NATIONAL ACCOUNT VENDOR LIST

	PRODUCT	VENDOR	CONTACT	PHONE	ADDRESS
1	WALK-IN COOLER AND FREEZERS	CROWN TONKA	JANNA WILSON JANNA@REDICOINC.COM	O: (678) 998-1222	1850 SOUTH LEE COURT BUFORD, GA 30518
2	BRICK	US BRICK	CARL KEENUM CKEENUM@USBRICK.COM	M: (256) 759-7600	
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 7616
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	KEN REVILLA KEN.REVILLA@CARRIER.COM	M: (954) 218-0070	
8	CEILING TILE	ARMSTRONG WORLD INDUSTRIES	CHERYL B. SMITH CBSMITH@ARMSTRONGCEILINGS.COM	M: (252) 214-4426	2500 COLUMBIA AVENUE LANCASTER, PA 17603
9	ACM - GA, FL, TN, KY, & IN	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
12	WALK-OFF CARPET - IN	INTERFACE	EMILY SLAYTON EMILY.SLAYTON@INTERFACE.COM	M: (404) 357-5627	1280 W PEACHTREE ST NW, ATLANTA, GA 30309
13	FURNITURE	CHARTER HOUSE	BOOTSIE LANPHER BOOTSIELANPHER@GMAIL.COM	M: (610) 247-4679	

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

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.
- 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.

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

PROJECT TEAM

CLIENT:
RACETRAC, INC.
200 GALLERIA PARKWAY SOUTHEAST
SUITE 900
ATLANTA, GA 30339
PHONE: (770) 431-7600

ARCHITECT:
BRR ARCHITECTURE INC.
8131 MELCALF AVE.
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

STRUCTURAL:
JOHNSTON BURKHOLDER ASSOCIATES
930 CENTRAL STREET
KANSAS CITY, MO 64105
PHONE: (816) 412-4200

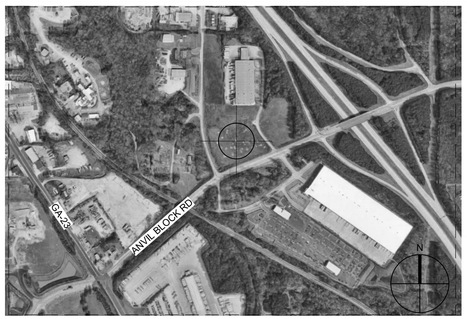
MECHANICAL:
HENDERSON ENGINEERS
8545 LENEXA DRIVE
SUITE 200
LENEXA, KS 66214
PHONE: (913) 742-5000

PLUMBING:
HENDERSON ENGINEERS
8545 LENEXA DRIVE
SUITE 200
LENEXA, KS 66214
PHONE: (913) 742-5000

ELECTRICAL:
HENDERSON ENGINEERS
8545 LENEXA DRIVE
SUITE 200
LENEXA, KS 66214
PHONE: (913) 742-5000

CIVIL:
BOHLER ENGINEERING
211 PERIMETER CENTER PKWY NE
SUITE 425
ATLANTA, GA 30346
PHONE: (678)695-6800

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
2017 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL FIRE PREVENTION CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE W/ GEORGIA AMENDMENTS
GEORGIA ACCESSIBILITY CODE

CONSTRUCTION TYPE: V - B (UNSPRINKLERED)

OCCUPANCY: M

	ALLOWED	PROVIDED
BUILDING AREA:	9,000 SF (PER TABLE 506.2)	8,100 SF (BUILDING ENVELOPE) 602 SF (PATIO) 8,702 SF (TOTAL)

NUMBER OF STORIES: 1

WIND CRITERIA:

ULTIMATE WIND SPEED, Vult (3 SEC. GUST) = 115 MPH

NOMINAL WIND SPEED, Vasd (3 SEC. GUST) = 90 MPH

OCCUPANT LOAD:
MERCANTILE

GRADE FLOOR AREAS	1 PER 30 GSF	
STOCK/SHIPPING	1 PER 300 GSF	
OFFICE AREAS	1 PER 100 GSF	
CUSTOMER/RETAIL AREA:	4,500 GSF / 30 SF =	150 PERSONS
SEATING AREA:	150 GSF [12 FIXED SEATS]	12 PERSONS
BACK OF HOUSE/ EMPLOYEE WORK AREA:	2,280 GSF / 300 SF =	8 PERSONS
CASH WRAP	373 GSF / 100 SF =	4 PERSONS
FOOD AREA	367 GSF / 100 SF =	4 PERSONS
PATIO EXTERIOR SEATING	[24 FIXED SEATS]	24 PERSONS
TOTAL		202 PERSONS

PLUMBING

REQUIRED

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

PROVIDED

4	4	4	2

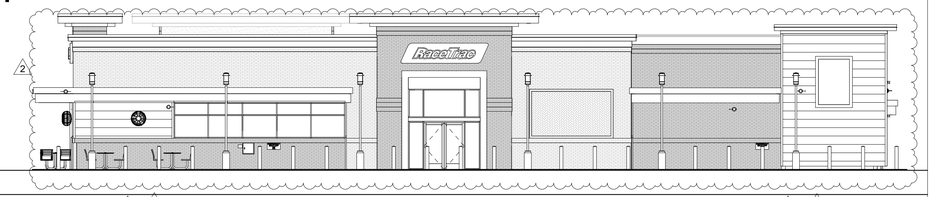
NOTE: A BEVERAGE FOUNTAIN WITH DRINKING WATER OFFERING IS USED TO SATISFY THE DRINKING FOUNTAIN REQUIREMENT.

APPROVED PRODUCTS LIST

CATEGORY	SUBCATEGORY	MANUFACTURER	COMMENTS
EXTERIOR SWING DOORS			
STOREFRONT, CURTAINWALL, AND CLADDING		OLDCASTLE (FG-3000 THERMAL MULTIPLANE CENTER SET)	
ROOFING	SINGLE PLY ROOF SYSTEMS	DURO-LAST	
ROOFING	METAL ROOFING	ENGLERT	
DOORS	ROLLUP	WAYNE DALTON	
CLADDING	ACM PANEL SYSTEM	REYNOBOND	
CLADDING	CEMENT BOARD SIDING	JAMES HARDIE	

RaceTrac®
TRAVEL CENTER

4443 OLD DUNN COURT
ELLENWOOD, GA
RACETRAC #1478



INDEX OF DRAWINGS

LEGEND: SHEET ISSUED

SHEET NUMBER	TITLE	PERMIT SET	REV 1-CODE COMMENTS	REFRESH 2021_0507
A000	COVER SHEET	■	■	
A001	ACCESSIBILITY DETAILS	■	■	
A002	ACCESSIBILITY PLAN	■	■	
A003	LIFE SAFETY PLAN	■	■	
A005	GENERAL REQUIREMENTS	■	■	
A010	DUMPSTER ENCLOSURE PLAN	■	■	
A012	DUMPSTER ENCLOSURE DETAILS	■	■	
A013	DUMPSTER ENCLOSURE DETAILS	■	■	
A100	EXTERIOR SIDEWALK PLAN	■	■	
A101	EXTERIOR SIDEWALK PLAN DETAILS	■	■	
A110	FLOOR REFERENCE PLAN	■	■	
A111	PARTITION TYPES	■	■	
A120	FLOOR DIMENSION PLAN	■	■	
A123	RESTROOM ENLARGED PLAN	■	■	
A126	CORNER TOWER PLAN AND DETAILS	■	■	
A130	FLOOR FINISH PLAN	■	■	
A140	FLOOR FIXTURE AND EQUIPMENT PLAN	■	■	
A141	EQUIPMENT SCHEDULE	■	■	
A150	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	■	■	
A411	WALL SECTIONS	■	■	
A420	WALL SECTIONS	■	■	
A421	WALL SECTIONS	■	■	
A422	WALL SECTIONS	■	■	
A423	WALL SECTIONS	■	■	
A430	DETAILS	■	■	
A431	DETAILS	■	■	
A500	ROOM FINISH AND MATERIAL SCHEDULES	■	■	
A501	INTERIOR ELEVATIONS	■	■	
A502	INTERIOR ELEVATIONS	■	■	
A503	EQUIPMENT CLEARANCES	■	■	
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	■	■	
C200	SECONDARY FUEL CANOPY PLANS AND ELEVATIONS	■	■	
S000	GENERAL STRUCTURAL NOTES	■	■	
S001	GENERAL STRUCTURAL NOTES	■	■	
S002	SPECIAL INSPECTIONS AND NOTES	■	■	
S010	ENCLOSURE FOUNDATION PLANS AND DETAILS	■	■	
S011	ENCLOSURE ROOF FRAMING PLANS AND DETAILS	■	■	
S120	FOUNDATION PLAN	■	■	
S200	ROOF FRAMING PLAN	■	■	

LEGEND: SHEET ISSUED

SHEET NUMBER	TITLE	PERMIT SET	REV 1-CODE COMMENTS	REFRESH 2021_0507
S201	HIGH ROOF FRAMING PLANS	■	■	
S430	TYPICAL DETAILS	■	■	
S431	FOUNDATION SECTIONS AND DETAILS	■	■	
S432	TYPICAL STEEL DETAILS	■	■	
S433	FRAMING SECTIONS AND DETAILS	■	■	
S434	FRAME ELEVATIONS AND DETAILS	■	■	
M001	MECHANICAL NOTES AND LEGENDS	■	■	
M002	MECHANICAL EQUIPMENT SCHEDULES	■	■	
M120	MECHANICAL PLAN	■	■	
M200	MECHANICAL ROOF PLAN	■	■	
M430	MECHANICAL DETAILS	■	■	
M431	MECHANICAL DETAILS	■	■	
M432	MECHANICAL RTU WIRING DIAGRAM	■	■	
M500	K-TECH	■	■	
M501	K-TECH	■	■	
M502	K-TECH	■	■	
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	■	■	
SP-2	PHOTOMETRY CUT SHEETS	■	■	
SP-3	PHOTOMETRY CUT SHEETS	■	■	
E001	ELECTRICAL NOTES, LEGENDS AND LIGHT FIXTURE SCHEDULE	■	■	
E002	ELECTRICAL EQUIPMENT SCHEDULE	■	■	
E003	VOLTAGE DROP CALCULATIONS	■	■	
E010	ELECTRICAL SITE PLAN	■	■	
E011	ELECTRICAL SITE LIGHTING 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	ELECTRICAL PANEL SCHEDULES	■	■	
E500	CONTROL DIAGRAMS	■	■	
E501	CONTROL DIAGRAMS	■	■	
E502	CONTROL DIAGRAMS	■	■	
E503	CONTROL DIAGRAMS	■	■	
E504	CONTROL DIAGRAMS	■	■	
E600	ELECTRICAL DETAILS	■	■	
E601	ELECTRICAL DETAILS	■	■	

INCORPORATED SPB - 2021_0504; 2021_0505; 2021_0507

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB
CHECKED BY: JCM
DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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 — JOHN P. FRANK — CERTIFICATE NO. PA004201 — REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

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

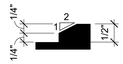


FIG. 303.3

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).

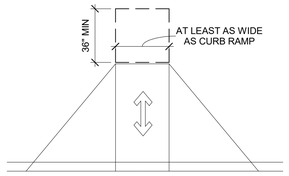
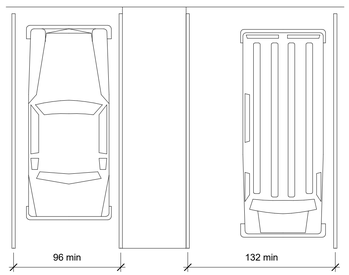


FIG 406.7

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.

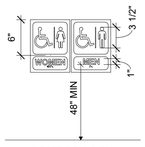
J. SURFACES OF RAMPS SHALL BE SLIP-RESISTANT.

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 PICTOGRAM 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

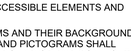

DIRECTIONAL ARROW WHERE NEEDED TO PROVIDE DIRECTION OF ACCESSIBLE PATH

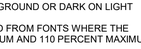


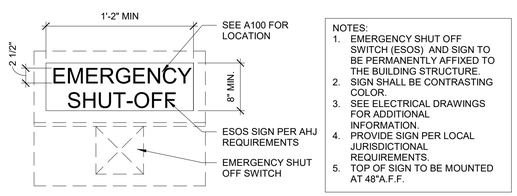
RESTROOM SIGN

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."

CORRESPONDING TYPE II BRAILLE





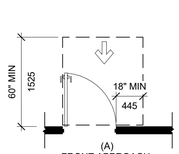


NOTES:
1. EMERGENCY SHUT OFF SWITCH (ESOS) AND SIGN TO BE PERMANENTLY AFFIXED TO THE BUILDING STRUCTURE.
2. SIGN SHALL BE CONTRASTING COLOR.
3. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. PROVIDE SIGN PER LOCAL JURISDICTIONAL REQUIREMENTS.
5. TOP OF SIGN TO BE MOUNTED AT 48"A.F.F.

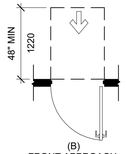
A EMERGENCY SHUT OFF SWITCH SIGN
1" = 1'-0"

7 DOORS:

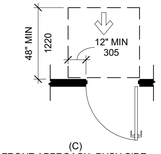
A. LATCHES AND LOCKSETS: PROVIDE LEVER TYPE, PUSH-PULL OR PANIC TYPE HARDWARE 34 INCHES TO 48 INCHES ABOVE FLOOR.
B. MAXIMUM FORCE TO OPERATE INTERIOR / NON-FIRE RATED DOORS SHALL BE 5 LBS PRESSURE. COORDINATE FIRE DOORS OPENING FORCE WITH LOCAL CODES.
C. THRESHOLDS: THE FLOOR OR LANDING SHALL NOT BE 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.



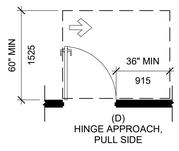
(A) FRONT APPROACH, PULL SIDE



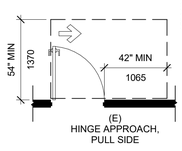
(B) FRONT APPROACH, PUSH SIDE



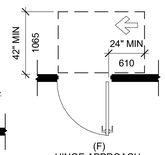
(C) FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



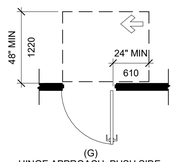
(D) HINGE APPROACH, PULL SIDE



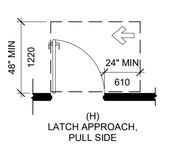
(E) HINGE APPROACH, PULL SIDE



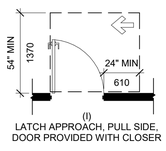
(F) HINGE APPROACH, PUSH SIDE



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

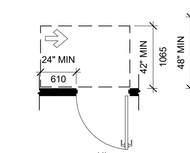


(H) LATCH APPROACH, PULL SIDE

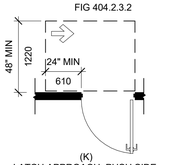


(I) LATCH APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER

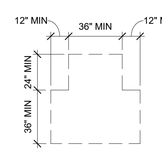
FIG 404.2.3.2



(J) LATCH APPROACH, PUSH SIDE



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

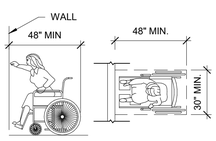


T-SHAPED TURNING SPACE

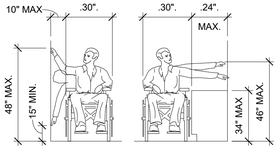
FIG 404.2.3.2

8 SALES/SELF SERVICE AREAS:

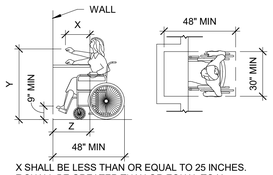
A. FOOD SERVICE AREAS SHOULD BE INSTALLED TO ALLOW AT LEAST 50% OF THE SELF SERVICE SHELVES TO BE WITHIN THE REACH RANGES OF 15 INCH LOW AND 48 INCH HIGH PER 2010 STANDARDS, SECTIONS 308 & 904.5.1.
B. ALL ACCESSIBLE ROUTES SHALL HAVE A MINIMUM CLEAR WIDTH OF 36 INCHES WITH A 60 INCH CLEAR DEPTH OR CLEAR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



HIGH FORWARD REACH LIMIT



SIDE REACH LIMIT

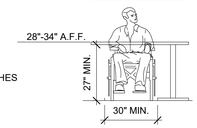


X SHALL BE LESS THAN OR EQUAL TO 25 INCHES.
Z SHALL BE GREATER THAN OR EQUAL TO X.
WHEN X IS LESS THAN 20 INCHES, THEN Y SHALL BE 48" INCHES MAXIMUM.
WHEN X IS 20 TO 25 INCHES, THEN Y SHALL BE 44 INCHES MAXIMUM.

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

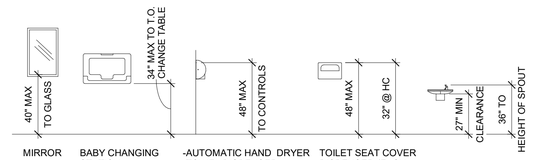
9 PROTRUDING OBJECTS:

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:

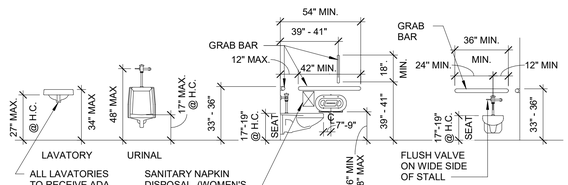
A. ACCESSIBLE COMPARTMENT DOORS SHALL BE SELF CLOSING. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A DOOR PULL IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL NOT REQUIRE THE USER TO GRASP OR TWIST.
B. WATER CLOSET: THE HANDLE OR BUTTON IS TO BE LOCATED ON THE WIDE SIDE OF THE 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 LB/F.
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.



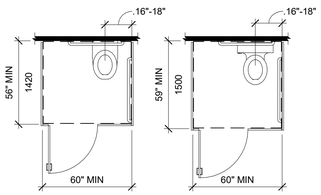
MIRROR | BABY CHANGING STATION | -AUTOMATIC HAND DRYER -TOWEL DISPENSER | TOILET SEAT COVER DISPENSER (EACH STALL)

TOILET ACCESSORIES



LAVATORY ALL LAVATORIES TO RECEIVE ADA COMPLIANT PIPE PROTECTION | URINAL | SANITARY NAPKIN DISPOSAL (WOMEN'S ONLY) EA. STALL | FLUSH VALVE ON WIDE SIDE OF STALL

PLUMBING FIXTURES



1525 (a) adult wall hung water closet
1525 (b) adult floor mounted water closet and children's water closet

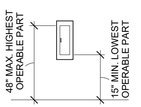
2010 ADA
FIGURE 604.2
WATER CLOSET LOCATION/
FIGURE 604.3.1 SIZE OF CLEARANCE
AT WATER CLOSETS

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

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OVERLAND PARK, KS 66204
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PROJECT MANAGER: CB
CHECKED BY: JCM
DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

RaceTrac®
RACETRAC, INC.
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(770) 431-7600

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21
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



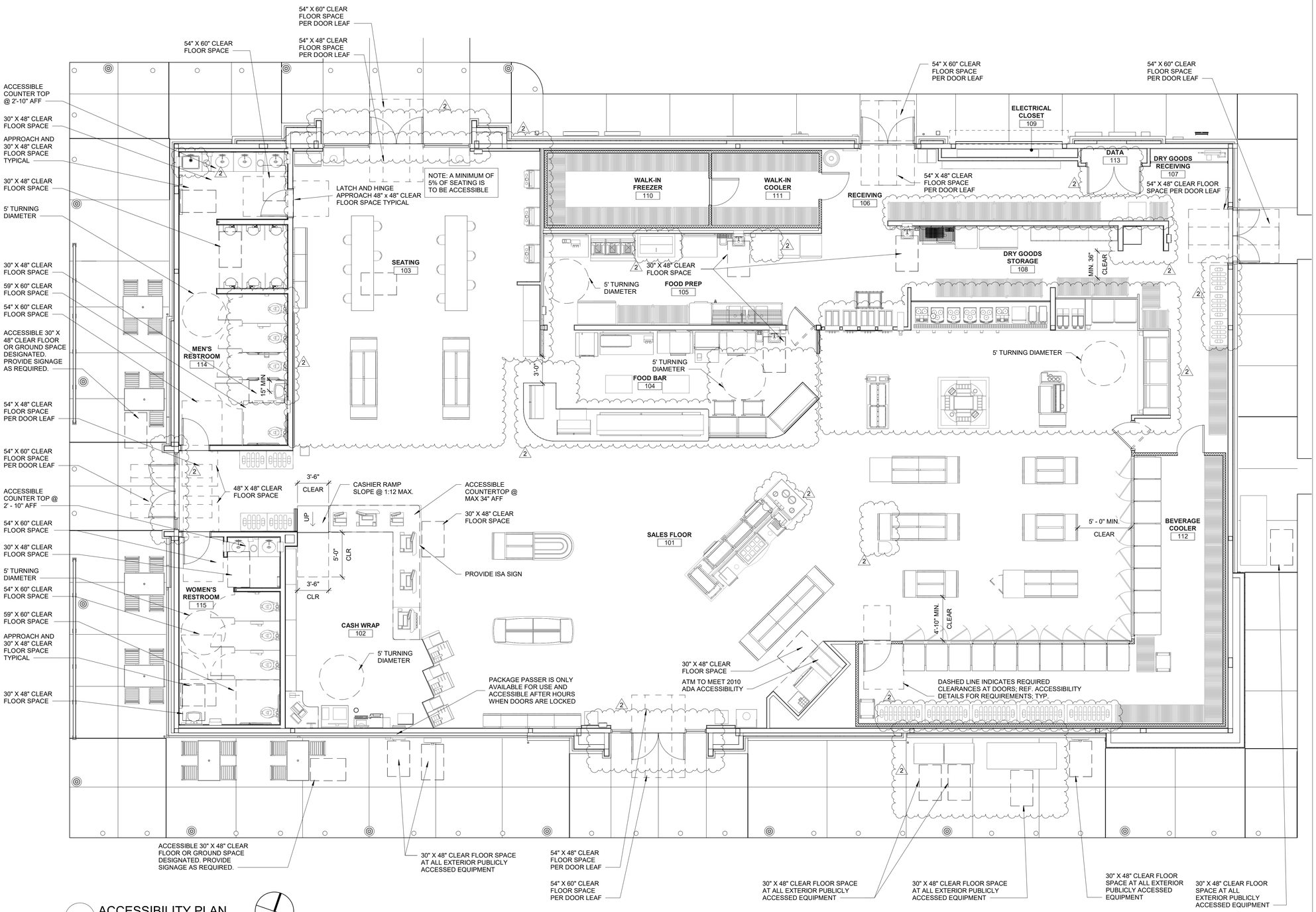
05/16/22

PROJECT NUMBER
63200243

SHEET TITLE
ACCESSIBILITY DETAILS

SHEET NUMBER
A001

INCORPORATED SPB -



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 BOTH SIDES 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 3'-0" WIDTH AND NOT LESS THAN 6'-8" HEIGHT. WHEN INSTALLED, EXIT DOORS SHALL BE OPERATED 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 JURISDICTIONAL REQUIREMENT.

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0505

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PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA024291
REGISTERED ARCHITECT
05/16/22

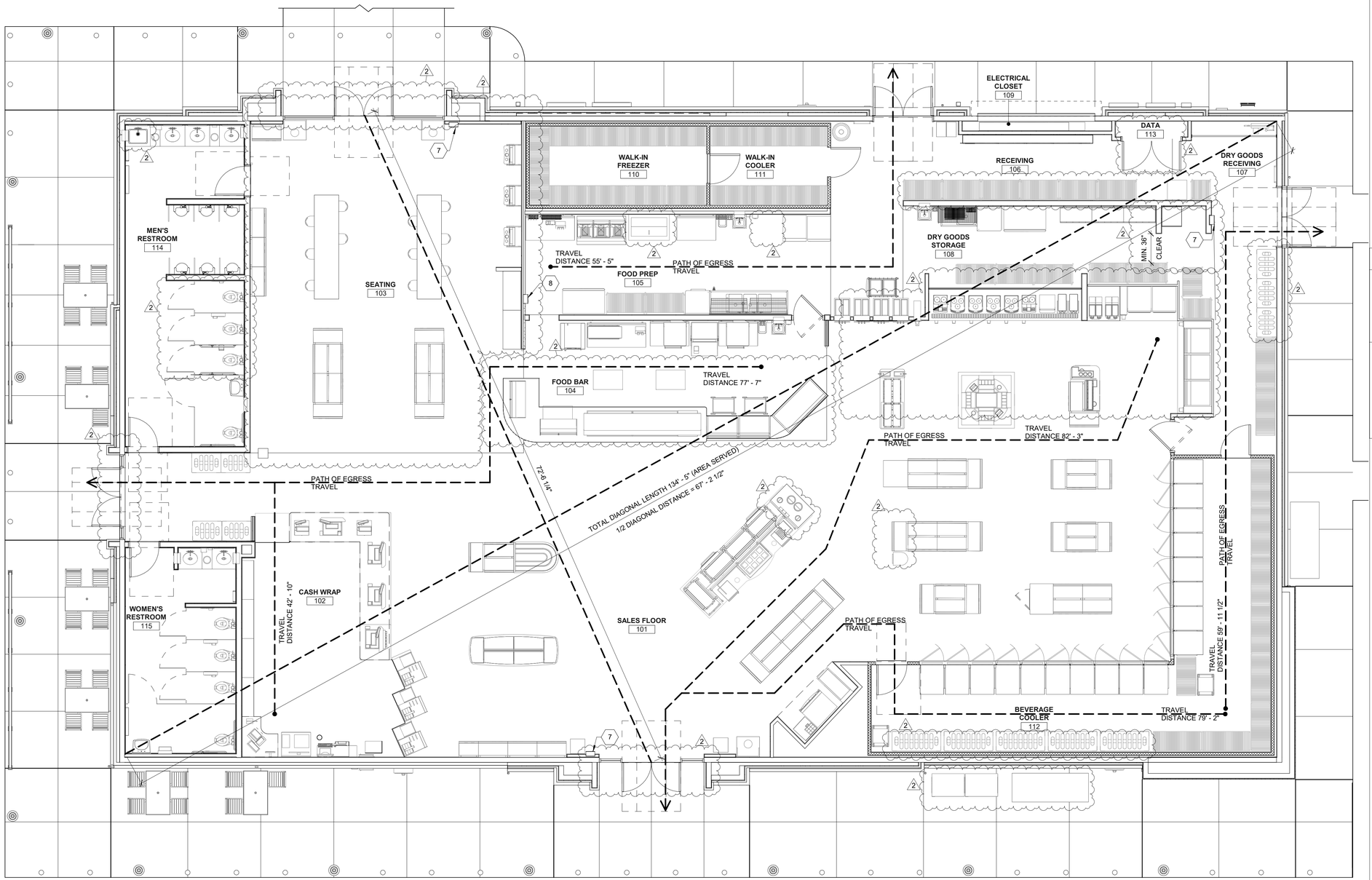
PROJECT NUMBER
63200243

SHEET TITLE

ACCESSIBILITY PLAN

SHEET NUMBER

A002



OCCUPANCY M
CONSTRUCTION TYPE V-B UNSPRINKLERED
MAXIMUM TRAVEL DISTANCE 200'-0"

1 LIFE SAFETY 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 BOTH SIDES 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 3'-0" WIDTH AND NOT LESS THAN 6'-8" HEIGHT. WHEN INSTALLED, EXIT DOORS SHALL BE OPERATED 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 JURISDICTIONAL REQUIREMENT.

