVERAGE EQUIPMENT (WITH SHUTOFF VALVE) UNLESS OTHERWISE NOTED.

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(770) 431-7600

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GA 30642
2670 LAKE OCONEE PKWY

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON M. MARZLEY
09/15/23

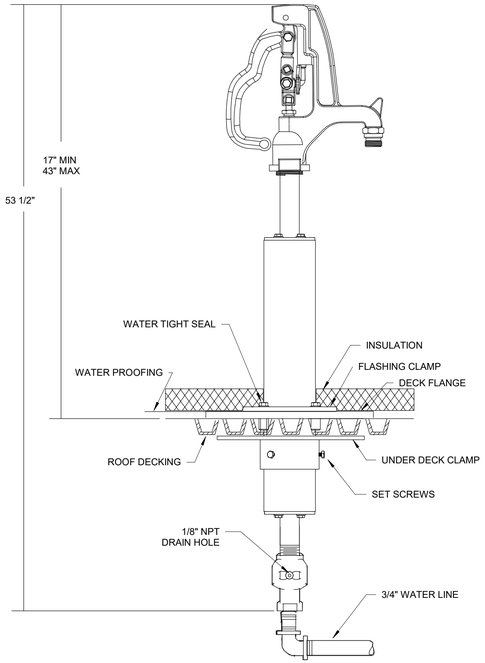
PROJECT NUMBER
2023157.20

SHEET TITLE

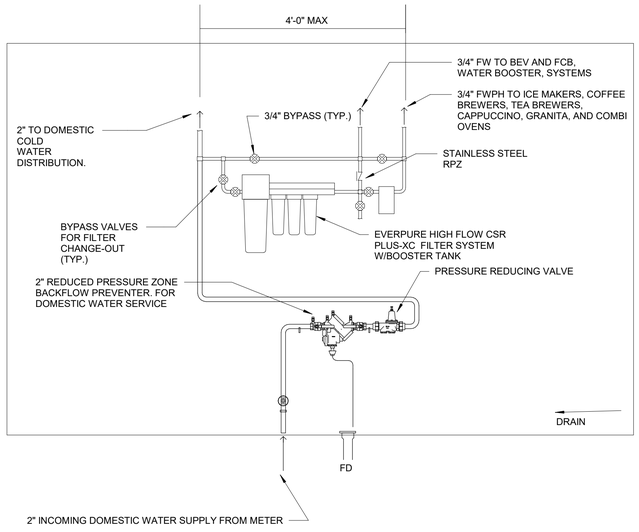
PLUMBING ISOMETRICS

SHEET NUMBER

P410

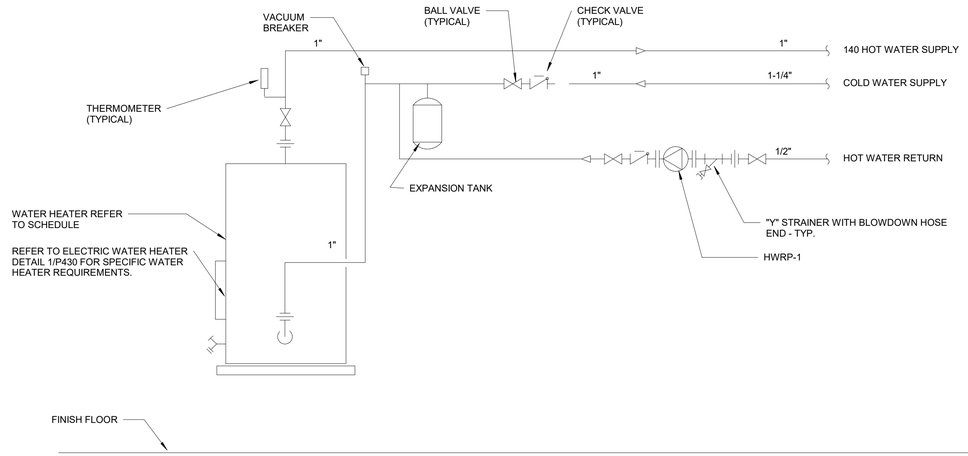


6 NON-FREEZE ROOF HYDRANT
N.T.S.



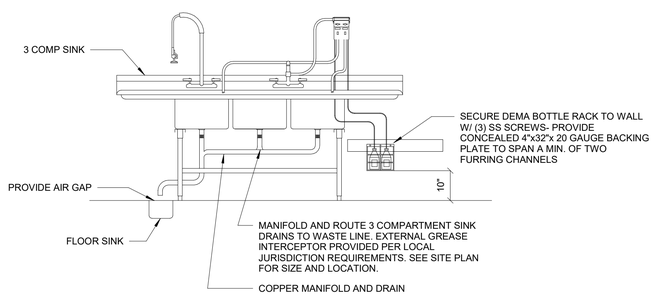
NOTE:
1. BACKFLOW PREVENTER ARE NOT REQUIRED TO BE INSIDE THE BUILDING WHEN LOCAL CODE REQUIRES LOCATION TO BE AT THE WATER METERS.
2. BACKFLOW PREVENTER SHALL NOT BE LOCATED MORE THAN 48" ABOVE FINISHED FLOOR.
3. DETAIL IS SCHEMATIC IN NATURE. PIPE SYSTEM PER MANUFACTURER'S REQUIREMENTS, AND WITHIN SPACE CONSTRAINS FOUND IN THE FIELD.

5 WATER MANIFOLD/FILTER DETAIL
N.T.S.

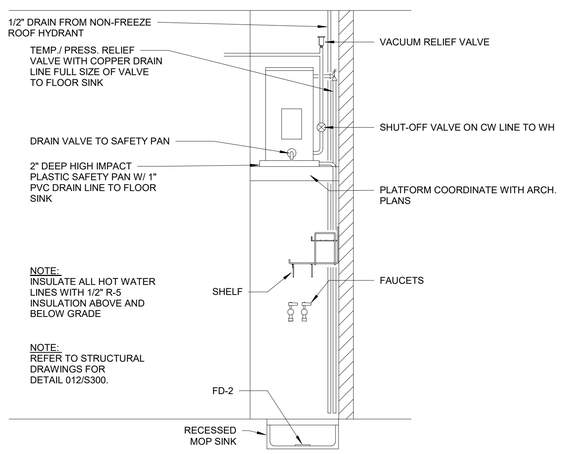


4 WATER HEATER MANIFOLD SCHEMATIC
N.T.S.

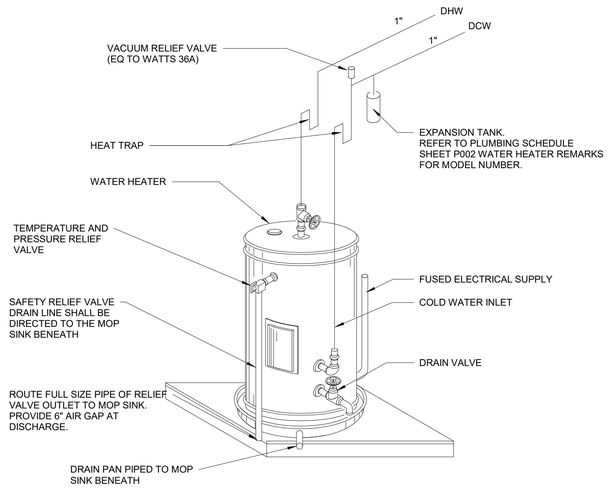
NOTE:
INSULATE ALL HOT WATER LINES W/ 1/2" R-5 INSULATION ABOVE AND BELOW GRADE



3 3-COMPARTMENT SINK DETAIL
N.T.S.



2 WATER HEATER DRAIN LINE DETAIL
N.T.S.



1 ELECTRIC WATER HEATER DETAIL
N.T.S.

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

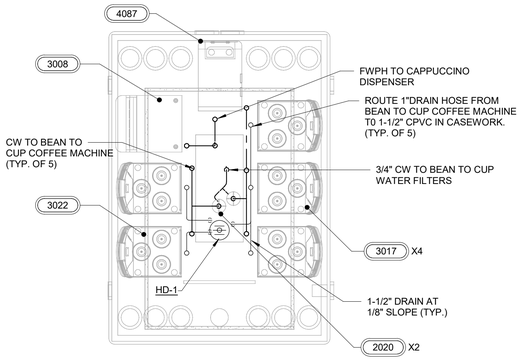
STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL
GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON M. HARTLEY
09/15/23

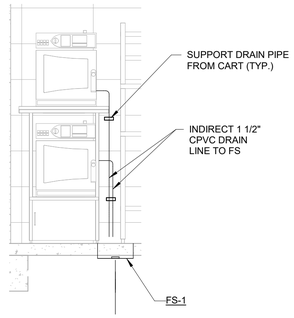
PROJECT NUMBER
2023157.20

SHEET TITLE
PLUMBING DETAILS

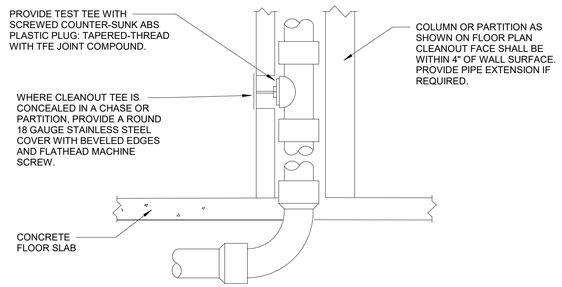
SHEET NUMBER
P430



8 COFFEE BAR DRAIN/WATER DETAIL
N.T.S.



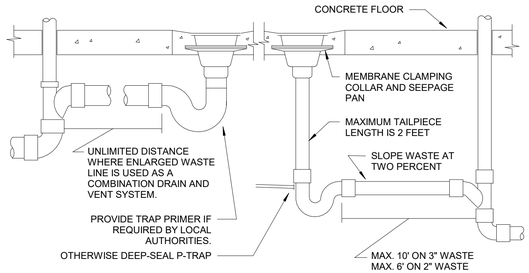
7 OVEN-STEAMER DETAIL
N.T.S.



NOTE:
PROVIDE WCO WHERE SHOW ON PLAN, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT: LOCATE ABOVE FIXTURE FLOOD RIM WITHIN 4" OF FLOOR. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS.

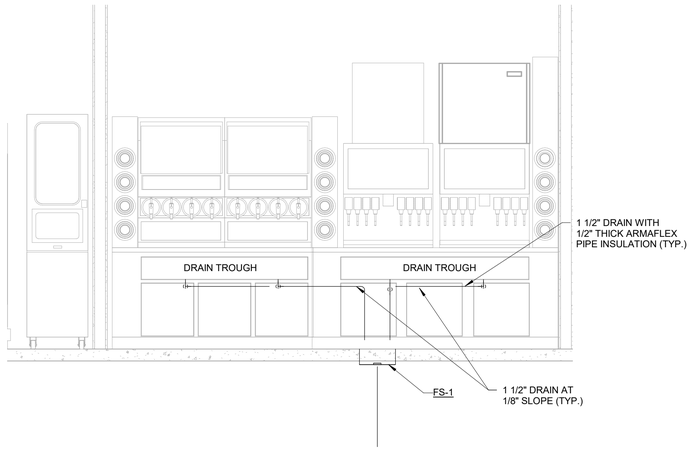
6 WALL CLEANOUT DETAIL
N.T.S.

PROVIDE AN INDIVIDUAL VENT ON ALL FLOOR DRAINS. INSTALL VENT IN PARTITION OR CHASE WHERE SHOWN ON PLAN. HORIZONTAL VENT BELOW FLOOR IS NOT PERMITTED. OTHER VENTING METHODS MAY BE USED IF APPROVED BY LOCAL CODE.

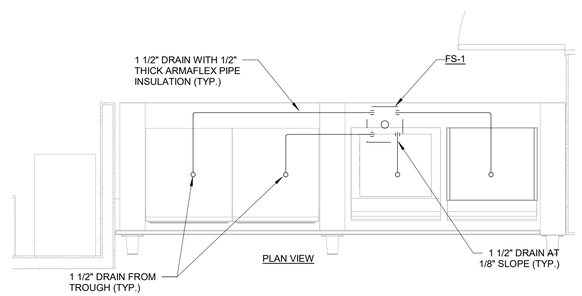


LOCATE FLOOR DRAINS WHERE SHOWN ON DIMENSIONED ARCHITECTURAL PLAN. IF FLOOR STRUCTURE INTERFERES WITH FLOOR DRAIN, MOVE SIDEWAYS IF POSSIBLE, OTHERWISE MOVE BACK. ALWAYS LOCATE WHERE EASILY ACCESSIBLE, BUT NOT IN FOOT TRAFFIC. IF SITUATION IS FLOOR SLAB ON GRADE, PROVIDE BACKFILL PER SPECIFICATIONS. IF CONCRETE FLOOR IS NOT EXISTING, SET DRAIN IN PLACE AND POUR AROUND IT. IF CONCRETE FLOOR IS EXISTING, SAW CUT OR CORE DRILL IT. SET DRAIN BODY IN PLACE AND POUR AROUND IT. RECESS TOP OF FLOOR DRAIN 1/2" BELOW FLOOR SURFACE AND SLOPE FLOOR TO IT.

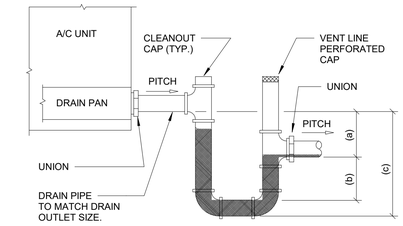
5 FLOOR DRAIN DETAIL
N.T.S.



ELEVATION



2 CABINETRY THROUGH DRAIN DETAIL
N.T.S.



THIS STANDARD DETAIL MUST BE REVIEWED AND SITE ADAPTED BY CONTRACTOR PRIOR TO USE FOR FINAL EQUIPMENT.

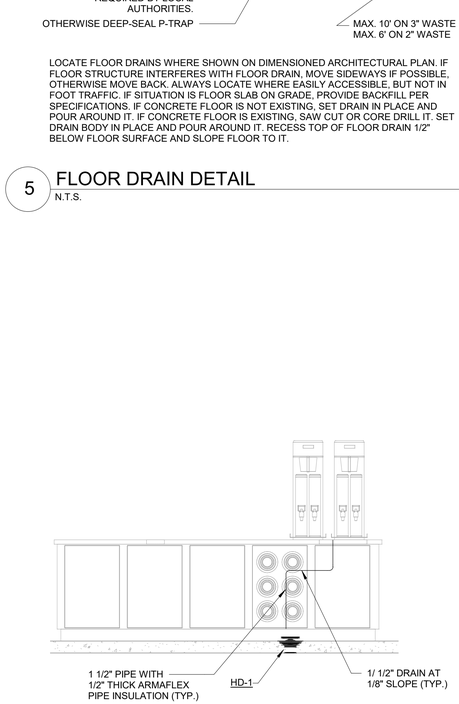
NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP
2. PITCH DRAIN FOR PROPER RUNOFF.
3. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL.
4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.

(a) THIS DIMENSION IN INCHES MUST BE EQUAL TO THE MAXIMUM FAN SUCTION (NEGATIVE) STATIC PRESSURE IN INCHES WG (WITH DIRTY FILTERS, COILS, AND MAXIMUM AIR FLOW) + 1" W.G.

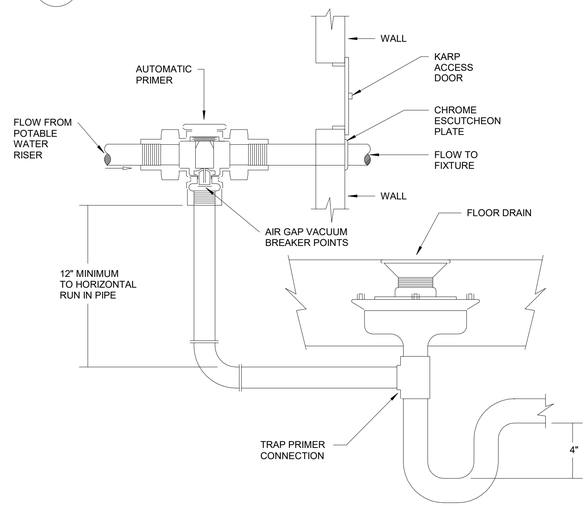
(b) THIS DIMENSION IN INCHES MUST BE EQUAL TO MIN. 1/2 OF THE (a) ABOVE

(c) EQUALS (a) + (b) + PIPE DIA. + + INSULATION

4 DRAW THRU UNIT CONDENSATE TRAP
N.T.S.



3 GRANITA MACHINE/TEA BREWER DRAIN DETAIL
1/2" = 1'-0"



1 TRAP PRIMER DETAIL
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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE039102 PROFESSIONAL ENGINEER BRANDON MARZLEY
09/15/23

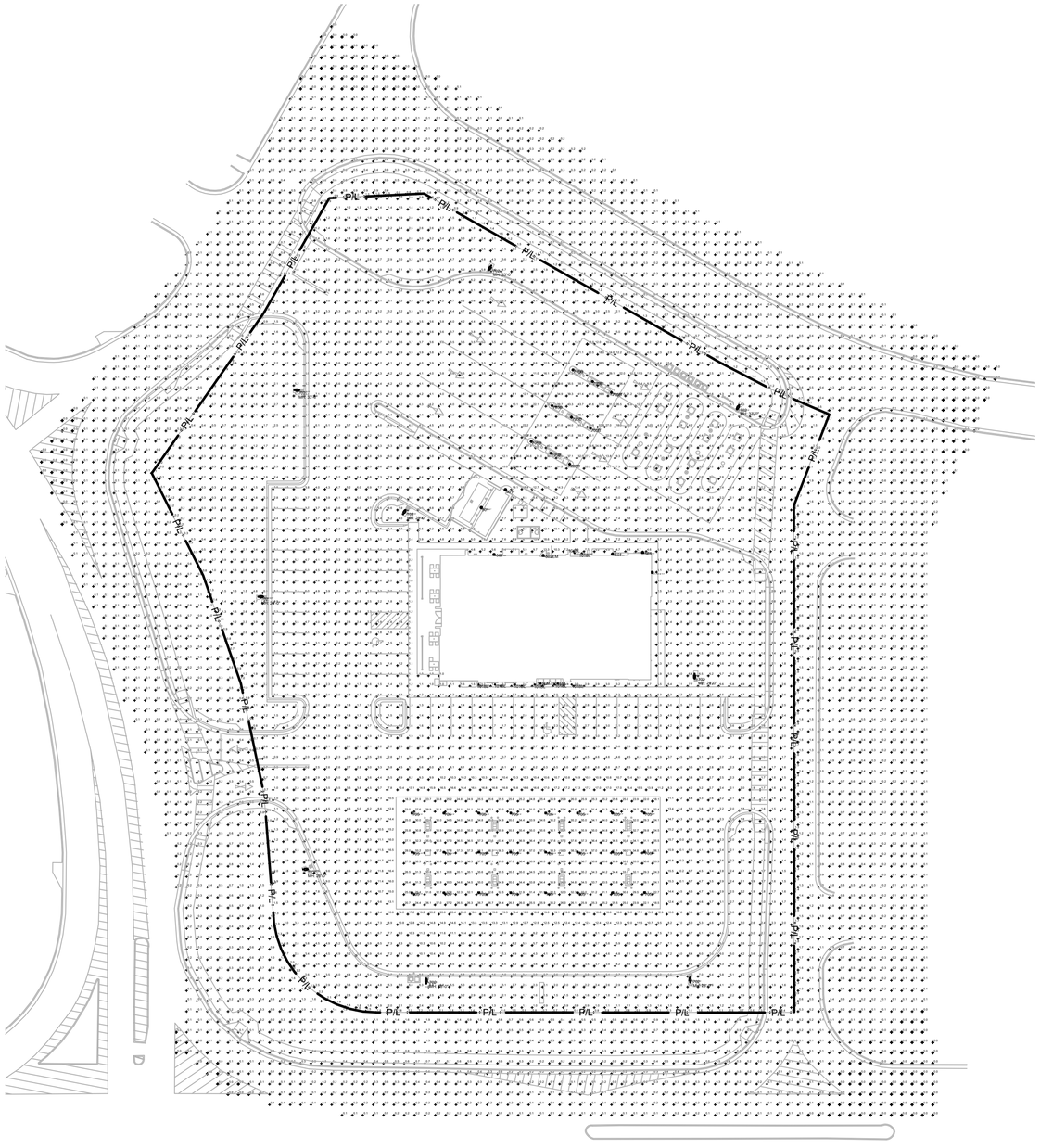
PROJECT NUMBER
2023157.20

SHEET TITLE

PLUMBING DETAILS

SHEET NUMBER

P431


P/L
P/L
P/L

LIGHTING FIXTURE SCHEDULE

TYPE	LAMP	VOLTAGE	VA PER FIXTURE	FIXTURE DESCRIPTION	CATALOG NUMBER	MFR.	REMARKS
002	LED	120 V	34 VA	VAPOR TIGHT LED STRIP LIGHT	CSVT-L48-4000LM-MVOLT-40K-80CRI	LITHONIA	
101	LED	120 V	38 VA	6" LED RECESSED DOWNLIGHT	LBR6-AL03-SWW1-AR-TRW-LSS-MWD-MVOLT-UGZ;LBR6PFW	LITHONIA	
101BL	LED	120 V	38 VA	6" LED RECESSED DOWNLIGHT	LBR6-AL03-SWW1-AR-TRBL-LSS-MWD-MVOLT-UGZ;LBR6PFW	LITHONIA	
101EM	LED	120 V	38 VA	6" LED RECESSED DOWNLIGHT	LBR6-AL03-SWW1-AR-TRW-LSS-MWD-MVOLT-UGZ-ELR;LBR6PFW	LITHONIA	2
101WW	LED	120 V	28 VA	6" LED RECESSED DOWNLIGHT (HIGH OUTPUT)	PD6-30-D010B (HOUSING) / PDM6B-840 (LED MODULE) / 61WW-W (REFLECTOR TRIM)	EATON	
203	LED	120 V	4 VA	1JT-OMEGA 12AM-SN	OMEGA12AM	BESA LIGHTING	
209	LED	120 V	38 VA	EDGE EX2D LED LINEAR LIGHT	EX2DAN840VHOAC96STUOL210BLQS	PINNACLE	
209EM	LED	120 V	38 VA	EDGE EX2D LED LINEAR LIGHT	EX2DAN840VHOAC96STUOL211ILBLQS	PINNACLE	2
210	LED	120 V	200 VA	HI LITE PENDANT - BRIGHT RED FINISH	H-CDRAC21-RREXCAL11	HI-LITE MFG. CO. INC.	
303	LED	120 V	43 VA	2X4 RECESSED LED TROFFER	BLC-2X4-5000LM-80CRI-40K-ADSM-MIN10-ZT-MVOLT	LITHONIA	
304	LED	120 V	43 VA	2X4 RECESSED LED TROFFER (EMERGENCY)	BLC-2X4-5000LM-80CRI-40K-ADSM-MIN10-ZT-MVOLT-EL14L	LITHONIA	2
501	LED	120 V	51 VA	ARCHITECTURAL WALL LUMINAIRE	ARC2-P5-40K-MVOLT-DDBXD	LITHONIA	
502	LED	120 V	30 VA	ARCHITECTURAL WALL LUMINAIRE	ARC2-P4-40K-MVOLT-DDBXD	LITHONIA	
502EM	LED	120 V	30 VA	ARCHITECTURAL WALL LUMINAIRE	ARC2-P4-40K-MVOLT-E8WC-DDBXD	LITHONIA	2
510	N/A	120 V	250 VA	PATIO FAN - WALL MOUNT	99539	AIR KING	
511	LED	120 V	51 VA	ARCHITECTURAL WALL LUMIERE	303-S1-LEDB2-4000K-UNV-T2-DIM10-BZ-12-EDGE	COOPER	
515	LED	120 V	38 VA	LINEAR LED	701994-6WA5X1	SLOANLED LED BLADE	
600	LED	120 V	3 VA	SINGLE FACE LED EDGE LIT EXIT SIGN W/BATTERY BACK-UP	CERS2RNE	HUBBELL	
602	LED	120 V	15 VA	COLD RATED EMERGENCY LIGHT. SURFACE MOUNTED EGRESS UNIT WITH COMPACT LOW PROFILE DESIGN; DIE CAST ALUMINUM HOUSING, SELF-DIAGNOSTICS, MAINTENANCE FREE NI-CAD BATTERY. COLOR SELECTED BY ARCHITECT (BRONZE).	PG-W-HTR	HUBBELL	
801	N/A	120 V	0 VA	POWER PACK	RMJ-16R-DV-B-16A	LUTRON	
802	N/A	120 V	0 VA	MOTION SENSOR	LRF2-OCR2B-P-WH	LUTRON	
803	N/A	120 V	0 VA	LOW TEMP MOTION SENSOR	11901A00005	KASON	

LIGHT FIXTURE SCHEDULE NOTES:

1. REFER TO ARCHITECTURAL ELEVATION DRAWINGS. VERIFY POLE HEIGHT.
2. PROVIDE 90-MINUTE BATTERY BACK-UP WITH FIXTURE.

ELECTRICAL SYMBOLS

- TELEPHONE OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- 20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
- T 20 AMP TAMPER RESISTANT DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
- 20 AMP QUADRUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
- GFI 20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET. UNLESS NOTED OTHERWISE.
- SPECIAL-PURPOSE RECEPTACLE. COORDINATE WITH EQUIPMENT.
- J JUNCTION BOX
- MS MOTION SENSOR - SENSOR SWITCH #CM-PDT-10 WITH POWER PACK #PP20
- MS LT MOTION SENSOR - LOW TEMPERATURE. SENSOR SWITCH #CM-ADC-DZ.
- MON SECURITY CAMERA MONITOR.
- CAM CAM CLG SECURITY CAMERA (PROVIDED BY RACETRAC). ROUTE MANUFACTURER-REQUIRED CABLING ABOVE CEILING TO EQUIPMENT LOCATED IN COMPUTER CLOSET.
- MUSIC SYSTEM CEILING-MOUNTED SPEAKER. ROUTE MANUFACTURER-REQUIRED CABLING ABOVE CEILING TO EQUIPMENT LOCATED IN COMPUTER CLOSET.
- S CASHWRAP EAVESDROP WALL-MOUNTED SPEAKER. ROUTE MANUFACTURER-REQUIRED CABLING ABOVE CEILING TO EQUIPMENT LOCATED IN COMPUTER CLOSET.
- M CASHWRAP EAVESDROP CEILING-MOUNTED MICROPHONE. ROUTE MANUFACTURER-REQUIRED CABLING ABOVE CEILING TO EQUIPMENT LOCATED IN COMPUTER CLOSET.
- MOTOR. SEE MECHANICAL DRAWINGS FOR SPECIFICATIONS.
- $ SINGLE POLE, 20 AMP, SWITCH. MOUNT 42" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
- $ J MOTOR RATED SWITCH
- DISCONNECT SWITCH. REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.
- ELECTRICAL POWER WALL
- WP WEATHERPROOF
- T/C TIME CLOCK
- TIE DENOTES CONNECTING MULTIPLE DEVICES TO A COMMON CIRCUIT
- A.F.F. ABOVE FINISH FLOOR
- PDC DENOTES POWER DISTRIBUTION CENTER
- UC DENOTES DEVICE MOUNTED UNDER COUNTER
- USB DENOTES USB/RECEPTACLE PLUG CONFIGURATION
- AC DENOTES DEVICE MOUNTED ABOVE COUNTER
- CLG DENOTES DEVICE MOUNTED IN CEILING
- XXX EQUIPMENT TAG. REFER TO SHEET E002 FOR EQUIPMENT SCHEDULE.
- X LIGHTING FIXTURE TAG. REFER TO THIS SHEET FOR LIGHTING FIXTURE SCHEDULE.
- X SHEET KEYNOTE TAG.
- X / X MECHANICAL EQUIPMENT TAG.

LIGHTING MANAGER CONTACTOR SCHEDULE

MODEL #LM-60-5CB	CONTROL CHANNEL	PANEL	CKT #	LIGHTING CONTROLLED	LIGHT LEVEL SETTING
CONTACTOR #1	1	B	22	FUEL CANOPY LED LOGO	--
	1	B	20	FUEL CANOPY LED LOGO	--
	1	B	12	FUEL CANOPY LED LOGO	--
	1	B	24	FUEL CANOPY LED LOGO	--
CONTACTOR # 2	SPARE				
	SPARE				
	SPARE				
	SPARE				
CONTACTOR #3	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
	2	B	5,7	FUEL CANOPY LIGHTS	--
	2	B	1,3	FUEL CANOPY LIGHTS	--
CONTACTOR #4	2	B	30	FRONT ENTRY SIGN	--
	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
CONTACTOR #5	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
	SPARE				
	SPARE				
CONTACTOR #6	3	B	2,4	AREA LIGHTS	--
	3	B	6,8	AREA LIGHTS	--
	3	B	35	REAR ENTRY SIGN	--
	3	B	37	SIDE ENTRY SIGN	--
CONTACTOR #7	4	B	13	LED STRIP LIGHTS	--
	4	B	21	LED STRIP LIGHTS	--
	4	B	31	LED STRIP LIGHTS	--
CONTACTOR #8	5	B	9	PRICE SIGN	--
	SPARE				
	SPARE				
	SPARE				
CONTACTOR #9	6	B	10	FRONT/SIDE ENTRY TOWER LTG	--
	6	B	16	FRONT/SIDE ENTRY TOWER LTG	--
CONTACTOR #10	SPARE				
	SPARE				
	SPARE				
	SPARE				

NOTE:
1. TOTAL NUMBER OF CONTACTORS 10.
2. EACH CONTACTOR HAS (4) POLES (L1,L2,L3,L4).

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ARCHITECT/ENGINEER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
B. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF.
C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION) AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION. THE SPECIFICATION, CODES AND STANDARDS LISTED BELOW ARE UTILIZED IN THIS PROJECT.
   1. NATIONAL ELECTRICAL CODE (NFPA-70)
   2. CODE FOR SAFETY TO LIFE (NFPA_101)
   3. STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE SIGNALING SYSTEMS (NFPA-72)
   4. UNDERWRITERS' LABORATORIES (UL)
   5. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
   6. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
   7. FEDERAL SPECIFICATION (FED. SPEC.)
   8. INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
   9. INTERNATIONAL BUILDING CODE. SEE COVER SHEET.
   10. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
   11. ADDITIONALLY, DESIGNS, WORK PRACTICES AND CONDITIONS MUST CONFORM WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA)
D. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
E. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
F. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
G. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.
H. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
I. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.
J. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL MEAN THAT THE CONTRACTOR IS TO FURNISH, INSTALL AND CONNECT COMPLETE.