SHEET KEYNOTES

7	FIRE EXTINGUISHER CABINET (F.E.C.). SEE EQUIPMENT PLAN FOR LOCATION. CLASS ABC FIRE EXTINGUISHER TO BE INSTALLED IN ACCORDANCE WITH NFPA REQUIREMENTS WITH TRAVEL DISTANCE TO EXTINGUISHER NOT EXCEEDING 75 FEET MEASURED AROUND ALL OBSTRUCTIONS TO THE MOST REMOTE PORTION OF A ROOM OR AREA. TOP OF EXTINGUISHER SHALL NOT BE MORE THAN 5'-0" ABOVE FINISH FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4" ABOVE THE FINISH FLOOR.
8	FIRE EXTINGUISHER CABINET (F.E.C.). SEE EQUIPMENT PLAN FOR LOCATION. CLASS K FIRE EXTINGUISHER TO BE PROVIDED FOR HAZARDS WHERE THERE IS POTENTIAL FOR FIRES INVOLVING COMBUSTIBLE COOKING MEDIA. EXTINGUISHER TO BE INSTALLED IN ACCORDANCE WITH NFPA REQUIREMENTS WITH TRAVEL DISTANCE TO EXTINGUISHER NOT EXCEEDING 75 FEET MEASURED AROUND ALL OBSTRUCTIONS TO THE MOST REMOTE PORTION OF A ROOM OR AREA. TOP OF EXTINGUISHER SHALL NOT BE MORE THAN 5'-0" ABOVE FINISH FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4" ABOVE THE FINISH FLOOR.

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0505

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

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PROTOTYPE SERIES

2021 LH MO 0507

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PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA027001
REGISTERED ARCHITECT

05/16/22

PROJECT NUMBER 63200243

SHEET TITLE

LIFE SAFETY PLAN

SHEET NUMBER

A003

REQUIREMENTS FOR GENERAL CONSTRUCTION

1. ALL CONTRACTORS, PRIOR TO START OF WORK, SHALL SUBMIT TO RACETRAC PETROLEUM, 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 PETROLEUM, 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 PETROLEUM, 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 PETROLEUM 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.

NOTE: WHERE LIGHT GAUGE METAL FRAMING IS SHOWN IN THE ARCHITECTURAL DRAWINGS, PER" SHOP DRAWING NOTE" #1 AND #5 ON SHEET S000, ALL LIGHT GAUGE METAL FRAMING SIZES, BRIDGING, LATERAL BRACING, AND ALL CONNECTIONS ASSOCIATED WITH LIGHT GAUGE METAL FRAMING ARE TO BE DESIGNED BY A CONTRACTOR FURNISHED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

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 PETROLEUM.

   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 PETROLEUM, 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 RAINBIRD.

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.

34. 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

GENERAL ABBREVIATIONS

ABBR.	DEFINTION
ACC	ACCESSIBLE
ACM	ALUMINUM COMPOSITE MATERIAL
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
ATTN	ATTENTION
BO	BOTTOM OF
BOH	BACK OF HOUSE
BOS	BOTTOM OF STEEL
CLR	CLEAR
CMU	CONCRETE MANSONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
DIA	DIAMETER
DIM	DIMENSION
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EQ	EQUAL
FF EL	FINISHED FLOOR ELEVATION
FF	FINISHED FLOOR
FO	FACE OF
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP BD	GYPSUM BOARD
HSS	HOLLOW STRUCTURAL SECTION
HTF	HOLD TO FACE
HVAC	HEATING VENTILATION AND AIR CONDITIONING
INFO	INFORMATION
ISA	INTERNATION SYMBOL OF ACCESSIBILITY
MANUF	MANUFACTURER
MIN	MINIMUM
MTL	METAL
NPFA	NATIONAL FIRE PROTECTION ASSOCIATION
OC	ON CENTER
OH	OPPOSITE HAND
PMEJ	PREMOLDED EXPANSION JOINT
PT	PRESSURE TREATED
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
RO	ROUGH OPENING
SF	SQUARE FOOT
SIM	SIMILAR
TO	TOP OF
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

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 INSTALLATION WITH OWNER'S REPRESENTATIVE 7 DAYS PRIOR TO REQUIRED START-UP.

13. GENERAL CONTRACTOR TO TAG KEYS FOR ALL EQUIPMENT, DOORS, ETC., PRIOR TO STORE TURNOVER.

14. EIFS QUALITY ASSURANCE

   A. MANUFACTURER REQUIREMENTS
      1. MEMBER IN GOOD STANDING OF THE EIFS INDUSTRY MEMBERS
      2. AIR/MOISTURE BARRIER AND EIFS MANUFACTURER FOR A MINIMUM OF THIRTY (30) YEARS
      3. MANUFACTURING FACILITIES ISO 9001:2008 CERTIFIED QUALITY SYSTEM AND ISO 1400:2004 CERTIFIED ENVIRONMENTAL MANAGEMENT SYSTEM.

   B. CONTRACTOR REQUIREMENTS
      1. ENGAGED IN APPLICATION OF SIMILAR SYSTEMS FOR A MINIMUM OF THREE (3) YEARS
      2. KNOWLEDGEABLE IN THE PROPER USE AND HANDLING OF STO MATERIALS
      3. EMPLOY SKILLED MECHANICS WHO ARE EXPERIENCED AND KNOWLEDGEABLE IN AIR/MOISTURE AND EIFS APPLICATION, AND FAMILIAR WITH THE REQUIREMENTS OF THE SPECIFIED WORK.
      4. SUCCESSFUL COMPLETION OF MINIMUM OF THREE (3) PROJECTS OF SIMILAR SIZE AND COMPLEXITY SYSTEM TO THE SPECIFIED PROJECT
      5. PROVIDE THE PROPER EQUIPMENT, MANPOWER, AND SUPERVISION ON THE JOB SITE TO INSTALL THE SYSTEM IN COMPLIANCE WITH STO'S PUBLISHED SPECIFICATION AND DETAILS AND THE PROJECT.

   C. INSULATION BOARD MANUFACTURER REQUIREMENTS
      1. EPS BOARD LISTED BY AN APPROVAL AGENCY.
      2. EPS BOARD MANUFACTURED UNDER STO LICENSING AGREEMENT AND RECOGNIZED BY STO AS BEING CAPABLE OF PRODUCING EPS INSULATION BOARD TO MEET EIFS REQUIREMENTS.
      3. EPS BOARD LABELED WITH INFORMATION REQUIRED BY STO, THE APPROVED LISTING AGENCY, AND THE APPLICABLE BUILDING CODE.

1705.15 EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT	
		Y/N	EXTENT
1. VERIFY MATERIALS, DETAILS AND INSTALLATIONS ARE PER THE APPROVED CONSTRUCTION DOCUMENTS. A. MANDATORY EXCEPT FOR APPLICATIONS INSTALLED OVER MASONRY OR CONCRETE WALLS, OR WHERE WITH MEANS OF DRAINING MOISTURE TO THE EXTERIOR	FIELD INSPECTION	Y	PERIODIC
2. INSPECTION OF WATER-RESISTIVE BARRIER OVER SHEATHING SUBSTRATE A. MANDATORY WHERE WATER-RESISTIVE BARRIER COATING IS INSTALLED OVER SHEATHING SUBSTRATE	FIELD INSPECTION	Y	PERIODIC (PER REQUIREMENTS OF ASTM E2570)

INCORPORATED SPB -

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DESIGN PROFESSIONALS

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PROJECT MANAGER:
CB
CHECKED BY:
JCM
DRAWN BY:
HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

RaceTrac

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21

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.

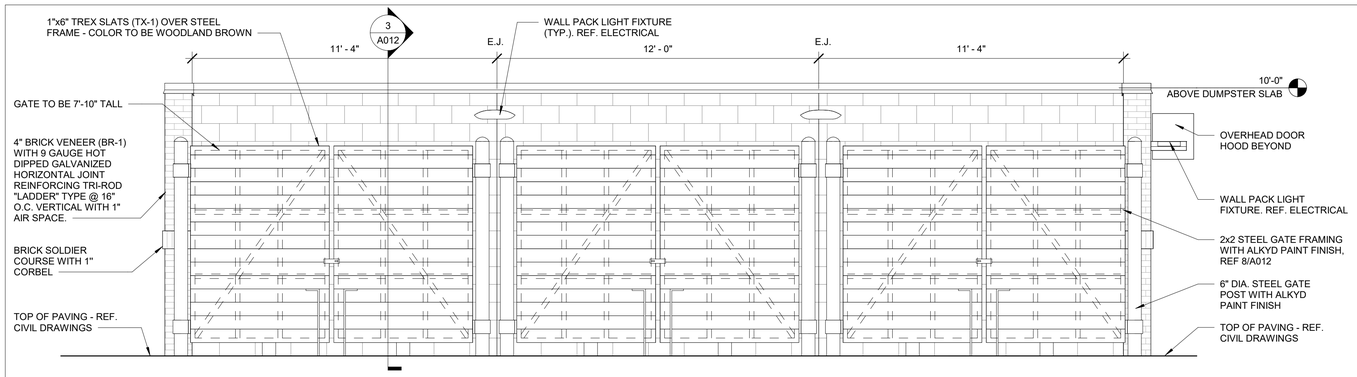
PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA015201
REGISTERED ARCHITECT
05/16/22

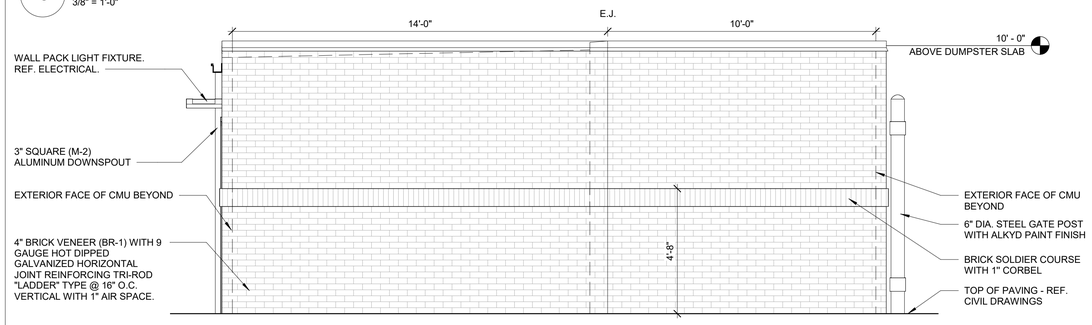
PROJECT NUMBER
63200243

SHEET TITLE
GENERAL REQUIREMENTS

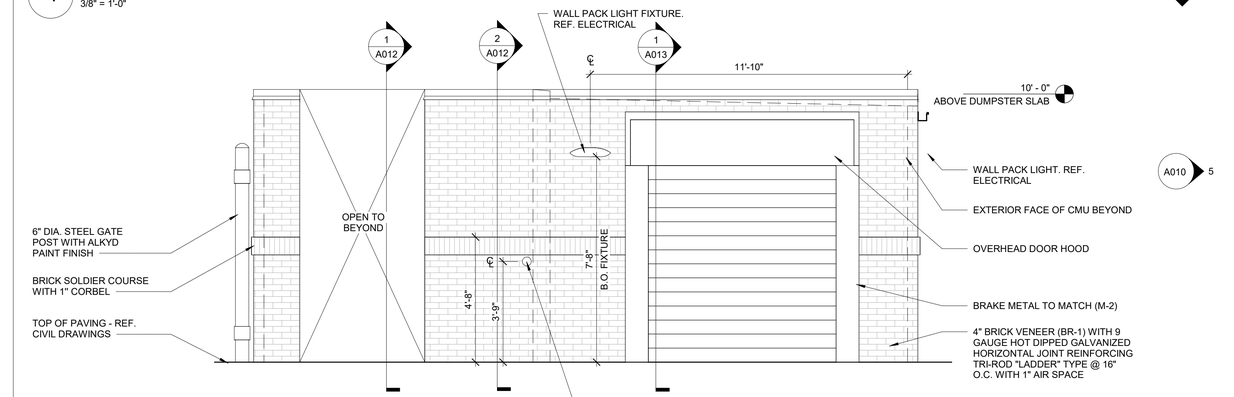
SHEET NUMBER
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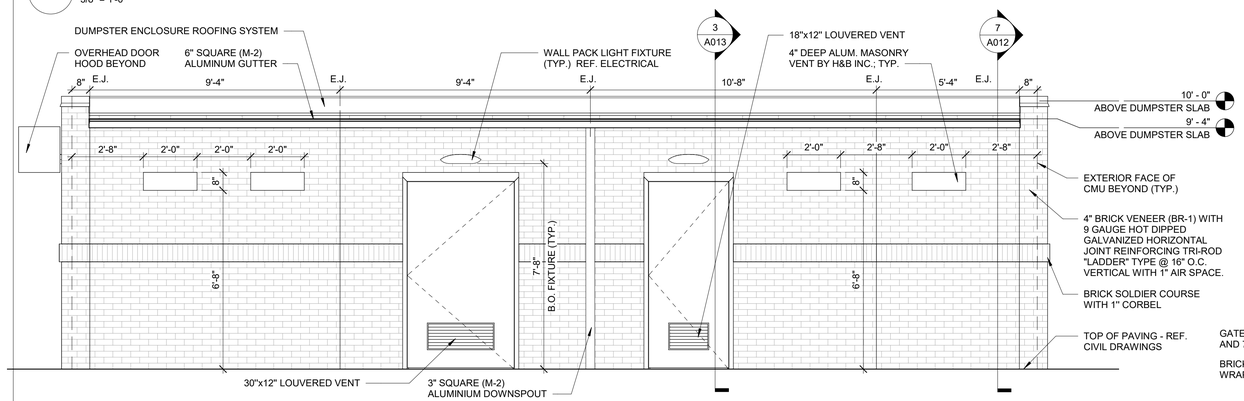
5 DUMPSTER ENCLOSURE FRONT ELEVATION
3/8" = 1'-0"



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

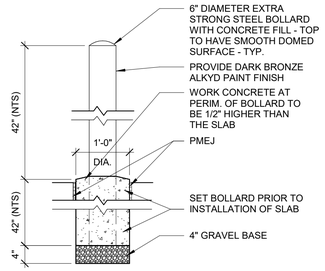


3 DUMPSTER ENCLOSURE SIDE ELEVATION
3/8" = 1'-0"

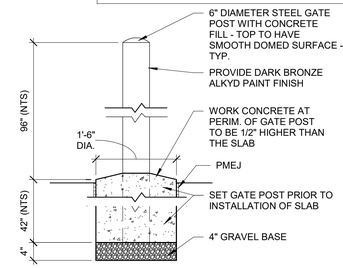


2 DUMPSTER ENCLOSURE REAR ELEVATION
3/8" = 1'-0"

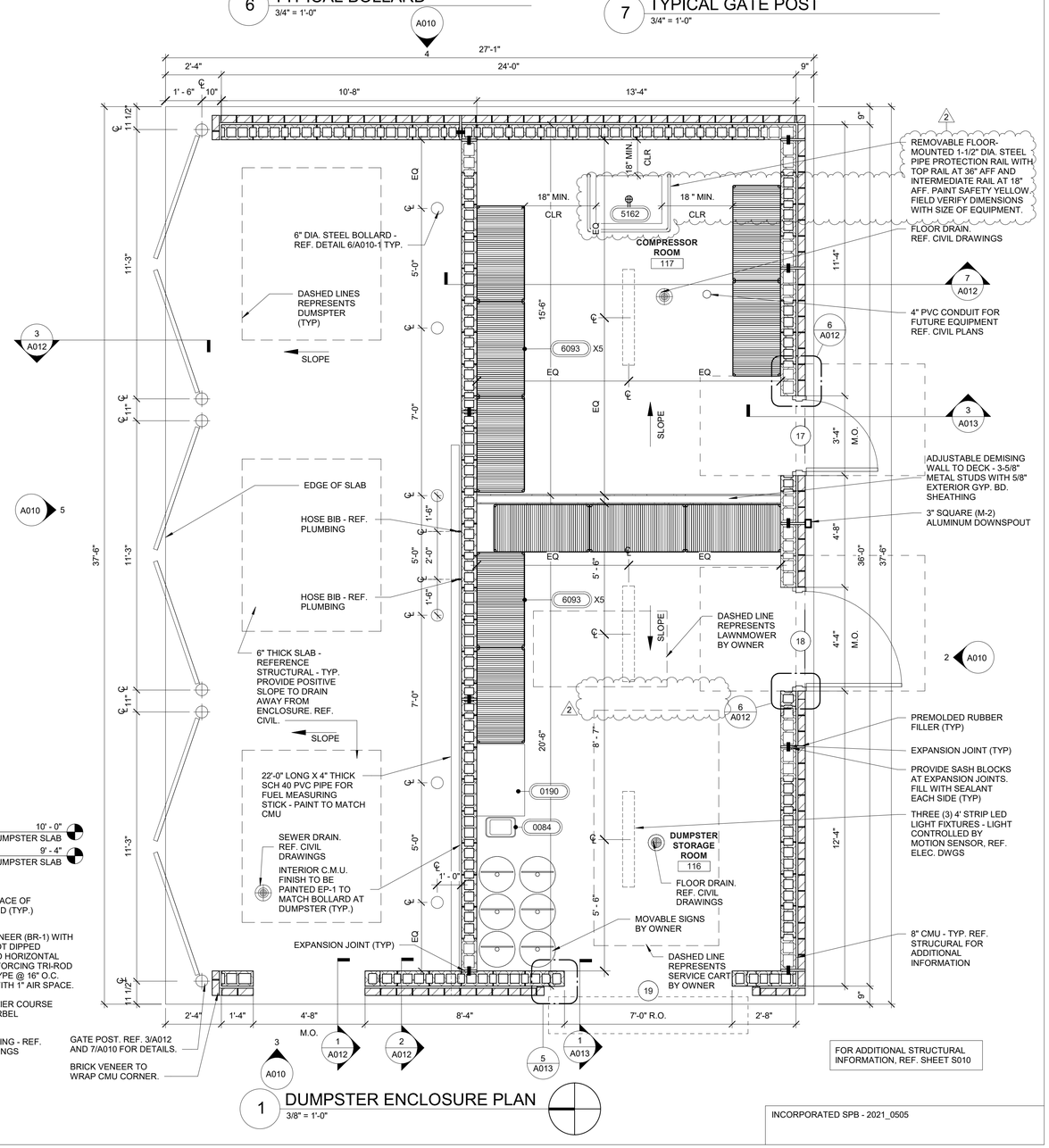
DUMPSTER ENCLOSURE ROOFING SYSTEM:
ENGLERT METAL ROOF SYSTEM SERIES 2500; 1-3/4" HIGH STRUCTURAL SNAP LOCK STANDING SEAM WITH NO BATTEN. PANELS ARE 18" WIDE. 24 GAUGE GALVALUME WITH BAKED ON PERMACOLOR 2000 KYNAR 500 IN SMOOTH FINISH WITH (2) 1/8" HIGH X 1/8" WIDE STYRAN RIBS TO BE SPACED TO DIVIDE INTO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



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



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



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

INCORPORATED SPB - 2021_0505

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PHONE: (913) 262-9095

PROJECT MANAGER:
CB

CHECKED BY:
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DRAWN BY:
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(770) 431-7600

PROJECT NAME

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ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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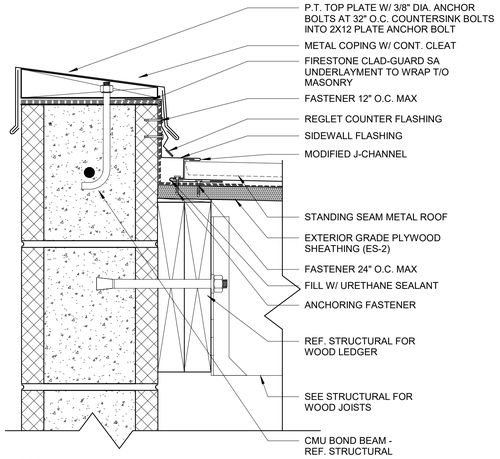
PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA025041
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

SHEET TITLE
DUMPSTER ENCLOSURE PLAN

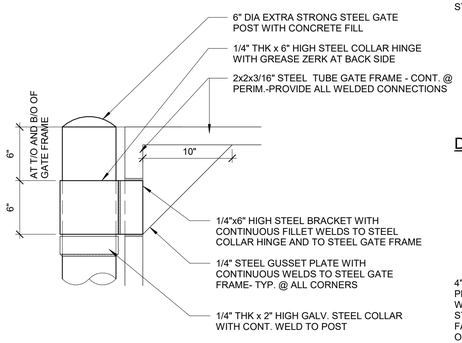
SHEET NUMBER
A010



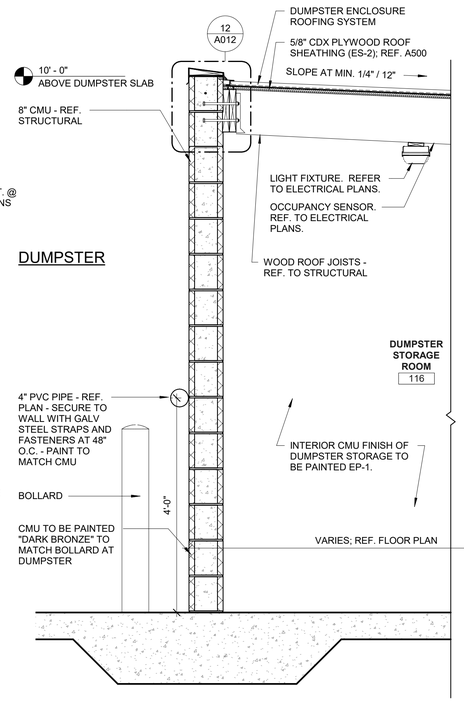
12 SECTION DETAIL - MIDDLE WALL
3" = 1'-0"

GENERAL NOTES:

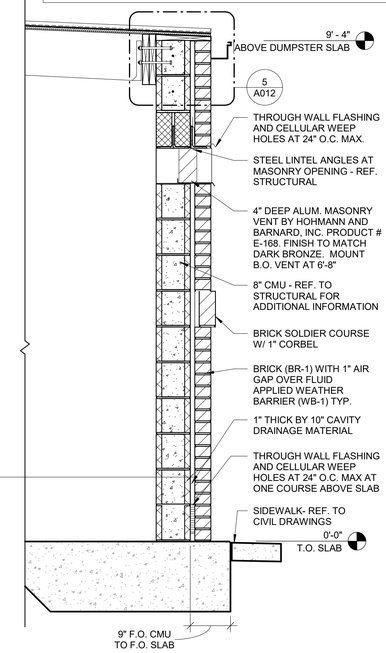
1. PROVIDE ALKYD PAINT FINISH ON ALL STEEL GATE SURFACES AND SUPPORT POSTS
2. ALL STEEL GATE FRAMING TO HAVE WELDED CONNECTIONS.
3. PROVIDE (2) HINGES ON EACH GATE LEAF.
4. PROVIDE GATE HARDWARE BY HOOVER FENCE COMPANY OR APPROVED EQUAL:
   A. CANE BOLTS: 5000-24SP BLACK POWDER COAT FINISH
   B. LATCH: FLIP LATCH NW6169-BK
5. DRILL 3/4" DIA. HOLE, 4" DEEP FOR CANE BOLT KEEPER FOR BOTH CLOSED AND OPEN GATE POSITIONS.