PART 2 - PRODUCTS

A. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. (EXCEPT AS NOTED OTHERWISE FOR CONTROL WIRING). ALL CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER WITH "THHN-THWN" INSULATION UNLESS OTHERWISE NOTED.
B. ELECTRICAL METALLIC TUBING (EMT) SHALL BE OF BEST QUALITY STEEL, SMOOTH INSIDE AND OUT AND SHALL BE HOT-DIPPED GALVANIZED.
C. RIGID NONMETALLIC CONDUIT SHALL BE SCHEDULE 40 PVC.
D. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
E. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
F. PANELBOARDS:
   1. CURRENT CARRYING BUSES SHALL BE COPPER. GROUND BUS BARS SHALL BE COPPER.
   2. ALL CIRCUIT BREAKERS SHALL BE BOLT ON. PLUG-IN BREAKERS ARE NOT ACCEPTABLE.
   3. CIRCUIT BREAKERS USED AS SWITCHES IN FLUORESCENT OR HID LIGHTING CIRCUITS SHALL BE LISTED AND MARKED "SWD" OR "HID" AS REQUIRED.
   4. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE.
   5. PANELBOARDS SHALL BE SERIES RATED WITH UPSTREAM BREAKERS IN MDP. SERIES RATED BREAKER SHALL BE SELECTED BY VENDORS, PE.
   6. ALL PANELBOARDS SHALL BE FURNISHED WITH PLASTIC LAMINATE NAMEPLATES WITH 1/4" ENGRAVED LETTERING FOR PANEL IDENTIFICATION.
   7. ALL PANELBOARDS SHALL BE PROVIDED WITH TYPE-WRITTEN DIRECTORY OF BRANCH CIRCUIT DESIGNATIONS.
G. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK.
H. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC AS INDICATED ON THE ELECTRICAL DRAWINGS, WITH OVERLOAD RELAYS IN EACH PHASE. PROVIDE MAGNETIC STARTERS WITH "H-O-A" SWITCH.
I. ENCLOSURES SHALL BE NEMA-1 FOR INDOOR LOCATIONS, NEMA 3R FOR OUTDOOR LOCATIONS OR AS OTHERWISE NOTED.
J. WIRING DEVICES (GENERAL PURPOSE RECEPTACLES AND WALL SWITCHES) SHALL BE WHITE COLOR UNLESS OTHERWISE NOTED. FACEPLATES SHALL BE SMOOTH, WHITE NYLON.
K. ANY FIELD CONDUIT ROUTED A DISTANCE UNDER 200' SHALL BE 3/4" AND FIELD CONDUIT ROUTED A DISTANCE GREATER THAN 200' SHALL BE 1" PVC/METAL RIGID CONDUIT.

PART 3 - EXECUTION

A. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:
   1. 208/120 VOLTS, 3 PHASE, 4-WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BLACK, 1 RED AND 1 BLUE. GROUNDED (NEUTRAL) CONDUCTOR; WHITE. GROUNDING CONDUCTORS SHALL BE GREEN.
   2. BRANCH CIRCUIT WIRING (#6 AND SMALLER) SHALL BE COLOR CODED BY CONTINUOUS INSULATION COLOR AND FEEDERS AND SERVICES (#4 AND LARGER) SHALL BE CODED AT ALL JUNCTION OR PULL POINTS (EXCEPT LB'S OR LBD'S) USING COLOR MARKERS OR PLASTIC TAPE MANUFACTURED FOR THE PURPOSE.
B. WIRING METHODS
   1. ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED, SPECIFIED OR AS SPECIFICALLY PROHIBITED BY THE AUTHORITY HAVING JURISDICTION. ALL FITTINGS AND COUPLINGS FOR EMT CONDUIT SHALL BE ALL STEEL RAIN TIGHT COMPRESSION TYPE OR ALL STEEL CONCRETE TIGHT SET SCREW TYPE.
   2. SCHEDULE 40 PVC CONDUIT, WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE, SHALL BE INSTALLED UNDERGROUND OR BELOW SLABS ON GRADE.
   3. TYPE MC CABLE WITH ALUMINUM ARMOR AND INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FROM JUNCTION BOX TO FIXTURE ONLY (SECURED AT 6'-0" MAXIMUM INTERVALS AND WITHIN 1'-0" FROM THE JUNCTION BOX) FOR CIRCUITS 20 AMPERES OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
C. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. AND LOCAL CODES.
D. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE.
E. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
F. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES, AND SHALL BE FULLY COORDINATED WITH THEM PRIOR TO COMMENCEMENT OF WORK.
G. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND WIRING DEVICES, FOR ALL OUTLETS AS INDICATED.
H. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF NEC, NEMA, AND IEEE.
I. CONTRACTOR SHALL SUBMIT AT LEAST FIVE (5) SETS OF SHOP DRAWINGS OR CUT SHEETS OF SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY OWNER.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF THEIR WORK.
K. ALL LAY-IN LIGHTING FIXTURES SHALL BE SECURED TO THE SUSPENDED CEILING GRID AT EACH CORNER.
L. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
M. ALL ELECTRICAL POWER WIRING FOR THE HVAC SYSTEM INCLUDING WIRING THRU LINE VOLTAGE CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
N. CONDUCTORS FOR BRANCH CIRCUITS SHALL BE INCREASED FROM SIZES INDICATED ON EQUIPMENT SCHEDULES TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST DEVICE. LOADS FOR DETERMINING CONDUCTOR SIZE SHALL BE BASED ON ACTUAL CONNECTED LOAD OR 80% OF BREAKER SIZE, WHICHEVER IS GREATER. CONTACT ENGINEER OF RECORD FOR ALL RUNS IN EXCESS OF 100 FT. FOR DETERMINATION OF WIRE SIZE. FOR BID PURPOSES, INCREASE WIRE BY ONE (1) WIRE SIZE FOR RUNS 100 FT. TO 200 FT. AND TWO (2) WIRE SIZES FOR RUNS OVER 200 FT.
O. THE CONTRACTOR SHALL CONFIRM WITH THE ELECTRICAL UTILITY COMPANY ANY AND ALL REQUIREMENTS SUCH AS: METERING EQUIPMENT REQUIREMENTS AND METERING EQUIPMENT LOCATION, TRANSFORMER SIZE AND LOCATION OR SERVICE POINT, CONDUIT ENTRY AND LUG SIZE RESTRICTIONS.
P. THE CONTRACTOR SHALL SCHEDULE ALL REQUIRED DOWN TIME FOR THE OWNERS CONFIRMATION.
Q. ANY CONFLICTS AND DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH ANY WORK.

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DESIGN PROFESSIONALS
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520 S. MAIN STREET, STE 2531
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ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 DATE 06/02/23
STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL
GEORGIA REGISTERED No. PE037570 PROFESSIONAL ENGINEER STEVEN P. SCHABEL
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE
ELECTRICAL NOTES, LEGENDS AND LIGHT FIXTURE SCHEDULE

SHEET NUMBER
E001

ELECTRICAL EQUIPMENT SCHEDULE

ITEM NO.	QTY	DESCRIPTION	FURNISHED BY	INSTALLED BY	MANUFACTURER	VOLTAGE	PHASE	LOAD	CIRCUIT/WIRING INFO	DISCONNECT DESCRIPTION	REMARKS
0108	1	ELECTRONIC CABINET	RT	VENDOR	MILLWORK	120 V	1	2.5	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15P	
1003	2	HAND DRYER	RT	GC	BOBRICK	120 V	1	1725 W	2#12, 1#12G IN 3/4"C	DIRECT CONNECT	
1035	5	24(INCH) X 48(INCH) MIRROR	RT	VENDOR	SEURA	120 V	1	2.5	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - HARDWIRED	
2002	5	VANITY SINKS	RT	GC	KOHLER	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - VIA POWER CONVERTER	
2003	2	LAVATORY FOR ACCESSIBLE STALLS (HARD WIRED FAUCET)	RT	GC	ZURN	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - VIA POWER CONVERTER	
2004	3	URINAL	RT	GC	ZURN	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - VIA POWER CONVERTER	
2019	5	WATER CLOSET	RT	GC	ZURN	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - VIA POWER CONVERTER	
3004	2	10 HEAD SODA FOUNTAIN	RT	VENDOR	CORNELIUS	120 V	1	3.5 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
3005	3	POST MIX SODA SYSTEM	RT	VENDOR	CORNELIUS	120 V	1	14.6 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
3008	1	CAPPUCCINO DISPENCER - 5 HEAD	RT	GC	BUNN	120 V	1	15 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
3011	2	COMBI OVEN STEAMER	RT	GC	CLEVELAND	208 V	3	17.9 A	3#10, 1#10G IN 3/4"C	CORD AND PLUG - NEMA 15-30	
3013	1	WATER HEATER (50 GAL - SHORT)	RT	GC	RHEEM	208 V	3	50.0 A	3#4, 1#8G IN 1-1/4"C	DIRECT CONNECT - DISCONNECT SWITCH	
3014	2	FCB VIPER (FROZEN CARBONATED BEVERAGE)	RT	VENDOR	FBD	208 V	1	30.0 A	2#10, 1#10G IN 3/4"C	CORD & PLUG - NEMA L6-30	
3017	4	BEAN TO CUP COFFEE MACHINE	RT	GC	SCHAERER	208 V	1	20 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA L6-20	
3022	1	BEAN TO CUP COFFEE MACHINE	RT	GC	SCHAERER	208 V	1	20 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA L6-20	
3032	1	FRESH BLENDER	RT	VENDOR	MULTIPLEX	120 V	1	20 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15P	
3033	2	TEA BREWER	RT	VENDOR	BUNN	120 V	1	14 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
4001	19	COOLER #1 DISPLAY DOOR	RT	GC	ANTHONY	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	DIRECT CONNECT	
4013	1	ICE MAKER (CRUSHED/NUGGET)	RT	VENDOR	ICE-O-MATIC	208 V	1	15.3 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 6-20	
4025	3	FROZEN YOGURT DISPENSER	RT	GC	STOELTING	208 V	1	12.0 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 6-20	
4044	1	UNDERCOUNTER FREEZER	RT	VENDOR	TURBO AIR	120 V	1	5.3	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15P	
4075	1	BEER CAVE VAULT DOOR - BREAKAWAY	RT	GC	ANTHONY	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	DIRECT CONNECT	
4087	1	ICE MACHINE/DISPENSER	RT	GC	FOLLETT	115 V	1	5	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-20	
4131	1	YOGURT MACHINES CHILLER - PAK	RT	GC	AIRDYNE	208 V	3	18.5 A	3#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (MOCP 20A)	
4174	2	NON-ALCH COOLER CONDENSER	RT	GC	BOHN	208 V	3	20.6 MCA	3#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (MOCP 30A)	
4175	2	BEER COOLER EVAPORATOR	RT	GC	BOHN	208 V	1	11.76 A	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH	
4176	2	NON-ALC. COOLER EVAPORATOR	RT	GC	BOHN	120 V	1	2.52 A	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH	
4177	1	BEER COOLER CONDENSER	RT	GC	BOHN	208 V	3	15 MCA	3#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (MOCP 30 A)	
4178	1	WALK-IN COOLER EVAPORATOR	RT	GC	BOHN	120 V	1	0.84 A	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH	
4179	1	FREEZER CONDENSER	RT	GC	BOHN	208 V	3	20 MCA	3#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (MOCP 25A)	
4180	1	FREEZER EVAPORATOR	RT	GC	BOHN	208 V	1	9.54 A	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH	
4181	1	ICE MAKER (CUBER)	RT	VENDOR	ICE-O-MATIC	208 V	1	12.3 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 6-20	
4182	1	ICE MAKER REMOTE CONDENSER (CUBER)	RT	VENDOR	ICE-O-MATIC	208 V	1	VERIFY	2#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (SERVES 4011)	
4183	1	ICE MAKER REMOTE CONDENSER (NUGGET)	RT	VENDOR	ICE-O-MATIC	208 V	1	VERIFY	2#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (SERVES 4011)	
4189	1	UNDERCOUNTER REFRIGERATOR	RT	VENDOR	TURBO AIR	120 V	1	2.3	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15P	
4190	1	PIZZA PREP TABLE	RT	VENDOR	TURBO AIR	120 V	1	3.2	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15P	
5001	1	COIN SAFE	RT	GC	TIDEL	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	VERIFY	
5002	1	INTERCOM ESCO	RT	GC	ESCO	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	VERIFY	
5003	1	COMPUTER SYSTEM	RT	RT	-	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15	
5004	1	FAX/PRINTER	RT	RT	-	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5005	2	TANK MONITOR	RT	GC	VEEDER-ROOT	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	VERIFY	
5006	6	46 INCH COMMERCIAL DISPLAY	RT	RT	AT&T	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15	
5007	1	BILL SAFE	RT	GC	TIDEL	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	VERIFY	
5008	3	CASH DRAWER	RT	GC	APG					POWERED BY UPS	
5009	3	POINT OF SALE TERMINAL	RT	RT	RADIANT					POWERED BY UPS	
5010	6	POINT OF SALE SCANNER	RT	RT	MOTOROLA					POWERED BY UPS	
5011	3	POINT OF SALE PRINTER	RT	RT	BIXOLON					POWERED BY UPS	
5012	3	UPS POWER SUPPLY	RT	GC	ONEAC	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15 / (120V OUTPUT)	
5015	1	PASTRY CASE	RT	GC	ROYSTON	120 V	1	15 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
5016	4	CIGARETTE MERCHANDISER	RT	VENDOR	IMAGEWORKS	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	VERIFY	
5019	1	COLD PANS (8 PANS, HOT DOG ISLAND)	RT	GC	DELFIELD	120 V	1	4.0 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15	
5021	1	BEVERAGE AIR CENTER	RT	VENDOR	TAPRITE-FASSCO	120 V	1	1/4 HP	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5022	1	WATER BOOSTER	RT	VENDOR	McCANN'S	120 V	1	7.0 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5024	2	INTERCOM CALL BOX	RT	GC	ESCO						
5026	2	MICROWAVE OVEN	RT	GC	PANASONIC	120 V	1	17.7 A	2#10, 1#10G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5027	2	BUN WARMER	RT	GC	VULCAN	120 V	1	4.0 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15	
5028	1	CHILI / CHEESE W/ CHIP RACK	RT	GC	GEHLS	120 V	1	1.7 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
5029	1	AUTOMATED TELLER MACHINE (ATM)	RT	GC	NCR	120 V	1	10.0 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5034	1	COLD PAN (COFFEE PREP)	RT	GC	DELFIELD	120 V	1	4.0 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
5035	1	YOGURT COLDPAN	RT	GC	DELFIELD	120 V	1	1/5 HP	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
5039	9	VARIABLE FREQUENCY CONTROLLER	RT	GC	FE PETRO	208 V	3	VERIFY	3#10, 1#10G IN 3/4"C	VERIFY	
5040	2	FOOD WARMER BOILED PEANUTS	RT	GC	WELLS MANUFACTURING	120 V	1	6.9 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
5041	5	SECURITY MONITORS	RT	GC	SAMSUNG	120 V	1	54W		CORD & PLUG - NEMA 5-15	
5042	3	UNITIZED PANEL SYSTEM	RT	GC	SCHNEIDER-ELECTRIC			-	-	-	
5043	1	INSTANT TICKET VENDING MACHINE (GA)	RT	GC	-	120 V	1	VERIFY			
5044	2	ICE MERCHANDISER	VENDOR	VENDOR	REDDY ICE	120 V		VERIFY	2#12, 1#12G IN 3/4"C	VERIFY	
5055	3	POWER CONVERTER	RT	GC		120 V	1	2.0 A	VERIFY WITH SUPPLIER	DIRECT CONNECT	
5074	3	POS BATTERY BACKUP	RT	GC	GTS	120 V	1	2.0 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15 / (OUTPUT: 120V)	
5084	1	DOUBLE BATCH PIZZA OVEN	RT	GC	TURBOCHEF	208 V	1	50.0 A	2#6, 1#10G IN 1"C	CORD AND PLUG - NEMA 6-50	
5093	1	IPAD	RT	GC	APPLE					-	
5098	3	PANIC BUTTON	RT	RT	HUB					POWERED BY UPS	
5099	1	MONEYGRAM	RT	GC	-	120 V	1	2.0 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15 / (OUTPUT: 120V)	
5101	1	EMERGENCY FUEL SHUTOFF	RT	RT	-					-	
5109	1	BIO BLENDING SYSTEM	RT	GC	JUNGE	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	VERIFY	
5115	1	IMPULSE COOLER	RT	GC	TURBO AIR	120 V	1	15.0 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5119	1	BUILT-IN HEATED SHELF	RT	GC	HATCO	208 V	1	10 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 6-15	
5123	1	VERTICAL OPEN DISPLAY CASE	RT	GC	TURBO AIR	120 V	1	15.0 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
5126	1	ICE MERCHANDISER	VENDOR	VENDOR	LEER	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15	
5131	1	BUILT-IN HEATED SHELF	RT	GC	HATCO	208 V	1	14.6 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5136	1	SOLID DOOR FREEZER	RT	GC	TURBO AIR	120 V	1	4.4 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20P	
5148	2	WORKTOP FREEZER	RT	GC	TURBO AIR	120 V	1	5.6 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15	
5155	2	COMDATA SMART SOLUTIONS	RT	RT	COMDATA	120 V	1			POWERED BY UPS	
5162	1	AIR COMPRESSOR	RT	GC	CHAMPION	208 V	3	24.2 A	3#8, 1#8G IN 3/4"C	VERIFY	
5166	1	WASTE OIL CONTAINMENT TANK	RT	GC	FRONTLINE INTERNATIONAL	120 V	1	15.0A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5179	1	OPEN HOT FOOD DISPLAY CASE	RT	GC	VENDO	208 V	1	17.1 A	2#10, 1#10G IN 3/4"C	CORD & PLUG - NEMA L14-30	
5180	1	CURVED ICE CREAM FREEZER	RT	GC	EXCELLENCE INDUSTRIES	120 V	1	14.7 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - VERIFY	
5182	1	AMBIENT AIR CURTAIN	RT	GC	BERNER	120 V	1	6.5 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - VERIFY	
5192	1	DUAL INFRARED ALUM. STRIP HEATER WITH LIGHTS	RT	GC	HATCO	208 V	1	17.5 A	2#10, 1#10G IN 3/4"C	VERIFY	
5199	1	WALLMOUNTED RACK ENCLOSURE CABINET-SERVER	RT	VENDOR	SCHNEIDER ELECTRIC	120 V	1	1 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20	
5200	1	FASTLANE SELFSERV CHECKOUT	RT	RT	NCR	120 V	1	3.5 A	2#12, 1#12G IN 1/2"C	DIRECT CONNECT - HARDWIRED	
5203	3	FOOD LABEL PRINTER	RT	GC	AVERY DENNISON	120 V	1	1.5 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15	
5207	1	DUAL INFRARED ALUM. STRIP HEATER WITH LIGHTS	RT	GC	HATCO	208 V	1	23.2 A	4#10, 1#10G IN 3/4"C	VERIFY	
5213	3	ROLLER GRILL	RT	GC	NEMCO	120 V	1	11.9 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15	
5215	1	HOLDING CABINET	RT	GC	DUKE	208 V	1	17.3 A	2#10, 1#10G IN 3/4"C	CORD AND PLUG - NEMA L6-30P	
5216	1	EVOLUTION ELITE OPEN FRYERS	RT	GC	HENNY PENNY	208 V	1	39.4 A	3#6, 1#10G IN 3/4"C	CORD AND PLUG - NEMA 15-50P	
5223	2	FASTLANE SELFSERV CHECKOUT	RT	RT	HP	120 V	1	3.5 A	2#12, 1#12G IN 1/2"C	DIRECT CONNECT - HARDWIRED	

EQUIPMENT SCHEDULE ELECTRICAL GENERAL NOTES

1. E.C. SHALL COORDINATE WITH EQUIPMENT SUPPLIER/MANUFACTURER AND PROVIDE ALL OUTLETS, CONNECTIONS AND CORD AND PLUGS SETS REQUIRED FOR COMPLETE INSTALLATION.
2. E.C. SHALL VERIFY WITH EQUIPMENT SUPPLIER/MANUFACTURER NEMA CONFIGURATION REQUIRED FOR EACH PIECE OF EQUIPMENT UTILIZING CORD AND PLUG AS A DISCONNECTING MEANS.
3. E.C. SHALL PROVIDE DISCONNECT SWITCHES PER EQUIPMENT SUPPLIER RECOMMENDATIONS. VERIFY FUSING REQUIREMENTS WITH EQUIPMENT SUPPLIER/MANUFACTURER.

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

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(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 DATE 06/02/23

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHAUB

09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

ELECTRICAL EQUIPMENT SCHEDULE

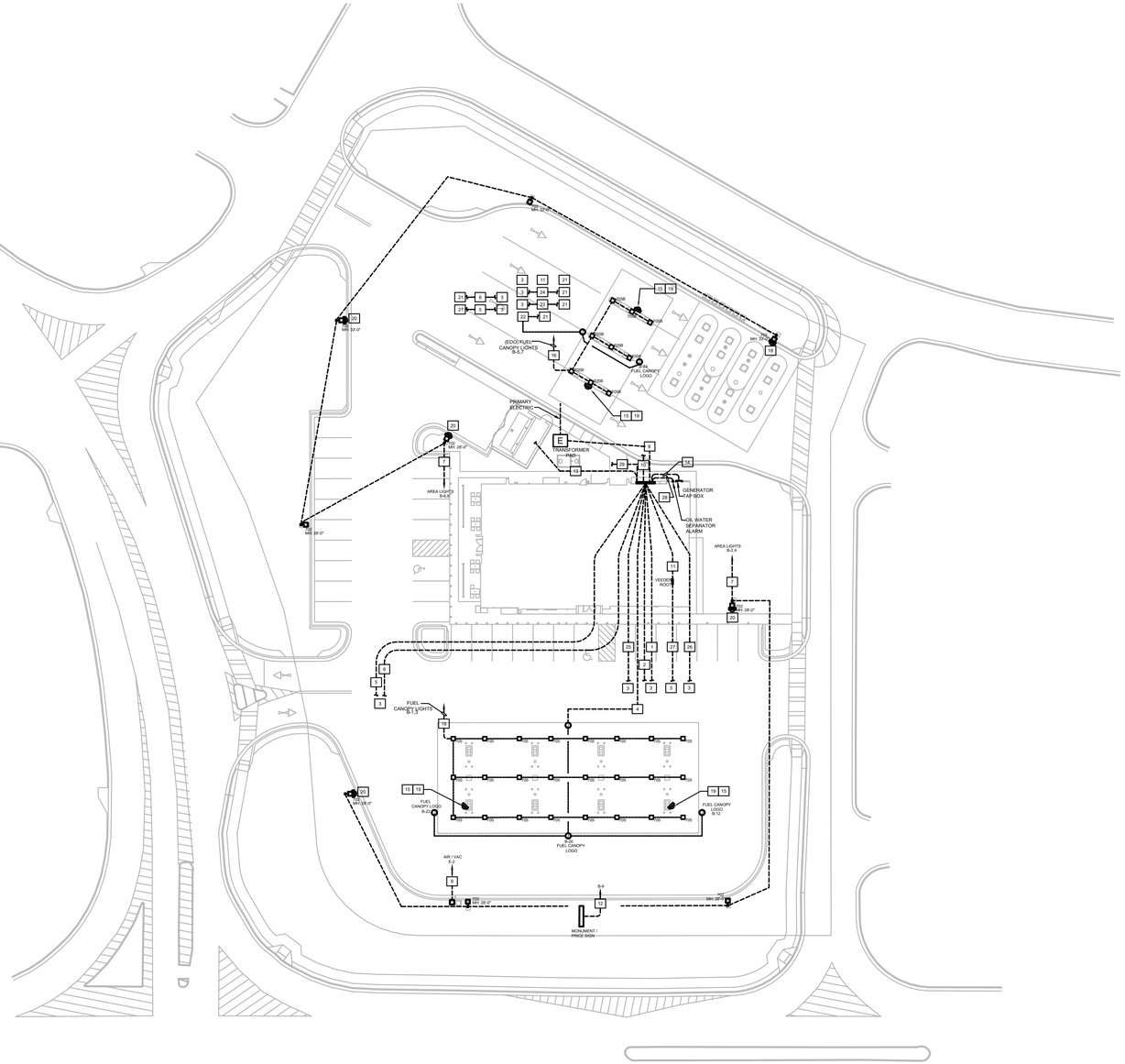
SHEET NUMBER

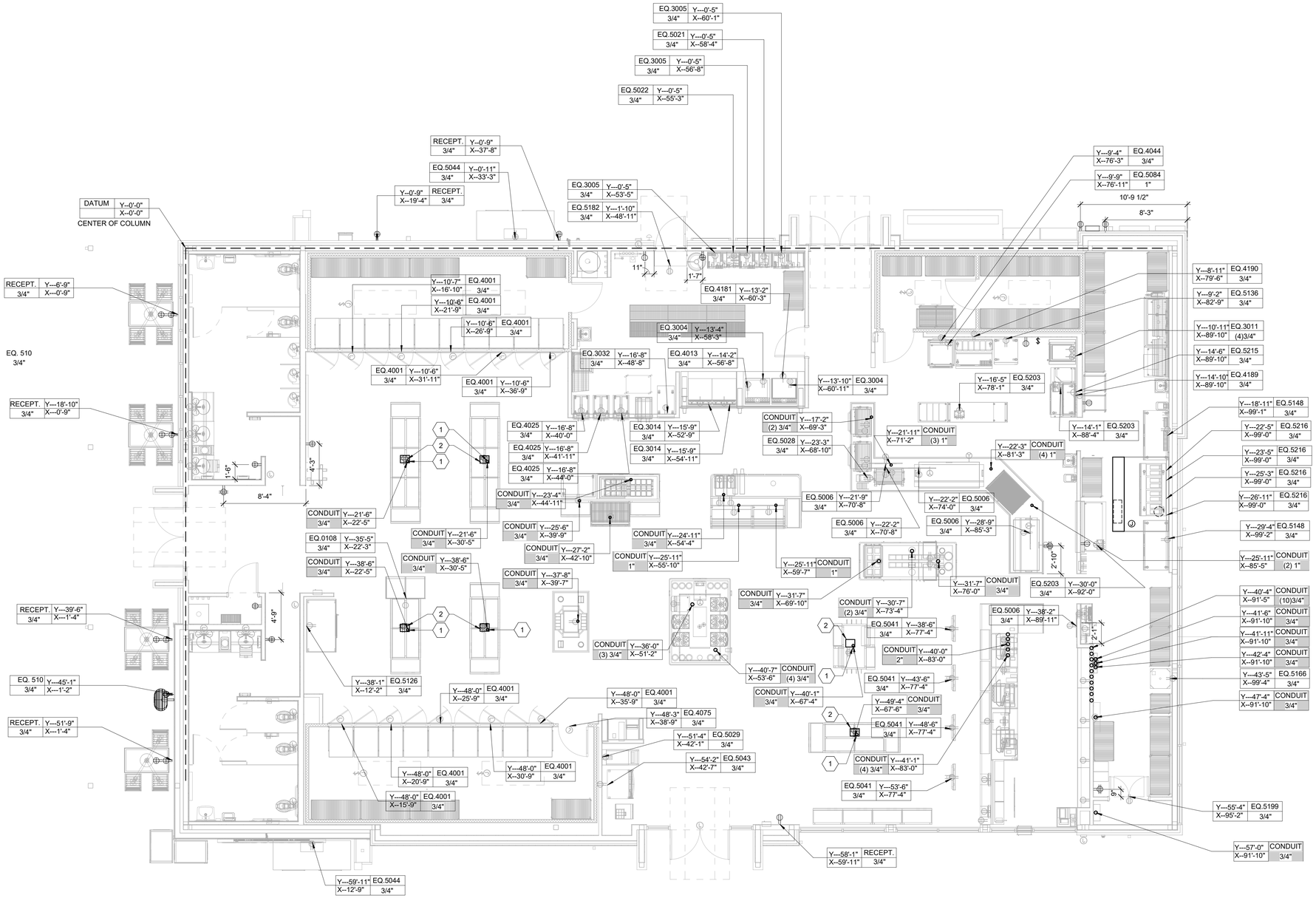
E002

LIGHT FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	VOLTS	WATTS	LAMPS	MFR.	CATALOG #	MOUNTING	NOTES
□	705	CANOPY LIGHTING	208V	118.5	LED	SLOAN	701948-5W-WT-M150-P2-601106	RECESSED CANOPY	
□	705B	TRUCK- CANOPY LIGHTING	208V	118.5	LED	SLOAN	701948-5W-BZ-M150-P2-601106	TRUCK RECESSED CANOPY	
⊡	702(S)	POLE MOUNTED AREA LIGHTING	208V	244	LED	LITHONIA	RSX2 LED-P6-40K-R4-MVOLT -RPA-DDBXD	POLE	1,2,3

NOTES:
1. POLE SHALL BE 28' TALL MANUFACTURED BY LITHONIA LIGHTING. COORDINATE MOUNTING REQUIREMENTS INCLUDING BASE PLATE, BASE COVER, FINISH AND TENON REQUIREMENTS WITH MANUFACTURER PRIOR TO ORDERING. REFER TO CIVIL DRAWINGS FOR BASE DETAIL.
2. COORDINATE TENON REQUIREMENTS WITH MANUFACTURER PRIOR TO ORDERING.
3. POLE SHALL BE 33' TALL MANUFACTURED BY LITHONIA LIGHTING. COORDINATE MOUNTING REQUIREMENTS INCLUDING BASE PLATE, BASE COVER, FINISH AND TENON REQUIREMENTS WITH MANUFACTURER PRIOR TO ORDERING. REFER TO CIVIL DRAWINGS FOR BASE DETAIL.


MH 28'-0"
MH 28'-0"
MH 28'-0"



1 ELECTRICAL ROUGH-IN PLAN
3/16" = 1'-0"

GENERAL NOTES

1. WHERE SHADED BOX CONTAINS EQUIPMENT DESCRIPTION "CONDUIT", MULTIPLE CIRCUITS FOR EQUIPMENT SHOWN IN ISLAND MAY BE ROUTED WITHIN EACH CONDUIT. REFER TO CIRCUIT DESIGNATIONS ON SHEET E110 FOR PANEL ROUTING OF CONDUITS.
2. ADDITIONAL CONDUIT AND WIRING SHALL BE ROUTED IN MILLWORK TO LOCATION OF FINAL ELECTRICAL CONNECTIONS AS REQUIRED.

SHEET KEYNOTES

1	PROVIDE CONDUIT WITH PULL STRING FOR FUTURE USE. CAP THE CONDUIT FLUSH WITH FINISH FLOOR.
2	APPROXIMATE LOCATION OF FLOOR BOX. E.C. SHALL PROVIDE AND INSTALL THE FLOOR BOX AS REQUIRED. E.C. SHALL COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
3	NOTE NOT USED.

LEGEND

DESCRIPTION/ EQUIPMENT# — EQ. XXX

Y (VERTICAL) DIMENSION FROM DATUM POINT: Y--42'-10"

X (HORIZONTAL) DIMENSION FROM DATUM POINT: X--18'-7"

CONDUIT SIZE — CONDUIT 3"

SHADED BOX INDICATED FLOOR SLAB PENETRATION.

1. WALL MOUNTED DEVICES ARE DIMENSIONED TO WALL.
2. CEILING AND FLOOR MOUNTED DEVICES AND/OR PENETRATIONS ARE DIMENSIONED TO THE CENTER OF THE DEVICE/PENETRATION.

DATUM POINT REFERENCE

X DIMENSIONS (HORIZONTAL) ARE TAKEN FROM THE CENTER LINE OF THE COLUMN INDICATED BY THE DATUM POINT.

Y DIMENSIONS (VERTICAL) ARE TAKEN FROM THE CENTER LINE OF THE COLUMN INDICATED BY THE DATUM POINT.

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DESIGN PROFESSIONALS

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.

RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHAUB
09/15/23

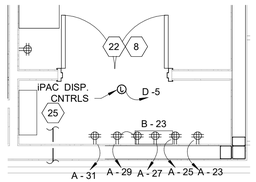
PROJECT NUMBER
2023157.20

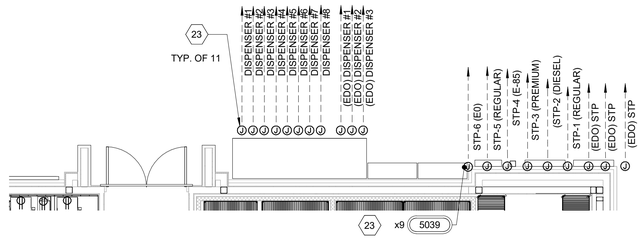
SHEET TITLE

ELECTRICAL ROUGH-IN PLAN

SHEET NUMBER

E100



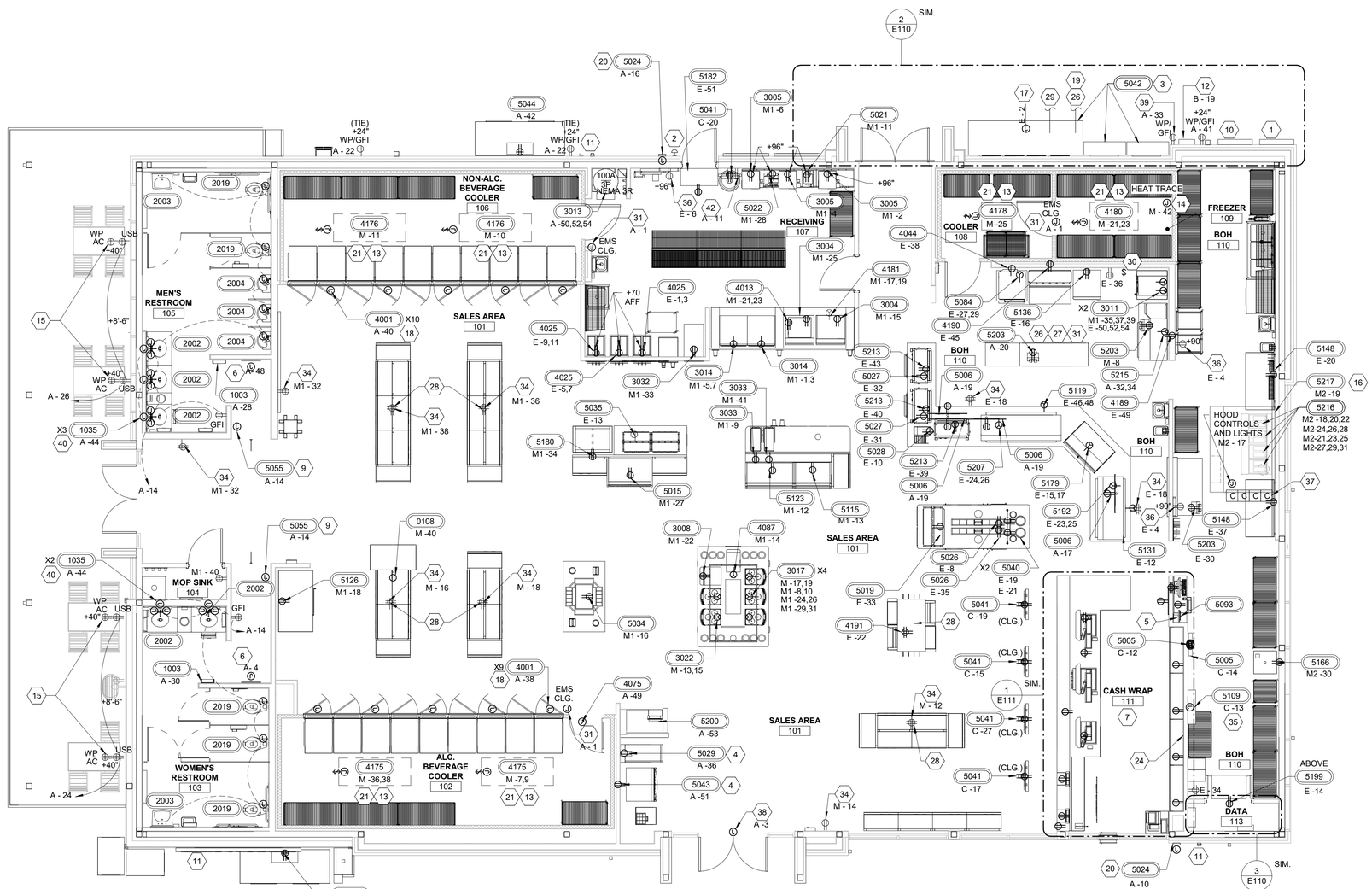


3 ENLARGED ELECTRICAL DATA CLOSET PLAN

3/8" = 1'-0"

2 TYPICAL FUEL PUMP CIRCUITS

3/16" = 1'-0"



1 POWER FLOOR PLAN

3/16" = 1'-0"

GENERAL NOTES

1. ALL CONVENIENCE OUTLETS SHALL BE MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT CONNECTION TYPES AND PROVIDE APPROPRIATE PLUG AND RECEPTACLE. CONTRACTOR IS RESPONSIBLE FOR MAKING ALL FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY OTHERS.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE SEAL-OFF FITTINGS AT EACH WALK-IN COOLER AND FREEZER PENETRATION, AND ON ALL CONDUITS TO AND FROM FUEL AREAS.
4. REFER TO EQUIPMENT KEY NOTES FOR EQUIPMENT IDENTIFICATION, DEVICE TYPES AND CIRCUIT NUMBERS.
5. E.C. RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FOR EVAPORATORS INCLUDING LOW VOLTAGE COMMUNICATION CONNECTIONS.
6. EXTERIOR RECEPTACLES ARE TO BE RECESSED WITH BUILDING FACE.
7. ALL 150VOLT TO GROUND OR LESS, 50 AMPS OR LESS, AND 3-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100A OR LESS IN THE KITCHEN REQUIRED GFCI PROTECTION PER NEC 210 (B). GFCI PROTECTION IS REQUIRED ALSO WITHIN 6'-0" ANY SINK PER NEC 210.8 (B) (7).
8. E.C. SHALL PROVIDE TAMPER RESISTANT RECEPTACLES WHERE APPLICABLE.

SHEET KEYNOTES

1	LOCATION OF ELECTRICAL SERVICE C/T AND METER.
2	WEATHERPROOF SHUNT TRIP PUSH BUTTON IN KEYED KNOX BOX. COORDINATE WITH LOCAL AHJ FOR REQUIREMENTS AND FINAL LOCATION.
3	LOCATION OF ELECTRIC SERVICE EQUIPMENT WITH INTEGRATED FUEL DISPENSING AND LIGHTING CONTROLS. REFER TO SHEET E410 FOR REQUIREMENTS. PROVIDE 3/4" PLYWOOD BACKING, PAINTED WHITE
4	E.C. SHALL COORDINATE COMMUNICATION CABLING REQUIREMENTS WITH SYSTEM SUPPLIER.
5	IPAD CHARGING STATION.
6	RESTROOM SIGNAGE. COORDINATE WITH SIGN MANUFACTURER PRIOR TO ROUGH-IN. MOUNT 75" A.F.F.
7	COORDINATE ALL ROUGH-INS AND BELOW SLAB WORK WITH OTHER TRADES TO AVOID CONFLICT WITH FLOOR SAFE DEPRESSION IN SLAB.
8	PROVIDE (2) CAT 5 LINES FROM THE ATM TO THE TELEPHONE BOARD/FRAME RELAY ROUTER. INSTALL RJ11 CONNECTOR ON LINE TO TELEPHONE BOARD/RJ45 CONNECTOR TO ROUTER.
9	POWER CONVERTER PROVIDED BY PLUMBING CONTRACTOR TO BE INSTALLED BY ELECTRICAL. PROVIDE HARDWIRE CONNECTION FROM POWER CONVERTER TO ALL PLUMBING FIXTURES IN ADJACENT RESTROOM. PROVIDE MANUFACTURER RECOMMENDED CABLE. POWER CONVERTER TO BE INSTALLED IN ACCESSIBLE AREA. FIELD VERIFY FINAL LOCATION PRIOR TO ROUGH-IN.
10	GENERATOR TAP BOX.
11	WEATHERPROOF EMERGENCY FUEL SHUT-DOWN CONTROL. MOUNT 48" AFF. PROVIDED BY RT, INSTALLED AND WIRED BY EC. REFER TO SITE PLAN FOR LOCATION.
12	HYDROPOINT LC+ OR PRO3. MOUNT AT 48" AFF. ROUTE 1-1/2" CONDUIT FOR IRRIGATION. COORDINATE WITH CIVIL PRIOR TO ROUGH-IN.
13	COOLER/FREEZER EVAPORATOR, USE FLEX TO CONNECT TO JUNCTION BOX MOUNTED ABOVE, WIRE THRU SWITCH AS SHOWN.
14	PROVIDE INTERCONNECTING WIRING BETWEEN FREEZER CONDENSING UNIT AND FREEZER EVAPORATOR/DEFROST UNIT AS REQUIRED.
15	RECEPTACLE SHALL BE MOUNTED HORIZONTALLY. REFER TO ARCHITECTURAL SHEET A100.
16	EXHAUST HOOD CONTROL PANEL. E.C SHALL ROUTE KITCHEN EXHAUST FAN (KEF) AND KITCHEN SUPPLY FAN (KSF) THROUGH EXHAUST HOOD CONTROL PANEL AS REQUIRED. E.C. SHALL COORDINATE WITH MECHANICAL PLANS FOR INSTALLATION REQUIREMENTS.
17	PUMP AREA SERVICE RECEPTACLE.
18	DOOR HEATERS AND LIGHTS AS SHOWN.
19	1" SPARE CONDUIT WITH PULL STRING TO TOP OF CANOPY COLUMN AND TERMINATE IN WEATHERPROOF JUNCTION BOX.
20	RACETRAC TO PROVIDE ESCO INTERCOM MODEL SPK-1003 INTERCOM CALL BOX. CONTRACTOR TO INSTALL. ROUTE MANUFACTURER'S RECOMMENDED CABLING IN 1/2"C TO INTERCOM MASTER STATION AT CASH WRAP.
21	EVAPORATOR FED FROM ITS ASSOCIATED CONDENSING UNIT ON ROOF. ALL CONDUITS TO ROUTE DIRECTLY TO EQUIPMENT THROUGH COOLER/FREEZER CEILING PANELS. E.C. SHALL FILL LARGE GAPS AROUND CONDUIT PENETRATIONS WITH 3M FIRE BARRIER SEALANT CP 25WB+, AS REQUIRED.
22	REFER TO DETAILS ON SHEET E600 FOR RECEPTACLE/EQUIPMENT LOCATIONS, TYPICAL.
23	COORDINATE FINAL LOCATION AND ROUTING WITH FUEL EQUIPMENT. REFER TO E410 FOR EQUIPMENT LOCATIONS.
24	CHASE IN WALL CORE CONDUITS AND BRANCH CIRCUITS.
25	PROVIDE (2) 2-4" PVC TO TELCO LOCATION OUTSIDE. VERIFY CONDUIT SIZE & COORD WITH LOCAL TELEPHONE UTILITY. PROVIDE AT TELEPHONE BACKBOARD SQUARE 'D' #PIC27GTA GROUND BAR. RUN #6 BARE GROUND CONDUCTOR TO BUILDING GROUND. LEAVE 6' SLACK FOR CONNECTION BY TELCO. SEE DETAILS 6/E600.
26	(ONE) 1" CONDUIT TO TOP OF CANOPY FOR FUTURE LIGHTING OR SIGNAGE WITH SEAL-OFF AND WEATHERPROOF JUNCTION BOX.
27	1-1/2" CONDUIT FOR IRRIGATION WIRES.
28	E.C. SHALL COORDINATE RECESSED JUNCTION BOX REQUIREMENTS WITH STRUCTURAL.
29	2#10 AND 1#10G IN 1" CONDUIT TO AIR/VAC STATION. REFER TO SITE PLAN FOR LOCATION.
30	EF-3 WALL-SWITCH. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
31	PROVIDE 3/4" CONDUIT WITH PULLSTRING TO JUNCTION BOX ABOVE CEILING FOR FUTURE ENERGY MANAGEMENT SYSTEM.
32	NOTE NOT USED.
33	NOTE NOT USED.
34	PROVISION FOR FUTURE EQUIPMENT.
35	JUNGE CONTROL SYSTEM.
36	FLY LIGHT. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
37	PROVIDE ELECTRICALLY HELD, NORMALLY CLOSED CONTACTOR(S) WITH 120V CONTROL COIL FOR POWERED EQUIPMENT UNDER THE EXHAUST HOOD. PROVIDE NUMBER OF POLES AS REQUIRED FOR CONNECTED LOADS. LOCATE CONTACTOR(S) IN ENCLOSURE IN AN ACCESSIBLE LOCATION ABOVE CEILING NEAR ANSUL COMPARTMENT. LABEL CONTACTOR(S) "SHUNT-TRIP CONTACTORS FOR EXHAUST HOOD LOADS". PROVIDE NECESSARY INTERLOCK BETWEEN ANSUL SYSTEM, SHUNT-TRIP BREAKER, CONTACTOR(S) AND WIRING DEVICES FOR PROPER OPERATION. ALL ENERGY SOURCES UNDER HOOD SHALL SHUT-DOWN DURING EMERGENCY CONDITION.
38	PROVISION FOR FUTURE SIGNAGE.
39	OIL WATER SEPARATOR ALARM. PROVIDE CAT 5 AS REQUIRED.
40	RESTROOM MIRRORS TO BE HARDWIRED. E.C. SHALL COORDINATE WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
41	NOTE NOT USED.
42	2#12 & 1#12GND., IN 3/4" CONDUIT FOR CO2 TANK MONITOR. E.C. SHALL COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

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GREENSBORO GA 30642

2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHULTE
09/15/23

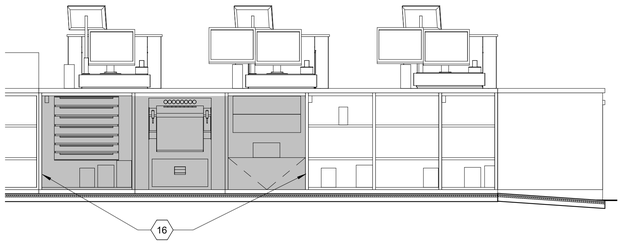
PROJECT NUMBER
2023157.20

SHEET TITLE

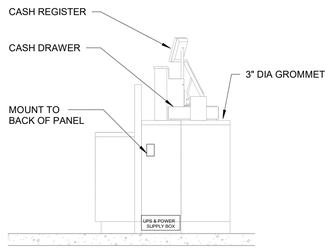
POWER PLAN

SHEET NUMBER

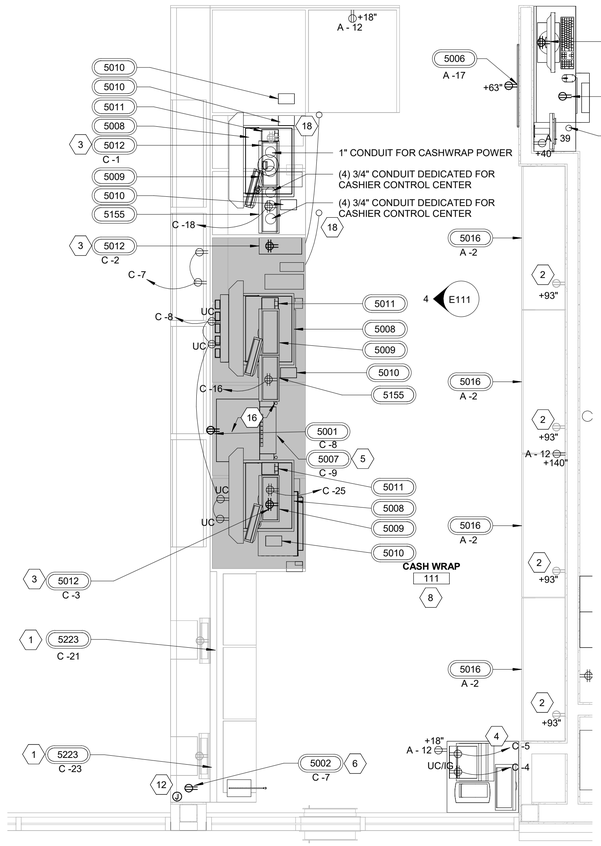
E110



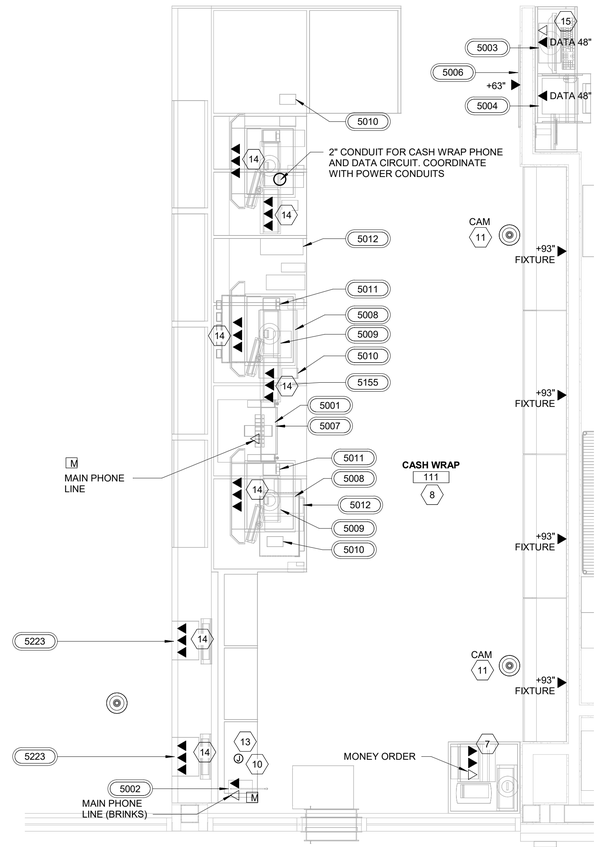
4 CASHWRAP ELEVATION
1/2" = 1'-0"



3 CASHWRAP SECTION
1/2" = 1'-0"



1 ENLARGED CASH WRAP POWER PLAN
1/2" = 1'-0"



2 ENLARGED CASH WRAP LOW VOLTAGE PLAN
1/2" = 1'-0"

GENERAL NOTES

1. ALL CONVENIENCE OUTLETS SHALL BE MOUNTED AT 18" AFF UNLESS NOTED OTHERWISE.
2. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT CONNECTION TYPES AND PROVIDE APPROPRIATE PLUG AND RECEPTACLE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY OTHERS.
3. TWO CAT5 CABLE WITH RJ-45 CONNECTORS IS TO BE PULLED FROM THE ATM TO THE PHONE BOARD. ALL CAT5 CABLES ARE TO BE CLEARLY LABELED (NOT HAND WRITTEN) AT EACH END.

SHEET KEYNOTES

1	E.C. SHALL COORDINATE ALL INSTALLATION AND ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
2	PROVIDE DUPLEX RECEPTACLE FOR FIXTURE LIGHTING. ORIENTATION OF RECEPTACLE SHALL BE HORIZONTAL.
3	POS, UPS, DUPLEX ISOLATED GROUND RECEPTACLE.
4	MONEY ORDER MACHINE, DUPLEX I.G. RECEPTACLE.
5	COIN SAFE, DUPLEX I.G. RECEPTACLE.
6	INTERCOM, DUPLEX RECEPTACLE.
7	ELECTRICAL SUB CONTRACTOR TO INSTALL 100 FEET OF LOTTO CABLE, PROVIDED BY RACETRAC WITH MALE DB9 CONNECTORS, FROM LOTTERY MAIN CONSOLE TO SCANNER NEAR ATM.
8	COORDINATE MOUNTING HEIGHT OF ALL POWER AND DATA DEVICES WITH INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
9	NOTE NOT USED.
10	ROUTE A 1" CONDUIT OVERHEAD AND UNDER CASHWRAP FLOOR WITH (1) 3-PAIR AND (1) 2-PAIR WIRING, FROM TELE/DATA CLOSET TO INTERCOM (REFER TO DETAIL ON SHEET E601). THESE CABLES ARE TO BE HARD-WIRED DIRECTLY INTO THE INTERCOM CONTROL BOX.
11	MERAKI MV22.
12	PROVIDE SINGLE GANG JUNCTION BOX. ROUTE (1) 1/2" CONDUIT WITH PULL STRING TO ABOVE CEILING FOR FUTURE POWER.
13	PROVIDE SINGLE GANG JUNCTION BOX. ROUTE (1) 1/2" CONDUIT WITH PULL STRING UNDER CASHWRAP FLOOR FOR FUTURE COMMUNICATIONS.
14	PROVIDE (3) CAT 5 CABLES AS REQUIRED. E.C. SHALL COORDINATE WITH EQUIPMENT MANUFACTURER PRIOR TO COMMENCING WORK.
15	PROVIDE (3) CAT 5 CABLES AND A PHONE LINE AS REQUIRED. E.C. SHALL COORDINATE WITH EQUIPMENT MANUFACTURER PRIOR TO COMMENCING WORK.
16	DO NOT INSTALL RECEPTACLES IN THE HATCHED AREA.
17	PROVIDE 3/4" CONDUIT FOR WALL DROP TO MANAGER'S DESK. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
18	PROVIDE 1/2" FLEX SEAL UNDER CASHWRAP FLOOR TO SCO'S. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHAUB

09/15/23

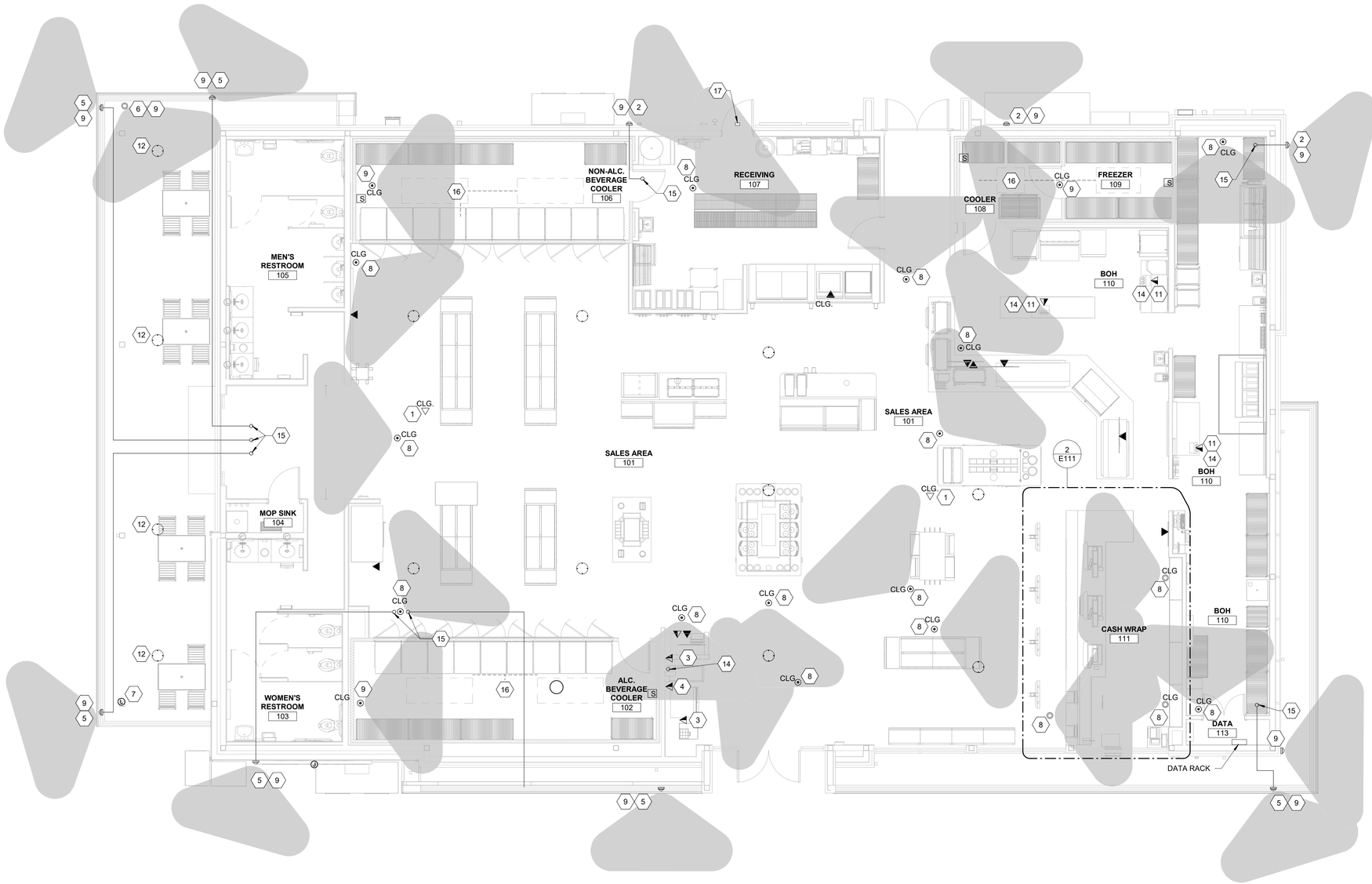
PROJECT NUMBER
2023157.20

SHEET TITLE

ENLARGED POWER PLANS

SHEET NUMBER

E111



1 LOW VOLTAGE PLAN
3/16" = 1'-0"

GENERAL NOTES

1. SECURITY SYSTEM, INCLUDING MONITOR, RECORDER, CAMERAS, EQUIPMENT UPS AND 500 FT. ROLL OF RG591 CABLE TO BE PROVIDED BY RACE TRAC AND INSTALLED BY THE RACE TRAC VENDER
2. SECURITY SYSTEM AND UPS TO BE LOCATED ON SHELVING AND CONNECTED AS SHOWN ON SHEET E600.
3. ALL SECURITY SYSTEM CABLES TO BE RUN OVERHEAD IN ACCESSIBLE CEILING SPACE (BY RACETRAC VENDOR).
4. COORDINATE ALL CAMERA LOCATIONS WITH RACE TRAC BEFORE INSTALLATION.
5. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT CONNECTION TYPES AND PROVIDE APPROPRIATE PLUG. CONTRACTOR IS RESPONSIBLE FOR MAKING ALL FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY OTHERS.
6. PROVIDE MANUFACTURE RECOMMENDED CABLING TO FUEL CANOPY SECURITY CAMERA. SEE ELECTRICAL SITE PLAN FOR LOCATION.
7. TWO CAT 5 CABLE WITH RJ-45 CONNECTORS IS TO BE PULLED FROM THE ATM TO THE DATA PANEL. ALL CAT 5 CABLE IS TO BE CLEARLY LABELED AT EACH END. ALL RJ-45 CONNECTORS/JACKS TO BE AT&T TYPE 110 TERMINATION (KEYSTONE).
8. LEVITION # 45080-256 WALL PLATE WITH THE FOLLOWING "QUICK PORTS" CONNECTORS,
   MAIN STORE PHONE #41106-VOICE

   UTILITY PHONE #41106-VOICE

   VEEDER ROOT #41108-DATA (RJ-45) WIRE STRAIGHT THROUGH & TERMINATE @ DATA PANEL. COMPUTER #41108-DATA (RJ-45) WIRE STRAIGHT THROUGH & TERMINATE @ DATA PANEL.L

   SAFE #41008-DATA (RJ-45) WIRE STRAIGHT THROUGHOUT & TERMINATE @ DATA PANEL.

   LABEL ALL CONNECTIONS AND PLUG 6TH CONNECTOR OPENING (NO HAND WRITTEN LABELS).
9. PROVIDE #H32400 (PLENUM, OVERALL FOIL SHIELD, MULTICONDUCTOR CABLE) LOW VOLTAGE 4 CONDUCTOR, 18 GAUGE (18/4) SHIELDED WIRE REQUIRED FOR INTERCOM WIRING. ACCEPTABLE ALTERNATE SHALL BE #WCW89418FEQ, PLENUM RATED, 18 GAUGE, 4 CONDUCTOR DATA COMMUNICATIONS CABLE.
10. PROVIDE #H32600 (PLENUM, OVERALL FOIL SHIELD, TWISTED PAIR CABLE) LOW VOLTAGE 2 CONDUCTOR, 18 GAUGE (18/2) SHIELDED WIRE REQUIRED FOR VEEDER ROOT WIRING. ACCEPTABLE ALTERNATE SHALL BE #WCW88760FEQ, PLENUM RATED, 18 GAUGE, 2 CONDUCTOR (18/2) DATA COMMUNICATIONS CABLE.
11. CAT6 BLUE PLENUM CABLE FOR INTERIOR CAMERAS, MONITORS, AND DISPLAYS.
12. CAT6 OSP CABLE (OUTSIDE PLANT) FOR EXTERIOR RUNS LESS THAN 300'.
13. GAMECHANGER CABLE FOR EXTERIOR RUNS MORE THAN 300', WITH A MAXIMUM CAPACITY OF 2 RUNS PER 1" CONDUIT, 3-4 RUNS IN 1.5"-2" CONDUIT.