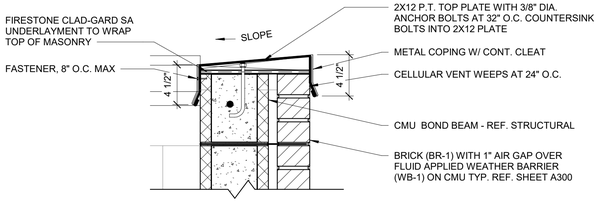
DUMPSTER



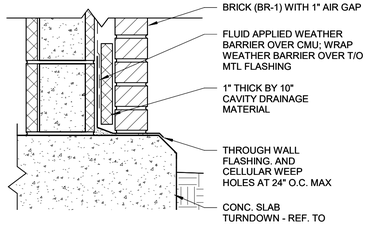
DUMPSTER ENCLOSURE ROOFING SYSTEM:
ENGLERT METAL ROOF SYSTEM SERIES 2500; 1-3/4" HIGH STRUCTURAL SNAP LOCK STANDING SEAM WITH NO BATTEN. PANELS ARE 18" WIDE, 24 GAUGE GALVALUME WITH BAKED ON PERMACOLOR 2000 KYNAR 500 IN SMOOTH FINISH WITH (2) 1/8" HIGH X 1/8" WIDE STYRAN RIBS TO BE SPACED TO DIVIDE INTO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



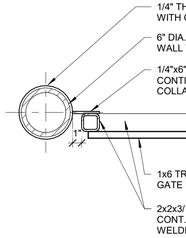
7 SECTION ENCLOSURE REAR WALL
3/4" = 1'-0"



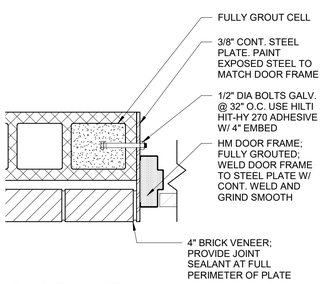
10 HEADWALL DETAIL
1 1/2" = 1'-0"



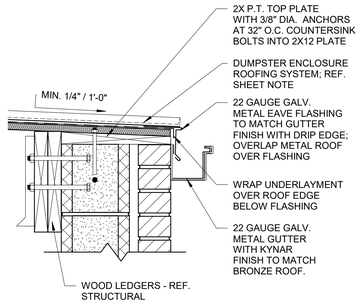
9 FOUNDATION AT DUMPSTER WALL
1 1/2" = 1'-0"



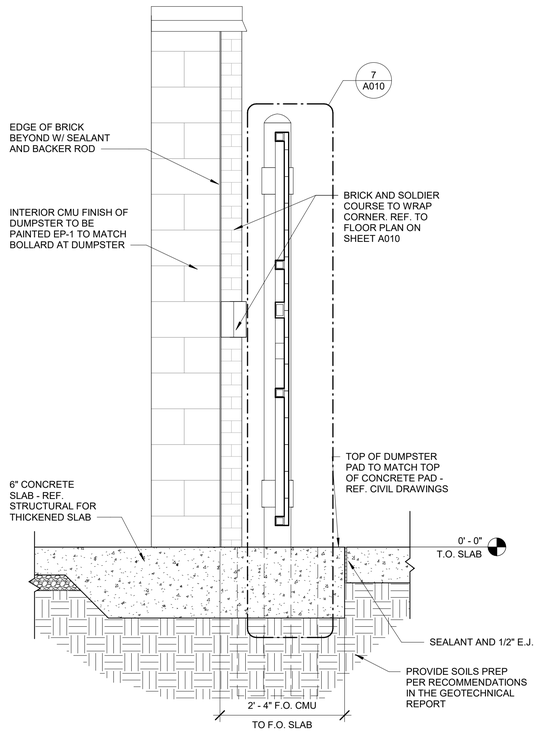
8 GATE POST DETAIL
1 1/2" = 1'-0"



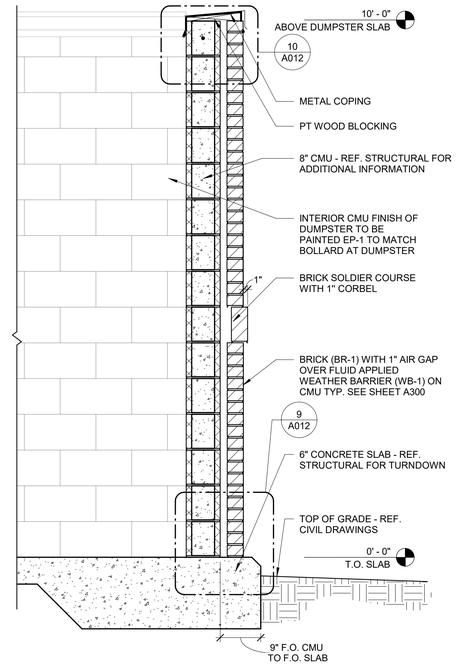
6 DOOR JAMB
1 1/2" = 1'-0"



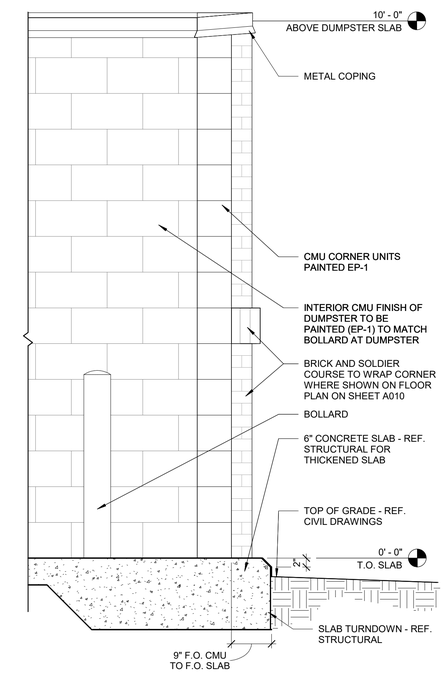
5 SECTION DETAIL - REAR WALL
1 1/2" = 1'-0"



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



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



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

INCORPORATED SPB -

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DESIGN PROFESSIONALS

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PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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



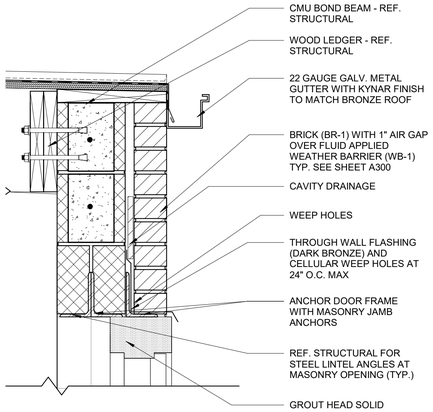
05/16/22

PROJECT NUMBER
63200243

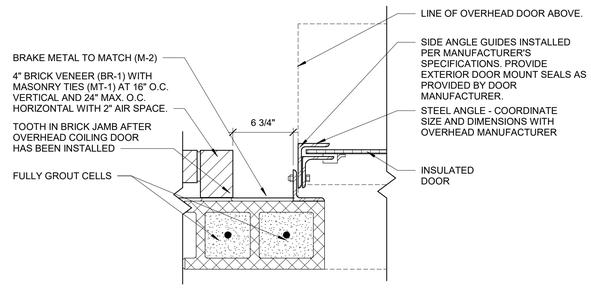
SHEET TITLE
DUMPSTER ENCLOSURE DETAILS

SHEET NUMBER
A012

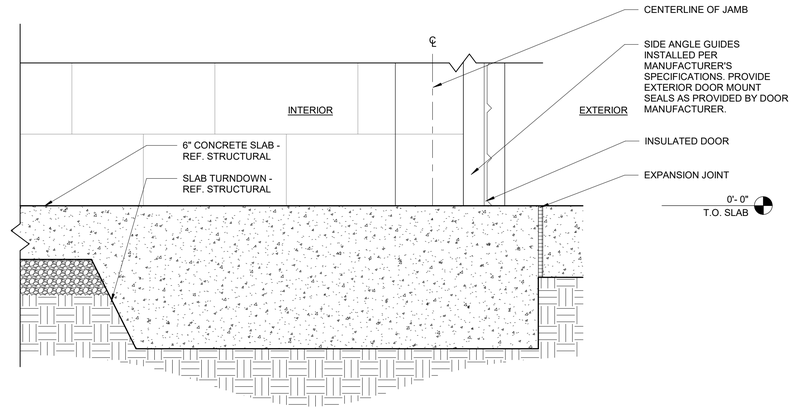
DUMPSTER ENCLOSURE ROOFING SYSTEM:
ENGLERT METAL ROOF SYSTEM SERIES 2500; 1-3/4" HIGH STRUCTURAL SNAP LOCK STANDING SEAM WITH NO BATTEN. PANELS ARE 18" WIDE. 24 GAUGE GALVALUME WITH BAKED ON PERMACOLOR 2000 KYNAR 500 IN SMOOTH FINISH WITH (2) 1/8" HIGH X 1/8" WIDE STYRAN RIBS TO BE SPACED TO DIVIDE INTO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



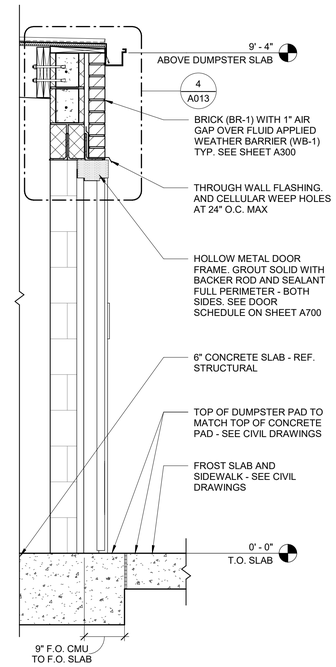
4 SECTION DETAIL - DOOR AT REAR WALL
1 1/2" = 1'-0"



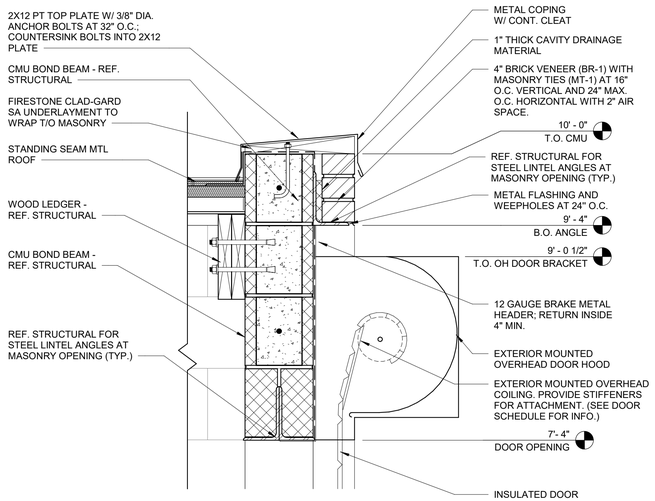
5 JAMB DETAIL - OVERHEAD DOOR
1 1/2" = 1'-0"



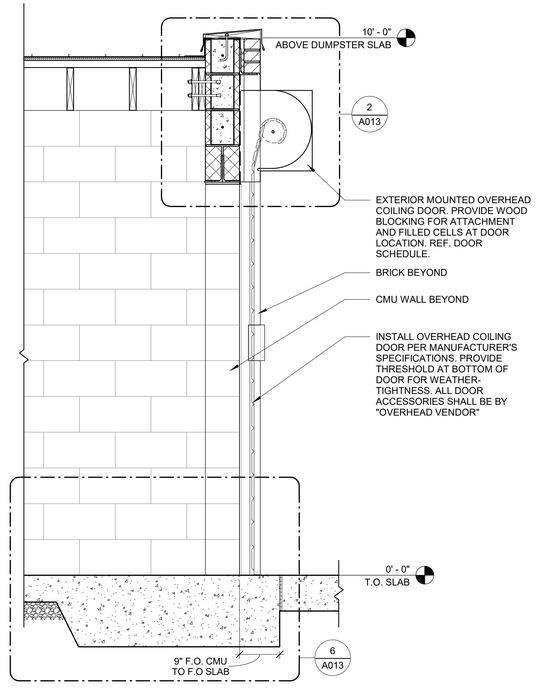
6 SILL DETAIL - OVERHEAD DOOR
1 1/2" = 1'-0"



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



2 SECTION DETAIL - OVERHEAD DOOR AT SIDE WALL
1 1/2" = 1'-0"



1 OVERHEAD DOOR SECTION - SIDE WALL
3/4" = 1'-0"

INCORPORATED SPB - 2021_0505

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(770) 431-7600

PROJECT NAME

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ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
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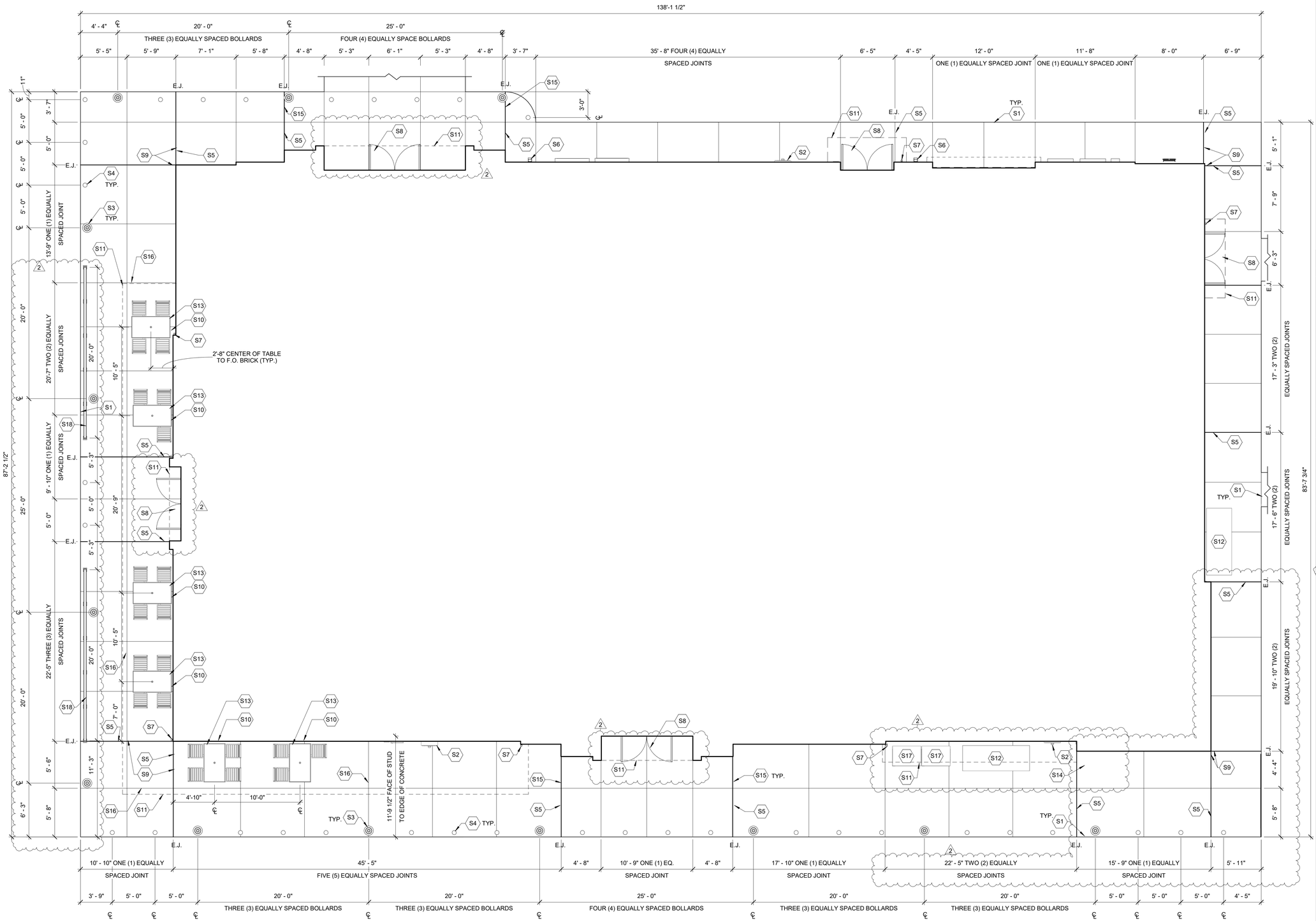
PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA021081
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

SHEET TITLE
DUMPSTER ENCLOSURE DETAILS

SHEET NUMBER
A013



1 EXTERIOR SIDEWALK PLAN
3/16" = 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

S1	EDGE OF SIDEWALK TURNDOWN
S2	EMERGENCY SHUTOFF SWITCH; MOUNT TOP OF SIGN AT 48" ABOVE SIDWALK; REF. DETAIL ON SHEET A101
S3	EXTERIOR LIGHT BOLLARD. REF CIVIL SITE PLAN FOR SPECIFICATIONS. REF ELECTRICAL DRAWINGS FOR CIRCUIT INFORMATION
S4	STEEL BOLLARD. REF DETAIL ON SHEET A101
S5	SIDEWALK EXPANSION JOINT. REF DETAIL ON SHEET A101
S6	5"X5" DOWNSPOUT, TIE TO UNDERGROUND STORM, SEE CIVIL FOR CONTINUATION
S7	4"X4" DOWNSPOUT, TIE TO UNDERGROUND STORM, SEE CIVIL FOR CONTINUATION; REF. DETAIL ON SHEET A101
S8	SLAB TO ALIGN WITH FRONT EDGE OF EXTERIOR SIDWALK. EXTERIOR SIDWALK NOT TO EXCEED SLOPE OF 1:48 IN ANY DIRECTION
S9	ALIGN JOINT WITH 90 DEGREE TURN IN SIDEWALK LAYOUT
S10	CONVENIENCE OUTLET MOUNTED IN WALL. REF ELECTRICAL DRAWINGS
S11	DASHED LINE INDICATES PATIO ROOF/CANOPY ABOVE
S12	OUTDOOR ICE MERCHANDISER
S13	TABLES AND CHAIRS TO BE BOLTED TO SLAB
S14	BIKE RACK. REF CIVIL DRAWINGS FOR EXACT LOCATION
S15	ALIGN JOINT WITH FACE OF PIER IN THIS LOCATION
S16	CONTROL JOINT AT EDGE OF BROOM FINISH AT PATIO
S17	LOCATE PROPANE CAGE 5'-0" AWAY FROM ANY ELECTRICAL OUTLET
S18	STEEL RAILING - REF. 5/A101

SIDEWALK PLAN LEGEND

- E.J. EXPANSION JOINT
- ℄ CENTER LINE
- LIGHT BOLLARD
- STEEL BOLLARD

INCORPORATED SPB - 2021_0501; 2021_0505

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PROJECT NAME

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ELLENWOOD GA, 30294

4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

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PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. 040020
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER 63200243

SHEET TITLE

EXTERIOR SIDEWALK PLAN

SHEET NUMBER

A100

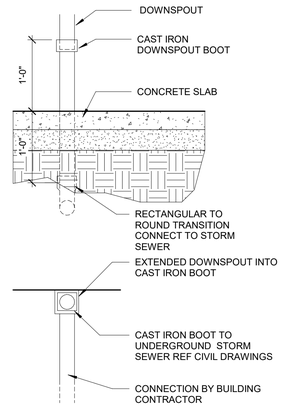
NOTE: STEEL RAILING TO BE DESIGNED BY STEEL FABRICATOR. SUBMIT RAILING SHOP DRAWINGS FOR ARCHITECT'S APPROVAL PRIOR TO FABRICATION.

STEEL FINISH FOR RAILING TO BE POWDER COAT RAL 49/66220 (C34 BRONZE ONE COAT) TO MATCH OUTDOOR SEATING (TYP.)

STAIN WOOD DARK WALNUT TO MATCH OUTDOOR SEATING

6 TYPICAL RAILING BASE PLATE DETAIL
1 1/2" = 1'-0"

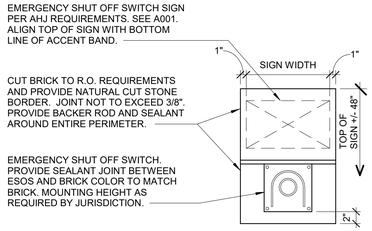
5 TYPICAL RAILING ELEVATION
1" = 1'-0"



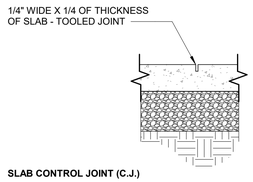
DOWNSPOUT PLAN

REF. CIVIL FOR DRAINAGE PIPE SIZE AND ELEVATION

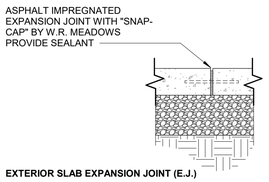
4 DOWNSPOUT BOOT DETAIL
1" = 1'-0"



3 EMERGENCY SHUT OFF
1" = 1'-0"



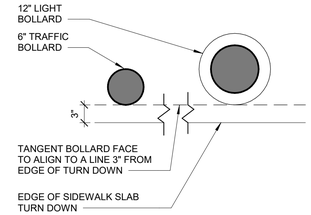
SLAB CONTROL JOINT (C.J.)



EXTERIOR SLAB EXPANSION JOINT (E.J.)

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

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



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

INCORPORATED SPB - 2021_0505

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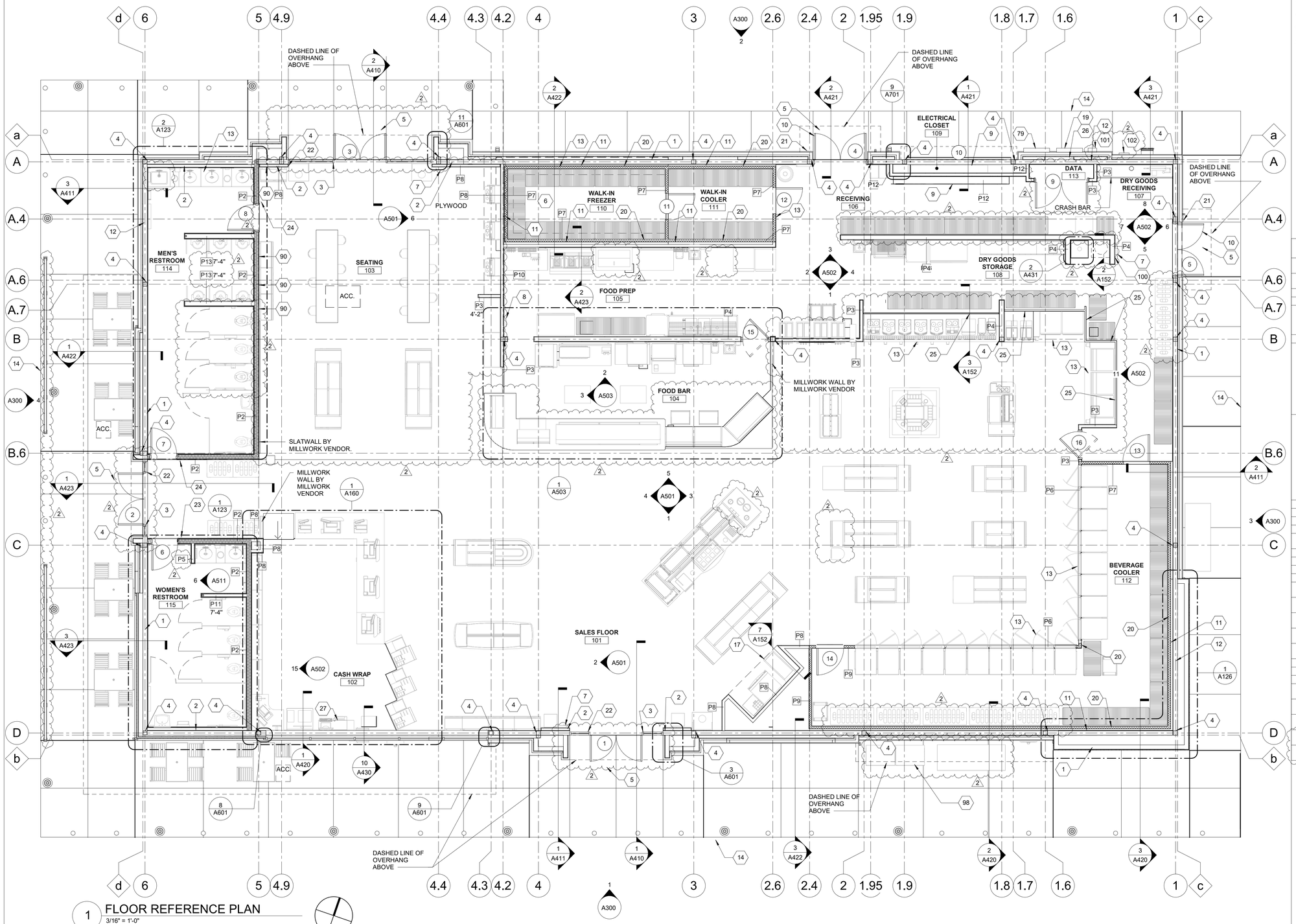


05/16/22

PROJECT NUMBER
63200243

SHEET TITLE
EXTERIOR SIDEWALK PLAN DETAILS

SHEET NUMBER
A101



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 NFPA 10.

SHEET KEYNOTES

1	6" METAL STUD FRAMING WITH MINIMUM R-21 BATT INSULATION
2	6" METAL STUD FRAMING WITH MINIMUM R-21 BATT INSULATION AND 3 5/8" FURRING ON INTERIOR
3	ALUMINIUM STOREFRONT WINDOWS AND DOORS
4	STEEL COLUMN; REF STRUCTURAL
5	CONCRETE SIDEWALKS AT ALL EXTERIOR DOORS TO BE FLUSH WITH TOP OF INTERIOR SLAB. LANDING AREAS SHALL BE AT LEAST 5'-0" X 5'0". SLOPE NOT TO EXCEED 1:48 IN ANY/ALL DIRECTIONS
6	INSULATED FLOOR SLAB AT FREEZER
7	FIRE EXTINGUISHER CABINET (F.E.C.). SEE EQUIPMENT PLAN FOR LOCATION. CLASS ABC FIRE EXTINGUISHER TO BE INSTALLED IN ACCORDANCE WITH NFPA REQUIREMENTS WITH TRAVEL DISTANCE TO EXTINGUISHER NOT EXCEEDING 75 FEET MEASURED AROUND ALL OBSTRUCTIONS TO THE MOST REMOTE PORTION OF A ROOM OR AREA. TOP OF EXTINGUISHER SHALL NOT BE MORE THAN 5'-0" ABOVE FINISH FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4" ABOVE THE FINISH FLOOR.
8	FIRE EXTINGUISHER CABINET (F.E.C.). SEE EQUIPMENT PLAN FOR LOCATION. CLASS K FIRE EXTINGUISHER TO BE PROVIDED FOR HAZARDS WHERE THERE IS POTENTIAL FOR FIRES INVOLVING COMBUSTIBLE COOKING MEDIA. EXTINGUISHER TO BE INSTALLED IN ACCORDANCE WITH NFPA REQUIREMENTS WITH TRAVEL DISTANCE TO EXTINGUISHER NOT EXCEEDING 75 FEET MEASURED AROUND ALL OBSTRUCTIONS TO THE MOST REMOTE PORTION OF A ROOM OR AREA. TOP OF EXTINGUISHER SHALL NOT BE MORE THAN 5'-0" ABOVE FINISH FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4" ABOVE THE FINISH FLOOR.
9	ELECTRIC PANELS
10	HOLLOW METAL DOOR AND FRAME
11	2" MINIMUM AIR GAP AT REFRIGERATION WALLS
12	CROSS BRIDGING; REF STRUCTURAL
13	MILLWORK AND REFRIGERATION EQUIPMENT BY RT. REF EQUIPMENT PLAN FOR MORE INFORMATION
14	LIMITS OF BUILDING SIDEWALK
17	ATM FLAG SIGN; REF INTERIOR ELEVATIONS
19	GENERATOR TAP BOX; REF ELECTRICAL FOR LOCATION
20	COOLER/FREEZER WALL PANEL BY OTHERS
21	INTERCOM CALL STATION RECESSED INTO EXTERIOR FINISH; REF ELECTRICAL FOR MORE INFORMATION
22	EXIT SIGN BY OWNER; COMPLY WITH ADA REQUIREMENTS
23	WOMEN RESTROOM SIGN BY OWNER; COMPLY WITH ADA REQUIREMENTS
24	MEN RESTROOM SIGN BY OWNER; COMPLY WITH ADA REQUIREMENTS
25	MILLWORK WALL BY MILLWORK VENDOR. INSTALL 1/4" GYPSUM WALL BOARD ON TOP OF MILLWORK WALL
26	LOCATION OF ELECTRICAL SERVICE C/T AND METER
27	PLATFORM ACCESS PANEL
79	ELECTRICAL C/T AND METER
90	PROVIDE BLOCKING FOR COMMERCIAL DISPLAYS PER MANUFACTURER RECOMMENDATIONS
98	LOCATE PROPANE CAGE 5' AWAY FROM ANY ELECTRICAL OUTLET
100	PROVIDE HONEYWELL CG512A1009 LARGE THERMOSTAT GUARD FOR EACH THERMOSTAT
101	IRRIGATION CONTROLLER. REF. ELECTRICAL. MOUNT AT 48" ABOVE SIDEWALK TO BOTTOM.
102	OIL/WATER SEPARATOR ALARM. REF. ELECTRICAL. MOUNT AT 48" ABOVE SIDEWALK TO TOP.