SHEET KEYNOTES

1	OUTLETS LOCATED ABOVE CEILING FOR FUTURE WIRELESS ACCESS POINT.
2	MOUNT SECURITY CAMERA AT 10'-6".
3	PROVIDE MANUFACTURER RECOMMENDED CABLING BACK TO TELECOMMUNICATIONS CLOSET. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
4	PROVIDE (2) CAT5 LINES FROM ATM TO TO THE TELEPHONE BOARD/FRAME RELAY ROUTER. INSTALL RJ11 CONNECTOR ON LINE TO TELEPHONE BOARD/RJ45 CONNECTOR TO ROUTER.
5	MOUNT SECURITY CAMERA AT 9'-10".
6	MOUNT SECURITY CAMERA TO B.O. CEILING.
7	L.V.E.C SHALL PROVIDE (1) SPARE 3/4" CONDUIT WITH PULL-STRING.
8	MERAKI MV22
9	MERAKI MV72
10	NOTE NOT USED.
11	PROVIDE ETHERNET CABLE TO LABEL PRINTER AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO COMMENCING WORK.
12	EXTERIOR GRADE RECESSED SPEAKER.
13	NOTE NOT USED.
14	PROVIDE 3/4" CONDUIT FOR INTERIOR DROPS (LABEL PRINTER & ATM DROPS). COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
15	PROVIDE 3/4" CONDUIT FOR EXTERIOR (MASONRY WALL & ACM CANOPIES). COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
16	LOW VOLTAGE ROUTING FOR EACH SYSTEM TO RUN VERTICALLY FROM EVAPORATOR WITHIN COOLER/FREEZER TO ROOF TOP CONDENSER. THE ROUTING FOR EACH SYSTEM WILL GO ON THE UNIT CLOSEST TO THE CONDENSING UNIT.
17	HORN STROBE WITH WARNING SIGNAGE.

CAMERA ANGLE LEGEND

CAMERA VIEW ANGLE. REFERENCE VENDOR INSTALLATION GUIDE FOR MORE INFORMATION

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DESIGN PROFESSIONALS

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ISSUE/REVISION RECORD

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RaceTrac.
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200 GALLERIA PARKWAY SOUTHEAST
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ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037535 PROFESSIONAL ENGINEER STEVEN P. SCHUB
09/15/23

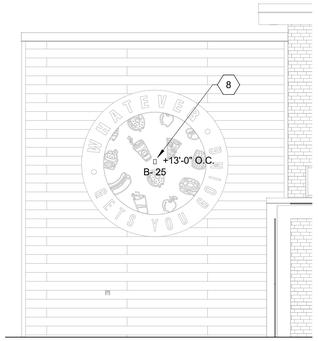
PROJECT NUMBER
2023157.20

SHEET TITLE

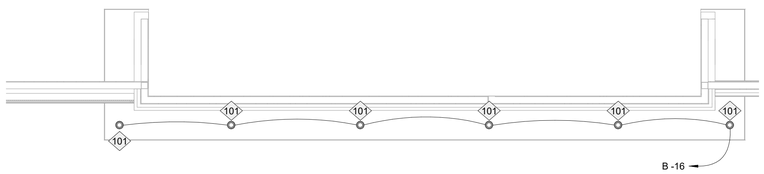
LOW VOLTAGE PLAN

SHEET NUMBER

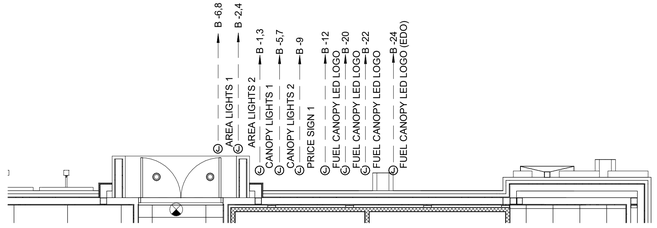
E120



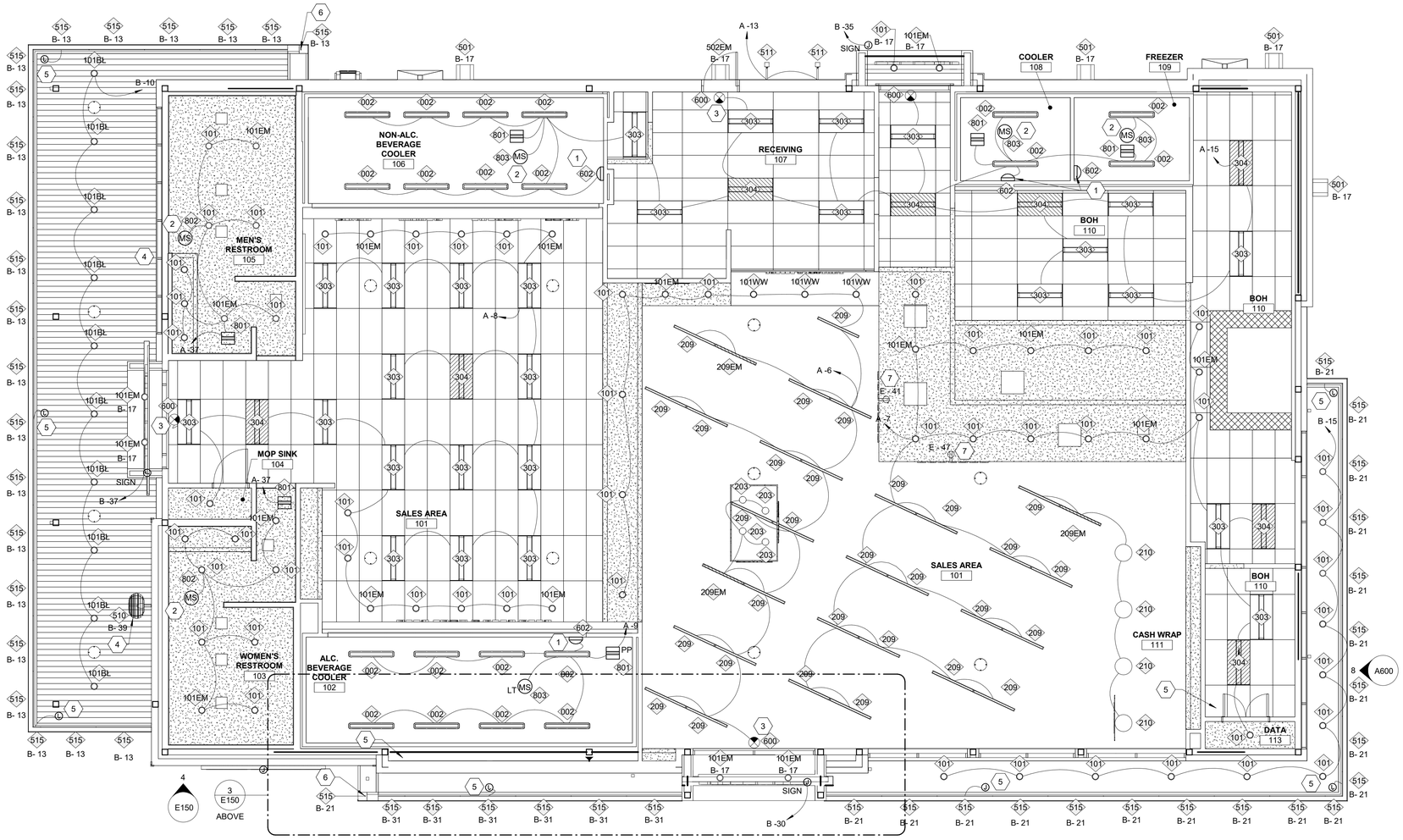
4 CORNER TOWER FRONT ELEVATION
3/16" = 1'-0"



3 FRONT TOWER LIGHTING
3/16" = 1'-0"



2 TYPICAL SITE LIGHTING CIRCUITS
3/16" = 1'-0"



1 LIGHTING PLAN
3/16" = 1'-0"

GENERAL NOTES

1. ALL EXIT SIGNS AND/OR EMERGENCY LIGHTS SHALL BE CONNECTED AHEAD OF ANY LIGHT SWITCHES. DO NOT SWITCH EXIT SIGNS AND/OR EMERGENCY LIGHTS INDICATED WITH LETTERS 'EM'. AN UNSWITCHED HOT CONDUCTOR SHALL BE ROUTED DIRECTLY FROM THE PANELBOARD TO THE FIXTURE (BY-PASS ANY CONTRACTORS).
2. SEE LIGHT FIXTURE SCHEDULE (E001) FOR FIXTURE INFORMATION.
3. COORDINATE ALL BUILDING MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

SHEET KEYNOTES

1	WALL MOUNTED EMERGENCY EGRESS FIXTURE.
2	OCCUPANCY SENSOR TO CONTROL LIGHTS.
3	EXIT SIGN TO BE WALL MOUNTED. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
4	E.C. SHALL PROVIDE DARK BRONZE RECEPTACLE COVER FOR PATIO FANS. E.C. SHALL INSTALL RECEPTACLE AT 6'-6" A.F.F.
5	E.C. SHALL PROVIDE 120VAC POWER SUPPLY IN ACCESSIBLE LOCATION FOR EXTERIOR STRIP LIGHTING. COORDINATE WITH LIGHTING MANUFACTURER FOR INTERCONNECTING WIRING. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
6	REFERENCE DETAIL 12/A431 FOR EXACT LOCATION OF LIGHT FIXTURE.
7	COORDINATE RECEPTACLE HEIGHT AND LOCATION WITH G&G SIGN MANUFACTURER, AS REQUIRED.
8	PROVIDE JUNCTION BOX ON INTERIOR WALL AND WHIP FOR MARKETING SIGNAGE. PROVIDE BLOCKING AS REQUIRED. SEE SUPPLEMENTAL DOCUMENTS FOR ADDITIONAL INFORMATION.

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHAUB
09/15/23

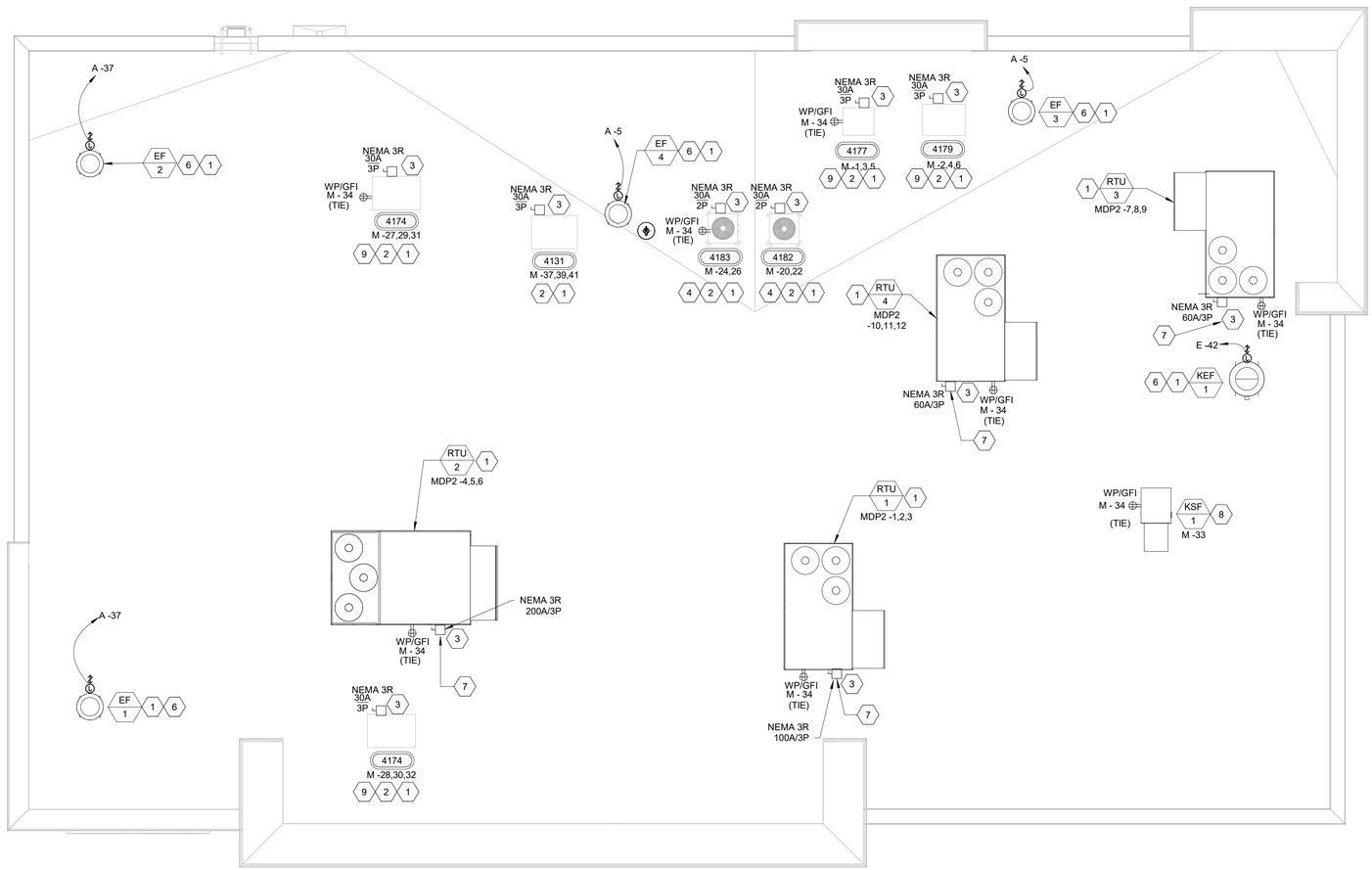
PROJECT NUMBER
2023157.20

SHEET TITLE

LIGHTING PLAN

SHEET NUMBER

E150



1 ELECTRICAL ROOF PLAN

3/16" = 1'-0"

GENERAL NOTES

1. DISCONNECTS FOR HVAC EQUIPMENT FURNISHED BY HVAC MANUFACTURER,UNLESS OTHERWISE NOTED.
2. DISCONNECTS FOR REFRIGERATION EQUIPMENT PROVIDED BY EC.
3. RECEPTACLES SHOWN ON ROOF TOP UNITS (RTU'S) PROVIDED BY HVAC MANUFACTURER. WIRING TO THE RECEPTACLES BY EC. ALL OF OTHER RECEPTACLES SHALL BE FURNISHED AND INSTALLED BY EC.
4. ELECTRICAL CONTRACTOR TO APPLY NAME LABELS TO COMPRESSOR HOUSINGS AFTER INSTALLATION. LABELS SUPPLIED BY RACETRAC.

SHEET KEYNOTES

1	ELECTRICAL CONTRACTOR SHALL PROVIDE ALL INTERCONNECTING WIRE AND OVER CURRENT PROTECTION REQUIRED BY THE MANUFACTURER. REFER TO INSTALLATION INSTRUCTIONS.
2	ROUTE BRANCH CIRCUITS DOWN THROUGH ROOF VIA REFERIGERANT LINE ROOF JACK PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE 'ATR' HUB LOCATIONS WITH ARCHITECTURAL & MECHANICAL DRAWINGS.
3	FUSES ACCORDING TO MANUFACTURER RECOMMENDATIONS, PROVIDED BY RACETRAC.
4	CONDENSER TO BE FED FROM ITS ASSOCIATED ICE MAKER ON SALES FLOOR.
5	NOTE NOT USED.
6	EXHAUST FANS EF-1 & EF-2 SHALL BE CONTROLLED BY OCCUPANCY SENSOR IN RESTROOMS.
7	E.C. SHALL INSTALL DISCONNECT SWITCH FURNISHED BY RACETRAC. REFERENCE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
8	E.C. SHALL PROVIDE 2#10, 1#10G., IN 3/4" CONDUIT.
9	LOW VOLTAGE ROUTING FOR EACH SYSTEM TO RUN VERTICALLY FROM EVAPORATOR WITHIN COOLER/FREEZER TO ROOF TOP CONDENSER. THE ROUTING FOR EACH SYSTEM WILL GO ON THE UNIT CLOSEST TO THE CONDENSING UNIT.

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHUB

09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

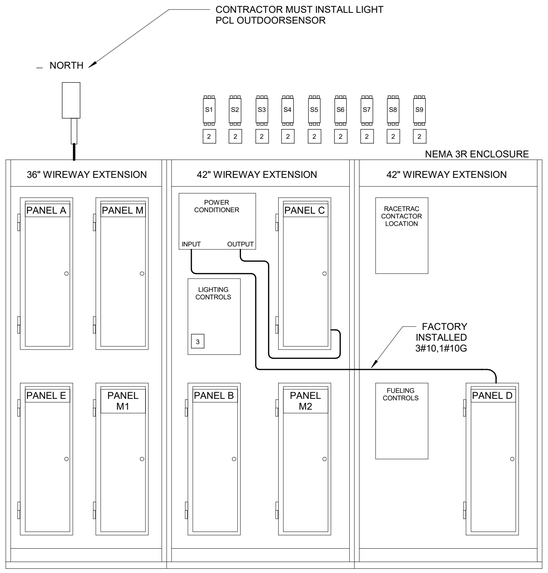
ROOF POWER PLANS

SHEET NUMBER

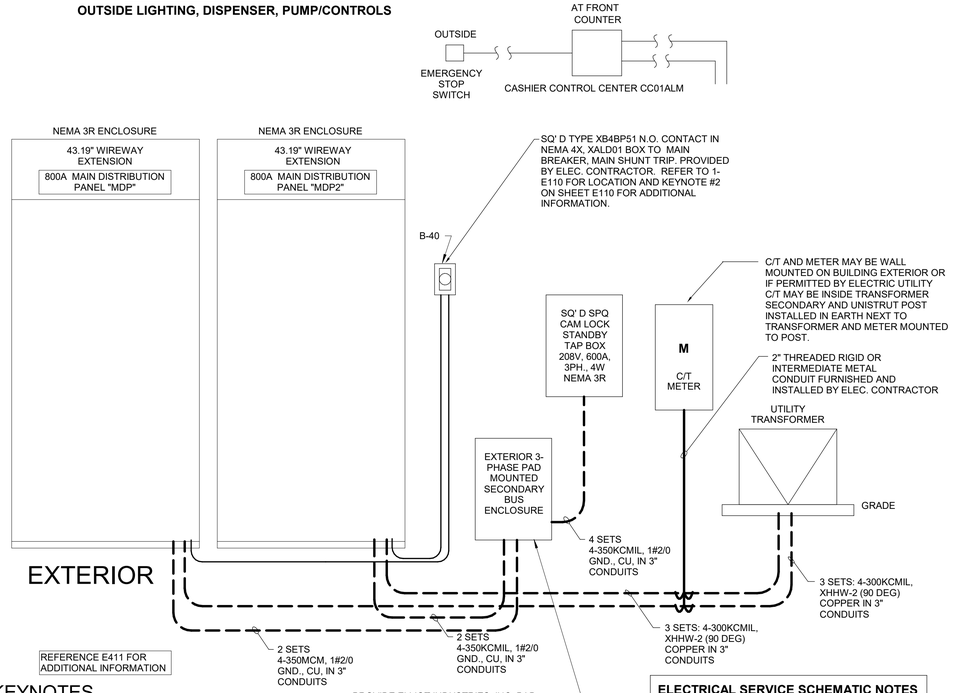
E200

CABINET LAYOUT

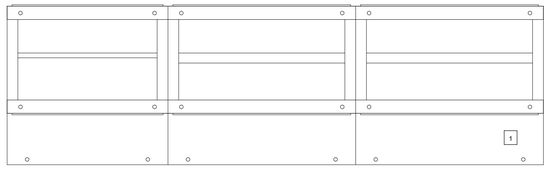
OUTSIDE LIGHTING, DISPENSER, PUMP/CONTROLS



EXTERIOR



EXTERIOR



2 ELECTRICAL SERVICE SCHEMATIC ELEVATION

N.T.S

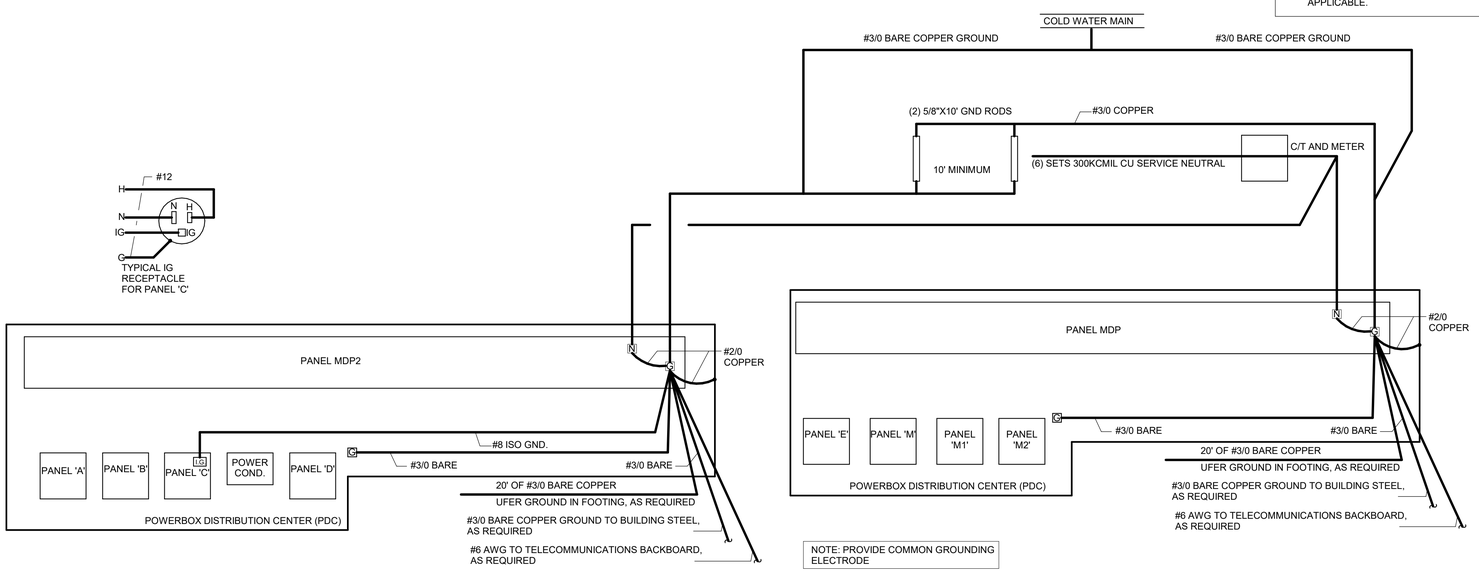
KEYNOTES

1. ROUTE LOW VOLTAGE SPEAKER WIRES THROUGH 26" WIREWAY UP TO LOW VOLTAGE DISCONNECT.
2. ROUTE 3#10 & 1#10G IN 3/4" C FROM PANEL D UP TO VARIABLE FREQUENCY CONTROLLER (VFC). ROUTE 3#10 & 1#10G IN 3/4" C FROM VFC TO SUBMERSIBLE TURBINE PUMPS.
3. CONTACTORS, RELAYS, AND CONTROLS SHALL BE RATED FOR 10KAIC. A MINIMUM OF 5'-0" LENGTH OF WIRES SHALL BE PROVIDED BETWEEN THE PANELS AND THE CONTROLS.

ELECTRICAL SERVICE SCHEMATIC NOTES

(ALL LAYOUTS SHALL BE COORDINATED WITH SQUARE D PRE-FABRICATED ASSEMBLY)

1. THE SQUARE D IPaCS ELECTRICAL DISTRIBUTION AND CONTROL PANEL IS INSTALLED BY THE ELECTRICAL CONTRACTOR AND FURNISHED BY THE OWNER OR AS SPECIFIED.
   - 1.1. THIS CONTROL PANEL INCLUDES ALL SQUARE D PANELBOARDS, BREAKERS, LIGHTING CONTROLS, DISPENSER AND SUBMERSIBLE PUMP CONTROLS, PILOT LIGHTS, SWITCHES, TERMINAL STRIPS AND POWER CONDITIONING DEVICES WHICH ARE PREINSTALLED AND INTERNALLY PREWIRED.
   - 1.2. THE ENCLOSURE MATERIAL IS 1/8" ALUMINUM.
   - 1.3. THE ENTIRE BOTTOM OF CABINET IS OPEN EXCEPT FOR A 1" FLANGE ON EACH SECTION.
   - 1.4. THE ENTIRE TOP OF CABINET IS SOLID. HOLES CAN BE KNOCKED OUT FOR CONDUIT ENTRY EVERYWHERE EXCEPT WHERE CABINETS JOIN TOGETHER.
2. THE METER CABINET, AND PULL SECTION EQUIPMENT LOCATED OUTSIDE THE BUILDING IS NOT PART OF THE SQUARE D IPaCS SYSTEM IF APPLICABLE.



1 SINGLE LINE DIAGRAM GROUNDING

N.T.S

MAIN DISTRIBUTION PANEL: MDP

Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:** 65,000 SERIES RATED
Supply From: UTILITY | **Phase...** 3 | **Mains Type:** MCB 100% RATED
Mounting: PRE-FABRICATED | **Wires:** 4 | **Mains Rating:** 800 A
Enclosure: PRE-FABRICATED (NEMA 3R) | **MCB Rating:** 800 A

Notes	CKT	Circuit Description	Circuit Information	Trip	Poles	A	B	C
	1					17329 VA		
P	2	PANEL E	4#3/0, , & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3		20077 VA	
	3							23584 VA
	4					22599 VA		
P	5	PANEL M	4#3/0, , & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3		20319 VA	
	6							20493 VA
	7					19141 VA		
P	8	PANEL M1	4#3/0, , & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3		18885 VA	
	9							19668 VA
	10					19425 VA		
P	11	PANEL M2	4#3/0, , & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3		18925 VA	
	12							21085 VA
	13	SPARE		20 A	1	0 VA		
	14	SPARE		20 A	1		0 VA	
	15	SPARE		20 A	1			0 VA
	16					0 VA		
	17	SPD	3#10, & 1#10GND., IN 3/4" CONDUIT	30 A	3		0 VA	
	18							0 VA
--	19	SPACE		--	1	--		
--	20	SPACE		--	1		--	
	21							0 VA
	22	MAIN BREAKER	REFER TO ELEC. SERVICE SCHEMATIC ELEV. FOR SERVICE CONDUCTORS	800 A	3	0 VA		
	23						0 VA	
--	24	SPACE		--	1			--
	25					0 VA		
	26	GENERATOR CONNECTION BOX	(2) SETS 4#350KCMIL, & 1#2/0 GND., IN 3" CONDUIT (KIRK KEY INTERLOCK)	600 A	3		0 VA	
	27							0 VA
--	28	SPACE		--	1	--		
--	29	SPACE		--	1		--	
	30	SPARE		20 A	1			0 VA
	31	SPARE		20 A	1	0 VA		
	32	SPARE		20 A	1		0 VA	
	33	SPARE		20 A	1			0 VA
	34	SPARE		20 A	1	0 VA		
	35	SPARE		20 A	1		0 VA	
	36	SPARE		20 A	1			0 VA
	37	SPARE		20 A	1	0 VA		
	38	SPARE		20 A	1		0 VA	
	39	SPARE		20 A	1			0 VA
	40	SPARE		20 A	1	0 VA		
	41	SPARE		20 A	1		0 VA	
	42	SPARE		20 A	1			0 VA
--	43	SPACE		--	1	--		
--	44	SPACE		--	1		--	
--	45	SPACE		--	1			--
--	46	SPACE		--	1	--		
--	47	SPACE		--	1		--	
--	48	SPACE		--	1			--
--	49	SPACE		--	1	--		
--	50	SPACE		--	1		--	
--	51	SPACE		--	1			--
--	52	SPACE		--	1	--		
--	53	SPACE		--	1		--	
--	54	SPACE		--	1			--
					Total Load:	78494 VA	78205 VA	84830 VA
					Total Amps:	654 A	652 A	707 A

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	2060 VA	100.00%	2060 VA		
Other	80660 VA	100.00%	80660 VA	**Total Conn. Load:**	241529 VA
Power	1560 VA	100.00%	1560 VA	**Total Est. Demand:**	189642 VA
Receptacle	8000 VA	100.00%	8000 VA	**Total Conn. Current:**	670 A
Spare	1000 VA	100.00%	1000 VA	**Total Est. Demand Current:**	526 A
Kitchen Equipment	148248 VA	65.00%	96361 VA		

Notes:

NOTES FOR THIS DRAWING

1. THE POWERWALL DISTRIBUTION CENTER (PDC) IS INSTALLED BY THE ELECTRICAL CONTRACTOR AND FURNISHED BY THE OWNER.THIS CONTROL PANEL INCLUDES ALL SQUARE 'D' PANELBOARDS, BREAKERS, LIGHTING CONTRACTORS, CONTROLS, DISPENSER, AND SUBMERSIBLE PUMP CONTROLS. PILOT LIGHTS, SWITCHES, TERMINAL STRIPS, AND PANEL 'C' POWER CONDITIONER ARE PREINSTALLED AND INTERNALLY PREWIRED.ALL CIRCUIT BREAKERS, LIGHTING CONTROLS WITH BYPASS SWITCHES, DISPENSER AND SUBMERSIBLE PUMP CONTROLS, AND REMOTE EMERGENCY STOP CONTROLS ARE PREWIRED TO TERMINAL STRIPS AT THE TOP OR BOTTOM OF THE PDC. ALL NEUTRAL BARS AND GROUND BARS ARE FURNISHED WITH THE SYSTEM. A SPECIAL ISOLATED GROUND BAR IS FURNISHED WITH PANEL 'C'. REFER TO PDC SHOP DRAWINGS FOR TERMINATION POINTS.
2. CASHIER CONTROL CENTER (CONTAINS EMERGENCY STOPS, RESET SWITCH, ALARMS AND LIGHTING OVERRIDE SWITCH), AUXILIARY EMERGENCY STOPS, AND LIGHT SENSOR ARE FURNISHED WITH PDC, INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE SHOP DRAWINGS MUST IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
4. ELECTRICAL CONTRACTOR SHALL BALANCE THE LOAD ON EACH PHASE LEG USING THE UNUSED "AREA LIGHTS", "CANOPY LIGHTS", AND BUILDING SIGNAGE CIRCUITS (STAYING WITHIN SIMILAR BUILDING FUNCTIONS).
5. DISCONNECT SWITCHES ARE NOTED AS SIZE/FUSES (EXAMPLE: 60/40 IS 60 AMP FUSED DISCONNECT SWITCH WITH 40 AMP FUSES).
6. WIRE SIZE OF BRANCH CIRCUITS SHALL BE MINIMUM #12 AWG, BUT NO LESS THAN PERMITTED BY THE NEC FOR SPECIFIED OVERCURRENT PROTECTION.
7. ALL FEEDER CONDUCTORS NOT INTERNAL TO THE INTEGRATED PACKAGE SHOULD BE SHOWN AS DASHED, AND WIRING SHOWN DASHED IS NOT INSTALLED BY POWERWALL, AND SIZED PER NEC, BASE ON ORIGINATING BREAKER SEE APPROPRIATE PANELBOARD SCHEDULES.
8. THE PDC IS UL LISTED. STANDARD ASSEMBLY IS 65,000 AIC SERIES RATED WITH FEEDER BREAKER. EC SHALL VERIFY AVAILABLE FAULT CURRENT AND SERVICE CHARACTERISTICS WITH LOCAL ELECTRIC UTILITY COMPANY PRIOR TO ORDERING PDC.
9. THE PDC WILL BE SHIPPED IN SECTIONS ON A PALLET & BOLTED TOGETHER AT THE JOBSITE. COORDINATE WITH THE GENERAL CONTRACTOR.
10. ELECTRICAL CONTRACTOR MUST TERMINATE ALL CONTROLLED BRANCH CIRCUITS FOR LIGHTING AND FUEL CABINET. BRANCH CIRCUITS FOR UNCONTROLLED LOADS CONNECT DIRECTLY TO RESPECTIVE CIRCUIT EQUIPMENT & CONTROL WIRING AT THE TERMINAL STRIPS AT THE TOP OR BOTTOM OF THE POWERWALL BREAKERS IN THE PANELS.
11. LOCATE OUTDOOR LIGHT SENSOR ON ROOF FACING NORTH. LIGHT SENSOR CONTROL WIRING IS FURNISHED AS PART OF THE POWERWALL PACKAGE. AIM SENSOR EYE AWAY FROM ARTIFICIAL LIGHT SOURCES. INSTALL IN ACCORDANCE WITH SHOP DRAWINGS.
12. SUBMERSIBLE PUMP POWER WIRING MUST BE #10AWG. A SEPARATE #10 AWG GROUNDING CONDUCTOR MUST BE RUN FROM EACH PUMP TO PANEL 'D' GROUND BAR.
13. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFI.
14. ALL BRANCH CIRCUITS FOR PANEL 'C' LOADS SHALL INCLUDE A GROUNDING CONDUCTOR AND AN ISOLATED GROUNDING CONDUCTOR, WHICH SHALL BE CONNECTED TO THE PANEL 'C' ISOLATED GROND BAR.
15. A VARIETY OF MAIN GROUNDING METHODS ARE INDICATED. METHOD(S) SHALL BE IN ACCORDANCE WITH LOCAL REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL PERFORM A FALL OF POTENTIAL TEST, IN ACCORDANCE WITH IEEE STD. 81, TO ENSURE A MAXIMUM EARTH GROUND RESISTANCE OF 25 OHMS AS REQUIRED BY THE NEC.
16. PROVIDE 3/4" RIGID CONDUIT FROM PDC TO EACH SUBMERSIBLE TURBINE PUMP. PROVIDE WIRING IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
17. PROVIDE ALL WIRING FOR TANK MONITORING SYSTEM. WIRING SHALL BE CONTINUOUS WITH NO SPLICES. DO NOT SHARE CONDUITS WITH OTHER WIRING SYSTEMS.
18. (1) 3/4" RIGID CONDUIT TO EACH TANK GAUGE MANHOLE
19. (1) 3/4" RIGID CONDUIT TO ALL INTERSTITIAL MONITORS
20. (1) 1" RIGID CONDUIT TO EACH STP MANHOLE IN TANK SLAB
21. PROVIDE ALL WIRING FOR DISTRIBUTION BOX AND GAS CONSOLE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
22. E.C. SHALL PROVIDE LABELS ON ELECTRICAL EQUIPMENT PER NEC 110.16 AND LOCAL JURISDICTION REQUIREMENTS.
23. ELECTRICAL CONTRACTOR (EC) SHALL PROVIDE AN OUTDOOR EMERGENCY BUTTON TO KILL ALL BUILDING POWER. EC SHALL PROVIDE SHUNT TRIP KIT MA1-1021 FOR EACH 800/3P MAIN BREAKER. PROVIDE WEATHERPROOF EMERGENCY REMOTE CUTOFF SWITCH KNOX #KS-2P SPST KEYED PER LOCAL FIRE DEPARTMENT REQUIREMENTS. POWER FROM CKT B-40. PROVIDE PERMANENT SIGN "EMERGENCY POWER DISCONNECT 1 OF 1". LOCATE ON OUTSIDE OF BUILDING PER AUTHORITIES' DIRECTION.
24. PROVIDE KIRK-KEY INTERLOCK BETWEEN MAIN BREAKER AND 600A SPARE (GENERATOR) BREAKER. ONLY ONE BREAKER SHALL BE CAPABLE OF BEING ENERGIZED AT ANY GIVEN TIME.
25. WIRING OF HVAC UNITS POWER, SMOKE DETECTION, AND CONTROL WIRING BY ELECTRICAL CONTRACTOR.

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DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

PROJECT NUMBER

2023157.20

SHEET TITLE

ELECTRICAL RISER DIAGRAM

SHEET NUMBER

E410

Branch Panel: A

Location: BUILDING EXTERIOR
Supply From: MDP2
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Notes
	1	FUTURE EMS SYSTEM	20 A	1	600	200					1	20 A	CIGARETTE DISPLAY #5016	2	
	3	FUTURE SIGNAGE	20 A	1			1000	1000			1	20 A	WOMENS RR SIGNAGE	4	
	5	EF-3 & EF-4	20 A	1					1056	983	1	20 A	SALES AREA LTG	6	
	7	SALES AREA LIGHTING	20 A	1	2156	1223					1	20 A	SALES AREA LTG	8	
	9	LIGHTING ALC. BEVERAGE COOLER	20 A	1			287	200			1	20 A	INTERCOM CALL BOX #5024	10	
	11	CO2 ALARM	20 A	1					180	540	1	20 A	CASHWRAP RECEPTACLE	12	
GB	13	REAR BANNER LIGHTS	20 A	1	102	710					1	20 A	MEN/WOMEN RR PWR CONVERTERS	14	EM
	15	LTG FREEZER, COOLER, RECEIVING	20 A	1			1104	200			1	20 A	INTERCOM CALL BOX #5024	16	
	17	COMMERCIAL DISPLAY #5006	20 A	1					1600	1200	1	20 A	EXT ICE MERCHANDISER #5044	18	
	19	COMMERCIAL DISPLAY #5006	20 A	1	2400	180					1	20 A	LABEL PRINTER #5203	20	
	21	SPARE	20 A	1			0	360			1	20 A	EXTERIOR BUILDING RECEPTACLES	22	GB
	23	DATA CLOSET RECEPTACLE	20 A	1					360	720	1	20 A	EXTERIOR RECEPTS SEATING AREA	24	GB
	25	DATA CLOSET RECEPTACLE	20 A	1	360	720					1	20 A	EXTERIOR RECEPTS SEATING AREA	26	GB
	27	DATA CLOSET RECEPTACLE	20 A	1			360	1725			1	20 A	HAND DRYER #1003	28	
	29	GILBARCO CONSOLE RECEPTACLE	20 A	1					200	1725	1	20 A	HAND DRYER #1003	30	
	31	DATA CLOSET RECEPTACLE	20 A	1	360	1799					2	30 A	HOLDING CABINET #5215	32	GB
	33	OIL WATER SEPARATOR ALARM	20 A	1			180	1799						34	
	35	COMMERCIAL DISPLAY #5006	20 A	1					800	1200	1	20 A	ATM #5029	36	GB
EM	37	RESTROOM LIGHTS & EFS	20 A	1	1740	90					1	20 A	COOLER DISPLAY DOORS #4001	38	
	39	IPAD CHARGING STATION	20 A	1			180	100			1	20 A	COOLER DISPLAY DOORS #4001	40	
	41	TANK DRAIN	20 A	1					180	1200	1	20 A	EXT ICE MERCHANDISER #5044	42	
	43				3446	1500					1	20 A	MEN/WOMEN RR MIRRORS	44	
	45	PANEL N1	60 A	3			2974	100			1	20 A	INFRARED STRIP HTR CONTROLS	46	
	47								2966	1000	1	20 A	MENS RR SIGNAGE	48	
	49	BEER CAVE DOOR #4075	20 A	1	10	6000								50	
	51	LOTTO MACHINE #5043	20 A	1			200	6000			3	70 A	WATER HEATER (3#4, 1#8G., IN 1-1/4"C.)	52	
	53	SELF CHECKOUT #5200	20 A	1					420	6000				54	
				Total Load:	23597 VA		17769 VA		22330 VA						
				Total Amps:	202 A		148 A		192 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	20112 VA	100.00%	20112 VA		
Lighting	8765 VA	125.00%	10957 VA	**Total Conn. Load:**	63696 VA
Other	2022 VA	100.00%	2022 VA	**Total Est. Demand:**	60166 VA
Power	7500 VA	100.00%	7500 VA	**Total Conn.:**	177 A
Receptacle	12680 VA	89.43%	11340 VA	**Total Est. Demand:**	167 A
Spare	100 VA	100.00%	100 VA		
Kitchen Equipment	12517 VA	65.00%	8136 VA		

Notes:

PANEL SCHEDULE NOTES:

L - CIRCUIT REQUIRES A BREAKER LOCKING DEVICE.

P - CIRCUIT IS PREWIRED BY POWER WALL PRE-FABRICATER TO ITS POINT OF UTILIZATION WITHIN THE POWER WALL.

D - PREWIRED FROM BREAKER THRU CONTACTOR TO TERMINAL STRIP, CONTACTOR IS CONTROLLED BY THE MP/DISPENSER CONTROL SYSTEM.

M - MOTOR OVERLOAD PROTECTION IS TO BE INTEGRAL TO MOTOR OR PROVIDED BY OTHERS. MOTOR OVERLOAD PROTECTION IS NOT PROVIDED BY PRE-FABRICATOR.

GB - CIRCUIT REQUIRES A GROUND FAULT 5mA (GFCI) BREAKER.

GBE - CIRCUIT REQUIRES A GROUND FAULT (GFCI) BREAKER. (FOR EQUIPMENT, 30mA)

GBR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE. (FOR EQUIPMENT, 30mA)

GR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE.

EM - (ADJACENT TO PANEL CIRCUIT NUMBERS) DENOTES EACH CIRCUIT THAT SHALL BE OPERATIONAL WHEN THE EMERGENCY GENERATOR IS IN USE. ALL OTHER CIRCUIT BREAKERS SHALL BE SWITCHED "OFF", AND THE PANEL DOORS SHALL BE CLOSED AND LOCKED.

CT - ENERGY MANAGEMENT SYSTEM (EMS) MONITORED EQUIPMENT, VERIFY EQUIPMENT TO BE MONITORED AND WORK ASSOCIATED WITH EMS SPECIFICATION DOCUMENT.

S - INTERNAL SHUNT TRIP CIRCUIT BREAKER.

-ALL WORK PERTAINING TO THE CONNECTION AND OPERATION OF THE PORTABLE EMERGENCY GENERATOR SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. THIS INCLUDES THE SWITCHED "OFF", AND PROTECTION OF ALL CIRCUIT BREAKERS NOT DESIGNATED 'EM' ON THE PANEL SCHEDULES.

CIRCUITS SHOWN WITH (***) ARE CONTROLLED LIGHTING CIRCUITS. REFER TO SHEET E001 FOR CONTACTOR SCHEDULE.

MAXIMUM 4800 WATTS PER 208 VOLT, 30 AMP LIGHTING CIRCUIT.
MAXIMUM 1800 WATTS PER 120 VOLT, 20 AMP LIGHTING CIRCUIT.

VERIFY BREAKER SIZE AND LOAD WITH MANUFACTURER'S LITERATURE IN FIELD.

Branch Panel: C

Location:
Supply From: D
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/240 1PH
Phases: 1
Wires: 3

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MCB
Mains Rating: 30 A
MCB Rating: 30A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT	Notes
EM	1	UPS #5012	20 A	1	200	200			1	20 A	UPS #5012	2	EM
EM	3	UPS #5012	20 A	1			200	360	1	20 A	LOTTO MACHINE	4	
EM	5	MONEY ORDER MACHINE	20 A	1	300	0			1	20 A	SPARE	6	
	7	INTERCOM/RECEPTACLES	20 A	1			340	560	1	20 A	SAFE #5001	8	EM
EM	9	BILL SAFE #5007	20 A	1	360	100			1	20 A	FAX/PRINTER	10	EM
EM	11	COMPUTER SYSTEM #5003	20 A	1			360	100	1	20 A	VEEDER ROOT #5005	12	EM
EM	13	(EDO) JUNGE	20 A	1	600	100			1	20 A	VEEDER ROOT #5005	14	EM
EM	15	SECURITY MONITOR #5041	20 A	1			54	360	1	20 A	GENERAL POS RECEPTACLE	16	
EM	17	SECURITY MONITOR #5041	20 A	1	54	360			1	20 A	GENERAL POS RECEPTACLE	18	
EM	19	SECURITY MONITOR #5041	20 A	1			54	54	1	20 A	SECURITY MONITOR #5041	20	EM
EM	21	SELF-CHECKOUT #5223	20 A	1	420	0			1	20 A	SPARE	22	
EM	23	SELF-CHECKOUT #5223	20 A	1			420	0	1	20 A	SPARE	24	
	25	GENERAL POS RECEPTACLE	20 A	1	360	0			1	20 A	SPARE	26	
EM	27	SECURITY MONITOR #5041	20 A	1			54	0	2	30 A	MAIN BREAKER	28	
	29	SPARE	20 A	1	0	0						30	
				Total Load:	3054 VA		2916 VA						
				Total Amps:	29 A		28 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	840 VA	100.00%	840 VA		
Receptacle	5130 VA	100.00%	5130 VA	**Total Conn. Load:**	5970 VA
				Total Est. Demand:	5970 VA
				Total Conn.:	29 A
				Total Est. Demand:	29 A

Notes:

Branch Panel: B

Location: BUILLDING EXTERIOR
Supply From: MDP2
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Notes
EM,***	1	CANOPY LIGHTS 2	20 A	2	1500	1500					2	20 A	AREA LIGHTS 2	2	
	3						1500	1500						4	EM,***
EM,***	5	CANOPY LIGHTS 1	20 A	2					1500	1500	2	20 A	AREA LIGHTS 1	6	
	7				1500	1500								8	EM,***
CT,***	9	PRICE/MONUMENT SIGN 1	20 A	1			1000	380			1	20 A	PATIO CAN FIXTURES	10	***
	11	SPARE	20 A	1					0	800	1	20 A	FUEL CANOPY LED LOGO	12	***
	13	EXTERIOR LED STRIP LIGHTS	20 A	1	1370	0					1	20 A	SPARE	14	
***	15	DRIVE THRU DOWNLIGHTS	20 A	1			456	228			1	20 A	FRONT TOWER LIGHTING	16	***
EM,***	17	BUILDING MTD LIGHTS	20 A	1					462	0	1	20 A	SPARE	18	
EM	19	HYDROPOINT PANEL	20 A	1	200	800					1	20 A	FUEL CANOPY LED LOGO	20	***
	21	EXTERIOR LED STRIP LIGHTS	20 A	1			1293	800			1	20 A	FUEL CANOPY LED LOGO	22	***
	23	DATA RACK	20 A	1					200	800	1	20 A	FUEL CANOPY LOGO	24	***
***	25	FRONT TOWER SIGNAGE	20 A	1	125	0					1	20 A	SPARE	26	
	27	SPARE	20 A	1			0	0			1	20 A	SPARE	28	
	29	SPARE	20 A	1					0	1000	1	20 A	FRONT ENTRY CANOPY LOGO	30	***
	31	EXTERIOR LED STRIP LIGHTS	20 A	1	430	0					1	20 A	SPARE	32	
	33	SPARE	20 A	1			0	0			1	20 A	SPARE	34	
***	35	REAR CANOPY LOGO	20 A	1					1000	0	1	20 A	SPARE	36	
***	37	PATIO CANOPY LOGO	20 A	1	1000	0					1	20 A	SPARE	38	
	39	PATIO FANS	20 A	1			250	0			1	20 A	MAIN SHUNT TRIP	40	L
	41	SPARE	20 A	1					0	0	1	15 A	IPACS LIGHTING CONTROLS	42	L
				Total Load:	9925 VA		7407 VA		7262 VA						
				Total Amps:	83 A		62 A		61 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	23944 VA	125.00%	29930 VA		
Power	650 VA	100.00%	650 VA	**Total Conn. Load:**	24594 VA
				Total Est. Demand:	30580 VA
				Total Conn.:	68 A
				Total Est. Demand:	85 A

Notes: (*) CIRCUITS SHALL BE HANDLE TIED TOGETHER

Branch Panel: D

Location: BUILDING EXTERIOR
Supply From: MDP2
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Notes
P,EM	1	PANEL 'C' (VIA POWER CONDITIONER)	30 A	2	3054	1801								2	
	3						2916	1801			3	30 A	STP-1	4	D,M,EM
P,L	5	IPACS DISPENSER CONTROLS	15 A	1					200	1801				6	
D,M,EM	7	MPD-1	20 A	1	1000	841								8	
D,M,EM	9	MPD-2	20 A	1			1000	841			3	30 A	STP-2	10	D,M,EM
D,M,EM	11	MPD-3	20 A	1					1000	841				12	
D,M,EM	13	MPD-4	20 A	1	1000	841								14	
D,M,EM	15	MPD-5	20 A	1			1000	841			3	30 A	STP-3	16	D,M,EM
D,M,EM	17	MPD-6	20 A	1					1000	841				18	
D,M,EM	19	MPD-7	20 A	1	1000	841								20	
D,M,EM	21	MPD-8	20 A	1			1000	841			3	30 A	STP-4	22	D,M,EM
	23	SPARE	20 A	1					0	841				24	
	25	SPARE	20 A	1	0	1801								26	
	27	SPARE	20 A	1			0	1801			3	30 A	STP-5	28	D,M,EM
	29	SPARE	20 A	1					0	1801				30	
D,M,EM	31	(EDO) MPD-1	20 A	1	1000	841								32	
D,M,EM	33	(EDO) MPD-2	20 A	1			1000	841			3	30 A	STP-6	34	D,M,EM
D,M,EM	35	(EDO) MPD-3	20 A	1					1000	841				36	
	37	SPARE	20 A	1	0	0								38	
	39	SPARE	20 A	1			0	0			3	30 A	SPD	40	
	41	SPARE	20 A	1					0	0				42	
	43				1801	1801								44	
D,M,EM	45	(EDO) STP-1	30 A	3			1801	1801			3	30 A	(EDO) STP-2	46	D,M,EM
	47								1801	1801				48	
	49				1801	0					1	20 A	SPARE	50	
D,M,EM	51	(EDO) STP-3	30 A	3			1801	0			1	20 A	SPARE	52	
	53								1801	0	1	20 A	SPARE	54	
				Total Load:	19423 VA		19285 VA		15569 VA						
				Total Amps:	167 A		165 A		130 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	840 VA	100.00%	840 VA		
Power	48307 VA	100.00%	48307 VA	**Total Conn. Load:**	54277 VA
Receptacle	5130 VA	100.00%	5130 VA	**Total Est. Demand:**	54277 VA
				Total Conn.:	151 A
				Total Est. Demand:	151 A

Notes:

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHAUB
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

ELECTRICAL PANEL SCHEDULES

SHEET NUMBER

E430

Branch Panel: E

Location: BUILDING EXTERIOR
Supply From: MDP
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	Notes
	1	SOFT SERVE FREEZERS #4025	20 A	2	1248 360			1	20 A	AIR/VAC RECEPTACLE	2	GB
	3					1248 360		1	20 A	FLY LIGHT	4	
	5	SOFT SERVE FREEZERS #4025	20 A	2			1248 180	1	20 A	FLY LIGHT	6	
	7				1248 2124			1	20 A	MICROWAVE OVEN #5026	8	GB
	9	SOFT SERVE FREEZERS #4025	20 A	2		1248 200		1	20 A	CHILI CHEESE CHIP RACK #5028	10	
	11						1248 1752	1	20 A	COUNTERTOP HEATED SHELF #5131	12	GB
GB	13	YOGURT COLD PAN #5035	20 A	1	480 120			1	20 A	RACK ENCLOSURE #5199	14	
GB	15	2-TIER HOT CASE #5179	30 A	2		2054 528		1	20 A	SINGLE DOOR FREEZER #5136	16	GB
	17						2054 720	1	20 A	FUTURE EQUIPMENT	18	GB
GB	19	FOOD WARMER #5040	20 A	1	825 672			1	20 A	WORKTOP FREEZER #5148	20	GB
GB	21	FOOD WARMER #5040	20 A	1		825 360		1	20 A	COOLER DISPLAY #4191	22	
GB	23	STRIP HEATER #5192	20 A	2			1820 2260	2	30 A	INFRARED STRIP HEATER #5207	24	GB
	25				1820 2260						26	
GB	27	DOUBLE BATCH OVEN #5084	50 A	2		5200 0		1	20 A	INFRARED STRIP HTR CNTRLS	28	
	29						5200 180	1	20 A	PRINTER #5203	30	
GB	31	BUN WARMER #5027	20 A	1	480 480			1	20 A	BUN WARMER #5027	32	GB
GB	33	COLD PAN #5019	20 A	1		480 360		1	20 A	RECEPTACLE	34	
GB	35	MICROWAVE OVEN #5026	20 A	1			2124 180	1	20 A	RECEPTACLE	36	
GB	37	WORKTOP COOLER #5148	20 A	1	672 636			1	20 A	UNDERCOUNTER FREEZER #4044	38	GB
GB	39	ROLLER GRILL #5213	20 A	1		1430 1430		1	20 A	ROLLER GRILL #5213	40	GB
	41	G&G SIGN	20 A	1			180 1068	1	20 A	EXHAUST FAN KEF-1	42	EM
GB	43	ROLLER GRILL #5213	20 A	1	1430 --			1	--	EXHAUST FAN KEF-1 SHUNT	44	S
GB	45	PIZZA PREP TABLE #4190	20 A	1		384 1040		2	20 A	BUILT-IN HEATED SHELF #5119	46	
	47	G&G SIGN	20 A	1			180 1040				48	
GB	49	UNDERCOUNTER REFRIG. #4189	20 A	1	324 2150			3	30 A	COMBI OVEN #3011	50	GB
	51	AIR CURTAIN #5182	20 A	1		780 2150					52	
	53	SPARE	20 A	1			0 2150				54	
				Total Load:	17329 VA	20077 VA	23584 VA					
				Total Amps:	144 A	171 A	200 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	16192 VA	100.00%	16192 VA		
Receptacle	3180 VA	100.00%	3180 VA	**Total Conn. Load:**	60989 VA
Kitchen Equipment	41617 VA	65.00%	27051 VA	**Total Est. Demand:**	46423 VA
				Total Conn.:	169 A
				Total Est. Demand:	129 A

Notes:

Branch Panel: M1

Location: BUILDING EXTERIOR
Supply From: MDP
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	Notes
GB	1	FCB VIPER #3014	30 A	2	2000 1752			1	20 A	POST MIX SYSTEM #3005	2	GB
	3					2000 1752		1	20 A	POST MIX SYSTEM #3005	4	GB
GB	5	FCB VIPER #3014	30 A	2			2000 1752	1	20 A	POST MIX SYSTEM #3005	6	GB
	7				2000 2080			2	20 A	BEAN TO CUP MACHINE #3017	8	
GB	9	TEA BREWER #3033	20 A	1		1680 2080					10	
GB	11	BEVERAGE AIR CENTER #5021	20 A	1			696 1800	1	20 A	OPEN DISPLAY CASE #5123	12	
GB	13	SANDWICH COOLER #5115	20 A	1	1800 600			1	20 A	FOLLET ICE MAKER #4087	14	
GB	15	10 HEAD SODA FOUNTAIN #3004	20 A	1		420 480		1	20 A	COFFEE PREP #5034	16	GB
GB	17	ICE MAKER #4181	20 A	2			1279 1200	1	20 A	LEER ICE MERCHANDISER #5126	18	
	19				1279 0			1	20 A	SPARE	20	
GB	21	ICE MAKER (CRUSHED/NUGGET) #4013	20 A	2		1591 1800		1	20 A	CAPPUCCINO DISPENSER #3008	22	
	23						1591 2080	2	20 A	BEAN TO CUP MACHINE #3017	24	
GB	25	10 HEAD SODA FOUNTAIN #3004	20 A	1	420 2080						26	
	27	PASTRY CASE #5015	20 A	1		1800 864		1	20 A	WATER BOOSTER #5022	28	GB
	29	BEAN TO CUP MACHINE #3017	20 A	2			2080 500	1	20 A	SEPTIC TANK PUMP	30	
	31				2080 540			1	20 A	FUTURE EQUIPMENT	32	GB
GB	33	FRESH BLENDS #3032	20 A	1		1920 168		1	20 A	CURVED ICE CREAMER FRZR #5180	34	GB
	35						2150 360	1	20 A	FUTURE EQUIPMENT	36	GB
GB	37	COMBI OVEN #3011	30 A	3	2150 360			1	20 A	FUTURE EQUIPMENT	38	GB
	39					2150 180		1	20 A	FLOOR SCRUBBER	40	
GB	41	TEA BREWER #3033	20 A	1			1680 500	1	20 A	SEPTIC TANK PUMP	42	
				Total Load:	19141 VA	18885 VA	19668 VA					
				Total Amps:	160 A	157 A	164 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1560 VA	100.00%	1560 VA		
Other	4200 VA	100.00%	4200 VA	**Total Conn. Load:**	57693 VA
Power	1200 VA	100.00%	1200 VA	**Total Est. Demand:**	40791 VA
Receptacle	1440 VA	100.00%	1440 VA	**Total Conn.:**	160 A
Spare	1000 VA	100.00%	1000 VA	**Total Est. Demand:**	113 A
Kitchen Equipment	48293 VA	65.00%	31391 VA		

Notes:

PANEL SCHEDULE NOTES:

L - CIRCUIT REQUIRES A BREAKER LOCKING DEVICE.

P - CIRCUIT IS PREWIRED BY POWER WALL PRE-FABRICATER TO ITS POINT OF UTILIZATION WITHIN THE POWER WALL.

D - PREWIRED FROM BREAKER THRU CONTACTOR TO TERMINAL STRIP, CONTACTOR IS CONTROLLED BY THE MP/DISPENSER CONTROL SYSTEM.

M - MOTOR OVERLOAD PROTECTION IS TO BE INTEGRAL TO MOTOR OR PROVIDED BY OTHERS. MOTOR OVERLOAD PROTECTION IS NOT PROVIDED BY PRE-FABRICATOR.

GB - CIRCUIT REQUIRES A GROUND FAULT 5mA (GFCI) BREAKER.

GBE - CIRCUIT REQUIRES A GROUND FAULT (GFCI) BREAKER. (FOR EQUIPMENT, 30mA)

GBR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE. (FOR EQUIPMENT, 30mA)

GR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE.

EM - (ADJACENT TO PANEL CIRCUIT NUMBERS) DENOTES EACH CIRCUIT THAT SHALL BE OPERATIONAL WHEN THE EMERGENCY GENERATOR IS IN USE. ALL OTHER CIRCUIT BREAKERS SHALL BE SWITCHED "OFF", AND THE PANEL DOORS SHALL BE CLOSED AND LOCKED.

CT - ENERGY MANAGEMENT SYSTEM (EMS) MONITORED EQUIPMENT, VERIFY EQUIPMENT TO BE MONITORED AND WORK ASSOCIATED WITH EMS SPECIFICATION DOCUMENT.

S - INTERNAL SHUNT TRIP CIRCUIT BREAKER.

-ALL WORK PERTAINING TO THE CONNECTION AND OPERATION OF THE PORTABLE EMERGENCY GENERATOR SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. THIS INCLUDES THE SWITCHED "OFF", AND PROTECTION OF ALL CIRCUIT BREAKERS NOT DESIGNATED 'EM' ON THE PANEL SCHEDULES.

CIRCUITS SHOWN WITH (***) ARE CONTROLLED LIGHTING CIRCUITS. REFER TO SHEET E001 FOR CONTACTOR SCHEDULE.

MAXIMUM 4800 WATTS PER 208 VOLT, 30 AMP LIGHTING CIRCUIT.
MAXIMUM 1800 WATTS PER 120 VOLT, 20 AMP LIGHTING CIRCUIT.

VERIFY BREAKER SIZE AND LOAD WITH MANUFACTURER'S LITERATURE IN FIELD.