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0505; 2021_0506; 2021_0507

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PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA015201
REGISTERED ARCHITECT

05/16/22

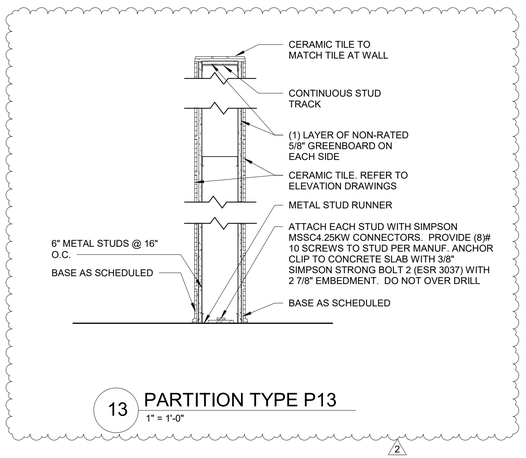
PROJECT NUMBER 63200243

SHEET TITLE

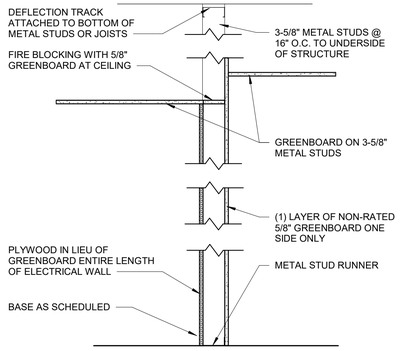
FLOOR REFERENCE PLAN

SHEET NUMBER

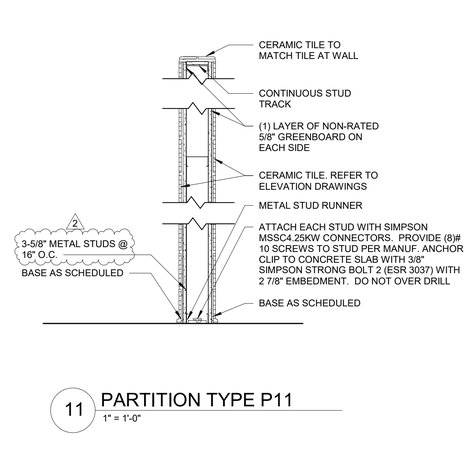
A110



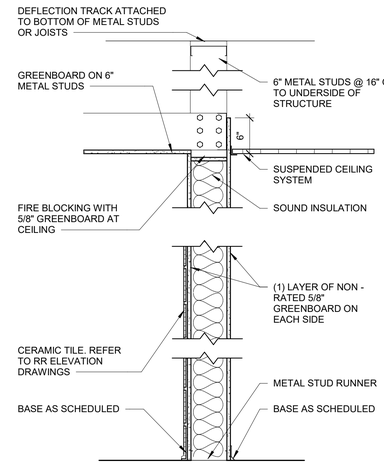
13 PARTITION TYPE P13
1" = 1'-0"



12 PARTITION TYPE P12
1" = 1'-0"



11 PARTITION TYPE P11
1" = 1'-0"



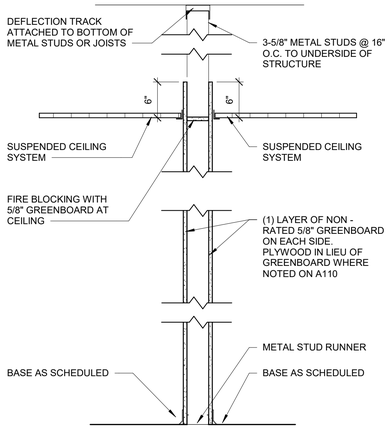
10 PARTITION TYPE P2
1" = 1'-0"

GENERAL NOTES

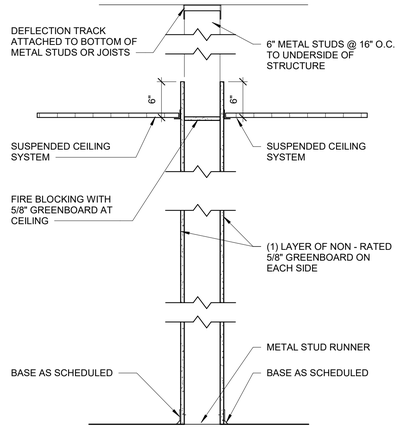
1. DO NOT SCALE PLANS.
2. ALL PARTITIONS ARE TO BE ATTACHED TO DEFLECTION TRACK AT THE BOTTOM CHORD OF THE ROOF JOIST OR METAL STUDS. NO PARTITIONS SHALL BE ANCHORED TO THE METAL ROOF DECK.
3. SEE SHEETS A500, A501 AND A502 FOR FINISHES.
4. SEE SHEET A150 FOR CEILING HEIGHTS AND MATERIAL.
5. USE 5/8" 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.

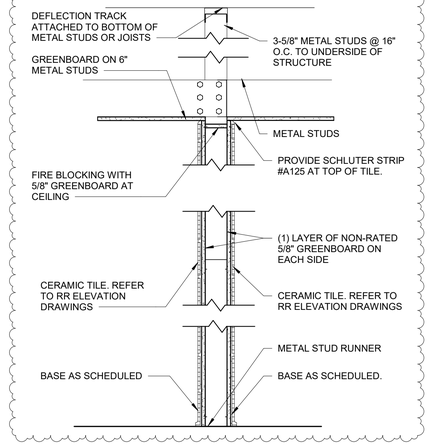
NOTE: WHERE LIGHT GAUGE METAL FRAMING IS SHOWN IN THE ARCHITECTURAL DRAWINGS, PER"SHOP DRAWING NOTE" #1 AND #5 ON SHEET S000, ALL LIGHT GAUGE METAL FRAMING SIZES, BRIDGING, LATERAL BRACING, AND ALL CONNECTIONS ASSOCIATED WITH LIGHT GAUGE METAL FRAMING ARE TO BE DESIGNED BY A CONTRACTOR FURNISHED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.



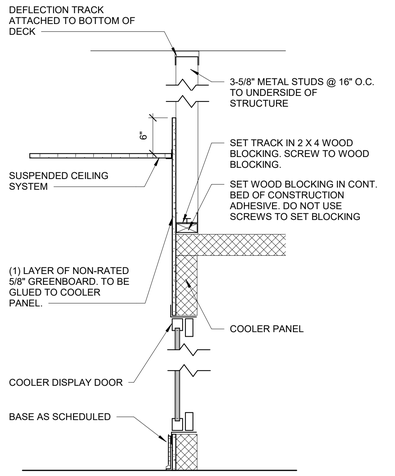
9 PARTITION TYPE P3
1" = 1'-0"



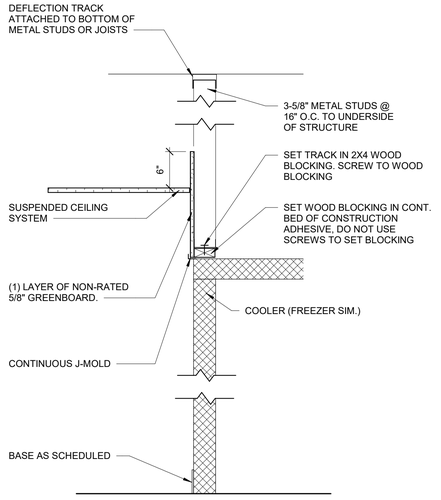
8 PARTITION TYPE P4
1" = 1'-0"



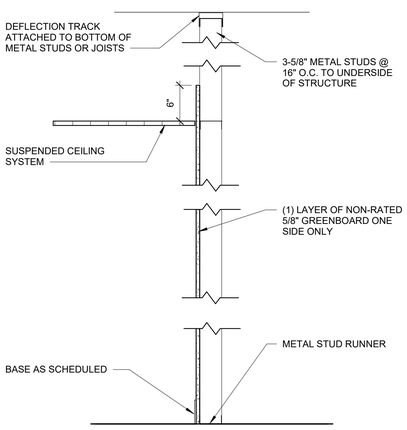
7 PARTITION TYPE P5
1" = 1'-0"



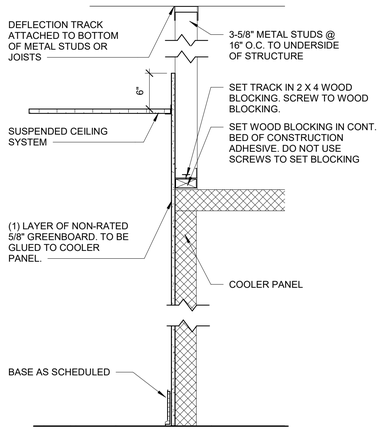
6 PARTITION TYPE P6
1" = 1'-0"



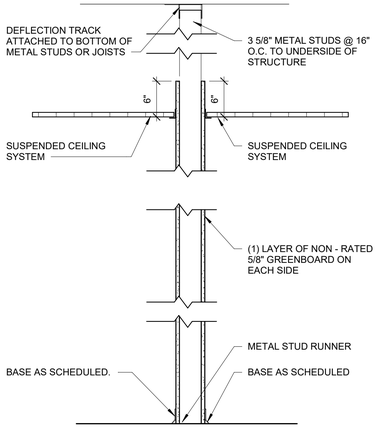
5 PARTITION TYPE P7
1" = 1'-0"



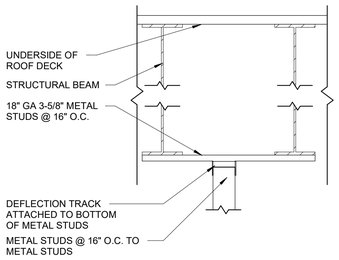
4 PARTITION TYPE P8
1" = 1'-0"

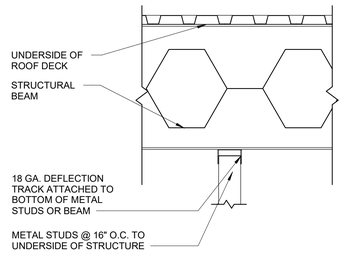


3 PARTITION TYPE P9
1" = 1'-0"



2 PARTITION TYPE P10
1" = 1'-0"





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

INCORPORATED SPB - 2021_0504

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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.

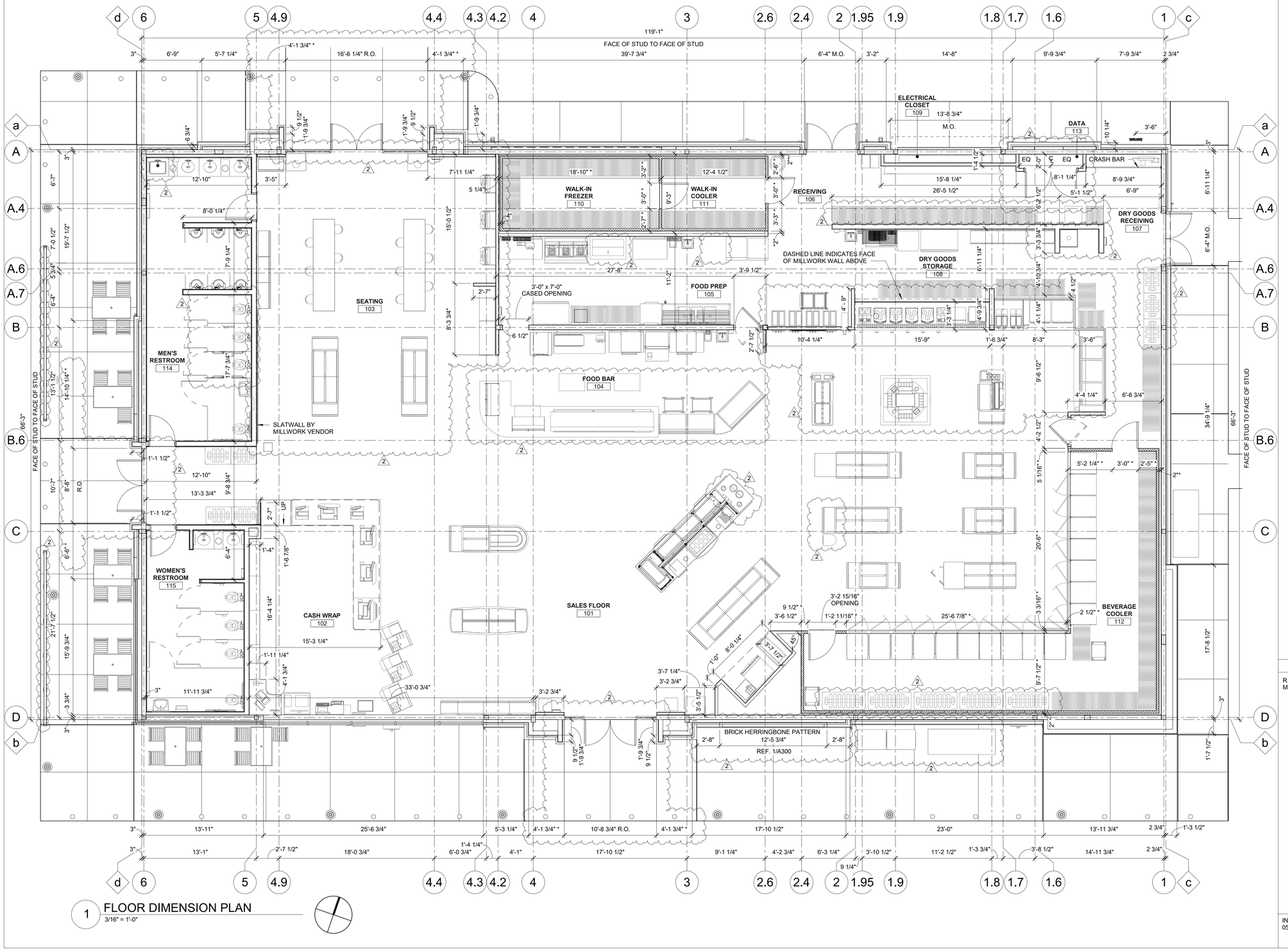
PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA025051
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

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
M.O. MASONRY OPENING

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0505;

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DESIGN PROFESSIONALS

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JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB
CHECKED BY: JCM
DRAWN BY: HE

ISSUE/REVISION RECORD

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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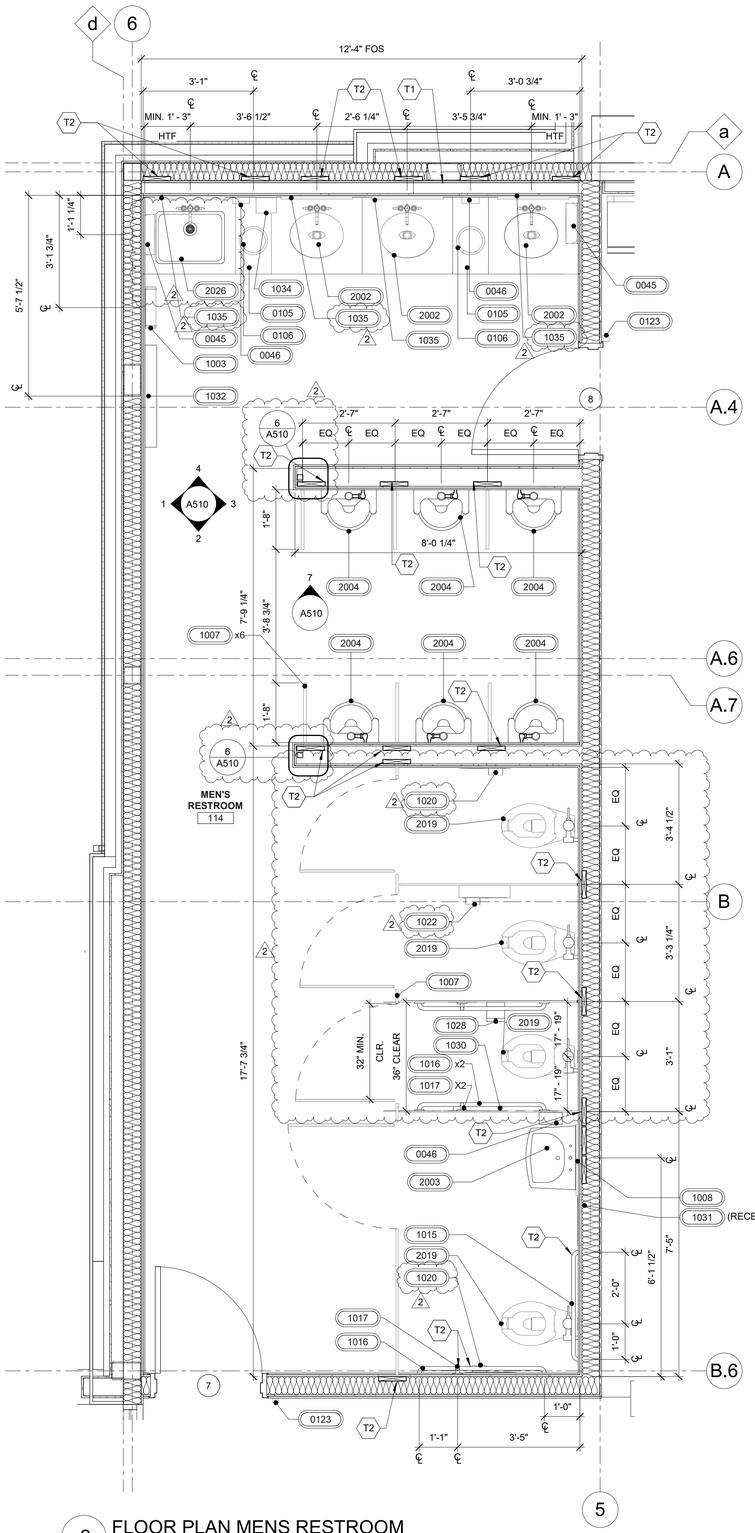
PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA024291
REGISTERED ARCHITECT
05/16/22

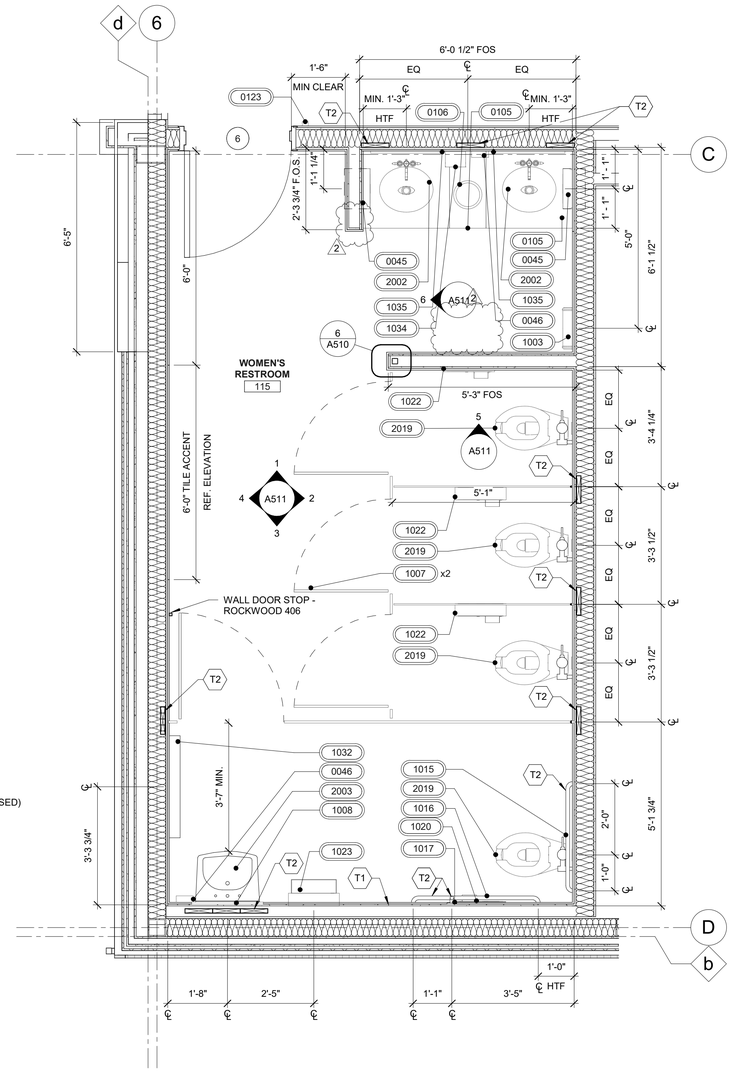
PROJECT NUMBER
63200243

SHEET TITLE
FLOOR DIMENSION PLAN

SHEET NUMBER
A120



2 FLOOR PLAN MENS RESTROOM
1/2" = 1'-0"



1 FLOOR PLAN WOMENS 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 ON SHEET A141. FOR PLUMBING FIXTURES, SEE EQUIPMENT SCHEDULE 2000 SERIES.
6. INSTALLED 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 7/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

T1	WALL WITH 6" PERIMETER STUDS AND 3 5/8" METAL FURRING TO ACCOMMODATE RESTROOM ACCESSORIES AND FIXTURES
T2	PROVIDE 2X10 BLOCKING FOR GRAB BARS, ADA SINK, PARTITIONS, AND MILLWORK. INSTALL FIXTURE PER MANUFACTURER RECOMMENDATIONS.

ENLARGED RESTROOM PLAN LEGEND

HTF HOLD TO FINISH
FOS FACE OF STUD

INCORPORATED SPB - 2021_0502; 2021_0503; 2021_0504

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB
CHECKED BY: JCM
DRAWN BY: HE

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12/03/20	PERMIT SET
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05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21

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.

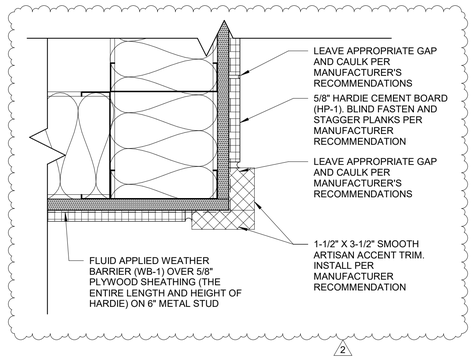
PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA031071
REGISTERED ARCHITECT
05/16/22

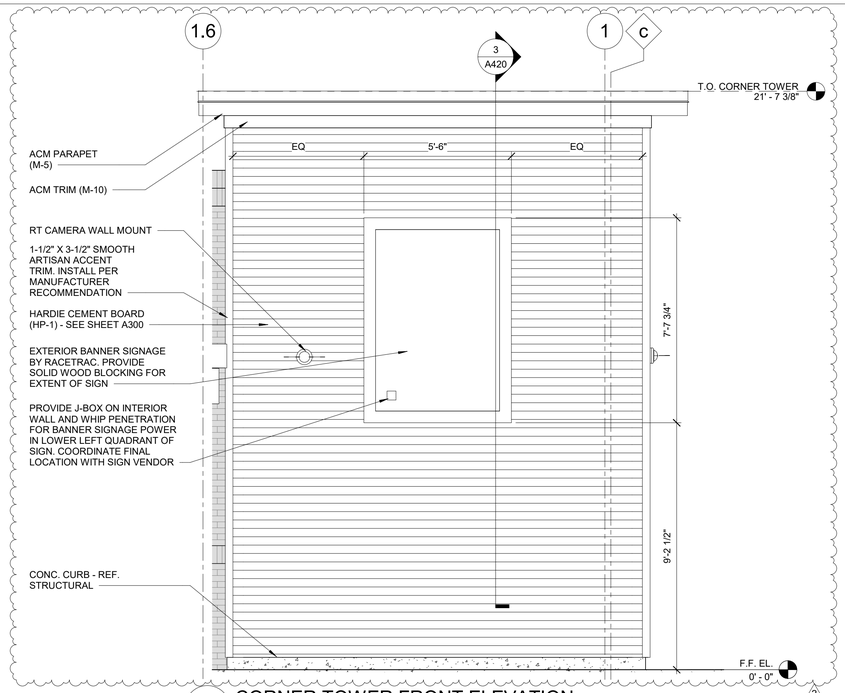
PROJECT NUMBER
63200243

SHEET TITLE
RESTROOM ENLARGED PLAN

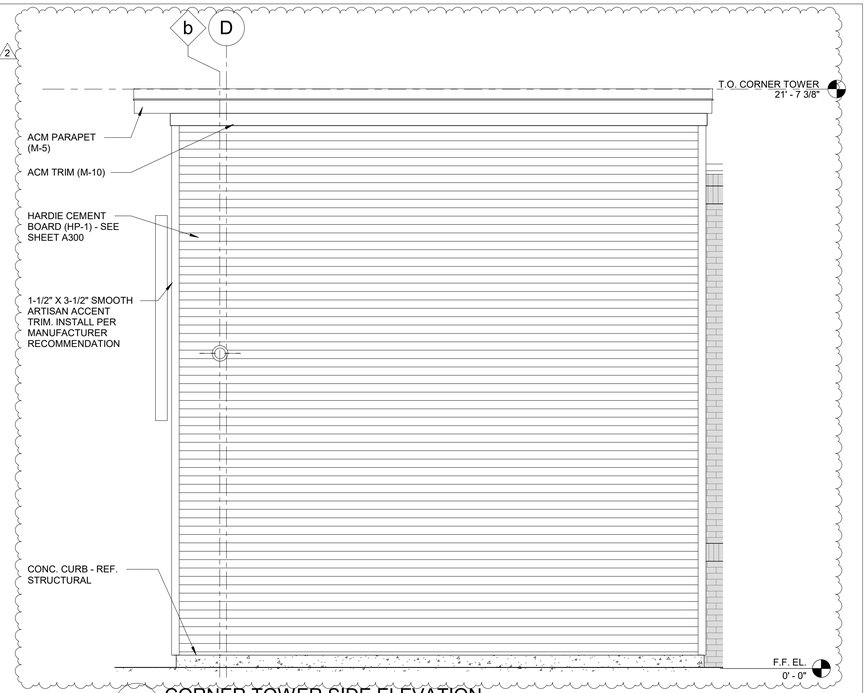
SHEET NUMBER
A123



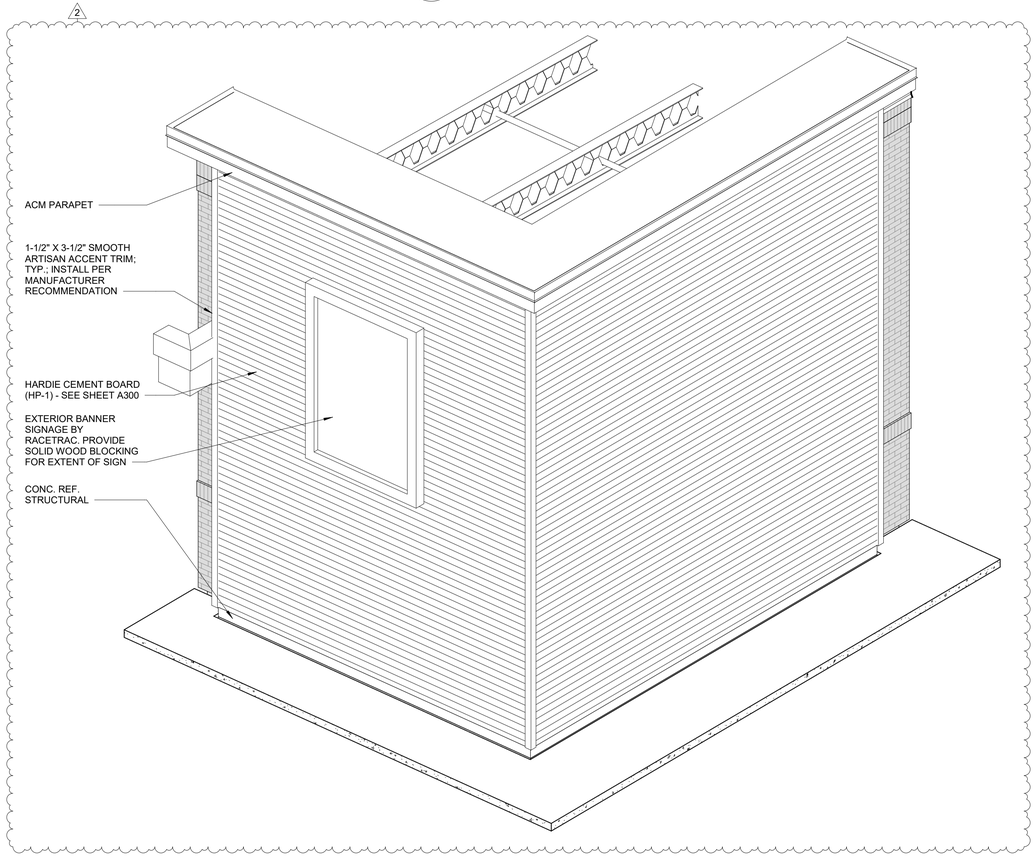
5 CORNER TOWER CORNER DETAIL
3" = 1'-0"