Branch Panel: M

Location: BUILDING EXTERIOR
Supply From: MDP
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	Notes
	1	COOLER CONDENSER #4177	30 A	3	1801 2402			3	25 A	FREEZER CONDENSER #4179	2	
	3					1801 2402					4	
	5						1801 2402				6	
	7	COOLER EVAPORATOR #4175	20 A	2	2446 180			1	20 A	LABEL PRINTER #5203	8	
	9					0 302		1	20 A	WALK-IN COOLER EVAP #4176	10	EM
EM	11	WALK-IN COOLER EVAP #4176	20 A	1			302 360	1	20 A	FUTURE EQUIPMENT	12	GB
	13	BEAN TO CUP MACHINE #3022	20 A	2	2080 180			1	20 A	FUTURE EQUIPMENT	14	GB
	15					2080 360		1	20 A	FUTURE EQUIPMENT	16	GB
	17	BEAN TO CUP MACHINE #3017	20 A	2			2080 360	1	20 A	FUTURE EQUIPMENT	18	GB
	19				2080 2080			2	20 A	ICE MAKER REMOTE CONDENSER #4182	20	
	21	FREEZER EVAPORATOR #4180	20 A	2		992 2080					22	
	23						992 2080	2	20 A	ICE MAKER REMOTE CONDENSER #4183	24	
	25	WALK-IN COOLER EVAP #4178	20 A	1	101 2080						26	
	27	COOLER CONDENSER #4174	30 A	3		2474 2474		3	30 A	BEER COOLER CONDENSER #4174	28	
	29						2474 2474				30	
	31				2474 2474						32	
EM	33	SUPPLY FAN KSF-1	25 A	1		1392 1440		1	20 A	ROOF TOP RECEPTACLES	34	
S	35	SUPPLY FAN KSF-1 SHUNT	--	1			-- 2446	2	20 A	COOLER EVAPORATOR #4175	36	
	37	YOGURT PAK #4131	20 A	3	2222 0						38	
	39					2222 300		1	20 A	ELECTRONIC CASE #0108	40	
	41						2222 500	1	20 A	HEAT TRACE	42	GBE
				Total Load:	22599 VA	20319 VA	20493 VA					
				Total Amps:	189 A	169 A	171 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	1692 VA	100.00%	1692 VA		
Receptacle	3380 VA	100.00%	3380 VA	**Total Conn. Load:**	63410 VA
Kitchen Equipment	58338 VA	65.00%	37920 VA	**Total Est. Demand:**	42992 VA
				Total Conn.:	176 A
				Total Est. Demand:	119 A

Notes:

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac.
RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME
LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER
#1635

PROTOTYPE SERIES 2023
2023 LH MO

PLAN MODIFICATION NOTICE
SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037533 PROFESSIONAL ENGINEER STEVEN P. SCHUR
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE
ELECTRICAL PANEL SCHEDULES

SHEET NUMBER
E431

Branch Panel: M2

Location: BUILDING EXTERIOR
Supply From: MDP
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Notes
	1	SPARE	20 A	1	0	0					1	20 A	SPARE	2	
	3	SPARE	20 A	1			0	0			1	20 A	SPARE	4	
	5	SPARE	20 A	1					0	0	1	20 A	SPARE	6	
	7	SPARE	20 A	1	0	0					1	20 A	SPARE	8	
	9	SPARE	20 A	1			0	0			1	20 A	SPARE	10	
	11	SPARE	20 A	1					0	0	1	20 A	SPARE	12	
	13	SPARE	20 A	1	0	0					1	20 A	SPARE	14	
	15	SPARE	20 A	1			0	0			1	20 A	SPARE	16	
	17	HOOD CONTROLS AND LIGHTS	20 A	1					360	4731				18	
	19	HOOD CONTROL PANEL	20 A	1	500	4731					3	50 A	3#6, & 1#10GND., IN 3/4"C., WIRE THRU SHUNT TRIP CONTACTOR AT HOOD (FRYER EQ. #5216)	20	
	21	3#6, & 1#10GND., IN 3/4"C., WIRE THRU SHUNT TRIP CONTACTOR AT HOOD (FRYER EQ. #5216)	50 A	3			4731	4731						22	
	23								4731	4731				24	
	25				4731	4731					3	50 A	3#6, & 1#10GND., IN 3/4"C., WIRE THRU SHUNT TRIP CONTACTOR AT HOOD (FRYER EQ. #5216)	26	
	27	3#6, & 1#10GND., IN 3/4"C., WIRE THRU SHUNT TRIP CONTACTOR AT HOOD (FRYER EQ. #5216)	50 A	3			4731	4731						28	
	29								4731	1800	1	20 A	WASTE OIL TANK #5166	30	
	31				4731	0					1	20 A	SPARE	32	
	33	SPARE	20 A	1			0	0			1	20 A	SPARE	34	
	35	SPARE	20 A	1					0	0	1	20 A	SPARE	36	
	37	SPARE	20 A	1	0	0					1	20 A	SPARE	38	
	39	SPARE	20 A	1			0	0			1	20 A	SPARE	40	
	41	SPARE	20 A	1					0	0	1	20 A	SPARE	42	
				Total Load:	19425 VA		18925 VA		21085 VA						
				Total Amps:	163 A		158 A		176 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	500 VA	100.00%	500 VA		
Other	58576 VA	100.00%	58576 VA	**Total Conn. Load:**	59436 VA
Power	360 VA	100.00%	360 VA	**Total Est. Demand:**	59436 VA
				Total Conn.:	165 A
				Total Est. Demand:	165 A

Notes:

Branch Panel: N1

Location: STORAGE ENCLOSURE
Supply From: A
Mounting: SURFACE MOUNTED
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MCB
Mains Rating: 60 A
MCB Rating: 60A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	Notes
	1				2906	180					1	20 A	TANK DRAIN	2	
	3	AIR COMPRESSOR #5162	35 A	3			2906	68			1	20 A	STORAGE ENCLOSURE LIGHTING	4	
	5								2906	60	1	20 A	DUMPSTER ENCLOSURE LIGHTING	6	
	7	DUMPSTER ENCLOSURE RECEPT	20 A	1	360	0					2	20 A	SPARE	8	
	9	SPARE	20 A	1			0	0						10	
	11	SPARE	20 A	1					0	0	1	20 A	SPARE	12	
--	13	SPACE	--	1	--	--					1	--	SPACE	14	--
--	15	SPACE	--	1			--	--			1	--	SPACE	16	--
--	17	SPACE	--	1					--	--	1	--	SPACE	18	--
				Total Load:	3446 VA		2974 VA		2966 VA						
				Total Amps:	29 A		25 A		25 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	128 VA	125.00%	160 VA		
Receptacle	540 VA	100.00%	540 VA	**Total Conn. Load:**	9386 VA
Kitchen Equipment	8718 VA	65.00%	5667 VA	**Total Est. Demand:**	6367 VA
				Total Conn.:	26 A
				Total Est. Demand:	18 A

Notes:

MAIN DISTRIBUTION PANEL: MDP2

Location:
Supply From: UTILITY
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED (NEMA 3R)

Volts: 120/208 Wye
Phase... 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MCB 100% RATED
Mains Rating: 800 A
MCB Rating: 800A

Notes	CKT	Circuit Description	Circuit Information	Trip	Poles	A	B	C
	1					6485 VA		
CT	2	RTU-1	3#2, & 1#6GND., IN 1-1/2" CONDUIT	100 A	3		6485 VA	
	3							6485 VA
	4					17653 VA		
CT	5	RTU-2	3#1/0, & 1#6GND., IN 2" CONDUIT	150 A	3		17653 VA	
	6							17653 VA
	7					6485 VA		
CT	8	RTU-3	3#6, & 1#8GND., IN 3/4" CONDUIT	60 A	3		6485 VA	
	9							6485 VA
	10					6485 VA		
CT	11	RTU-4	3#6, & 1#8GND., IN 3/4" CONDUIT	60 A	3		6485 VA	
	12							6485 VA
	13					23597 VA		
P	14	PANEL A	4#3/0, , & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3		17769 VA	
	15							22330 VA
	16					9925 VA		
P	17	PANEL B	4#3/0, , & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3		7407 VA	
	18							7262 VA
	19					19423 VA		
P	20	PANEL D	4#3/0, , & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3		19285 VA	
	21							15569 VA
	22					0 VA		
	23	SPD	3#10, & 1#10GND., IN 3/4" CONDUIT	30 A	3		0 VA	
	24							0 VA
--	25	SPACE		--	1	--		
--	26	SPACE		--	1		--	
	27							0 VA
	28	MAIN BREAKER	REFER TO ELEC. SERVICE SCHEMATIC ELEV. FOR SERVICE CONDUCTORS	800 A	3	0 VA		
	29						0 VA	
	30	SPARE		20 A	1			0 VA
	31	SPARE		20 A	1	0 VA		
	32	SPARE		20 A	1		0 VA	
--	33	SPACE		--	1			--
--	34	SPACE		--	1	--		
--	35	SPACE		--	1		--	
	36							0 VA
	37	GENERATOR CONNECTION BOX	(2) SETS 4#350KCMIL., & 1#2/0 GND., IN 3" CONDUIT (KIRK KEY INTERLOCK)	600 A	3	0 VA		
	38						0 VA	
	39	SPARE		20 A	1			0 VA
	40	SPARE		20 A	1	0 VA		
	41	SPARE		20 A	1		0 VA	
--	42	SPACE		--	1			--
--	43	SPACE		--	1	--		
--	44	SPACE		--	1		--	
--	45	SPACE		--	1			--
--	46	SPACE		--	1	--		
--	47	SPACE		--	1		--	
--	48	SPACE		--	1			--
--	49	SPACE		--	1	--		
--	50	SPACE		--	1		--	
--	51	SPACE		--	1			--
--	52	SPACE		--	1	--		
--	53	SPACE		--	1		--	
--	54	SPACE		--	1			--
					Total Load:	90051 VA	81568 VA	82267 VA
					Total Amps:	751 A	680 A	686 A

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	131431 VA	100.00%	131431 VA		
Lighting	32710 VA	125.00%	40887 VA	**Total Conn. Load:**	253886 VA
Other	2862 VA	100.00%	2862 VA	**Total Est. Demand:**	253778 VA
Power	56457 VA	100.00%	56457 VA	**Total Conn. Current:**	705 A
Receptacle	17810 VA	78.07%	13905 VA	**Total Est. Demand Current:**	704 A
Spare	100 VA	100.00%	100 VA		
Kitchen Equipment	12517 VA	65.00%	8136 VA		

Notes:

PANEL SCHEDULE NOTES:

L - CIRCUIT REQUIRES A BREAKER LOCKING DEVICE.

P - CIRCUIT IS PREWIRED BY POWER WALL PRE-FABRICATER TO ITS POINT OF UTILIZATION WITHIN THE POWER WALL.

D - PREWIRED FROM BREAKER THRU CONTACTOR TO TERMINAL STRIP, CONTACTOR IS CONTROLLED BY THE MP/DISPENSER CONTROL SYSTEM.

M - MOTOR OVERLOAD PROTECTION IS TO BE INTEGRAL TO MOTOR OR PROVIDED BY OTHERS. MOTOR OVERLOAD PROTECTION IS NOT PROVIDED BY PRE-FABRICATOR.

GB - CIRCUIT REQUIRES A GROUND FAULT 5mA (GFCI) BREAKER.

GBE - CIRCUIT REQUIRES A GROUND FAULT (GFCI) BREAKER. (FOR EQUIPMENT, 30mA)

GBR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE. (FOR EQUIPMENT, 30mA)

GR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE.

EM - (ADJACENT TO PANEL CIRCUIT NUMBERS) DENOTES EACH CIRCUIT THAT SHALL BE OPERATIONAL WHEN THE EMERGENCY GENERATOR IS IN USE. ALL OTHER CIRCUIT BREAKERS SHALL BE SWITCHED "OFF", AND THE PANEL DOORS SHALL BE CLOSED AND LOCKED.

CT - ENERGY MANAGEMENT SYSTEM (EMS) MONITORED EQUIPMENT, VERIFY EQUIPMENT TO BE MONITORED AND WORK ASSOCIATED WITH EMS SPECIFICATION DOCUMENT.

S - INTERNAL SHUNT TRIP CIRCUIT BREAKER.

-ALL WORK PERTAINING TO THE CONNECTION AND OPERATION OF THE PORTABLE EMERGENCY GENERATOR SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. THIS INCLUDES THE SWITCHED "OFF", AND PROTECTION OF ALL CIRCUIT BREAKERS NOT DESIGNATED 'EM' ON THE PANEL SCHEDULES.

CIRCUITS SHOWN WITH (***) ARE CONTROLLED LIGHTING CIRCUITS. REFER TO SHEET E001 FOR CONTACTOR SCHEDULE.

MAXIMUM 4800 WATTS PER 208 VOLT, 30 AMP LIGHTING CIRCUIT.
MAXIMUM 1800 WATTS PER 120 VOLT, 20 AMP LIGHTING CIRCUIT.

VERIFY BREAKER SIZE AND LOAD WITH MANUFACTURER'S LITERATURE IN FIELD.

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DESIGN PROFESSIONALS

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Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac

RACETRAC INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHRUB
09/15/23

PROJECT NUMBER
2023157.20

SHEET TITLE

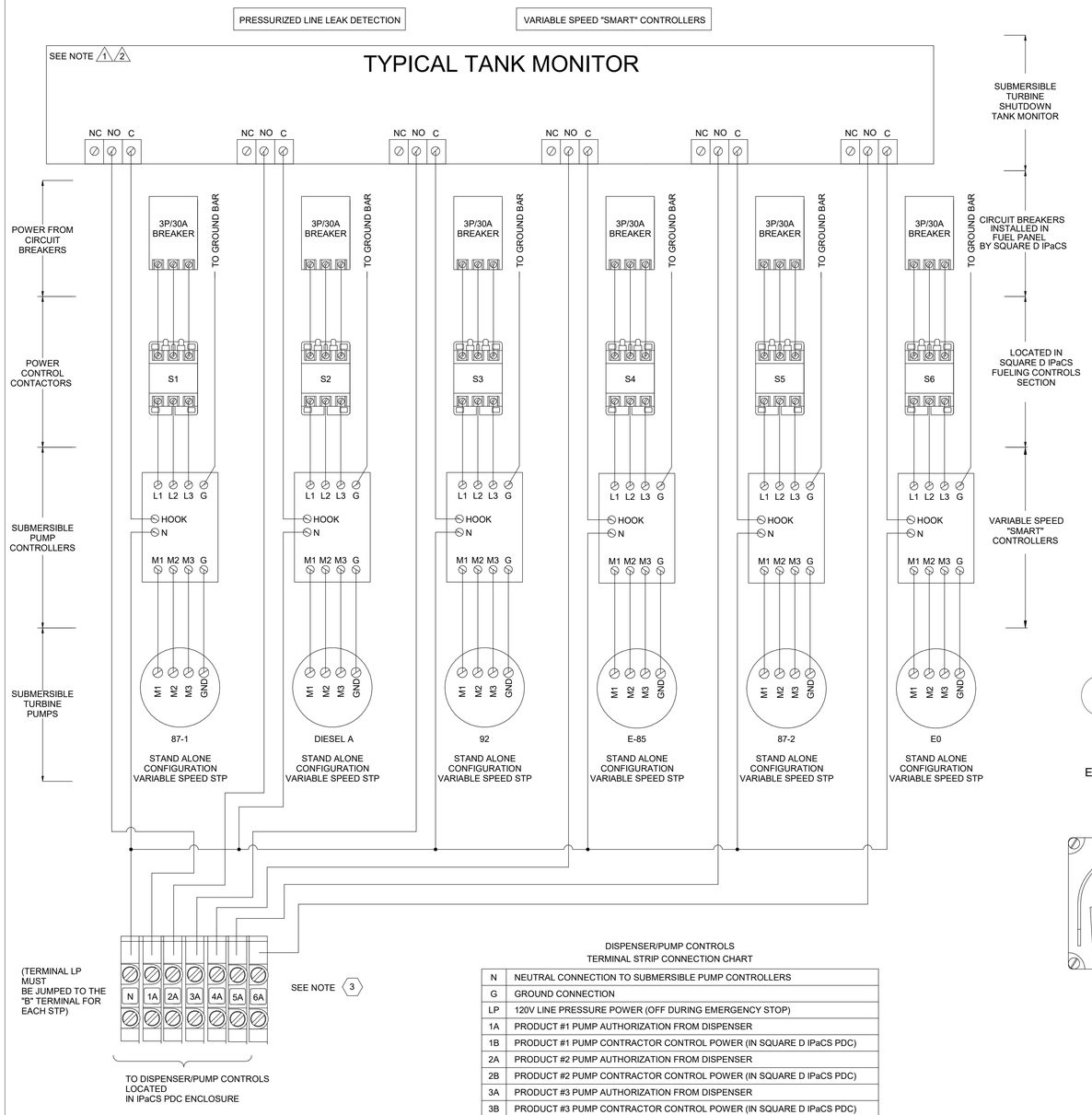
PANEL SCHEDULES

SHEET NUMBER

E432

PRESSURIZED LINE LEAK DETECTION

VARIABLE SPEED "SMART" CONTROLLERS



DISPENSER/PUMP CONTROLS
TERMINAL STRIP CONNECTION CHART

N	NEUTRAL CONNECTION TO SUBMERSIBLE PUMP CONTROLLERS
G	GROUND CONNECTION
LP	120V LINE PRESSURE POWER (OFF DURING EMERGENCY STOP)
1A	PRODUCT #1 PUMP AUTHORIZATION FROM DISPENSER
1B	PRODUCT #1 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
2A	PRODUCT #2 PUMP AUTHORIZATION FROM DISPENSER
2B	PRODUCT #2 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
3A	PRODUCT #3 PUMP AUTHORIZATION FROM DISPENSER
3B	PRODUCT #3 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
4A	PRODUCT #4 PUMP AUTHORIZATION FROM DISPENSER
4B	PRODUCT #4 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
5A	PRODUCT #5 PUMP AUTHORIZATION FROM DISPENSER
5B	PRODUCT #5 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
6A	PRODUCT #6 PUMP AUTHORIZATION FROM DISPENSER
6B	PRODUCT #6 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)

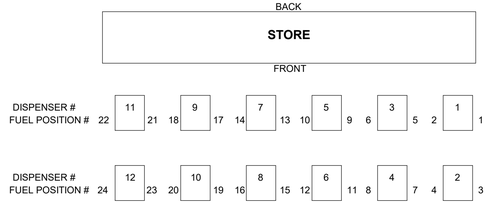
GENERAL NOTES:

1. REFER TO TANK MONITOR MANUAL FOR ALL WIRING CONNECTIONS AND OTHER SPECIFICATIONS REQUIRED BY MANUFACTURER.
2. THE TANK MONITOR IS TYPICALLY INSTALLED IN THE IPaCS PDC ENCLOSURE.
3. THE TERMINAL STRIP SHOWN IS FOR THE STANDARD DM-EX DESIGN. THE STANDARD DM-EX DESIGN MAY BE CUSTOMIZED FOR ADDITIONAL PUMP DEVICES, THERE BY ALTERING THE STANDARD DESIGN SHOWN. PLEASE REFER TO ALL INFORMATION TO DETERMINE THE NUMBER OF DEVICES FOR EACH JOB LOCATION.

1 (AUTO) EDO - TANK MONITOR/LINE PRESSURE WITH VARIABLE SPEED "SMART" CONTROLLER

N.T.S

DISPENSER NUMBERING STANDARD (MAIN)



DISPENSER WIRING STANDARD TABLE

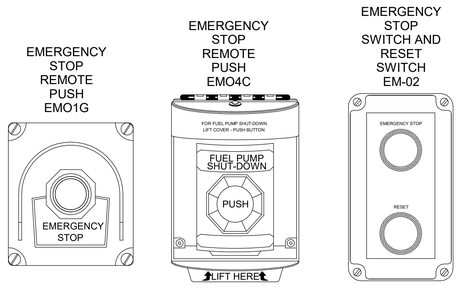
IPaCS Terminal Strip Label	Field Wire Color Code (Proposed)	Description
H	Black	Hot Wire To MPD (120 Volt)
N	White	Neutral Wire To MPD
HL	Blue	Power to LLVD
1	Yellow	Pump #1 Authorization Signal
2	Brown	Pump #2 Authorization Signal
3	Orange	Pump #3 Authorization Signal
4	Red	Pump #4 Authorization Signal
5	Gray	Pump #5 Authorization Signal
6	Purple	Pump #6 Authorization Signal
Ground Bar	Green	Ground Wire For MPD

SUBMERSIBLE PUMP NUMBERING STANDARD

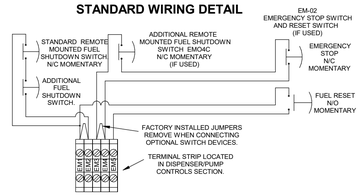
Pump Number	Serves
Pump #1	"Unleaded #1" Submersible Pump
Pump #2	"Diesel A" Submersible Pump
Pump #3	"Premium or 92" Submersible Pump
Pump #4	"E-85" Submersible Pump
Pump #5	"Unleaded #2" Submersible Pump
Pump #6	"E0" Submersible Pump

3 (AUTO) EDO - DISPENSER & PUMP NUMBERING & WIRING STANDARD

N.T.S



STANDARD WIRING DETAIL

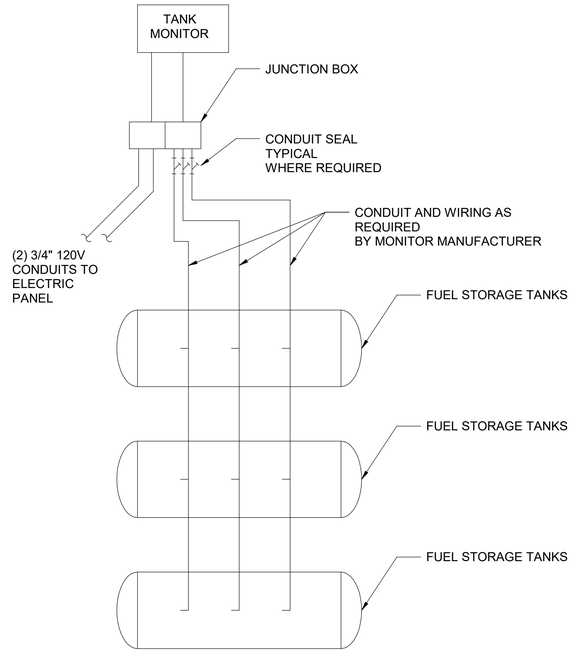


NOTES:

1. THE FUEL SHUTDOWN FUNCTION DISCONNECTS POWER TO ALL PUMPS AND ALL DISPENSERS. (BOTH HOT AND NEUTRAL CONDUCTORS).
2. ADDITIONAL REMOTE SHUTDOWNS ARE AVAILABLE (I.E. OUTDOOR AND CASHIER LOCATIONS).
3. THE FUEL SHUTDOWN CONTROLS ARE FURNISHED BY OWNER & INSTALLED BY E.C.
4. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60°C IF CIRCUIT IS RATED LESS THAN 100 AMPS OR A MINIMUM INSULATION RATING OF 75°C IC CIRCUIT IS RATED OVER 100 AMPS. FIELD WIRING INDICATED BY A DASHED LINE.
5. MAIN AND BRANCH CIRCUITS PROTECTED BY OTHERS.

2 (AUTO) EDO - EMERGENCY STOP SWITCH WIRING DETAIL

N.T.S



4 (AUTO) EDO - TANK MONITORING SCHEMATIC DIAGRAM

N.T.S

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DESIGN PROFESSIONALS

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

RaceTrac

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200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

FOR REFERENCE ONLY

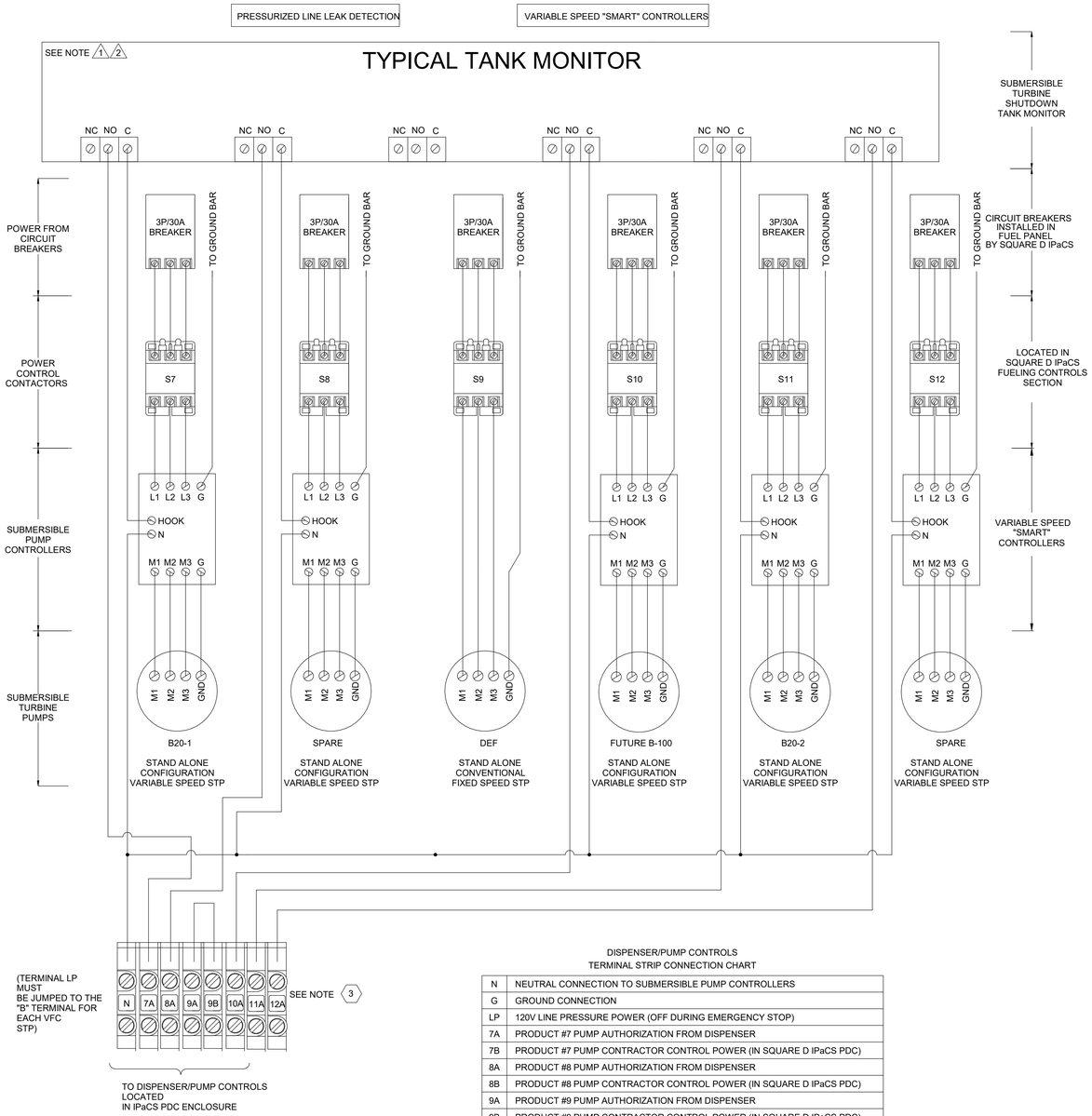
PROJECT NUMBER
2023157.20

SHEET TITLE

CONTROL DIAGRAMS - (AUTO SIDE)

SHEET NUMBER

E500



DISPENSER/PUMP CONTROLS
TERMINAL STRIP CONNECTION CHART

N	NEUTRAL CONNECTION TO SUBMERSIBLE PUMP CONTROLLERS
G	GROUND CONNECTION
LP	120V LINE PRESSURE POWER (OFF DURING EMERGENCY STOP)
7A	PRODUCT #7 PUMP AUTHORIZATION FROM DISPENSER
7B	PRODUCT #7 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
8A	PRODUCT #8 PUMP AUTHORIZATION FROM DISPENSER
8B	PRODUCT #8 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
9A	PRODUCT #9 PUMP AUTHORIZATION FROM DISPENSER
9B	PRODUCT #9 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
10A	PRODUCT #10 PUMP AUTHORIZATION FROM DISPENSER
10B	PRODUCT #10 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
11A	PRODUCT #11 PUMP AUTHORIZATION FROM DISPENSER
11B	PRODUCT #11 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
12A	PRODUCT #12 PUMP AUTHORIZATION FROM DISPENSER
12B	PRODUCT #12 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)

GENERAL NOTES:

1. REFER TO TANK MONITOR MANUAL FOR ALL WIRING CONNECTIONS AND OTHER SPECIFICATIONS REQUIRED BY MANUFACTURER.
2. THE TANK MONITOR IS TYPICALLY INSTALLED IN THE IPaCS PDC ENCLOSURE.
3. THE TERMINAL STRIP SHOWN IS FOR THE STANDARD DM-EX DESIGN. THE STANDARD DM-EX DESIGN MAY BE CUSTOMIZED FOR ADDITIONAL PUMP DEVICES, THERE BY ALTERING THE STANDARD DESIGN SHOWN. PLEASE REFER TO ALL INFORMATION TO DETERMINE THE NUMBER OF DEVICES FOR EACH JOB LOCATION.

1 EDO - TANK MONITOR/LINE PRESSURE OPTION WITH VARIABLE SPEED "SMART" CONTROLLER

N.T.S

DISPENSER #
FUEL POSITION #

5		4		3		2		1
S	M	S	M	S	M	S	M	

DISPENSER NUMBERING STANDARD

BACK

STORE

FRONT

****** SPECIAL NOTE ******

ALL ADDITIONAL REMOTE SHUTDOWNS LOCATED IN THE "EXPANDED DIESEL AREA" OF THE SITE ARE WIRED BACK TO TERMINALS "EM1", "EM2", "EM3", "EM4" & "EM5" OF THE MAIN DISPENSER TERMINAL STRIP.

NOTES:

1. THE FUEL SHUTDOWN FUNCTION DISCONNECTS POWER TO ALL PUMPS AND ALL DISPENSERS. (BOTH HOT AND NEUTRAL CONDUCTORS).
2. ADDITIONAL REMOTE SHUTDOWNS ARE AVAILABLE (I.E. OUTDOOR AND CASHIER LOCATIONS).
3. THE FUEL SHUTDOWN CONTROLS ARE FURNISHED BY OWNER & INSTALLED BY E.C.
4. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60°C IF CIRCUIT IS RATED LESS THAN 100 AMPS OR A MINIMUM INSULATION RATING OF 75°C IC CIRCUIT IS RATED OVER 100 AMPS. FIELD WIRING INDICATED BY A DASHED LINE.
5. MAIN AND BRANCH CIRCUITS PROTECTED BY OTHERS.

DISPENSER WIRING STANDARD TABLE

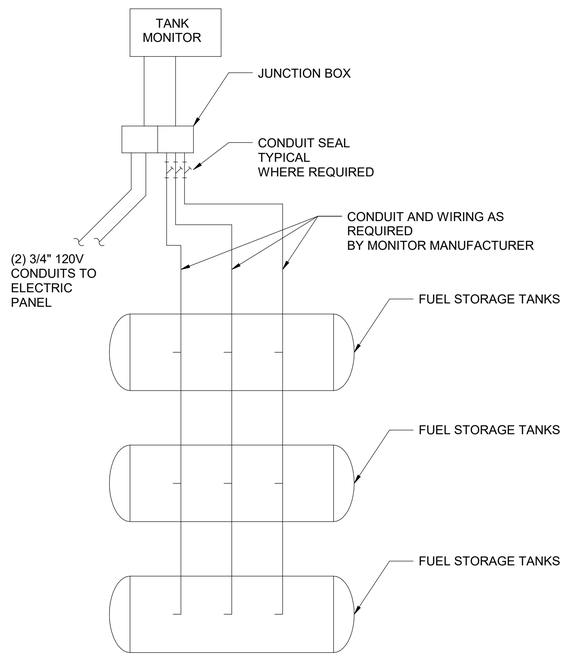
IPaCS Terminal Strip Label	Field Wire Color Code (Proposed)	Description
H	Black	Hot Wire To MPD (120 Volt)
N	White	Neutral Wire To MPD
HL	Blue	Power to LLVD
1	Yellow	Pump #1 Authorization Signal
2	Brown	Pump #2 Authorization Signal
3	Orange	Pump #3 Authorization Signal
4	Red	Pump #4 Authorization Signal
5	Gray	Pump #5 Authorization Signal
6	Purple	Pump #6 Authorization Signal
Ground Bar	Green	Ground Wire For MPD

SUBMERSIBLE PUMP NUMBERING STANDARD (EDO AREA)

Pump Number	Serves
EDO Pump #7	EDO " B20-1" Submersible Pump
EDO Pump #8	EDO "SPARE" Submersible Pump
EDO Pump #9	EDO "DEF" Submersible Pump
EDO Pump #10	EDO "FUTURE B-100" Submersible Pump
EDO Pump #11	EDO "B20-2" Submersible Pump
EDO Pump #12	EDO "SPARE" Submersible Pump

2 EDO - DISPENSER & PUMP NUMBERING & WIRING STANDARD

N.T.S



3 EDO - TANK MONITORING SCHEMATIC DIAGRAM

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PROFESSIONAL SEAL

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PROJECT NUMBER
2023157.20

SHEET TITLE

CONTROL DIAGRAMS - EDO (TRUCK SIDE)

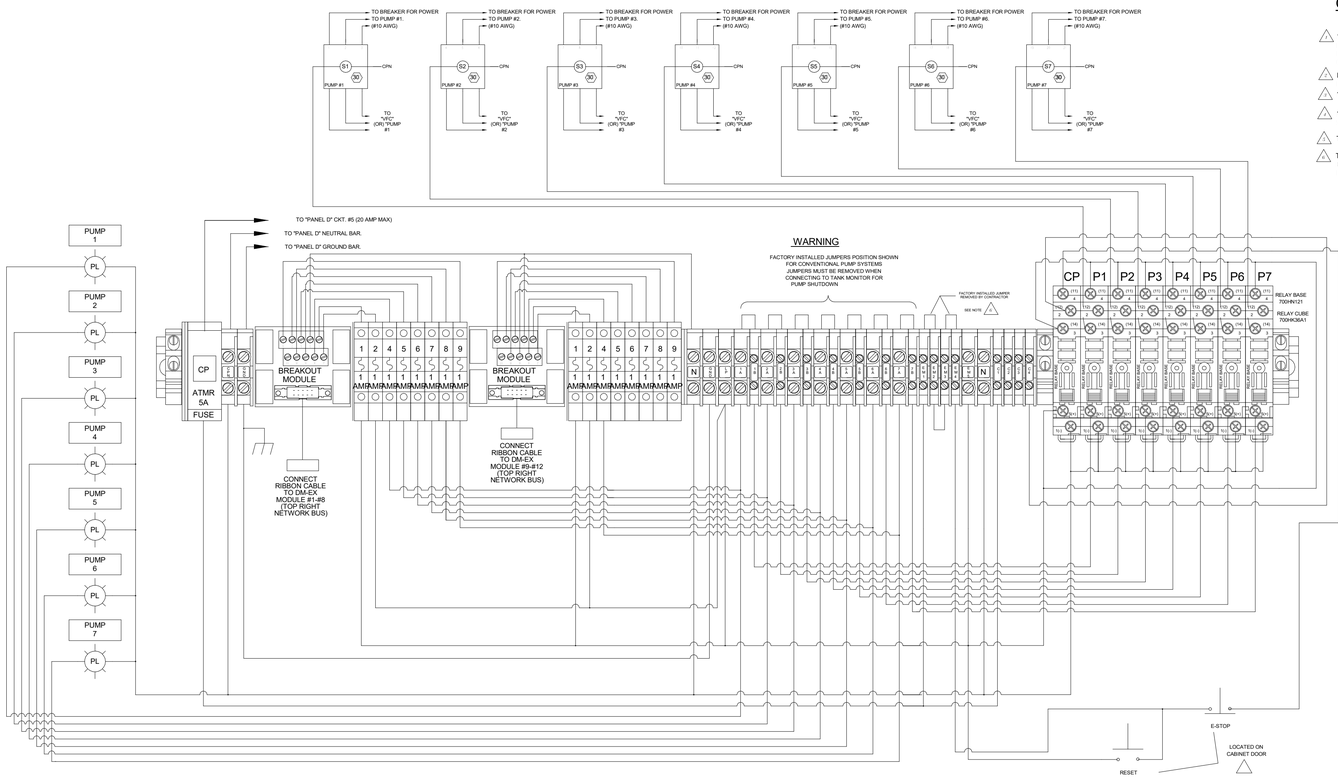
SHEET NUMBER

E501

SECTION 3

TANK MONITOR/PUMP SHUTDOWN OPTION WITH CONVENTIONAL SUBMERSIBLE PUMPS

1. WHEN INDIVIDUAL SHUTDOWN OF DISPENSERS THRU THE TANK MONITOR IS REQUIRED REMOVE THE FACTORY INSTALLED "REMOTE OFF" JUMPERS FROM THE DM-EX MODULES. CONNECT THESE TERMINALS TO RELAY OUTPUT MODULE AS SHOWN. THIS WILL ALLOW THE TANK MONITOR TO SHUTDOWN ANY DISPENSER THROUGH THE RELAY OUTPUT MODULE.
2. REFER TO TANK MONITOR MANUAL FOR ALL WIRING CONNECTIONS AND OTHER SPECIFICATIONS REQUIRED BY MANUFACTURER.
3. THE TANK MONITOR IS TYPICALLY MOUNTED OUTSIDE THE POWERBOX ENCLOSURE ON AN ADJACENT WALL.
4. THE TANK MONITOR SHOWN IS FOR A TYPICAL "PUMP SHUTDOWN" RELAY BOARD ONLY. FOR "LINE PRESSURE" SYSTEMS SEE DETAIL SHEETS.
5. THIS DETAIL IS TO ILLUSTRATE WIRING OF (1) CONVENTIONAL PUMP.
6. THE TERMINAL STRIP SHOWN IS FOR THE STANDARD DM-EX DESIGN. THE STANDARD DM-EX DESIGN MAY BE CUSTOMIZED FOR ADDITIONAL PUMP DEVICES, THERE BY ALTERING THE STANDARD DESIGN SHOWN. PLEASE REFER TO ALL INFORMATION TO DETERMINE THE NUMBER OF DEVICES FOR EACH JOB LOCATION.



DISPENSER FIELD WIRING

NOTES:

1. WIRING IS TYPICAL OF ALL DISPENSERS. GROUND CONDUCTOR (#12 AWG) MUST ALSO BE RUN FROM EACH DISPENSER TO THE GROUND BAR OF THE DISPENSER/PUMP CONTROL PANEL.
2. DISPENSER "AC" (POWER) AND "DC" (DATA) TYPICALLY RUN IN SEPARATE CONDUITS, OR PER DISPENSER MANUFACTURES REQUIREMENTS.
3. SEE DISPENSER INSTALLATION DIAGRAMS FOR TERMINATION LABELING.
4. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60°C.
5. FACTORY INSTALLED "REMOTE OFF" JUMPERS ON DM-EX MODULES MUST REMAIN IN PLACE DURING NORMAL OPERATIONS. REMOVING THIS JUMPER AND WIRING INTO A "PAN SENSOR" SYSTEM PROVIDES INDIVIDUAL SHUTDOWN OF EACH DISPENSER.
6. THE WIRE SIZE AND NUMBER OF CONDUCTORS REQUIRED FOR COMMUNICATION/DATA (DC) WIRING MUST MUST BE DETERMINED BY THE SPECIFICATIONS OF THE DISPENSER MANUFACTURER. TYPICALLY 2 CONDUCTORS(NORMALLY SHIELDED CABLE) ARE REQUIRED WHEN CARD READERS IN THE DISPENSER ARE USED.

SUBMERSIBLE PUMP EQUIPMENT SHEET

RF #	EQUIPMENT	VOLTS	CONTACTOR NUMBER	CONTACTOR AMPS	PANEL CIRCUITS	OUTPUT
1	STP PUMP #1	208	1	30	PANEL D - 2	S1
2					PANEL D - 4	
3					PANEL D - 6	
4	STP PUMP #2	208	2	30	PANEL D - 8	S2
5					PANEL D - 10	
6					PANEL D - 12	
7	STP PUMP #3	208	3	30	PANEL D - 14	S3
8					PANEL D - 16	
9					PANEL D - 18	
10	STP PUMP #4	208	4	30	PANEL D - 20	S4
11					PANEL D - 22	
12					PANEL D - 24	
13	STP PUMP #5	208	5	30	PANEL D - 26	S5
14					PANEL D - 28	
15					PANEL D - 30	
16	STP PUMP #6	208	6	30	PANEL D - 32	S6
17					PANEL D - 34	
18					PANEL D - 36	
19	(EDO) STP PUMP #1	208	7	30	PANEL D - 43	S7
20					PANEL D - 45	
21					PANEL D - 47	

CONFIRM CIRCUIT INFORMATION WITH ELECTRICAL PANE SCHEDULES

GENERAL NOTES FOR DISPENSER/PUMP CONTROLS:

1. BEFORE STARTING THE ASSEMBLY PROCESS PLEASE READ ALL NOTES.
2. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60°C IF CIRCUIT IS RATED LESS THAN 100 AMPS. OR A MINIMUM INSULATION RATING OF 75°C IF CIRCUIT IS RATED OVER 100 AMPS.
3. WHEN CONTROLLED LOAD IS A MOTOR, CIRCUITS MUST HAVE THERMAL PROTECTION INTEGRAL TO MOTOR OR PROVIDED BY OTHERS.
4. THIS DRAWING CONTAINS ALL THE FACTORY WIRING REQUIRED TO ASSEMBLE THESE CONTROLS. FOR A COMPLETE EXAMPLE OF ALL FIELD WIRING TO THESE CONTROLS PLEASE SEE THE DETAILS DRAWING IN THIS SET.
5. THE WIRE GAUGE USED TO ASSEMBLE THESE CONTROLS VARIES THROUGHOUT. TO DETERMINE WIRE SIZE THAT SHOULD BE USED PLEASE CHECK THE AMPERAGE OF THE CIRCUIT CONTROLLING THESE COMPONENTS. THE AMPERAGE CAN BE OBTAINED FROM THE PANELBOARD SCHEDULES DRAWING LOCATED IN THIS SET.
6. IF THERE ARE ANY QUESTIONS ABOUT THE PLACEMENT OF ANY NON-STANDARD DEVICES ON THE DISPENSER/PUMP CONTROLS SCREEN PLEASE CONTACT THE DRAFTING DEPARTMENT TO DETERMINE PROPER PLACEMENT.

1. WHEN "IST-VFC" SYSTEMS ARE FACTORY INSTALLED, THE EQUIPMENT SHOULD BE MOUNTED IN THE TOP OF THE DISPENSER/PUMP CONTROLS SECTION. WHEN MOUNTED OUTSIDE OF THE SQUARE D IPaCS BOX PLACEMENT OF THESE DEVICES SHOULD BE DETERMINED BY THE CONTRACTOR.
2. N/A
3. THE DISPENSER CONTROL WIRING SHOWN ON THIS DRAWING IS FOR ONE DISPENSER, ALTHOUGH THE NUMBER OF DISPENSERS USED FOR EACH JOB MAY VARY THE WIRING SHOWN IS TYPICAL OF ALL DISPENSERS.
4. THE PILOT LIGHTS SHOWN ON THIS DRAWING ARE TO VISUALLY VERIFY THE OPERATION OF EACH PUMP. ALL PILOT LIGHTS SHOWN SHOULD BE MOUNTED ON THE DOOR OF THE DISPENSER/PUMP CONTROLS SECTION.
5. THE MOMENTARY SWITCHES FOR "FUEL SHUTDOWN" AND "FUEL RESET" SHOWN ON THIS DRAWING SHOULD BE MOUNTED ON THE DOOR OF THE DISPENSER/PUMP CONTROLS SECTION.

120/208 VOLT COLOR CHART

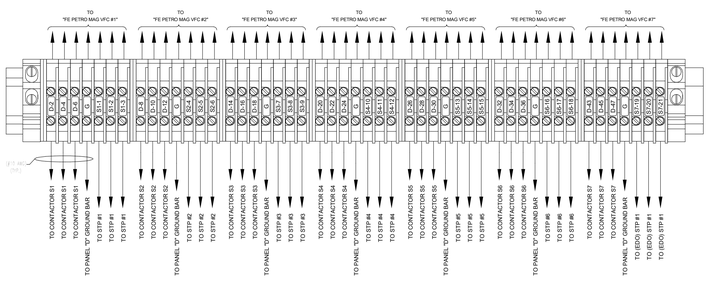
NOTE
BRANCH CIRCUIT WIRING DONE BY SQUARE D IPaCS WILL BE COLOR CODED!
A PHASE - BLACK WIRE
B PHASE - RED WIRE
C PHASE - BLUE WIRE
ALL WIRING ABOVE #10 AWG TO BE PHASE COLORED ON EACH END.

NOTE:
* BEFORE WIRING BRANCH CIRCUITS REFER TO PANELBOARD SCHEDULES TO DETERMINE THE PHASE COLORS TO BE USED.
* ALL MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION SHALL BE PROVIDED BY OTHERS.

WIRING LEGEND

- IPaCS FACTORY WIRING.
- CONTRACTOR FIELD WIRING.

TB1



1 CONTROL DIAGRAMS
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PROJECT NUMBER
2023157.20

SHEET TITLE

CONTROL DIAGRAMS

SHEET NUMBER

E502

GENERAL NOTES FOR DISPENSER/PUMP CONTROLS:

1. BEFORE STARTING THE ASSEMBLY PROCESS PLEASE READ ALL NOTES.
2. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60°C IF CIRCUIT IS RATED LESS THAN 100 AMPS. OR A MINIMUM INSULATION RATING OF 75°C IF CIRCUIT IS RATED OVER 100 AMPS.
3. WHEN CONTROLLED LOAD IS A MOTOR, CIRCUITS MUST HAVE THERMAL PROTECTION INTEGRAL TO MOTOR OR PROVIDED BY OTHERS.
4. THIS DRAWING CONTAINS ALL THE FACTORY WIRING REQUIRED TO ASSEMBLE THESE CONTROLS. FOR A COMPLETE EXAMPLE OF ALL FIELD WIRING TO THESE CONTROLS PLEASE SEE THE DETAILS DRAWING IN THIS SET.
5. THE WIRE GAUGE USED TO ASSEMBLE THESE CONTROLS VARIES THROUGHOUT. TO DETERMINE WIRE SIZE THAT SHOULD BE USED PLEASE CHECK THE AMPERAGE OF THE CIRCUIT CONTROLLING THESE COMPONENTS. THE AMPERAGE CAN BE OBTAINED FROM THE PANELBOARD SCHEDULES DRAWING LOCATED IN THIS SET.
6. IF THERE ARE ANY QUESTIONS ABOUT THE PLACEMENT OF ANY NON-STANDARD DEVICES ON THE DISPENSER/PUMP CONTROLS SCREEN PLEASE CONTACT THE DRAFTING DEPARTMENT TO DETERMINE PROPER PLACEMENT.
7. WHEN "IST-VFC" SYSTEMS ARE FACTORY INSTALLED, THE EQUIPMENT SHOULD BE MOUNTED IN THE TOP OF THE DISPENSER/PUMP CONTROLS SECTION. WHEN MOUNTED OUTSIDE OF THE SQUARE D PLACEMENT OF THESE DEVICES SHOULD BE DETERMINED BY THE CONTRACTOR.
8. THE STANDARD DM-EX DISPENSER SCREEN MODELS ARE:
   DM-4D-4P EXPANDABLE TO 6D-6P
   DM-6D-4P EXPANDABLE TO 8D-6P
   DM-8D-4P EXPANDABLE TO 12D-6P
9. THE DISPENSER CONTROL WIRING SHOWN ON THIS DRAWING IS FOR ONE DISPENSER, ALTHOUGH THE NUMBER OF DISPENSERS USED FOR EACH JOB MAY VARY THE WIRING SHOWN IS TYPICAL OF ALL DISPENSERS.
10. THE PILOT LIGHTS SHOWN ON THIS DRAWING ARE TO VISUALLY VERIFY THE OPERATION OF EACH PUMP. ALL PILOT LIGHTS SHOWN SHOULD BE MOUNTED ON THE DOOR OF THE DISPENSER/PUMP CONTROLS SECTION.
11. THE MOMENTARY SWITCHES FOR "FUEL SHUTDOWN" AND "FUEL RESET" SHOWN ON THIS DRAWING SHOULD BE MOUNTED ON THE DOOR OF THE DISPENSER/PUMP CONTROLS SECTION.

DISPENSER FIELD WIRING

NOTES:

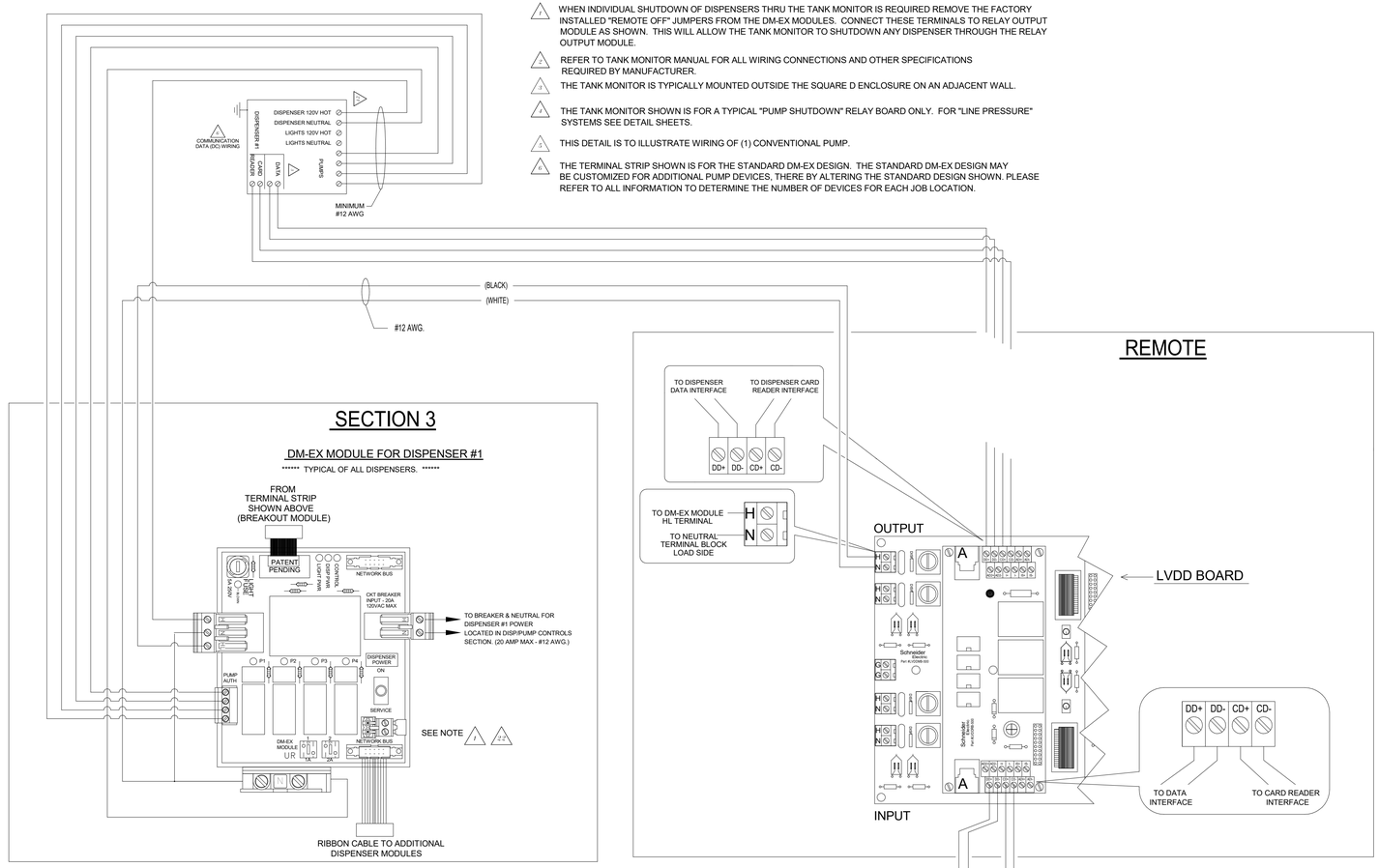
10. WIRING IS TYPICAL OF ALL DISPENSERS. GROUND CONDUCTOR (#12 AWG) MUST ALSO BE RUN FROM EACH DISPENSER TO THE GROUND BAR OF THE DISPENSER/PUMP CONTROL PANEL.
20. DISPENSER "AC" (POWER) AND "DC" (DATA) TYPICALLY RUN IN SEPARATE CONDUITS, OR PER DISPENSER MANUFACTURES REQUIREMENTS.
19. SEE DISPENSER INSTALLATION DIAGRAMS FOR TERMINATION LABELING.
21. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60°C.
22. FACTORY INSTALLED "REMOTE OFF" JUMPERS ON DM-EX MODULES MUST REMAIN IN PLACE DURING NORMAL OPERATION. REMOVING THIS JUMPER AND WIRING INTO A "PAN SENSOR" SYSTEM PROVIDES INDIVIDUAL SHUTDOWN OF EACH DISPENSER.
23. THE WIRE SIZE AND NUMBER OF CONDUCTORS REQUIRED FOR COMMUNICATION/DATA (DC) WIRING MUST BE DETERMINED BY THE SPECIFICATIONS OF THE DISPENSER MANUFACTURER. TYPICALLY 2 CONDUCTORS NORMALLY SHIELDED CABLES ARE REQUIRED WHEN CARD READERS IN THE DISPENSER ARE USED.

DISPENSER DM-EX MODULE CHART

DISP. NUMBER	BREAKER DESCRIPTION	VOLTS	AMPS	PANEL CIRCUITS
DM-EX #1	MDP-1	120	20	D-7
DM-EX #2	MDP-2	120	20	D-9
DM-EX #3	MDP-3	120	20	D-11
DM-EX #4	MDP-4	120	20	D-13
DM-EX #5	MDP-5	120	20	D-15
DM-EX #6	MDP-6	120	20	D-17
DM-EX #7	MDP-7	120	20	D-19
DM-EX #8	MDP-8	120	20	D-21
DM-EX #9	(EDO) MDP-1	120	20	D-31
DM-EX #10	(EDO) MDP-2	120	20	D-33
DM-EX #11	(EDO) MDP-3	120	20	D-35
DM-EX #12	(EDO) MDP-4	120	20	D-37

CONFIRM CIRCUIT INFORMATION WITH ELECTRICAL PANE SCHEDULES

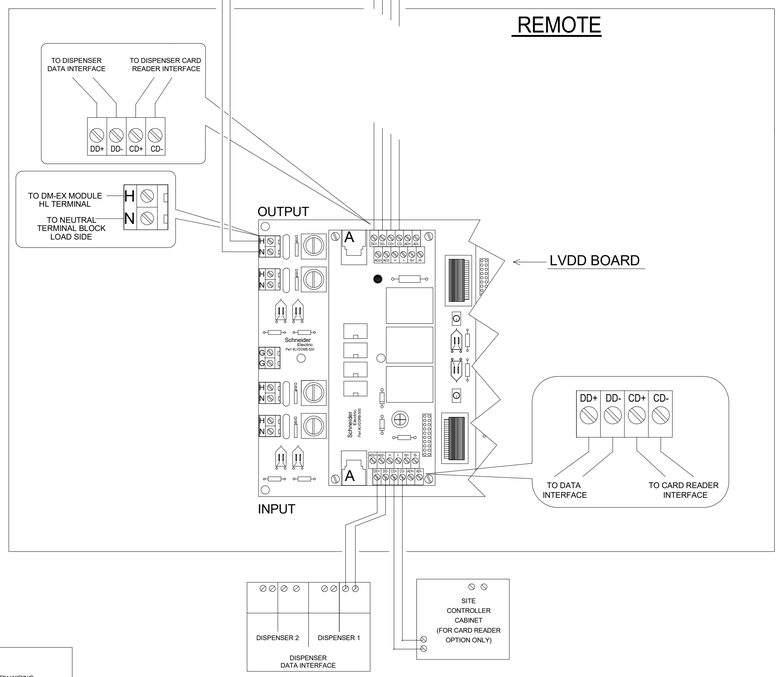
SECTION 3
DM-EX MODULE & LVDD WIRING



TANK MONITOR/PUMP SHUTDOWN
OPTION WITH CONVENTIONAL SUBMERSIBLE PUMPS

1. WHEN INDIVIDUAL SHUTDOWN OF DISPENSERS THRU THE TANK MONITOR IS REQUIRED REMOVE THE FACTORY INSTALLED "REMOTE OFF" JUMPERS FROM THE DM-EX MODULES. CONNECT THESE TERMINALS TO RELAY OUTPUT MODULE AS SHOWN. THIS WILL ALLOW THE TANK MONITOR TO SHUTDOWN ANY DISPENSER THROUGH THE RELAY OUTPUT MODULE.
2. REFER TO TANK MONITOR MANUAL FOR ALL WIRING CONNECTIONS AND OTHER SPECIFICATIONS REQUIRED BY MANUFACTURER.
3. THE TANK MONITOR IS TYPICALLY MOUNTED OUTSIDE THE SQUARE D ENCLOSURE ON AN ADJACENT WALL.
4. THE TANK MONITOR SHOWN IS FOR A TYPICAL "PUMP SHUTDOWN" RELAY BOARD ONLY. FOR "LINE PRESSURE" SYSTEMS SEE DETAIL SHEETS.
5. THIS DETAIL IS TO ILLUSTRATE WIRING OF (1) CONVENTIONAL PUMP.
6. THE TERMINAL STRIP SHOWN IS FOR THE STANDARD DM-EX DESIGN. THE STANDARD DM-EX DESIGN MAY BE CUSTOMIZED FOR ADDITIONAL PUMP DEVICES, THERE BY ALTERING THE STANDARD DESIGN SHOWN. PLEASE REFER TO ALL INFORMATION TO DETERMINE THE NUMBER OF DEVICES FOR EACH JOB LOCATION.

REMOTE



120/208 VOLT COLOR CHART

NOTE

BRANCH CIRCUIT WIRING DONE BY SQUARE D IPxCS WILL BE COLOR CODED!

A PHASE - BLACK WIRE
B PHASE - RED WIRE
C PHASE - BLUE WIRE

ALL SINGLE PHASE WIRING IN BLACK

ALL WIRING ABOVE #10 AWG TO BE PHASE COLORED ON EACH END.

NOTE:
* BEFORE WIRING BRANCH CIRCUITS REFER TO PANELBOARD SCHEDULES TO DETERMINE THE PHASE COLORS TO BE USED.
* ALL MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION SHALL BE PROVIDED BY OTHERS.

WIRING LEGEND

- IPxCS FACTORY WIRING.
- CONTRACTOR FIELD WIRING.

1 CONTROL DIAGRAM
N.T.S.

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SPB NO. 0205 DATE 06/02/23

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PROFESSIONAL SEAL

FOR REFERENCE ONLY

PROJECT NUMBER
2023157.20

SHEET TITLE

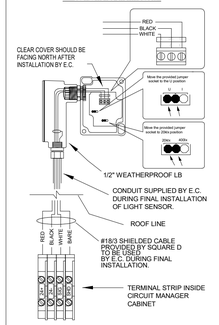
CONTROL DIAGRAMS

SHEET NUMBER

E503

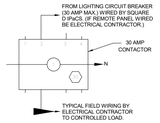
DETAIL 1.0 LIGHT SENSOR FIELD INSTALLATION

SEE ALL NOTES SHOWN BELOW



DETAIL 1.1 LIGHTING CONTACTOR

SEE ALL NOTES SHOWN BELOW



NOTE: LIGHTING CIRCUIT
TYPICAL LIGHTING CIRCUIT SHOWN ABOVE ON CONTACTOR POLE #2.

GENERAL NOTES FOR LIGHT SENSOR INSTALLATION

1) WIRING FOR THE LIGHT SENSOR MUST BE #18/3 SHIELDED CABLE AND TO BE RAN IN A SEPARATE (ELECTRICAL CONTRACTOR SUPPLIED) CONDUIT TO THE ROOF.
2) THE "SHIELD CONDUCTOR" AT THE LIGHT SENSOR JUNCTION BOX MUST BE CUT OFF AT THE INSULATION AND TAPED TO PREVENT GROUNDING. THE "SHIELD CONDUCTOR" AT THE LIGHTING MANAGER MUST BE GROUNDED TO THE MOUNTING SCREEN.
3) THE LIGHT SENSOR "EYE" MUST BE INSTALLED TO FACE THE NORTHERN SKY AWAY FROM ANY OTHER OUTSIDE LIGHTING SOURCES SUCH AS CANOPY LIGHTS, POLE LIGHTS, OR SECURITY LIGHTS.
4) THE LIGHT SENSOR MUST BE MOUNTED AT LEAST 18" ABOVE ROOF LINE.
5) *** SPECIAL NOTE - TEST AND INSPECT / ELECTRICAL CONTRACTOR ***
   THE LMZ105EN1 INCLUDES THE LIGHT SENSOR INSTALLED IN AN ALB1 CONDUIT HOUSING WITH 50 FT. OF #18/3 SHIELDED CABLE. THE LMZ105EN1 ASSEMBLY IS TO BE PRE-WIRED TO THE "FIELD WIRING" SIDE OF TERMINAL STRIP BY TEST & INSPECT AT SQUARE D TO CHECK OPERATION. AFTER CHECKOUT IS COMPLETE - TEST & INSPECT TO TO SECURE LMZ105EN1 ASSEMBLY IN CABINET FOR SHIPMENT, WITH WIRES LEFT CONNECTED. THE ELECTRICAL CONTRACTOR TO COMPLETE INSTALLATION OF LIGHT SENSOR AT JOBSITE USING INFORMATION ABOVE.

GENERAL NOTES FOR LIGHTING CONTROLS

1. ALL DASHED LINES REPRESENT FIELD WIRING BY CONTRACTOR.
2. OVERCURRENT PROTECTION FOR EACH LIGHTING CIRCUIT TO BE CONTROLLED BY THE IPaCS "LIGHTING MANAGER" IS PROVIDED BY OTHERS. THIS OVERCURRENT PROTECTION SHALL BE LIMITED TO 30 AMPS MAXIMUM FOR EACH CIRCUIT.
3. CONTROL FUSE "L1" FOR LIGHTING CONTROL POWER MUST BE "5 AMPS". REPLACE ONLY WITH THE SAME TYPE AND RATING OF FUSE.
4. CONTROL FUSE "24+" ON LIGHTING CONTROL STRIP MUST BE "2 AMPS". REPLACE ONLY WITH THE SAME TYPE AND RATING OF FUSE.
5. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60° C IF CIRCUIT IS RATED LESS THAN 100 AMPS OR A MINIMUM INSULATION RATING OF 75° C IF CIRCUIT IS RATED OVER 100 AMPS.
6. ALL CONTACTORS SHALL BE WIRED INDEPENDENTLY TO A TERMINAL BLOCK AT THE OUTPUT TERMINAL BLOCK INTERFACE.
7. THE WIRES FROM ALL CONTACTORS (1 THRU 10) MUST BE NUMBERED AT THE OUTPUT TERMINAL BLOCK INTERFACE.
8. THE CONTACTOR CONTROL WIRING CHART SHOWS OUTPUTS 1 THRU 10 OF THE SQUARE D Z10 LIGHTING MANAGER. THIS CHART ALSO SHOWS THE NUMBER OF CONTACTORS WIRED TO EACH OUTPUT AT THE FACTORY. THIS CONFIGURATION MAY BE FIELD MODIFIED BY MOVING THE INDEPENDENTLY WIRED CONTACTOR COIL WIRE TO THE CORRESPONDING TERMINAL BLOCK OF THE DESIRED OUTPUT CONTROL CHANNEL.
9. ALL MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION SHALL BE PROVIDED BY OTHERS.
10. INSTALLER CONTRACTOR NOTE: DO NOT REMOVE TOPPER LIGHTING CONTROL WIRES. DO NOT CONNECT ANY OTHER CIRCUITS TO THIS CONTACTOR POLE.