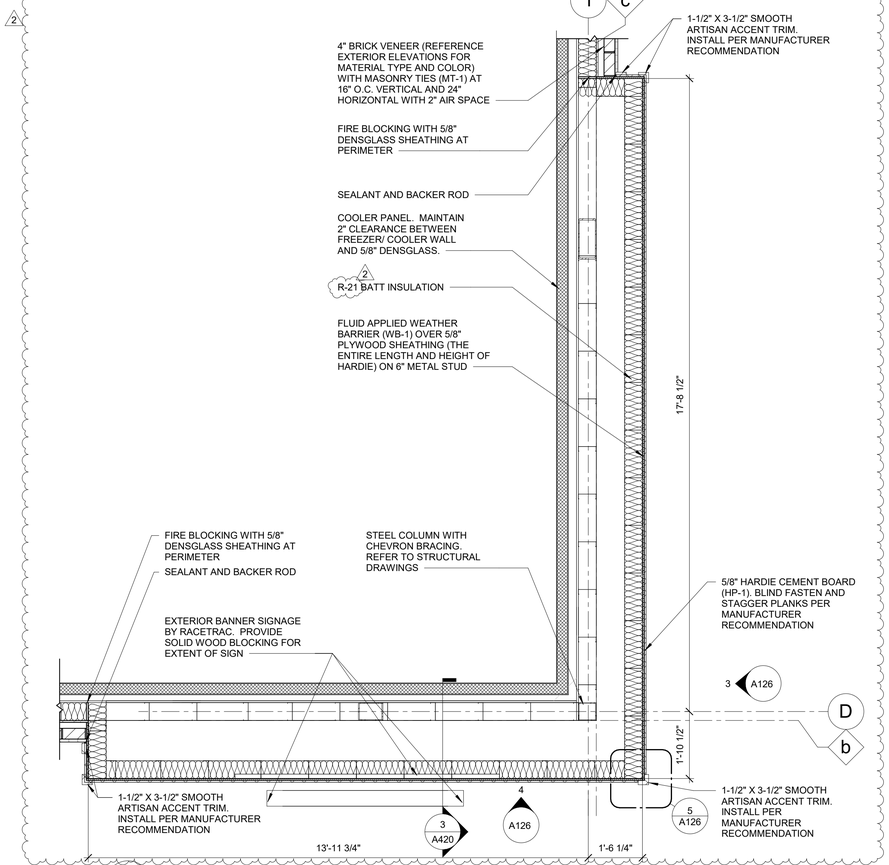
4 CORNER TOWER FRONT ELEVATION
3/8" = 1'-0"



3 CORNER TOWER SIDE ELEVATION
3/8" = 1'-0"



2 CORNER TOWER AXONOMETRIC



1 CORNER TOWER ENLARGED PLAN
1/2" = 1'-0"

INCORPORATED SPB - 2021_0505

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PHONE: (913) 262-9095

PROJECT MANAGER:
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CHECKED BY:
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ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE

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PROFESSIONAL SEAL



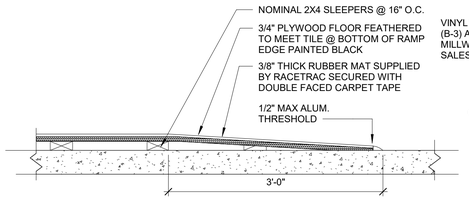
05/16/22

PROJECT NUMBER
63200243

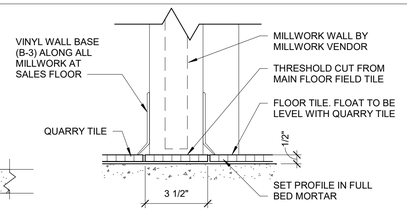
SHEET TITLE
CORNER TOWER PLAN AND DETAILS

SHEET NUMBER

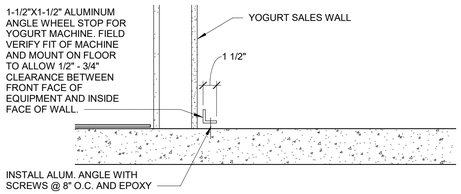
A126



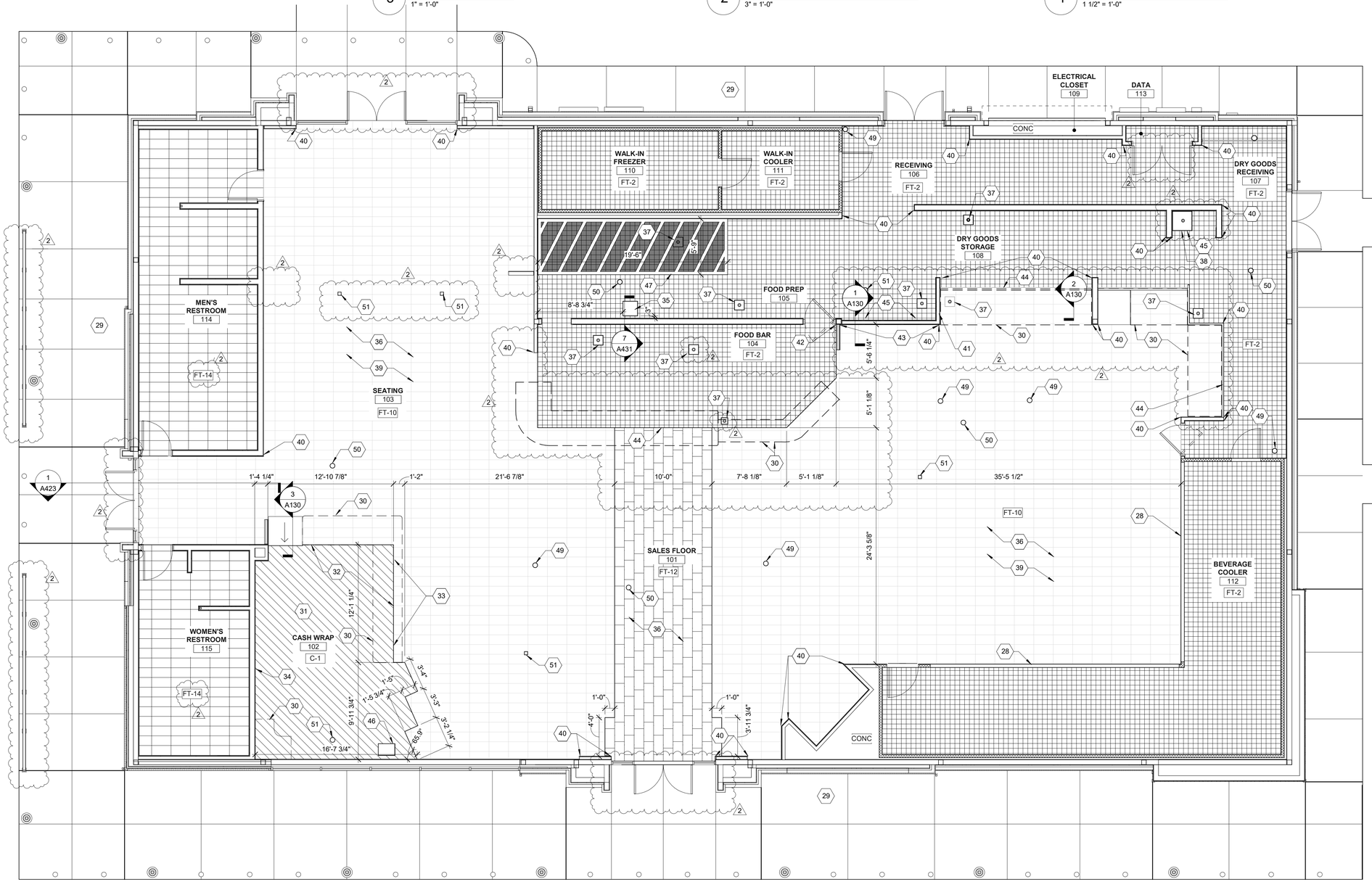
3 RAMP DETAIL
1" = 1'-0"



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



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



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

GENERAL NOTES

1. EXPOSED EDGES OF TILE TO BE BULLNOSE.
2. ALL INTERIOR FINISHES SHALL BE A MINIMUM OF CLASS A OR B MAX. FLAME SPREAD 25-75. MAX SMOKE DEVELOPED 0-450.
3. 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.
4. 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.
5. SEE COVER SHEET FOR TILE PURCHASING REQUIREMENTS.

SHEET KEYNOTES

28	FLOOR FINISH TO EXTEND TO FACE OF MILLWORK AND REFRIGERATION EQUIPMENT
29	CONCRETE SIDEWALK WITH LIGHT BROOM FINISH (A100)
30	LINE OF MILLWORK; PROVIDE VINYL WALL BASE (B-3) AT ALL MILLWORK AT SALES FLOOR
31	CONSTRUCT WOOD PLATFORM AFTER COUNTER IS INSTALLED
32	SALES FLOOR FINISH NOT TO EXTEND UNDER PLATFORM
33	PROVIDE ACCESS IN WOOD PLATFORM FOR ELECTRICAL CONDUIT FROM FLOOR JUNCTION BOXES TO POINT OF TERMINATION IN SALES COUNTER
34	WALL COVERING BY MILLWORK VENDOR
35	REFRIGERATION PIPING PIT; REF A431; REF STRUCTURAL FOR REQUIREMENTS
36	PROVIDE COVE BASE AT SALES FLOOR UNLESS OTHERWISE NOTED
37	FLOOR SINK; SLOPE FLOOR TOWARD DRAIN WHERE DRAIN OCCURS AT FLOOR TILE; REF PLUMBING FOR EXACT LOCATION
38	RECESSED MOP SINK; FLOOR FINISH TO MATCH SURROUNDING TILE; REF A431 FOR DETAILS
39	LAY TILE IN STRAIGHT STACKED PATTERN
40	CORNER GUARD; WALLGUARD DEFENDER SERIES 2340 - 8'-0" HEIGHT AND 1" UNDRILLED WITH ADHESIVE.
41	WALL COVERING; REF INTERIOR ELEVATIONS
42	WHITE SUBWAY TILE TO EXTEND LENGTH OF WALL
43	WHITE LARGE FORMAT TILE TO EXTEND LENGTH OF WALL
44	FLOOR TRANSITION
45	ALUMINIUM ANGLE WHEELSTOP AT YOGURT MACHINE AND MOP SINK; REF DETAIL
46	FLOOR SAFE PIT
47	PAINTED STRIPING LAYOUT OVER TILE BY GC; CLEAN, DEGREASE, AND PREP TILE SURFACE WITH GRINDER PRIOR TO APPLYING PAINT PRODUCT; GRIND SURFACE AREA OF PAINTED AREA ALONG WITH THE DEEPER LINES ALONG THE EDGES; ALLOW FOR MIN. 48HR CURING TIME; PAINT: SW B62RZ38 TC HS EPXY 4081 SAFETY RED (617-1011); TILE PREP: SW B60VZ70 TILE CLAD HARDENER (630-4174); GROUT SEALER: STONETECH HEAVY DUTY SEALER - DS 279.0-0516; FOLLOW ALL MANUFACTURER'S INSTRUCTIONS
49	HUB DRAIN; REF PLUMBING PLANS FOR LOCATION
50	FLOOR CLEAN OUT; REF PLUMBING PLANS FOR LOCATION
51	FLOOR BOXES; REF ELECTRICAL PLANS FOR LOCATION

FLOOR FINISH LEGEND

FT-2	CONCRETE FLOOR W/ DALTILE 6"X6" QUARRY TILE. INSTALLED AT 90 DEGREES W/ 3/8" SPACING.
FT-10	PORCELAIN TILE: DALTILE VOLUME 1 - ACCENT BROWN, 12"x24", LAY TILE IN STRAIGHT STACKED PATTERN.
FT-12	PORCELAIN TILE: DALTILE VOLUME 1 - INTENSITY PEBBLE, 12"x24". LAY TILE AS SHOWN ON PLAN.
FT-14	PORCELAIN TILE: DALTILE VOLUME 1 - AMPLIFY BLACK, 12"x24". 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 3/A130 FOR CASH WRAP FLOOR.

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

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0505

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294

4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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



05/16/22

PROJECT NUMBER

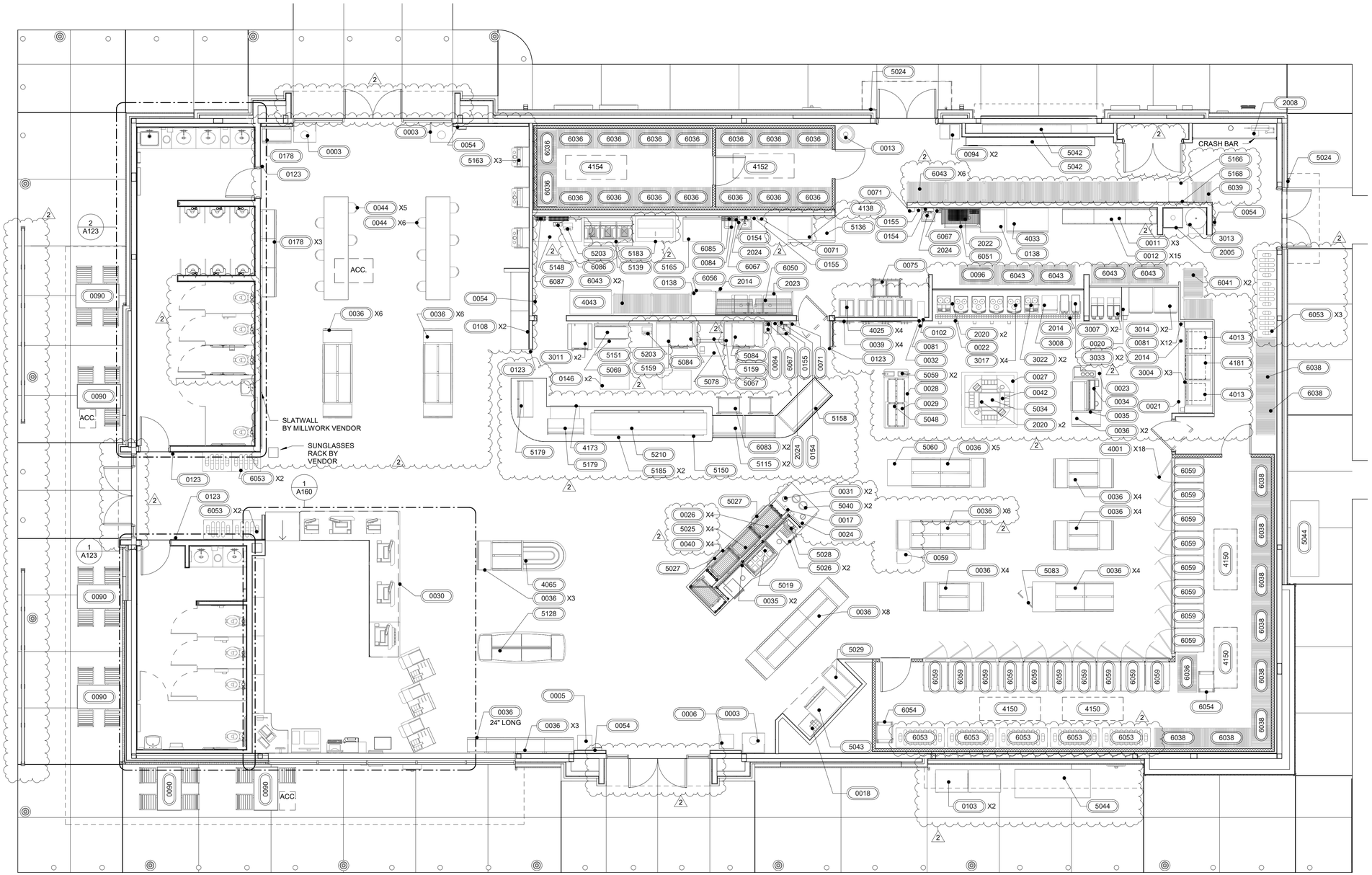
63200243

SHEET TITLE

FLOOR FINISH PLAN

SHEET NUMBER

A130



1 FLOOR FIXTURE AND EQUIPMENT PLAN
3/16" = 1'-0"

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200 GALLERIA PARKWAY SOUTHEAST
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ATLANTA, GEORGIA 30339
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ELLENWOOD
GA, 30294
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PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA024287
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

SHEET TITLE

FLOOR FIXTURE AND EQUIPMENT PLAN

SHEET NUMBER

A140

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0505; 2021_0506

EQUIPMENT SCHEDULE

ITEM NO.	RISER TAG	QTY.	DESCRIPTION	FURN BY	INST BY	MANUFACTURER	MODEL	ARCHITECTURAL REMARKS
0000 SERIES – GENERAL EQUIPMENT AND MILLWORK								
0003	-	3	TRASH CAN W/ DOLLY	RT*	RT*	ULINE	S-13527GR	*(3) MILLWORKER PROVIDED AND INSTALLED
0005	-	1,2	SHOPPING BASKETS	RT	GC	-	-	-
0006	-	1	NEWSPAPER RACK	RT	GC	MOBILE MERCHANDISERS	DN1753R-S	-
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	-
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	-
0022	-	1	COFFEE POUR BAR	RT	VENDOR	MILLWORK	FAB	-
0023	-	1	FOUNTAIN PREP COUNTER	RT	VENDOR	MILLWORK	FAB	-
0024	-	1	BOILED PEANUTS COUNTER	RT	VENDOR	MILLWORK	FAB	-
0026	-	4,2	ROLLER GRILL SNEEZE GUARD	RT	VENDOR	MILLWORK	FAB	-
0027	-	1	ROUND COFFEE PREP BAR	RT	VENDOR	MILLWORK	FAB	-
0028	-	1	YOGURT TOPPING BAR	RT	VENDOR	MILLWORK	FAB	-
0029	-	1	YOGURT BAR SNEEZE GUARD	RT	VENDOR	MILLWORK	FAB	-
0030		1	CASH WRAP	RT	VENDOR	WINDSOR FIXTURES	FAB	
0031	-	2	CUP DISPENSER	RT	VENDOR	SAN JAMAR	C2410	-
0032	-	1	SAMPLE CUP DISPENSER	RT	VENDOR	SAN JAMAR	C2010	-
0034	-	1	LID STRAW RACKS	RT	GC	-	-	-
0035	-	2	CONDIMENT RACK	RT	GC	PAK-IT	CUSTOM	-
0036		56,2	FLOOR GONDOLA AND SHELVING	RT	GC	ROYSTON	CUSTOM	
0038	-	3	STANDS FOR FOUNTAIN EQUIPMENT	RT	GC	RITEMADE	CUSTOM	-
0039	-	4,2	YOGURT FACE FRAMES	RT	GC	RITEMADE	CUSTOM	-
0040	-	4,2	ROLLER GRILL FRAME	RT	GC	RITEMADE	CUSTOM	-
0042	-	1	COFFEE CONDIMENT RACK	RT	GC	-	-	-
0044	-	11,2	SEATING AREA SEATS	RT	GC	CHARTER HOUSE	TBD	-
0045	-	4	TOWEL DISPENSER (MOTION ACTIVATED)	RT	GC	GA PACIFIC	ENMOTION 59466	RECESSED
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	-
0059	-	1	FRUIT MERCHANDISER	RT	GC	MARCO	-	-
0066	-	1	IPAD WALL MOUNT	RT	GC			-
0067	-	2	PLASTIC BAG HOLDER	RT	GC	HILEX POLY CO.	7773033	-
0071	-	3	HAND SANITIZER DISPENSER	RT	GC	DEB	TF2AZU	-
0072		1	LOTTO TICKET TERMINAL AND PRINTER	GC	RT	ALTURA VISION	-	-
0073	-	1	PACKAGE PASSER	RT	GC	LYONS	CUSTOM	-
0074	-	1	LOTTERY TICKET SAFE	RT	GC	WILSON SAFE CO.	BC-2500	OUTSIDE DIMENSIONS 12.5Hx14.5Wx20.5D
0075	-	1	MOBILE CART	RT	RT	SPG	2436ISC	-
0081	-	14,2	CUP DISPENSER	RT	VENDOR	SAN JAMAR	C2410	-
0084	-	3	TRASH CAN	RT*	RT*	ULINE	S-9971GR	*(4) MILLWORKER PROVIDED AND INSTALLED
0090	-	6	EXTERIOR SEATING	RT	GC	BENCHMARK	CUSTOM	-
0093	-	1	FILING CABINET DESK	RT	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	-
0102	-	1	YOGURT CONE DISPENSER	RT	VENDOR	DISPENSE-RITE	CTCD-3BT	-
0103	-	2	PROPANE CAGE	RT	VENDOR	PINNACLE	CUSTOM	CAGE COMES IN 12 AND 18 BUT WILL BE SITE SPECIFIC
0105	-	9	VANITY CABINET	RT	VENDOR	WINDSOR FIXTURES	CUSTOM	-
0106	-	3	RESTROOM TRASH CABINET	RT	VENDOR	WINDSOR FIXTURES	CUSTOM	-
0108	-	2	TRAVEL CENTER GLASS DISPLAY CABINET	RT	GC	TBD	TBD	-
0109	-	1	LOTTERY TICKET SHROUD DISPLAY	RT	GC	ROYSTON	CUSTOM	-
0129	-	5	ENTRANCE BARRIER	RT	GC	LAVI	WALL MOUNT 3010	-
0129	-	5	CIGARETTE PACK PUSHER	RT	GC	IMAGE WORKS	05002	-
0138	-	2	STAINLESS STEEL PREP TABLE 30x30	RT	GC	ADVANCE TABCO	KLAG-300-X	-
0139	-	1	UNDER COUNTER LOTTERY TICKER DISPENSER	RT	GC	TAKE A TICKET	32 TICKET	-
0144	-	4	CASHWRAP SHROUD	RT	GC	NEW ENGLAND WIRE	RAC10080A-1	-
0145	-	3	BAGGING MILLWORK	RT	VENDOR	WINDSOR FIXTURES	FAB	-
0146	-	2	STAINLESS STEEL PREP TABLE (24X36 INCH)	RT	GC	DUKE	416S-2436-SP-157942	-
0154	-	3	TOWEL DISPENSER (MOTION ACTIVATED)	RT	GC	TORK	461002	RECESSED
0155	-	3	SOAP DISPENSER	RT	GC	PURELL	FMX-20	-
0178		2,4	83" FLOOR GONDOLA AND SHELVING	RT	GC	ROYSTON	CUSTOM	
0190	-	1	JAMCO STEEL TABLE (24X36X30)	RT	GC	JAMCO	WS236GP	-
1077	-	1	CAT SCALE FUEL DESK	RT	GC	CAT SCALE	TBD	-
X0031	-	1	CASH WRAP CORNER DESK	RT	VENDOR	WINDSOR FIXTURES	FAB	-
303-S1-LEDB2								
		2	Lumiere Eon LED 303-S1-LEDB2	RT	GC	EATON	303-S1-LEDB2	
1000 SERIES – TOILET ACCESSORIES								
1003	-	2	HAND DRYER	RT	GC	BOBRICK	B-7128	-
1007	-	11,2	RESTROOM BARRIER	RT	GC	-	-	MATERIAL TO BE PHENOLIC BLACK CORE, BURNT STRAND 5107; PROVIDE COAT HOOK: BRADLEY 932 DOUBLE ROBE HOOK, 626 FINISH, MOUNT AT 48 INCHES AFF. PROVIDE FLOOR STIFFENERS 2
1008	-	2	24(INCH) X 36(INCH) MIRROR	RT	GC	-	-	-
1015	-	2	36(INCH) GRAB BAR	RT	GC	ASI	3700	-
1016	-	4	42(INCH) GRAB BAR	RT	GC	ASI	3700	-
1017	-	4	18(INCH) GRAB BAR	RT	GC	ASI	3700	-
1020	-	2,3	TOILET TISSUE/ SEAT COVER/ SANITARY NAPKIN DISPOSAL	RT	GC	ASI	0482	-
1022	-	2,4	SURFACE MOUNTED SEAT COVER & TOILET PAPER DISPENSER WITH SANITARY DISPOSAL	RT	GC	ASI	0483	-
1023	-	1,2	TOWEL AND WASTE RECEPTACLE COMBINATION	RT	GC	ASI	0469-9	-
1028	-	1	SURFACE MOUNTED TOILET TISSUE DISPENSER	RT	GC	ASI	0030	-
1030	-	1	SURFACE MOUNTED SEAT COVER DISPENSER	RT	GC	ASI	0477-SM	-
1031	-	1	RECESSED TOWEL AND WASTE RECEPTACLE COMBINATION	RT	GC	ASI	6462	-
1032	-	2	BABY CHANGING STATION	RT	GC	FOUNDATIONS	100-EH, 5210089	-
1033	-	7	MULTI-FOLD TOWEL DISPENSER	RT	GC	TORK	73TR	COLOR: SMOKE
1034	-	2	DEGREASER	RT	GC	GOJO PRO	TDX 2000	-
1035	-	6	24(INCH) X 48(INCH) LIGHTED MIRROR	RT	GC	SEURA	HALO DESIGN 24"W X 48"H	-
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	6	URINAL	RT	GC	ZURN	Z5755-U	FLUSH VALVE: ZURN ZEMS6003AV-ULF-VP
2005	MS	1	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 TRIPPLE: EV9437-31	XC PLUS SYSTEM; GC SHALL VERIFY REQUIRED WATER PRESSURE FOR WATER FILTER SYSTEMS WITH FILTER MANUFACTURER AND PROVIDE BOOSTER PUMP AS REQUIRED
2014	HR	3	HOSE REEL	RT	GC	REELCRAFT	5635 OLPSW51LW2	-
2019	WC	8	WATER CLOSET	RT	GC	ZURN	Z5665-BWL WITH TOP SPUD AND Z5955SS-EL	REF. PLUMBING FOR FLUSH VALVE 2
2020	WF	4	HIGH FLOW SERIES CYST REPLACEMENT CARTRIDGES	RT	GC	3M	HF40-S	-
2022	PS	1	ONE COMPARTMENT SINK WITH DRAIN BOARD	RT	GC	SPG	1N18-RD24	T&S BRASS B231 FAUCET. SEE A140 SHEET TO SELECT PROPER LEFT/RIGHT HAND DRAINBOARD.
2023	SK3	1	THREE COMPARTMENT SINK	RT	GC	SPG	SKS-002789-01	T&S BRASS B231 FAUCET AND T&S BRASS B-0133-B SPRAYER
2024	HS	3,2	HAND SINK	RT	GC	SPG	EHS-1RL	-
2026	LAV	1	DEEP VANITY SINK	RT	GC	KOHLER	K-6661	FAUCET: ZURN Z6930-XL-F-CWB-TMV-1, DRAIN: K8807
3000 SERIES – ELECTRICAL EQUIPMENT WITH PLUMBING								
3004	-	3	10 HEAD SODA FOUNTAIN	RT	VENDOR	CORNELIUS	ENDURO 200	-
3005		3	POST MIX SODA SYSTEM	RT	VENDOR	CORNELIUS	UCC-40	-
3007	-	2	GRANITA MACHINE	RT	VENDOR	BUNN	ULTRA II CFV	-
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 2	-
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	-	2	Schaerer Coffee Art C TOUCH Utility	RT	GC	Schaerer	040381-00090EUS	-
3033	-	2	TEA BREWER	RT	VENDOR	BUNN	52000.0301	-
4000 SERIES – REFRIGERATION								
4001	-	18	COOLER #1 DISPLAY DOOR	RT	GC	ANTHONY	INFINITY	HANDLES
4013	-	2,2	ICE MAKER (CRUSHED/NUGGET)	RT	VENDOR	ICE-O-MATIC	GEM0956R	-
4025	-	4	FROZEN YOGURT DISPENSER	RT	GC	STOELTING	F231-AD1	FLEXIBLE PIPING AND MANIFOLD BY VENDOR

EQUIPMENT SCHEDULE

ITEM NO.	RISER TAG	QTY.	DESCRIPTION	FURN BY	INST BY	MANUFACTURER	MODEL	ARCHITECTURAL REMARKS
4033		1	TWO DOOR REFRIGERATOR	RT	GC	TURBO AIR	M3R47-2	-
4043		1	TWO DOOR REACH-IN FREEZER	RT	GC	TURBO AIR	M3F47-2	-
4065		1	BULLET IMPULSE COOLER (4 FT.)	RT	GC	HILLPHOENIX	HVI-304R-59	-
4114	-	1	WALK IN COOLER CONDENSER	RT	GC	BOHN	BZT015M6C	-
4131	-	1	YOGURT MACHINES CHILLER - PAK	RT	GC	AIRDYNE	C20AR404A	-
4138		1,2	1 DOOR, 177 GAL, THAWING CABINET	RT	GC	ELECTROLUX	670lt	-
4149	-	2	Alch-NonAlch Cooler Condenser	RT	GC	BOHN	ZS29KAE-TF5-118	-
4150	-	4	REACH IN COOLER EVAPORATOR	RT	GC	BOHN	BEC0175AS7AMAB0200	-
4151	-	1	Bullet Impulse Cooler Condenser	RT	GC	BOHN	BCH0009MCACZA0400	-
4152		1	WALK IN COOLER EVAPORATOR	RT	GC	BOHN	BEC0130AS7AMAB0200	
4153	-	1	FREEZER CONDENSER	RT	GC	BOHN	BCH0045LCACZA0400	-
4154	-	1	FREEZER EVAPORATOR	RT	GC	BOHN	BEC0135BS6EMAB0200	-
4173	-	1	UNDERCOUNTER FREEZER	RT	GC	Turbo Air	MUF-36-N	
4181	-	1	ICE MAKER (CUBER)	RT	VENDOR	ICE-O-MATIC	CIM0836R	-
4182	-	1	ICE MAKER REMOTE CONDENSER (CUBER)	RT	VENDOR	ICE-O-MATIC	RCA-2061	SERVES 4181 UNITS
4183	-	2	ICE MAKER REMOTE CONDENSER (CRUSHED NUGGET)	RT	VENDOR	ICE-O-MATIC	RCA-1061-HM	SERVES 4013 UNITS 2
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	-	1	TANK MONITOR	RT	GC	VEEDER-ROOT	TLS-350 PLUS	-
5006	-	3	46 INCH COMMERCIAL DISPLAY	RT	RT	AT&T	-	-
5007	-	1	BILL SAFE	RT	GC	TIDEL	SERIES 4	-
5008	-	4	CASH DRAWER	RT	GC	APG	-	POWERED BY UPS
5009	-	4	POINT OF SALE TERMINAL	RT	RT	RADIANT	P1560	POWERED BY UPS
5010		4	POINT OF SALE SCANNER	RT	RT	MOTOROLA	DS9808	POWERED BY UPS
5011		4	POINT OF SALE PRINTER	RT	RT	BIXOLON	SRP-350PLUSII	POWERED BY UPS
5012	-	10	UPS POWER SUPPLY	RT	GC	ONEAC	ONE254AG-SE	
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
5024	-	3	INTERCOM CALL BOX	RT	GC	ESCO	SPK-1003	-
5025	-	4,2	ROLLER GRILL	RT	GC	STAR	50SCE	-
5026	-	2	MICROWAVE OVEN	RT	GC	PANASONIC	NE/1258	-
5027	-	2	BUN WARMER	RT	GC	VULCAN-HART	VWISB	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	-
5039		6	VARIABLE FREQUENCY CONTROLLER	RT	GC	FE PETRO	MAGVFC	-
5040	-	2	FOOD WARMER BOILED PEANUTS	RT	GC	WELLS MANUFRACTURING	SS-10	-
5041		7	SECURITY MONITORS	RT	GC	SAMSUNG		
5042	-	2	UNITIZED PANEL SYSTEM	RT	GC	SCHNEIDER-ELECTRIC	CUSTOM	-
5043	-	1	INSTANT TICKET VENDING MACHINE (GA)	RT	GC	-	-	-
5044	-	2	ICE MERCHANDISER	VENDOR	VENDOR	REDDY ICE	-	-
5048	-	1	YOGURT COLDPAN	RT	GC	DELFIELD	N8100B	-
5055	-	2	POWER CONVERTER	RT	GC		P60000-HW6	-
5059	-	2	SINGLE FOOD WARMER WITH PUMP (YOGURT TOPPINGS)	RT	GC	SERVER	EZT-S TOPPER	-
5060	-	1	GLASS DOOR FREEZER	RT	GC	EXELLENCE INDUSTRIES	GDF 15	-
5067	-	1	PIZZA PREP STATION	RT	GC	DUKE	38-PC	-
5069		1	HOLDING CABINET	RT	GC	DUKE	MUHC-34-208	-
5074		5	POS BATTERY BACKUP	RT	GC	GTS	ABCEG251-11	-
5078		1	MTO MEASURING SCALE	RT	RT	TAYLOR	TE10FT	-
5083		1	SINGLE DOOR WINE COOLER 54 IN TALL	RT	GC	EXCELLENCE INDUSTRIES	VR-10-G	-
5084	-	2	DOUBLE BATCH PIZZA OVEN	RT	GC	TURBOCHEF	HHD-9500-1	-
5093	-	1	IPAD	RT	GC	APPLE		
5098		4	PANIC BUTTON	RT	RT	HUB	HUB2SA	-
5099		1	MONEYGRAM	RT	GC	-	-	-
5101		1	EMERGENCY FUEL SHUTOFF	RT	RT	-	EM04C	-
5109	-	2	BIG BLENDING SYSTEM	RT	GC	JUNGE	-	-
5115		2	IMPULSE COOLER	RT	GC	TURBO AIR	TOM-40M(B)	-
5120	-	3	SELFSERV POINT OF SALE TERMINAL	RT	GC	NCR	CCP-72736	-
5128		1	CANDY FIXTURE	RT	GC	NEW ENGLAND WIRE	RAC10070B	-
5136		1	SOLID DOOR FREEZER	RT	GC	TURBO AIR	M3F24-1-N	-
5139		1	OIL CONSERVING ELECTRIC FRYERS	RT	GC	FRYMASTER	3FQE60U	-
5148	-	1	WORKTOP FREEZER	RT	GC	TURBO AIR	TWF-60SD-N	-
5150	-	1	BUILT-IN HEATED SHELF	RT	GC	HATCO	GRSBF-24-O	-
5151	-	1	WORKTOP REFRIGERATOR	RT	GC	TURBO AIR	TWR-72SD-N	-
5155	-	2	COMDATA SMART SOLUTIONS	RT	RT	COMDATA	SMARTDESQ	POWERED BY UPS
5156		2	low-profile 9-pin dot matrix printer	RT	GC	OKI	ML186Plus	-
5158		1	PASTRY CASE	RT	GC	ROYSTON	66(INCH) CUSTOM	
5159	-	2	WORKTOP FREEZER	RT	GC	TURBO AIR	TWF-48SD-N	-
5162	-	1	AIR COMPRESSOR	RT	GC	CHAMPION	VR7F-8	- 2
5163		3	COIN OPERATED AMUSEMENT MACHINE	RT	GC	-	COS-2	
5165	-	1	WORKTOP REFRIGERATOR	RT	GC	TURBO AIR	TWR-48SD-N	-
5166	-	1	WASTE OIL CONTAINMENT TANK	RT	GC	FRONTLINE INTERNATIONAL	2478SQ-NA	-
5168	-	1	COLLECTION PORT BOX FOR WASTE OIL CONTAINMENT TANK	RT	GC	FRONTLINE INTERNATIONAL	CUSTOM	2
5179	-	2	HOT CASE	RT	GC	VENDO	HFOD42	-
5183	-	1	BREADING TABLE	RT	GC	DUKE ADI-3M-N7 DROP-IN	CUSTOM	DUKE
5185	-	2	BUILT-IN HEATED SHELF	RT	GC	HATCO	GRSBF-54-O	-
5187	2	1	AMBIENT (UNHEATED) AIR CURTAIN	RT	GC	BERNER INTERNATIONAL CORP.	IDC12-2084A	-
5189		3	AIR CURTAIN AT TC CUSTOMER ENTRANCE	GC	GC	BERNER INTERNATIONAL	ARD12-2072A	2
5203		2	FOOD LABEL PRINTER	RT	GC	AVERY DENNISON	MO9418EF02 - 9418	-
5210	-	1	144 IN STRIP HEATER	RT	GC	HATCO	GRAHL-144D	-
6000 SERIES – STORAGE SHELVING								
6036	-	2,17,2	STORAGE SHELVING (24 x 48 x 72)	RT	VENDOR	SPG	SUS5T2448	-
6038	-	10	STORAGE SHELVING (24 x 60 x 72)	RT	VENDOR	SPG	SUS5T2460	-
6039	-	1	STORAGE SHELVING (24 x 24 x 78)	RT	VENDOR	SPG	SUM4T2424	- 2
6041	-	2	STORAGE SHELVING (24 x 36 x 78)	RT	VENDOR	SPG	SUM4T2436	-
6043	-	12,2	STORAGE SHELVING (24 x 48 x 78)	RT	VENDOR	SPG	SUM4T2448	-
6050	-	1	GRID WALL SHELVING 3 COMP SINK (36 X 96)	RT	VENDOR	SPG	WST1778E	-
6051	-	1	GRID WALL SHELVING 1 COMP SINK (24 X 48)	RT	VENDOR	SPG	WST1777E	-
6053	-	12,2	DUNNAGE RACK (24 x 60 x 36)	RT	VENDOR	SPG	DUN2460	-
6054	-	2	ALUMINUM PAN RACK (20 x 26 x 70)	RT	VENDOR	SPG	APR2018-3/PC/BK	-
6056	-	1	UNDERCOUNTER CHEMICAL STORAGE RACK (18x30)	RT	GC	SPG	UCRACK1830	-
6059	-	18	SODA/BEER SHELVING 30x36	RT	GC	BOF	VERSA ROLL	-
6067	-	3	GLOVE/HAIR NET HOLDER	RT	VENDER	SPG	GBH359-344E	-
6083	-	2	BREAD RACK	RT	VENDER	SPG	APRE1518-4/KDA/MOD	-
6085	-	1	APRON HOLDER WIRE RACK	RT	VENDER	SPG	GBH9513-S02	-
6086	-	1	SOUFFLE CUP-PAPER BOWL HOLDER	RT	VENDER	SPG	GBH9513-S03	-
6087	-	1	36x48 WALL GRID KIT FOR FRIED CHICKEN	RT	VENDOR	SPG	WST1876E	-
6093	-	10	STORAGE SHELVING @ TC DUMPSTER (24 x 48 x 74) STATIONARY	RT	VENDOR	SPG	TBD - CUSTOM	-

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA024201
REGISTERED ARCHITECT
05/16/22

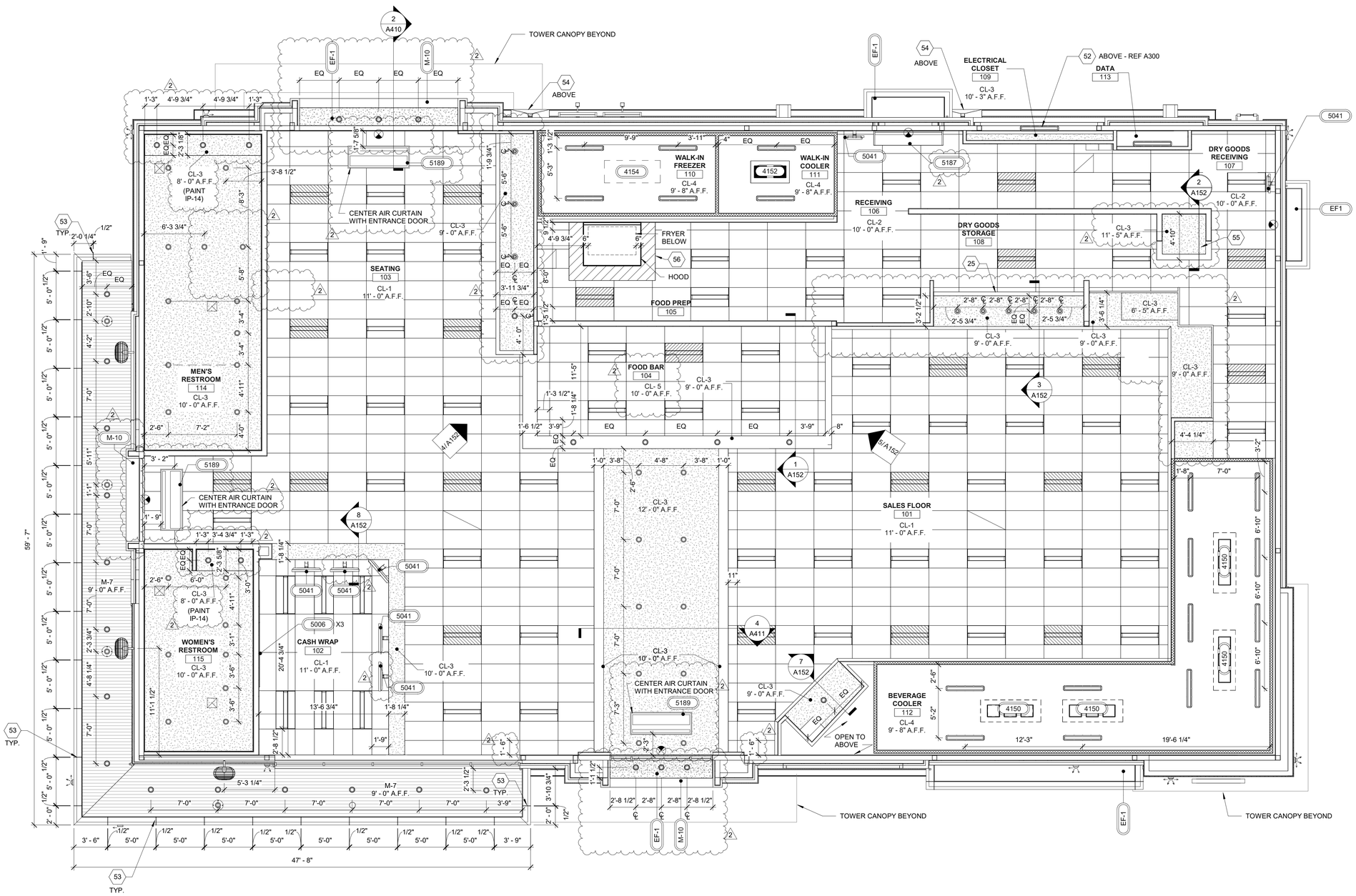
PROJECT NUMBER 63200243

SHEET TITLE

EQUIPMENT SCHEDULE

SHEET NUMBER

A141



1 REFLECTED CEILING PLAN - MAIN
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.
6. FOR ALL SUSPENDED SOFFIT WALLS, REFER TO STRUCTURAL FOR CONNECTION DETAILS AT ROOF STRUCTURE

SHEET KEYNOTES

25	MILLWORK WALL BY MILLWORK VENDOR. INSTALL 1/4" GYPSUM WALL BOARD ON TOP OF MILLWORK WALL
52	LIGHT MOUNTED TO OVERHEAD DOOR HEADER
53	ACM PANEL REVEAL LINE
54	ROOF SCUPPER
55	RAISED CEILING 11'-5" A.F.F. IN AREA FOR WATER HEATER
56	18" MINIMUM STAINLESS STEEL PANEL IN LIEU OF CEILING TILES WHERE SHOWN HATCHED

REFLECTED CEILING PLAN LEGEND

- EXTERIOR LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- LIGHT FIXTURE
- LIGHT FIXTURE (EMERGENCY)
- 2x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE (EMERGENCY)
- 4" RECESSED DIRECTIONAL LIGHT; REFER TO ELECTRICAL LIGHTING SCHEDULE FOR SPECIFIC MODEL
- 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
- EXTERIOR GRADE RECESSED 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 - EIFS (EF-1)
- EXTERIOR SOFFIT CEILING MATERIAL COLOR TO MATCH SW #6141 SOFTER TAN

INCORPORATED SPB - 2021_0501; 2021_0504; 2021_0505; 2021_0506

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DESIGN PROFESSIONALS

brr

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8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB
CHECKED BY: JCM
DRAWN BY: HE

ISSUE/REVISION RECORD

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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.

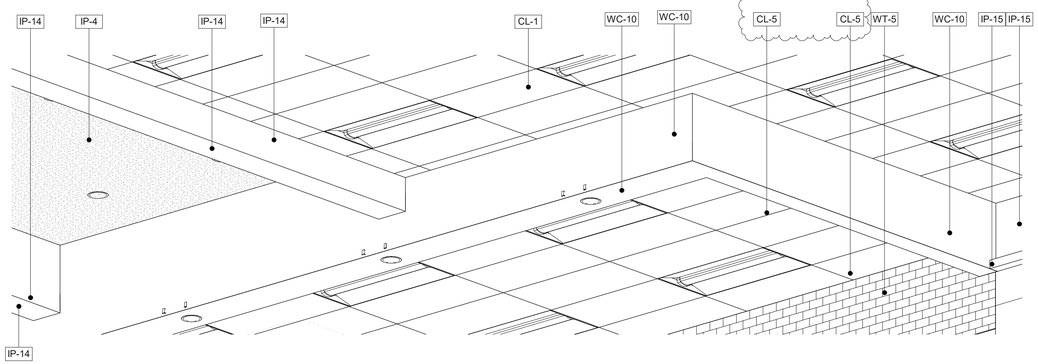
PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA025051
REGISTERED ARCHITECT
05/16/22

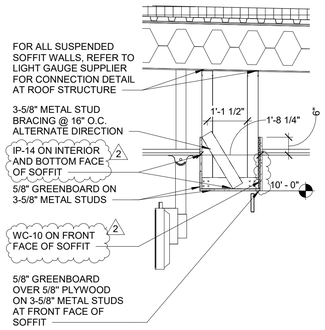
PROJECT NUMBER
63200243

SHEET TITLE
REFLECTED CEILING PLAN AND DETAILS

SHEET NUMBER
A150

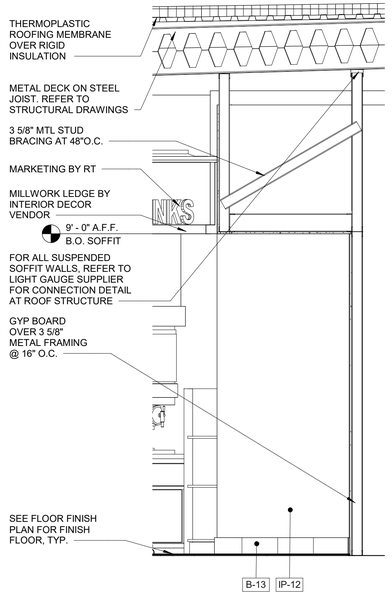


5 SOFFIT TERMINATION AT YOGURT



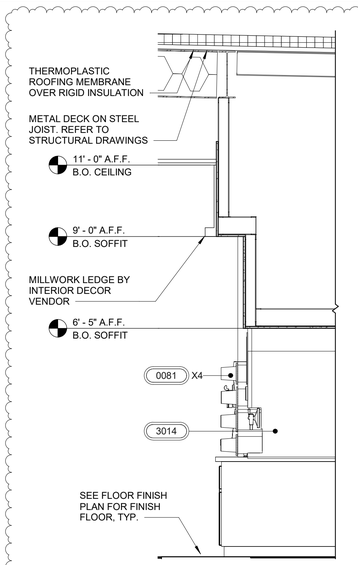
8 CASH WRAP SOFFIT SECTION

1/2" = 1'-0"



7 SECTION AT SERVICES NOOK

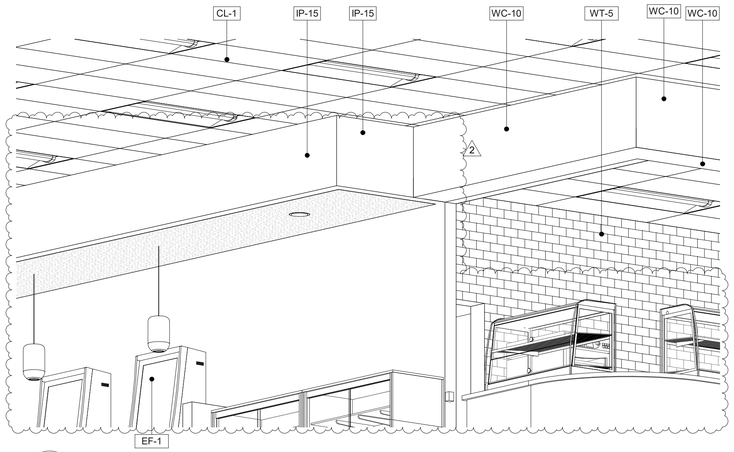
1/2" = 1'-0"



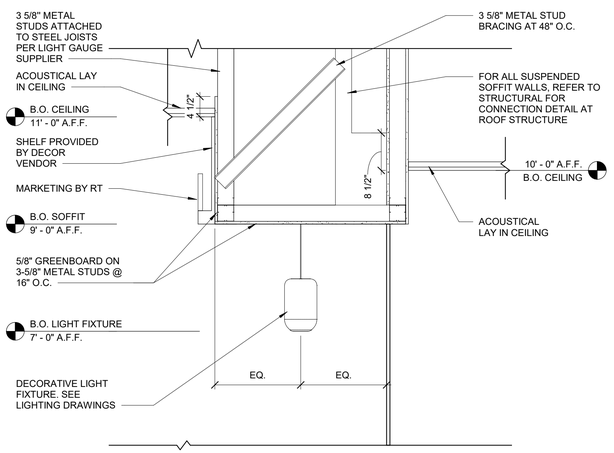
6 SECTION AT FCB BAR

1/2" = 1'-0"

NOTE: WHERE LIGHT GAUGE METAL FRAMING IS SHOWN IN THE ARCHITECTURAL DRAWINGS, PER "SHOP DRAWING NOTE" #1 AND #5 ON SHEET S000, ALL LIGHT GAUGE METAL FRAMING SIZES, BRIDGING, LATERAL BRACING, AND ALL CONNECTIONS ASSOCIATED WITH LIGHT GAUGE METAL FRAMING ARE TO BE DESIGNED BY A CONTRACTOR FURNISHED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

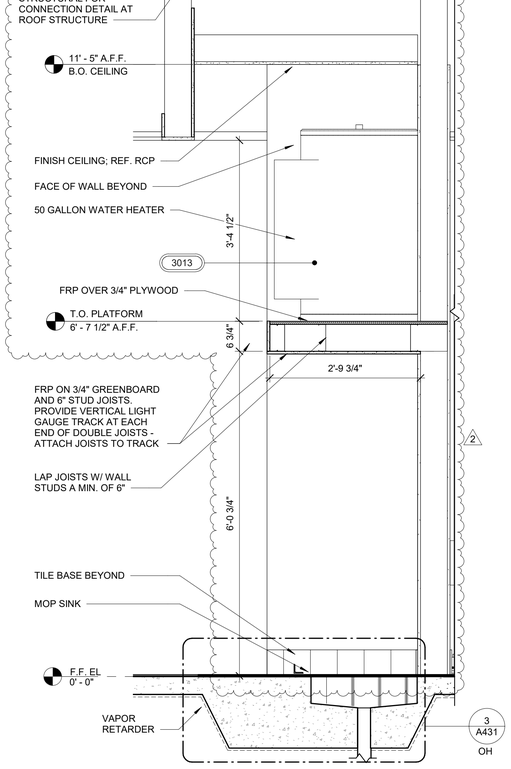


4 SOFFIT TERMINATION AT SEATING AREA



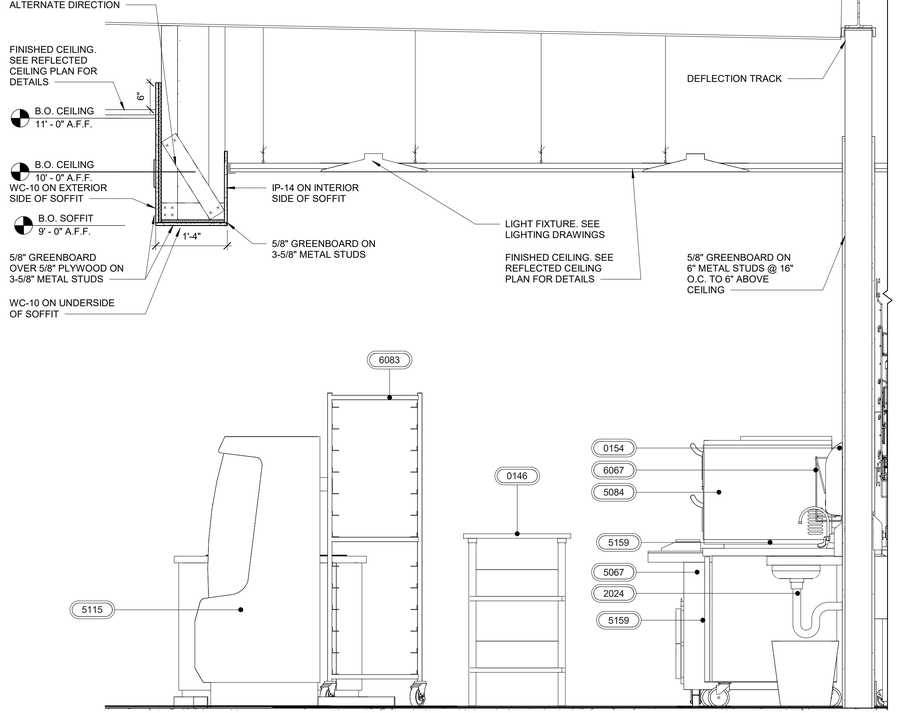
3 SOFFIT SECTION AT COFFEE

3/4" = 1'-0"