** NOTE: THERE SHALL ONLY BE A TOTAL OF 4 WIRES LOCATED UNDER ANY ONE LUG OF THE OUTPUT TERMINAL BLOCK INTERFACE. FAILURE TO COMPLY TO THIS WARNING MAY CAUSE EXCESSIVE HEATING AND IMPROPER OPERATION OF THIS LIGHTING CONTROL SYSTEM.

120/208 VOLT COLOR CHART

NOTE

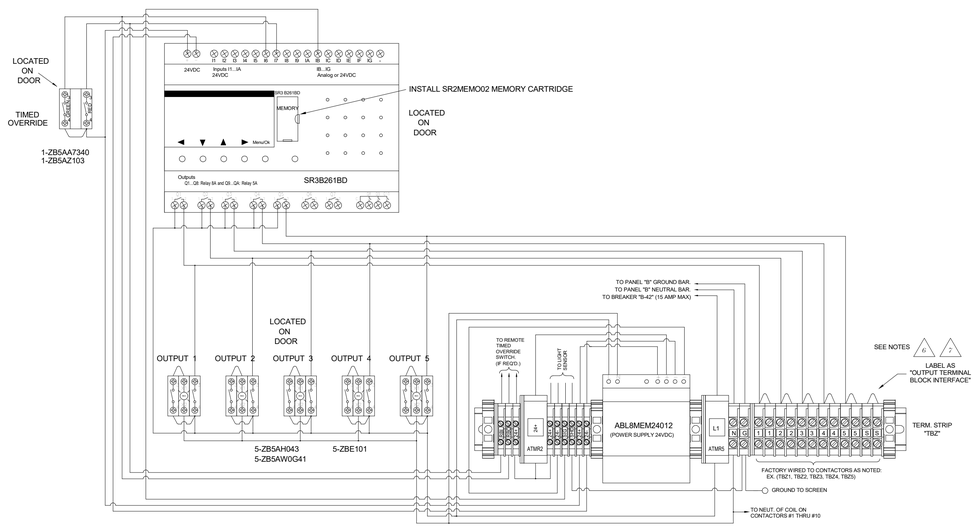
BRANCH CIRCUIT WIRING DONE BY SQUARE D IPaCS WILL BE COLOR CODED!

A PHASE - BLACK WIRE
B PHASE - RED WIRE
C PHASE - BLUE WIRE
ALL SINGLE PHASE WIRING IN BLACK
ALL WIRING ABOVE #10 AWG TO BE PHASE COLORED ON EACH END.

NOTE:
* BEFORE WIRING BRANCH CIRCUITS REFER TO PANELBOARD SCHEDULES TO DETERMINE THE PHASE COLORS TO BE USED.
* ALL MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION SHALL BE PROVIDED BY OTHERS.

OUTSIDE LIGHTING CONTROL WIRING DETAIL

LM40Z10 LIGHTING MANAGER



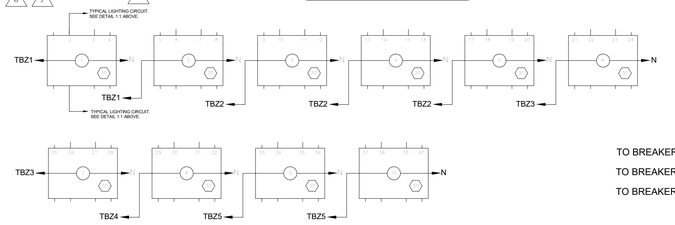
** IMPORTANT NOTE **
READ ALL NOTES BEFORE MAKING ANY MODIFICATIONS TO THE ORIGINAL FACTORY WIRING OF THIS SYSTEM.

SEE NOTES 0 7

TYPICAL CONTACTOR COIL WIRING

10-DPA34Y122Y236 4 POLE CONT'S

SEE NOTE 2

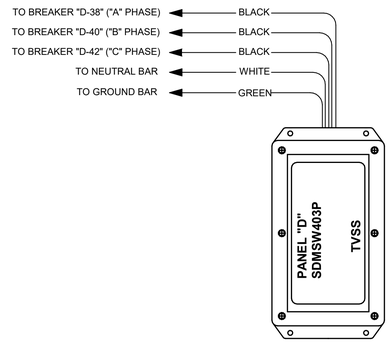


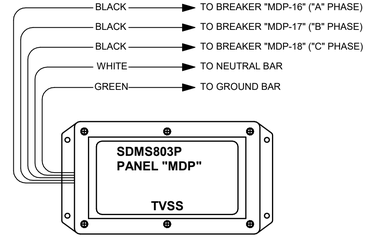
LIGHTING MANAGER
ORIGINAL FACTORY WIRING CONFIGURATION OF OUTPUT CHANNELS AND CONTACTORS

CONTACTOR #	CHANNEL	L1	L2	L3	L4
1	1	B-35	B-37	B-12	B-20
2	1	B-22	B-24	B-26	B-30
3	2	B-1	B-3	B-5	B-7
4	2	B-17	B-10		
5	2				
6	3	B-2	B-4	B-6	B-8
7	3	B-27	B-29		
8	4	B-14	B-16		
9	5	B-9	B-11		
10	5				

WIRING LEGEND

IPaCS FACTORY WIRING.
CONTRACTOR FIELD WIRING.





120/208 VOLT COLOR CHART

NOTE

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ALL SINGLE PHASE WIRING IN BLACK
ALL WIRING ABOVE #10 AWG TO BE PHASE COLORED ON EACH END.

NOTE:
* BEFORE WIRING BRANCH CIRCUITS REFER TO PANELBOARD SCHEDULES TO DETERMINE THE PHASE COLORS TO BE USED.
* ALL MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION SHALL BE AS SCHEDULED ON SHEET E410 & E411.

2 CONTACTOR CONTROL DIAGRAM
N.T.S.

1 SPD WIRING DETAIL
N.T.S.

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200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

LAKE OCONEE

GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

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PROJECT NUMBER
2023157.20

SHEET TITLE

CONTROL DIAGRAMS

SHEET NUMBER

E504

Passive system wiring

The Standard Bio Blender always needs to be mounted near the diesel thanks to allow the transport driver to enter drop quantities. The ideal location for the passive panels is also at or near the diesel tanks. This allows for personnel to observe status of blending along with startup and service issues. The passive system may be mounted in the site electrical room. The amount of conduit and wiring is greatly increased and operational testing is more difficult. Depending on the location of the Junge panels, diesel turbine meters and bio meters conduit number routing may vary.

With a flip of a switch the passive system can also revert back to the standard system if needed.

The Junge Passive Bio Blender requires the following wiring connections:

#1 System power. 120vac

#2 A tank monitor high level relay output for each diesel tank and a low level relay output for the bio tank. A single 120vac wire that is switched power is to be connected from the Junge and looped to all relay commons. A wire from each of the diesel high and bio low normally open contacts are returned to Junge panel.

#3 One 120vac bio hook signal back to tank monitor for pump motor activation and pressure line monitoring.

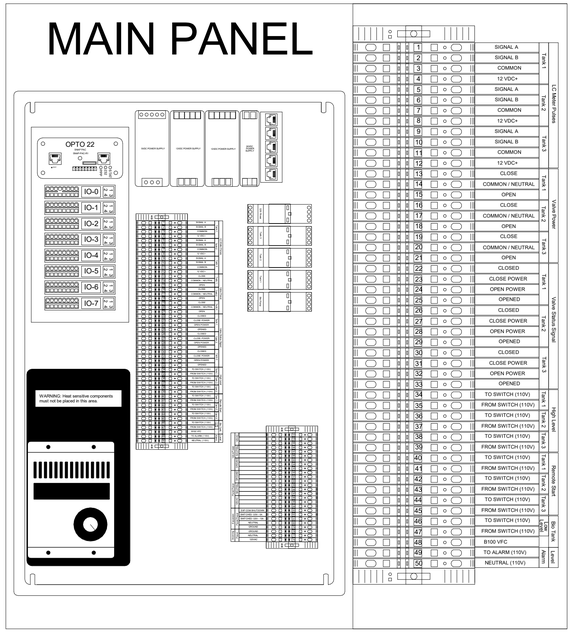
#4 One Cat 5 cable from Junge panel to the sites network switch. Along with transaction data to FTP site the printer also receives transaction data thru the network switch.

#5 Each bio meter requires a 18 gauge 4 conductor shielded cable for the Pod (Pulse Output Device) and a 18 gauge 2 Conductor shielded cable for the 12vdc solenoid valve. These DC cables can be routed in the same conduit.

#6 Each diesel 4" turbine meter requires 2-3 conductor shielded cables. If located in the same sump with the bio meter these cables can be routed with the other Dc cables.

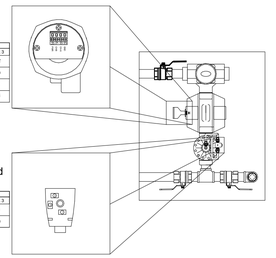
#7 Each diesel remote fill line also has a 120vac flow switch. The flow switch requires 2-14 gauge wires and a ground. These wires need to be in a separate conduit from any Dc cables.

MAIN PANEL



Connection Guide
LC POD Pulser
4-wire 18GA Shielded Cable

	Junge Terminal Block		
	Tank 1	Tank 2	Tank 3
20 PWR	4	8	12
21 CH-B	2	6	10
22 CH-A	1	5	9
23 GND	3	7	11



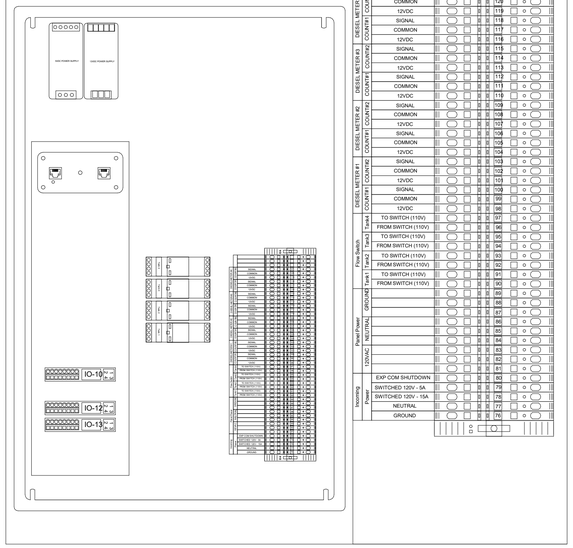
Connection Guide
12VDC Solenoid
2-wire 18GA Shielded Cable

	Junge Terminal Block		
	Tank 1	Tank 2	Tank 3
1-RED	15	18	21
2-BLACK	14	17	20

Connection Guide
High/Low Level Alarms
14GA THHN Stranded Wire

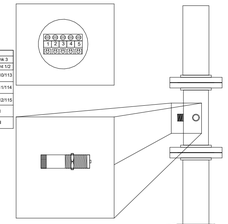
TLS_450	Junge Terminal Block			
UIOM	High Level			Low Level
Normi-open	Tank 1	Tank 2	Tank 3	Bio Tank
1 - Out	35			
2 - Out		37		
3 - Out			39	
4 - Out				47

EXPANSION PANEL



Connection Guide
Turbine Amplifier Puck
3-wire 18GA Shielded Cable

	Junge Terminal Block		
	Tank 1 Count 1/2	Tank 2 Count 1/2	Tank 3 Count 1/2
# 1	98/101	104/107	110/113
# 2	99/102	105/108	111/114
# 3	100/103	106/109	112/115
# 4	Black Wire from Pickup Coil		
# 5	White Wire from Pickup Coil		

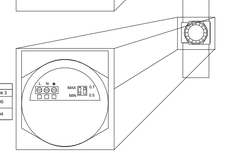


Connection Guide
Turbine Pickup Coil
2-wire 18GA Shielded Cable

Connection Guide
Remote Fill Flow Switch
14GA THHN Stranded Wire

	Junge Terminal Block		
	Tank 1	Tank 2	Tank 3
L	91	93	95
N	90	92	94

Dip-Switches must be set @ MIN & 0.7



1 CONTROL DIAGRAMS
12" = 1'-0"

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SUITE 900
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

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GREENSBORO
GA 30642
2670 LAKE OCONEE PKWY

RACETRAC STORE NUMBER

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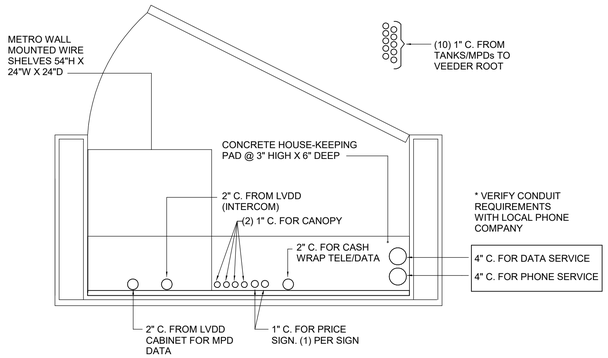
SHEET TITLE

CONTROL DIAGRAMS

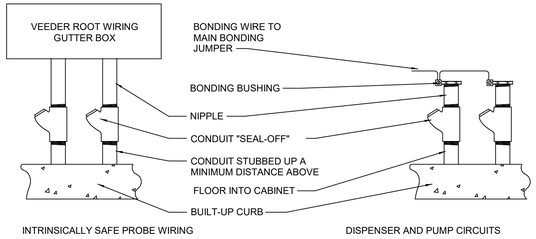
SHEET NUMBER

E506



7 (EDO) TELEPHONE BACKBOARD DETAIL

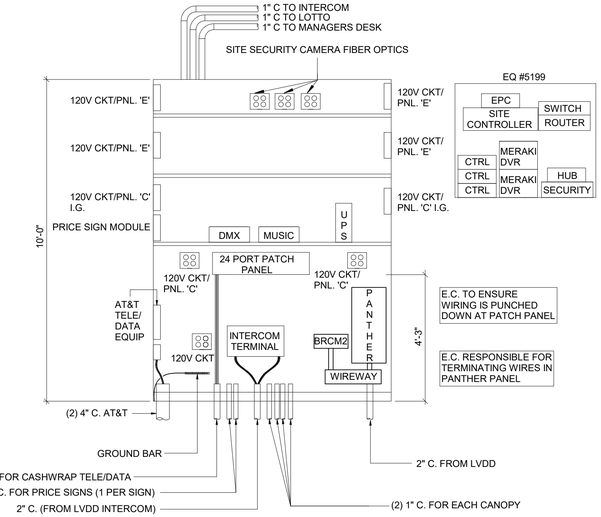
N.T.S



NOTE: REFER TO PLAN TO VERIFY QUANTITY OF STUB-UPS REQUIRED. REFER ALSO TO POWERBOX SHOP DRAWINGS FOR SCHEMATIC ROUGH-IN LOCATIONS.

4 DISPENSER PUMP AND INTRINSICALLY SAFE STUB-UP DETAIL

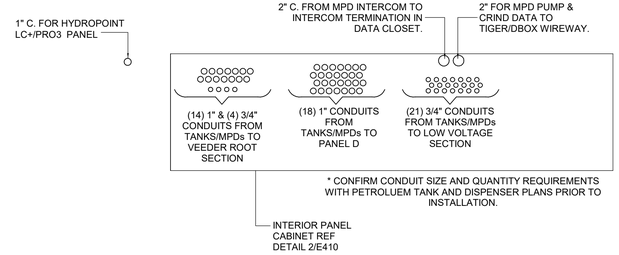
N.T.S.



5 (EDO) TELEPHONE BACKBOARD ELEVATION

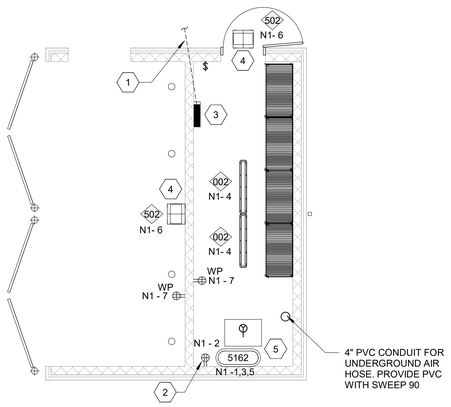
N.T.S.

1. PROVIDE AT TELEPHONE BACKBOARD SQUARE 'D' #PIC27GTA GROUND BAR. RUN 1#6 BARE GROUND CONDUCTOR TO BUILDING GROUND. LEAVE 6' SLACK FOR CONNECTION BY TELCO.



6 (EDO) PANEL CONDUIT DIAGRAM

N.T.S

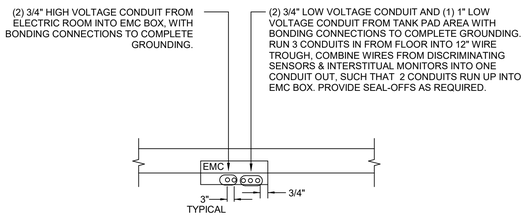


KEYNOTES

1. PROVIDE 4#4, 1#10G. IN 1-1/4" CONDUIT FROM PANEL A TO PANEL N1.
2. PROVIDE WEATHERPROOF RECEPTACLE WITHIN 5'-0" OF AIR COMPRESSOR FOR TANK DRAIN.
3. PANEL 'N1'. SEE SHEET E-432 FOR ADDITIONAL INFORMATION.
4. ADD PHOTOCELL TO CONTROL LIGHT FIXTURE. E.C. SHALL COORDINATE REQUIREMENTS WITH LIGHTING MANUFACTURER PRIOR TO ROUGH-IN.
5. AIR COMPRESSOR. COORDINATE ALL INSTALLATION REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.

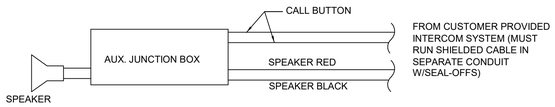
2B DUMPSTER ENCLOSURE ELECTRICAL PLAN

N.T.S



1 TANK MONITORING DETAIL

N.T.S.



3 INTERCOM SINGLE LINE DIAGRAM

N.T.S.

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DESIGN PROFESSIONALS

GPD GROUP
Professional Corporation
520 S. MAIN STREET, STE 2531
AKRON, OH 44311

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE037532 PROFESSIONAL ENGINEER STEVEN P. SCHAUB
09/15/23

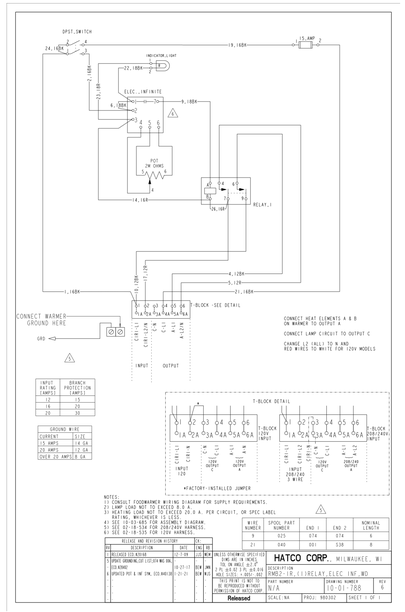
PROJECT NUMBER
2023157.20

SHEET TITLE

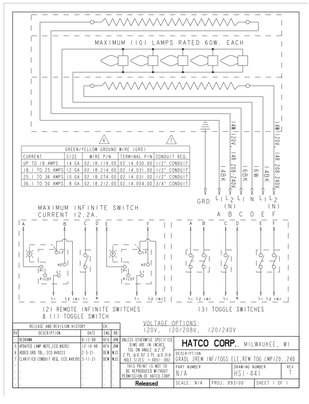
ELECTRICAL DETAILS

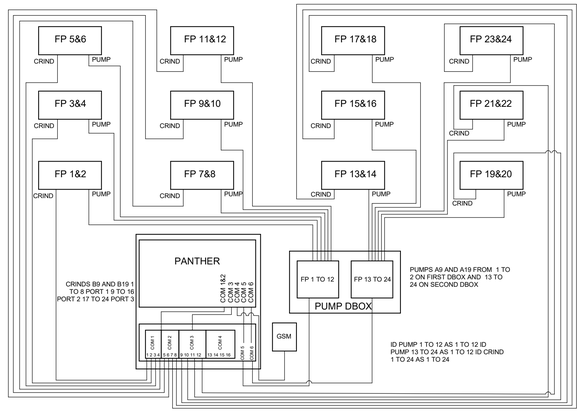
SHEET NUMBER

E600

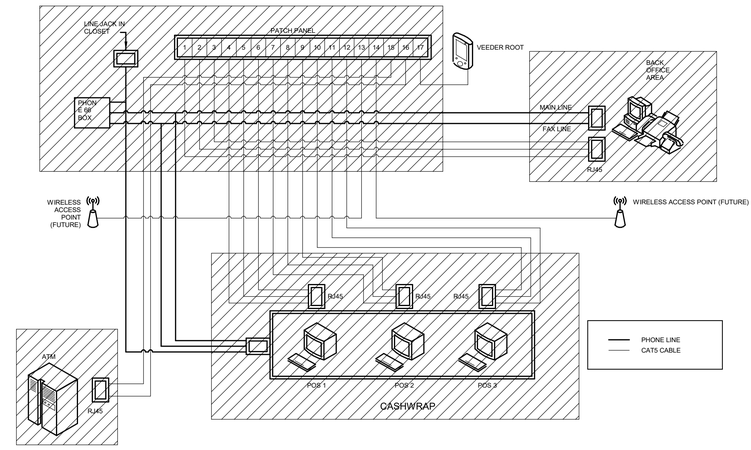


5 EQ. #5192 & #5207 REFERENCE SHEETS
N.T.S.

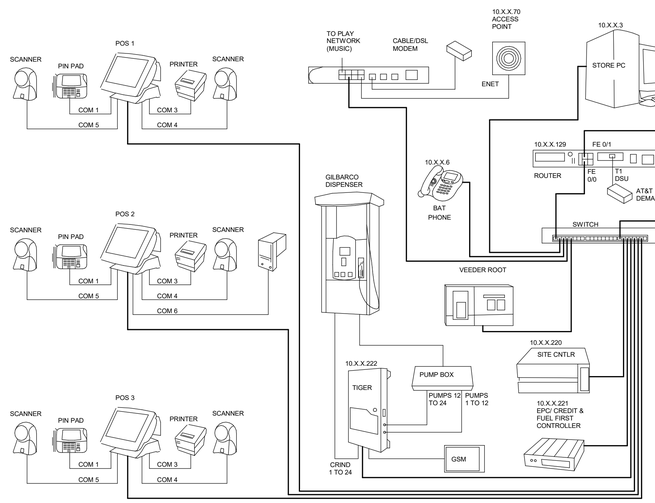




4 PANTHER CONFIGURATION DETAIL
N.T.S.

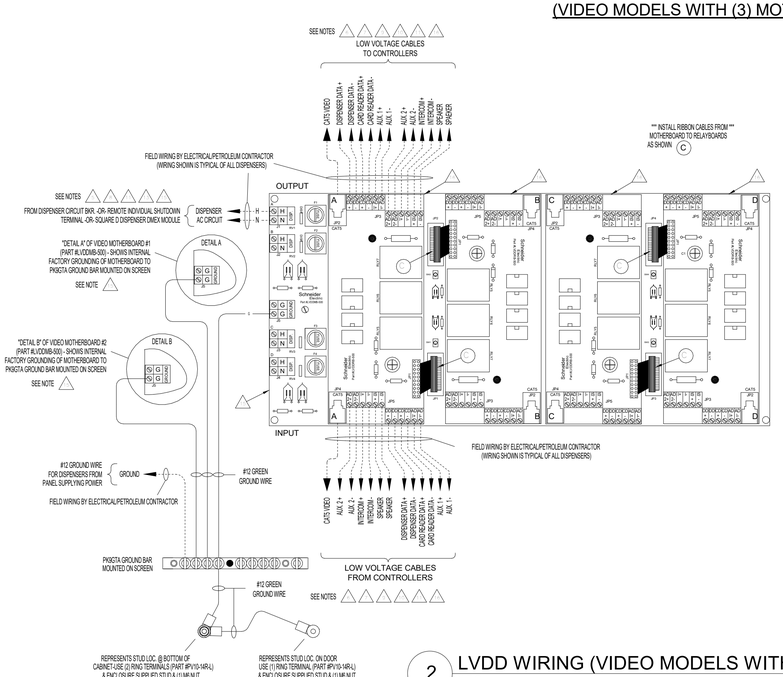


3 LOW VOLTAGE WIRING DETAIL
N.T.S.



1 POINT OF SALE WIRING DETAIL
N.T.S.

LOW VOLTAGE DISPENSER DISCONNECT WIRING (VIDEO MODELS WITH (3) MOTHERBOARDS)



2 LVDD WIRING (VIDEO MODELS WITH (3) MOTHERBOARDS DETAIL)
N.T.S.

GENERAL NOTES FOR THE LOW VOLTAGE DISPENSER DISCONNECT:

1. BEFORE STARTING THE INSTALLATION PROCESS PLEASE READ ALL NOTES AND LOW VOLTAGE DISPENSER DISCONNECT INSTRUCTION BULLETIN.
2. Omit.
3. AS SOME SYSTEMS HAVE BOOTING SEQUENCES WHEN STARTING. THE "LVDD" SHOULD BE ENERGISED AND THEN BRING UP DEVICES ASSOCIATED WITH THE "LVDD" AS PER THEIR MANUFACTURERS INSTRUCTIONS. ALSO CAREFULLY READ LVDD INSTRUCTION BULLETIN SECTION 5 - PRE-ENERGIZING CHECKOUT PROCEDURE AND SECTION 6 - ENERGIZING THE LVDD.
4. ALL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NFPA 70. PLEASE NOTE: DATA, VIDEO, AND INTERCOM ARE CONSIDERED CLASS 1 CIRCUITS.
5. POWER WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
6. DATA WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
7. INTERCOM WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
8. THE DISPENSER "AC" POWER IS FROM EITHER THE ASSOCIATED DISPENSER CIRCUIT BREAKER -OR- THE REMOTE INDIVIDUAL SHUTDOWN TERMINAL ON THE SQUARE D IPaCS DMEX FOR EACH "LVDD" MOTHER BOARD (AS SHOWN AT LEFT). ALSO CAREFULLY READ LVDD INSTRUCTION BULLETIN SECTIONS "ELECTRICAL INSTALLATION", "CABLE PULLING" AND "CABLE TERMINATIONS".
9. DISPENSER "AC" (POWER) AND "DC" (DATA) TYPICALLY RUN IN SEPARATE CONDUITS, OR PER DISPENSER MANUFACTURERS REQUIREMENTS.
10. THE WIRE SIZE AND NUMBER OF CONDUCTORS REQUIRED FOR COMMUNICATION/DATA (DC) WIRING MUST BE DETERMINED BY THE SPECIFICATIONS OF THE DISPENSER MANUFACTURER. TYPICALLY (2) CONDUCTORS (NORMALLY SHIELDED CABLE) ARE REQUIRED WHEN CARD READERS ARE USED IN THE DISPENSERS.
11. THE DISPENSER CONTROL WIRING SHOWN ON THIS DRAWING IS FOR ONE DISPENSER. ALTHOUGH THE NUMBER OF DISPENSERS USED FOR EACH JOB MAY VARY THE WIRING SHOWN IS TYPICAL OF ALL DISPENSERS.
12. ALL SOLID LINES ( ) REPRESENT FACTORY WIRING.
13. ALL DASHED LINES ( ) REPRESENT FIELD WIRING.
14. ALL MAIN DISCONNECT & BRANCH CIRCUIT PROTECTION SHALL BE PROVIDED BY OTHERS.
15. VIDEO MOTHERBOARD (PART #LVDDMB-500). THE NUMBER OF MOTHERBOARDS VARIES DEPENDING ON WHICH MODEL OF LOW VOLTAGE DISPENSER DISCONNECT IS ORDERED. INCOMING POWER/CONTROL WIRING SHOWN ON THIS DRAWING IS TYPICAL OF ALL.
16. VIDEO RELAYBOARD (PART #LVDDRB-500). THE NUMBER OF RELAYBOARDS VARIES DEPENDING ON WHICH MODEL OF LOW VOLTAGE DISPENSER DISCONNECT IS ORDERED. CONTROL WIRING SHOWN ON THIS DRAWING IS TYPICAL OF ALL.

	MODEL NUMBERS USING THIS DWG.	OVERVIEW DRAWING NUMBER	WIRING DRAWING NUMBER	MOTHERBOARD PART #	QTY	RELAYBOARD PART #	QTY
VIDEO	LVDD-V-8X	LVDD-V-03M	LVDD-V-W3M	LVDDMB-500	2*	LVDDRB-500	8
	LVDD-V-X-9			LVDDMB-500	3	LVDDRB-500	9
	LVDD-V-10			LVDDMB-500	3	LVDDRB-500	10
	LVDD-V-11			LVDDMB-500	3	LVDDRB-500	11
	LVDD-V-12			LVDDMB-500	3	LVDDRB-500	12

*SPECIAL NOTE: MODEL NUMBER LVDD-V-8X WILL HAVE QTY OF (2) MOTHERBOARDS INSTALLED WITH ROOM TO ADD (1) MOTHERBOARD

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DESIGN PROFESSIONALS

ISSUE/REVISION RECORD

DATE	DESCRIPTION
09/15/23	PERMIT SET

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RACETRAC STORE NUMBER

#1635

PROTOTYPE SERIES 2023

2023 LH MO

PLAN MODIFICATION NOTICE

SPB NO. 0205 **DATE** 06/02/23

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/ REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

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PROJECT NUMBER
2023157.20

SHEET TITLE

ELECTRICAL DETAILS

SHEET NUMBER

E601