2 WATER HEATER PLATFORM SECTION DETAIL

3/4" = 1'-0"



1 SOFFIT SECTION AT FOOD BAR

3/4" = 1'-0"

INCORPORATED SPB - 2021_0504; 2021_0506

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA025201
REGISTERED ARCHITECT
05/16/22

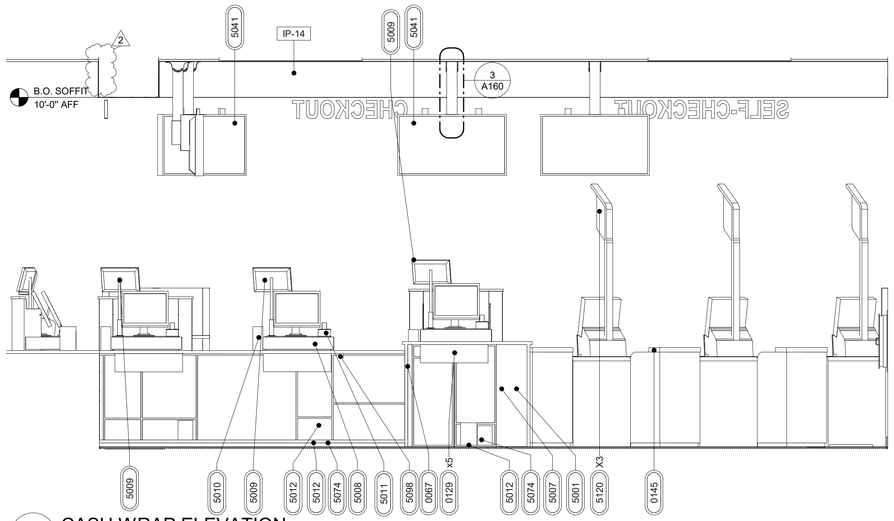
PROJECT NUMBER 63200243

SHEET TITLE

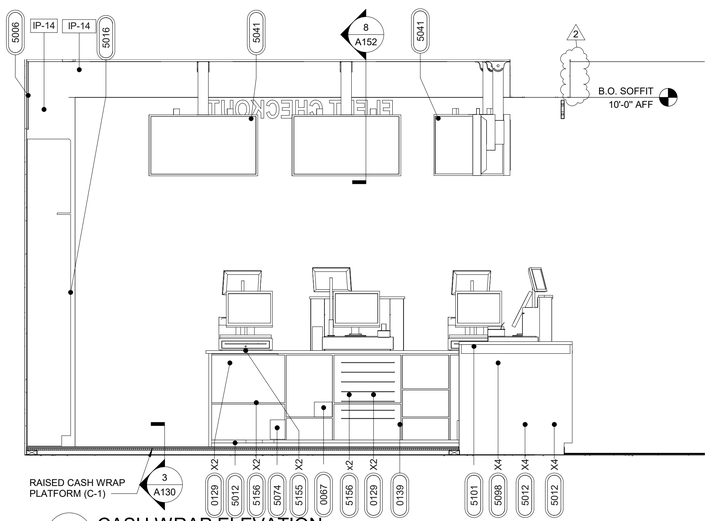
INTERIOR CEILING DETAILS

SHEET NUMBER

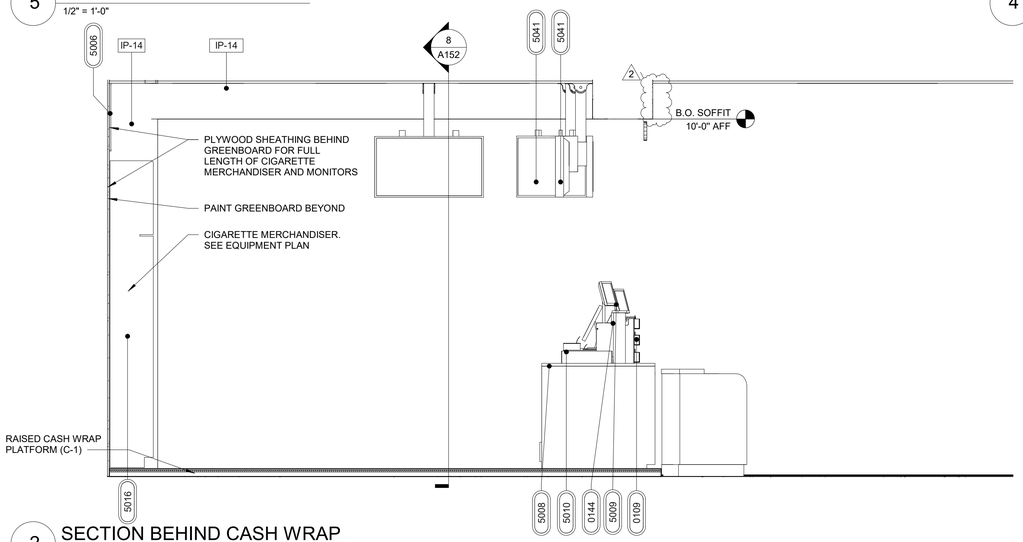
A152



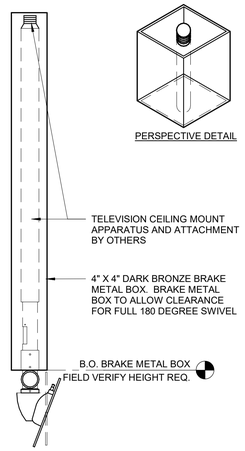
5 CASH WRAP ELEVATION
1/2" = 1'-0"



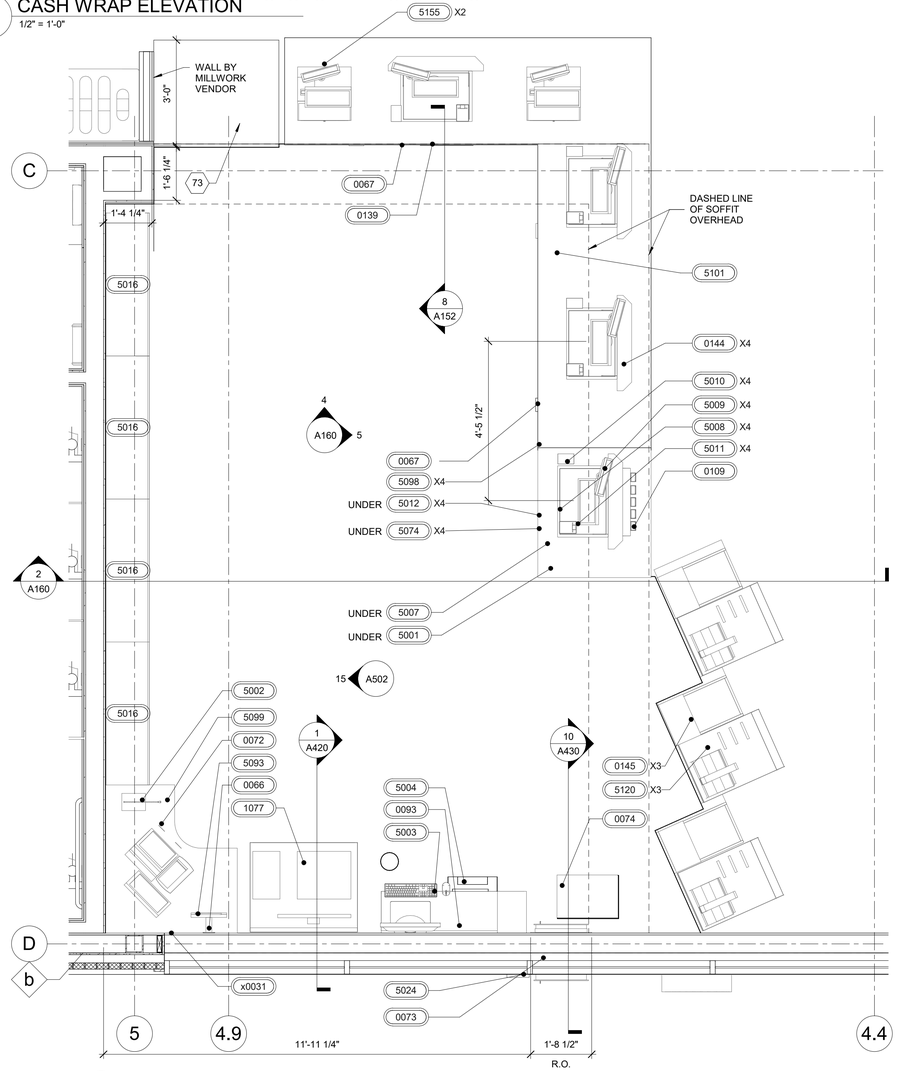
4 CASH WRAP ELEVATION
1/2" = 1'-0"



2 SECTION BEHIND CASH WRAP
1/2" = 1'-0"



3 BRAKE METAL BOX
6" = 1'-0"



1 ENLARGED CASH WRAP PLAN
1/2" = 1'-0"

GENERAL NOTES

1. DO NOT SCALE PLANS

SHEET KEYNOTES

73	RAMP TO RACED PLATFORM; REF FLOOR FINISH PLAN

INCORPORATED SPB - 2021_0504

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(770) 431-7600

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ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

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SPB NO. 0507 DATE 12/08/21
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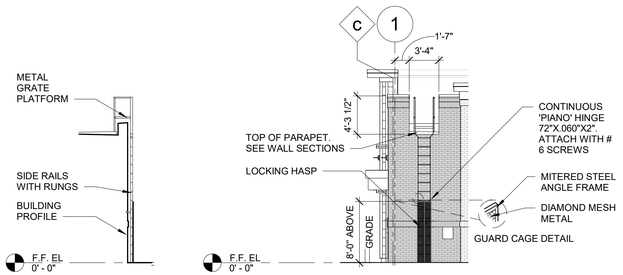
PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. PA007251
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

SHEET TITLE
ENLARGED CASH WRAP AND DETAILS

SHEET NUMBER
A160



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

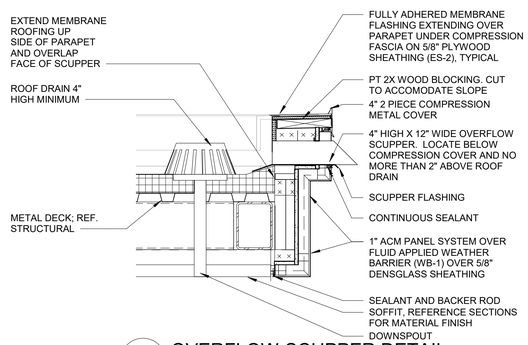
PAINT LADDER, CAGE, BRACKETS AND OTHER MISCELLANEOUS METALS WITH ONE SHOP PRIME COAT AND TWO FINISH COATS. COLOR TO BE SELECTED BY RACETRAC.

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

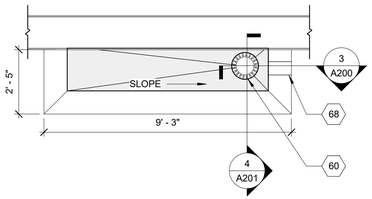
LADDER:
PROVIDE CODE COMPLIANT EXTERIOR ROOF ACCESS LADDER.3/8"x 3" CONT. STEEL FLAT BAR SIDE RAILS W/ EASED EDGES 18" APART W/ 3/4" DIA. SOLID STEEL BAR RUNGS AT 12" O.C. PROVIDE 8" MINIMUM CLEARANCE FROM EXTERIOR FACE OF WALL. PROVIDE BOLTED STEEL BRACKETS AT 6'-6", BEAM LEVEL, AND REAR OF PARAPET - 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.

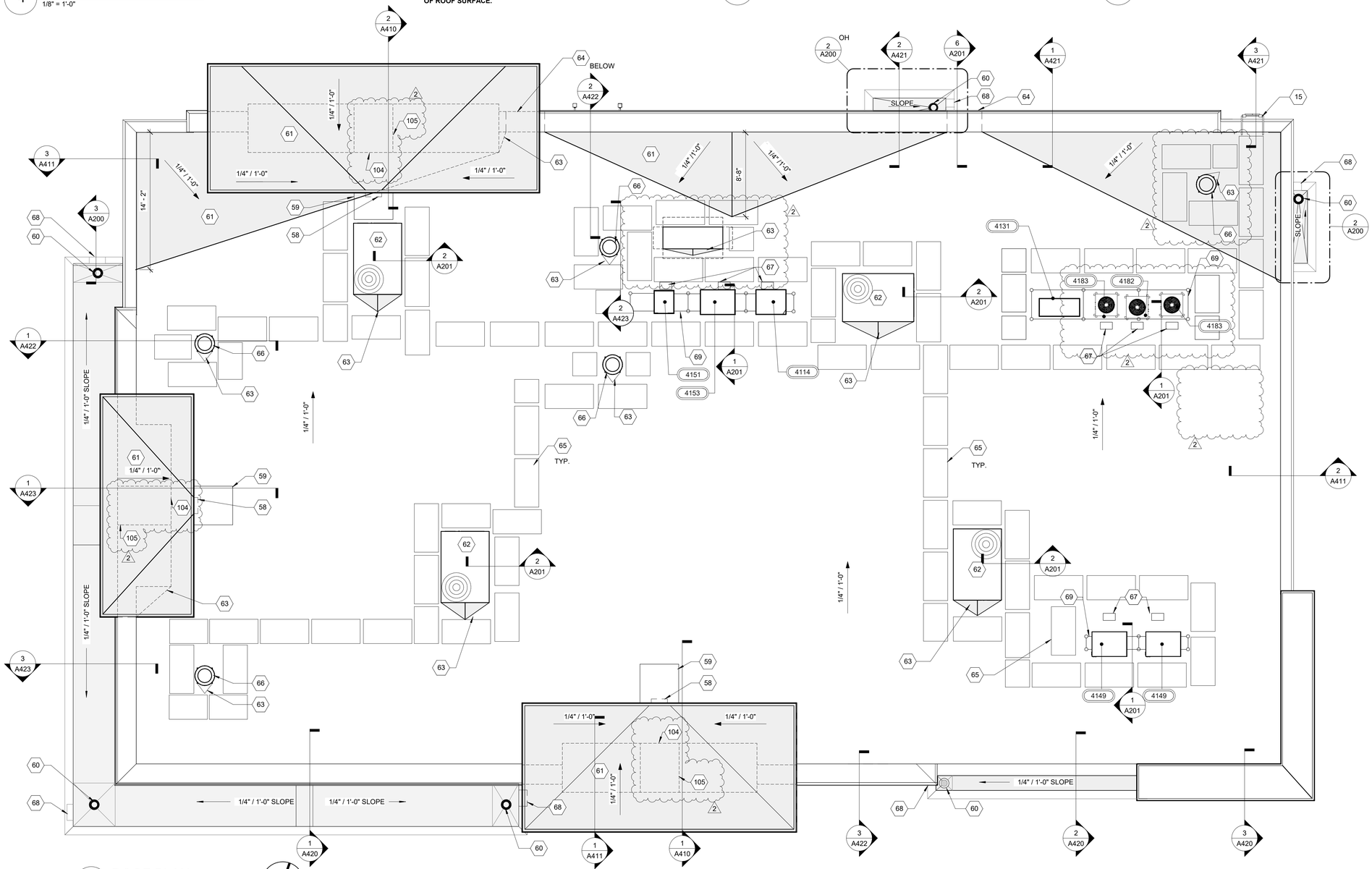
LADDER PLATFORM:
EXTEND LADDER RAILS 4'-0" ABOVE PARAPET. PROVIDE METAL GRATE PLATFORM 6" ABOVE TOP OF PARAPET TO WALK OVER AND RETURN LADDER DOWN TO WITHIN 12" OF ROOF SURFACE.



3 OVERFLOW SCUPPER DETAIL
1" = 1'-0"



2 CANOPY PLAN
3/8" = 1'-0"



GENERAL NOTES

1. PROVIDE DURO-LAST MEMBRANE 50 MIL THERMOPLASTIC ROOFING SYSTEM; MECHANICALLY ANCHORED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS OVER R-30 RIGID INSULATION.
2. PROVIDE UL-CERTIFIED MINIMUM CLASS-C ROOF ASSEMBLY.

SHEET KEYNOTES

15	PAINTED STEEL ROOF LADDER INSTALL BY GC; REF ROOF PLAN DETAILS AND WALL SECTIONS
58	18" WIDE SCUPPER; REF ROOF DETAILS
59	PROVIDE LAYER OF TPO ROOFING MEMBRANE BELOW MAIN ROOF MEMBRANE; ADHERE 4'X4' WALKWAY PAD BELOW 1'X4' COMPOSITE SPLASHBLOCK
60	ROOF DRAIN; PROVIDE TAPERED INSULATION FOR POSITIVE DRAINAGE. PLACE ROOF DRAIN IN 2" DEEP SUMP; REF ROOF DETAILS
61	TAPERED INSULATION SLOPED TO ROOF DRAINS AND SCUPPERS
62	ROOF TOP UNIT; REF MECHANICAL DRAWINGS FOR UNIT INFORMATION; REF ROOF DETAILS FOR CURB CONDITIONS
63	PROVIDE TAPERED INSULATION CRICKET AT ALL ROOF TOP EQUIPMENT AND AS INDICATED. SLOPE 1/4" MIN FOR POSITIVE DRAINAGE
64	4' WIDE X 16" HIGH METAL SCUPPER, CONDUCTOR HEAD, GUTTER, AND DOWNSPOUT BELOW AS DETAILED ON SHEET A201. REF. EXTERIOR ELEVATIONS FOR DIMENSIONS
65	PROVIDE DURO-LAST ROOF TRAK 3 WALKWAY PADS WHERE INDICATED
66	EXHAUST FAN; REF MECHANICAL
67	ATR HUB FOR REFRIGERATION AND ELECTRICAL LINES AND CONDUITS; SEE ROOF DETAILS; ATR HUB TO BE PROVIDED BY DURO-LAST
68	8" WIDE X 4" HIGH OVERFLOW SCUPPER
69	REFRIGERATION SUPPORT RACK
104	30"X30" LOCKABLE ACCESS DOOR WITH CONTINUOUS GASKET FOR WEATHER PROTECTION/EXTERIOR USE - REF. 1/A410
105	3/4" PLYWOOD PLATFORM OVER 6" METAL STUDS AT ACCESS DOOR. REF. WALL SECTION. PROVIDE METAL STUD GUARDS ON BOTH SIDES OF PLATFORM WHERE INDICATED ON WALL SECTION.

ROOF DRAINAGE CALCULATIONS

ROOF DRAINAGE CALCULATIONS PER THE INTERNATIONAL PLUMBING CODES

1. ROOF AREA @ 8,100 SF AREA RAINFALL @ 5 INCHES PER HOUR.
2. SCUPPER SIZE PER 1106.7
   2.1 AT A 5-INCH HEAD, A 18-INCH HIGH OPENING WILL ACCOMMODATE A ROOF AREA OF 8,076 SF.
   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 @ 16 INCHES HIGH x 4-FEET WIDE. EACH OPENING HAS A CONDUCTOR HEAD AND DOWNSPOUT. THE PROVIDED AMOUNT WILL DRAIN A ROOF CALCULATED AREA OF 43,076 S.F. EACH DOWNSPOUT IS SIZED TO DRAIN 6,600 S.F. OF ROOF 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 6/A201 AND 7/A201 FOR MORE INFORMATION. ROOF SYSTEM DESIGNED TO ACCOMMODATE THE ADDITIONAL DEAD LOAD IN THE EVENT THE PRIMARY DRAIN SYSTEM FAILS.
5. WRAPPING CANOPY ROOF AREA @ 568 S.F. MAXIMUM AREA RAINFALL @ 5 INCHES PER HOUR. LOWER CANOPY ROOFS AREA @ 13 S.F. MAXIMUM AREA RAINFALL @ 5 INCHES PER HOUR.
6. ROOF DRAIN SIZE PER CHAPTER 11.
   6.1 3-INCH SQUARE DOWNSPOUT AND ROOF DRAIN WILL ACCOMMODATE A ROOF AREA OF 1,760 SF.
   6.2 ONE SCUPPER OF EQUAL SIZE IS REQUIRED FOR A SECONDARY DRAIN.
7. EACH CANOPY IS PROVIDED WITH A DEDICATED ROOF DRAIN, DOWNSPOUT, AND OVERFLOW SCUPPER. THE PROVIDED AMOUNT EXCEEDS THE MINIMUM REQUIRED CALCULATED AREA.

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0505; 2021_0506

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DESIGN PROFESSIONALS

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PROJECT MANAGER: CB
CHECKED BY: JCM
DRAWN BY: HE

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RaceTrac.
RACETRAC, INC.
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PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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

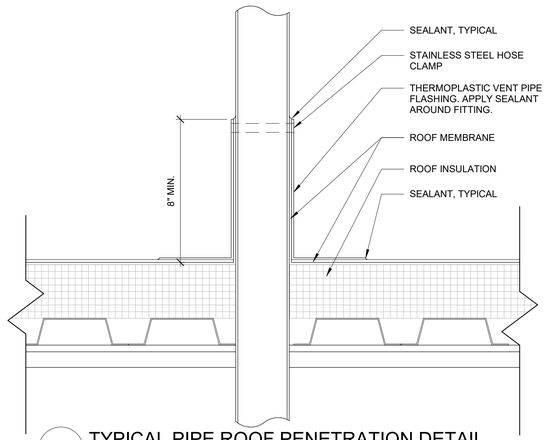


05/16/22

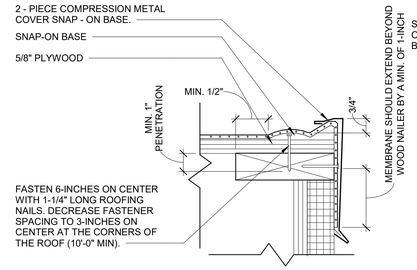
PROJECT NUMBER
63200243

SHEET TITLE
ROOF PLAN

SHEET NUMBER
A200

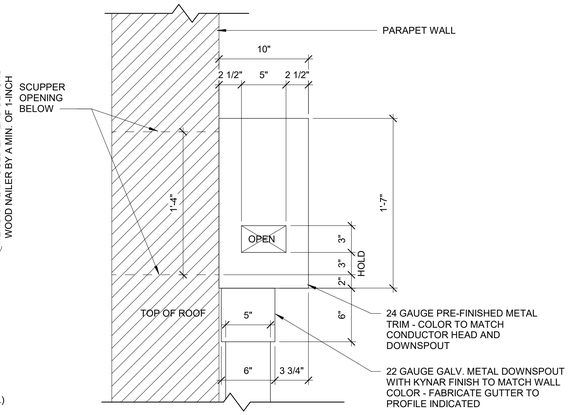


9 TYPICAL PIPE ROOF PENETRATION DETAIL
3" = 1'-0"



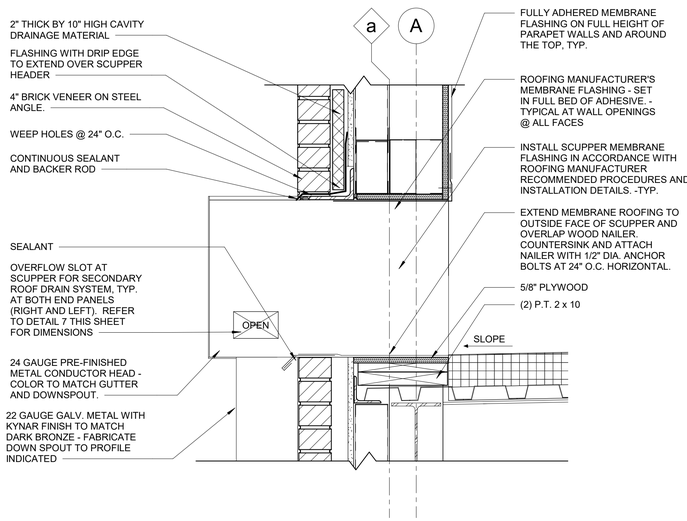
NOTE:
1. THE USE OF THIS DETAIL IS NOT TO EXCEED A 2-INCH PER 12-INCH SLOPE.
2. THE FASTENERS USED TO ATTACH THE BASE TO WOOD NAILERS, AND THE MEMBRANE TO THE FACE OF THE NAILERS, MUST BE SPACED NO GREATER THAN 6-INCHES ON CENTER. THE FASTENER SPACING MUST BE INCREASED TO 3-INCHES ON CENTER WHEN ATTACHING 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.

8 2 - PIECE COMPRESSION EDGE
3" = 1'-0"

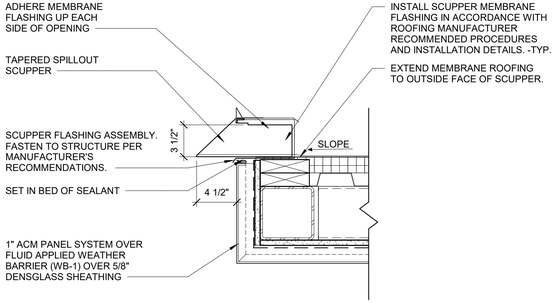


END PANEL PROFILE

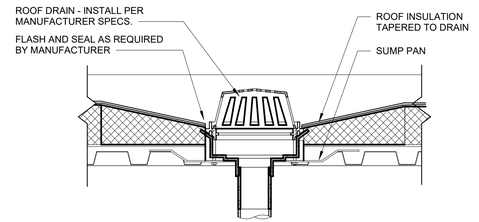
7 ENLARGED SCUPPER SIDE ELEVATION
1 1/2" = 1'-0"



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



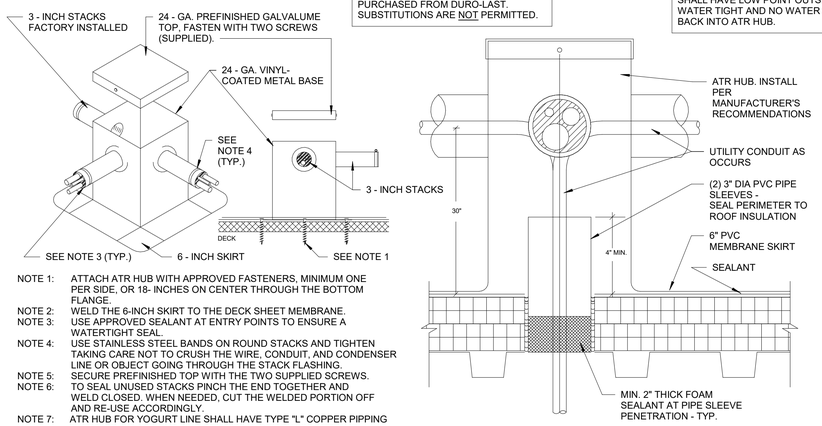
5 SCUPPER DETAIL AT HIGH TOWERS
1 1/2" = 1'-0"



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

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

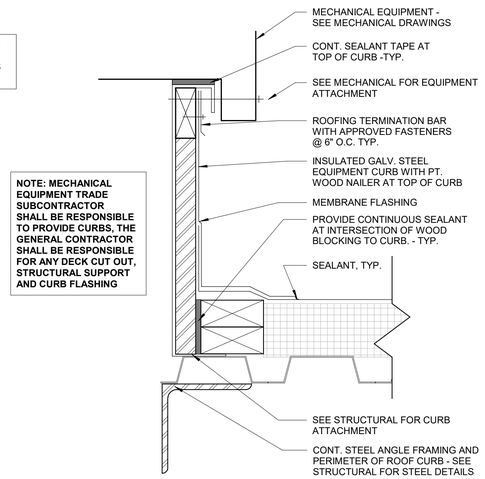
NOTE: ALL CONDUIT/PIPING ROUTED THROUGH ATR HUB SHALL HAVE LOW POINT OUTSIDE OF ATR TO ENSURE WATER TIGHT AND NO WATER OR CONDENSATION RUNS BACK INTO ATR HUB.



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 PIPPING EXTERIOR OF ATR HUB AND PEX PIPING INTERIO OF ATR HUB.

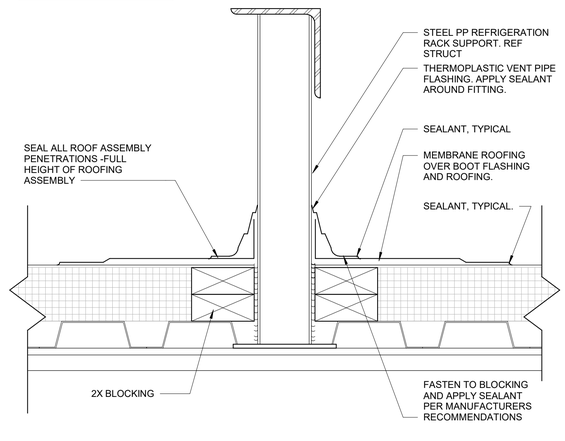
3 ATR HUB
12" = 1'-0"

NOTE: MECHANICAL 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



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

SEE MECHANICAL DWGS FOR ATTACHMENT OF EQUIPMENT



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

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DESIGN PROFESSIONALS

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05/16/22	REFRESH 2021_0507

RaceTrac.

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

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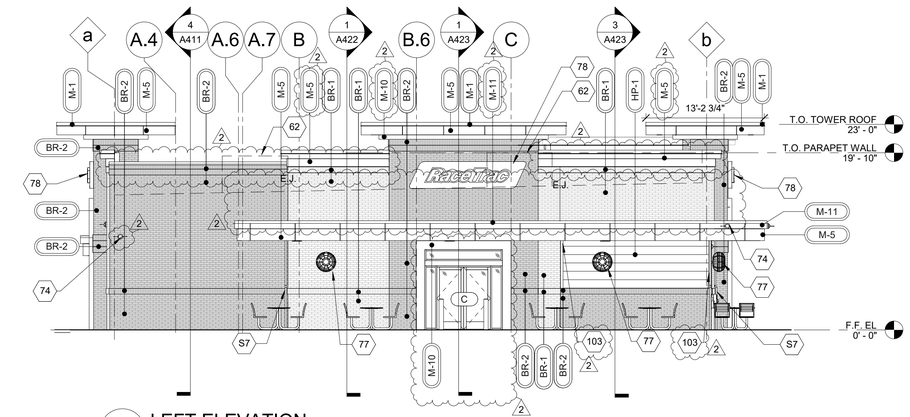


05/16/22

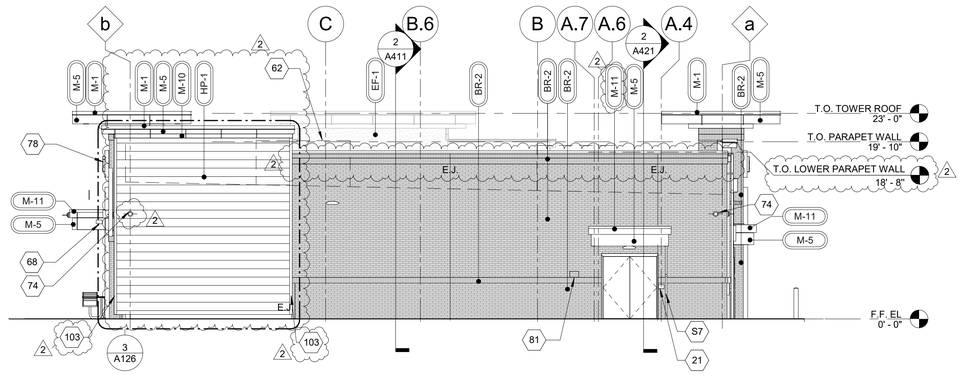
PROJECT NUMBER
63200243

SHEET TITLE
ROOF DETAILS

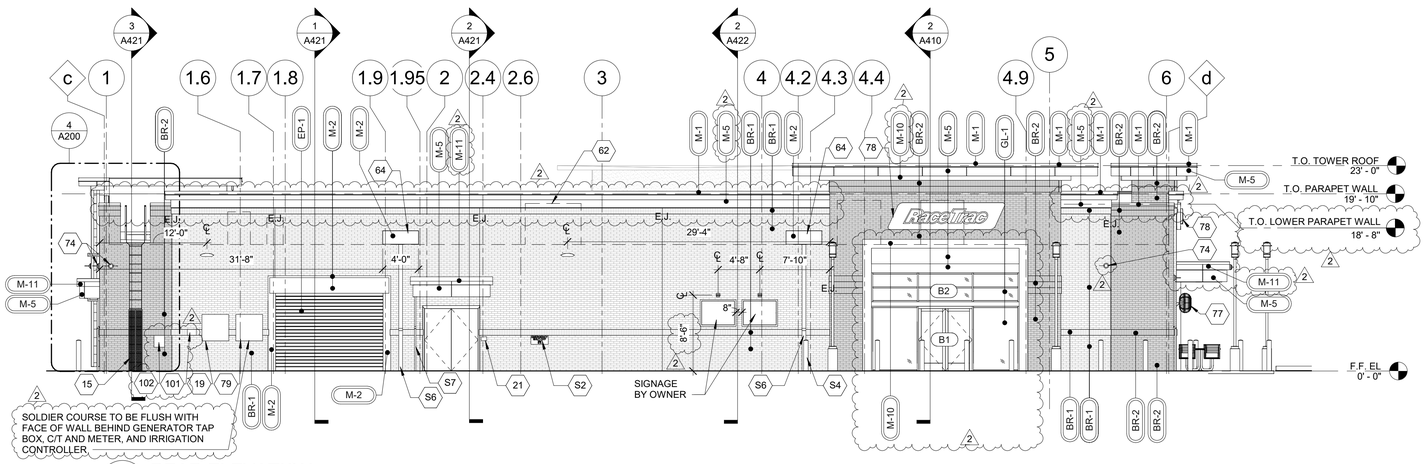
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A201



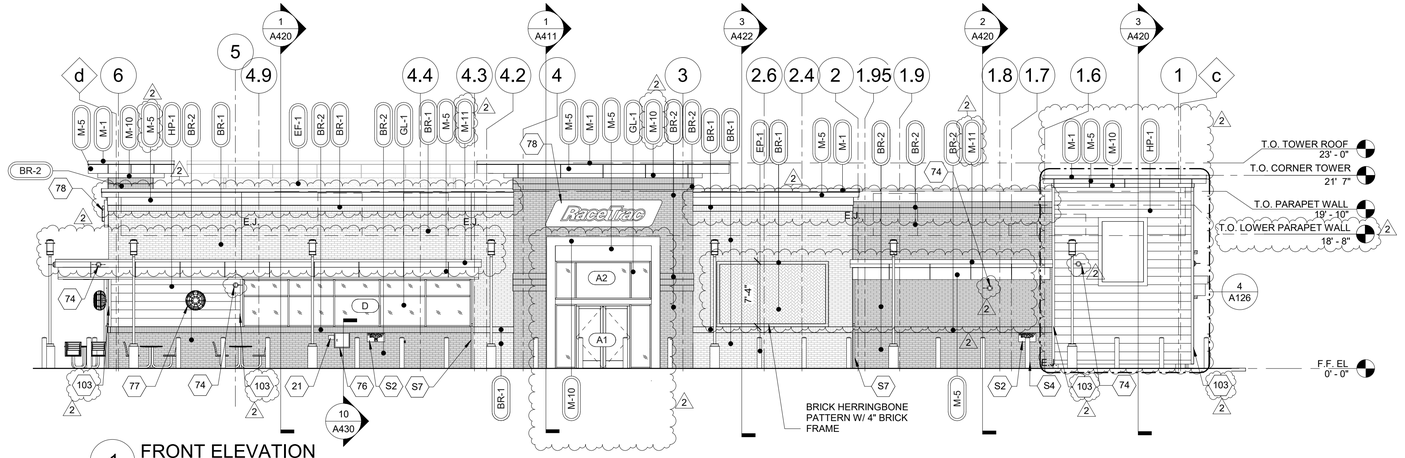
4 LEFT ELEVATION
1/8" = 1'-0"



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



2 REAR ELEVATION
1/8" = 1'-0"



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

EXTERIOR MATERIAL SCHEDULE

BRICK			
BR-1	US BRICK	LAREDO	MORTAR COLOR "LIGHT BUFF"
BR-2	US BRICK	MOUNT RUSHMORE	MORTAR COLOR "LIGHT BUFF"
CEMENT BOARD			
HP-1	JAMES HARDIE	SMOOTH LAP BOARD SIDING	PAINT SHERWIN WILLIAMS SEALSKIN #7675
EIFS			
EF-1	STO	EIFS FASCIA AND SOFFIT	"FINE FINISH" APPLICATION; COLOR TO MARACH SW #6141 "SOFTER TAN"
GLAZING			
GL-1		1" NON-IMPACT RATED INSULATED GLAZING	CLIMATE ZONE 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 + 12 AIRE +1/4" CLEAR) OR APPROVED ALTERNATE
METAL			
M-1		PREFINISHED 4" 2-PIECE COMPRESSION METAL COVER	METAL TO MATCH STOREFRONT COLOR DARK BRONZE
M-2		COLOR DARK BRONZE.	METAL TO MATCH STOREFRONT COLOR DARK BRONZE
M-3	VISTAWALL (OR APPROVED ALTERNATE)	FG-3000 THERMAL MULTIPLANE CENTER STOREFRONT SYSTEM (OR APPROVED ALTERNATE)	PREFINISHED DARK BRONZE ANODIZED ALUMINUM AA-MI2C22A44
M-5	ALCOA	REYNOBOND PE	COLORWELD 500 "CLASSIC BRONZE"
M-7	JAMES HARDIE	SMOOTH NON-VENTED SOFFIT PANEL	PAINT SHERWIN WILLIAMS SEALSKIN #7675
M-10	ALCOA	REYNOBOND PE	RED
M-11	ALCOA	REYNOBOND PE	HYB BLUE
PAINT			
EP-1	SHERWIN WILLIAMS	EXTERIOR PAINT TO SW #7020 "BLACK FOX"	
EP-11	SHERWIN WILLIAMS	RACETRAC EXTERIOR BLUE (CUSTOM COLOR MIX: PRO INDUSTRIAL ACRYLIC SEMI-GLOSS BASE: B66T01154 (W1-WHITE) (14) 1/32 OZ., (1) 1/64 OZ. PER GALLON; (B-1 BLACK) (7) 1/32 OZ., (15) 1/32 OZ., (1) 1/64 OZ. PER GALLON; (R-3 MAGENTA) (2) FULL OZ., (26) 1/32 OZ. PER GALLON.	PRO INDUSTRIAL ACRYLIC SEMI-GLOSS
TREX			
TX-1	SELECT COMPOSITE	1/2" THICKNESS	WOODLAND BROWN
WINDOW FILM			
WF-1	..	WINDOW FILM; 3M PRESTIGE 70 SOLAR FILM	
WF-2	..	2-NGS CUSTOM COLOR - MATCH VINLY FILM TO PMS 485 FOR 1ST SURFACE	

APPROVED SUBSTITUTIONS

FL STORES ONLY:

HP-1	NICHIHA	NICHIBOARD PLANK SMOOTH LAP SIDING (FL# 12098.1)	PAINT SHERWIN WILLIAMS SEALSKIN #7675 (ALL OPTIONS)
FOR ALL OTHER STORES:			
HP-1	NICHIHA	NICHIBOARD PLANK SMOOTH LAP SIDING	
	LP SMARTSIDE	STRAND SUBSTRATE SMOOTH LAP AND PANEL SIDING	
M-7	VERSATEX	WP4 TONGUE AND GROOVE	PAINT SHERWIN WILLIAMS SEALSKIN #7675 (ALL OPTIONS)
	NICHIHA	NICHISOFFIT SMOOTH NON-VENTED SOFFIT PANEL	

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 'PRECAST WHITE' 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 JOIST AND BEAM BEARING AND FOUNDATIONS.
7. REFER TO REFLECTED CEILING PLANS FOR COMPLETE DIMENSIONS OF ACM JOINT LOCATIONS.

SHEET KEYNOTES

15	PAINTED STEEL ROOF LADDER INSTALL BY GC; REF ROOF PLAN DETAILS AND WALL SECTIONS
19	GENERATOR TAP BOX; REF ELECTRICAL FOR LOCATION
21	INTERCOM CALL STATION RECESSED INTO EXTERIOR FINISH; REF ELECTRICAL FOR MORE INFORMATION
62	ROOF TOP UNIT; REF MECHANICAL DRAWINGS FOR UNIT INFORMATION; REF ROOF DETAILS FOR CURB CONDITIONS
64	4' WIDE X 16" HIGH METAL SCUPPER, CONDUCTOR HEAD, GUTTER, AND DOWNSPOUT BELOW AS DETAILED ON SHEET A201. REF. EXTERIOR ELEVATIONS FOR DIMENSIONS
68	8" WIDE X 4" HIGH OVERFLOW SCUPPER
74	WALL MOUNTED SECURITY CAMERA
76	PACKAGE PASSER; REF EQUIPMENT PLAN
77	PATIO FAN; REF SPECS
78	ILLUMINATED SIGN PANEL BY OWNER
79	ELECTRICAL C/T AND METER
81	OIL FILL BOX TO BE INSTALLED BY VENDOR
101	IRRIGATION CONTROLLER. REF. ELECTRICAL. MOUNT AT 48" ABOVE SIDEWALK TO BOTTOM.
102	OIL/WATER SEPARATOR ALARM. REF. ELECTRICAL. MOUNT AT 48" ABOVE SIDEWALK TO TOP.
103	1-1/2" x 3-1/2" SMOOTH FIBER CEMENT TRIM. INSTALL PER MANUF. RECOMMENDATION
S2	EMERGENCY SHUTOFF SWITCH; MOUNT TOP OF SIGN AT 48" ABOVE SIDWALK; REF. DETAIL ON SHEET A101
S4	STEEL BOLLARD. REF DETAIL ON SHEET A101
S6	5"X5" DOWNSPOUT, TIE TO UNDERGROUND STORM, SEE CIVIL FOR CONTINUATION
S7	4"X4" DOWNSPOUT, TIE TO UNDERGROUND STORM, SEE CIVIL FOR CONTINUATION; REF. DETAIL ON SHEET A101

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PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET AS 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
JOHN P. FRANK
CERTIFICATE NO. PA010251
REGISTERED ARCHITECT
05/16/22

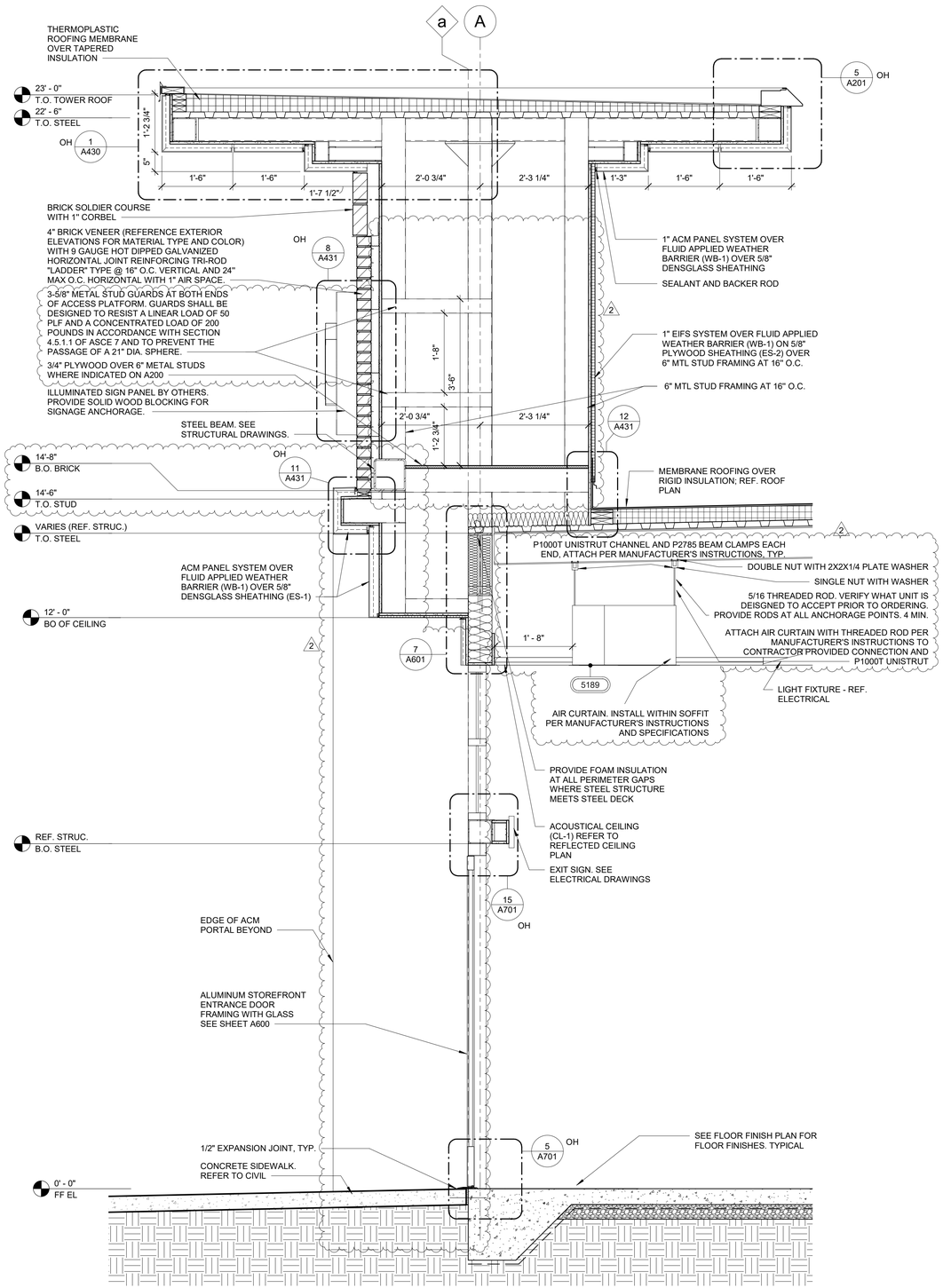
PROJECT NUMBER 63200243

SHEET TITLE

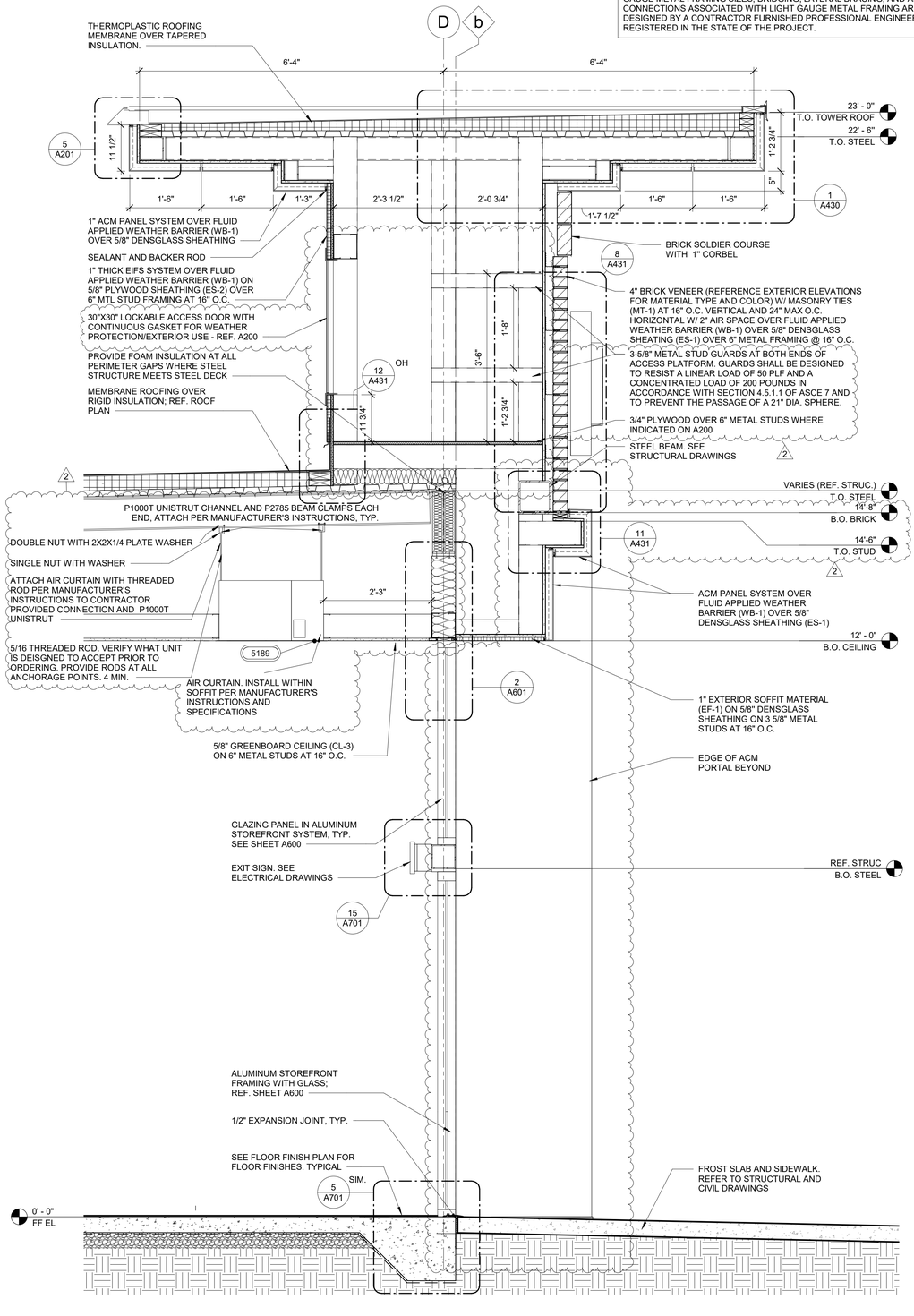
EXTERIOR ELEVATIONS

SHEET NUMBER

A300



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



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

NOTE: WHERE LIGHT GAUGE METAL FRAMING IS SHOWN IN THE ARCHITECTURAL DRAWINGS, PER* SHOP DRAWING NOTE* #1 AND #5 ON SHEET S000, ALL LIGHT GAUGE METAL FRAMING SIZES, BRIDGING, LATERAL BRACING, AND ALL CONNECTIONS ASSOCIATED WITH LIGHT GAUGE METAL FRAMING ARE TO BE DESIGNED BY A CONTRACTOR FURNISHED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

INCORPORATED SPB - 2021_0501; 2021_0505; 2021_0507

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294

4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA015271
REGISTERED ARCHITECT

05/16/22

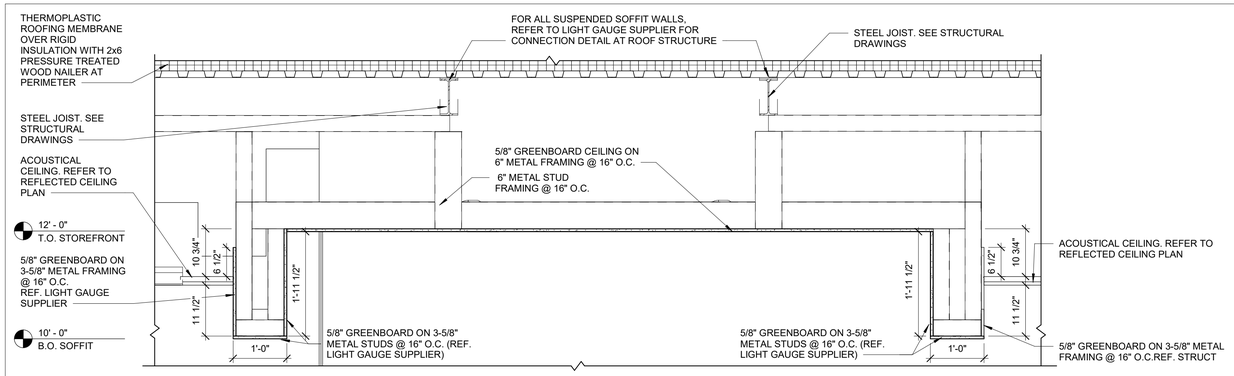
PROJECT NUMBER 63200243

SHEET TITLE

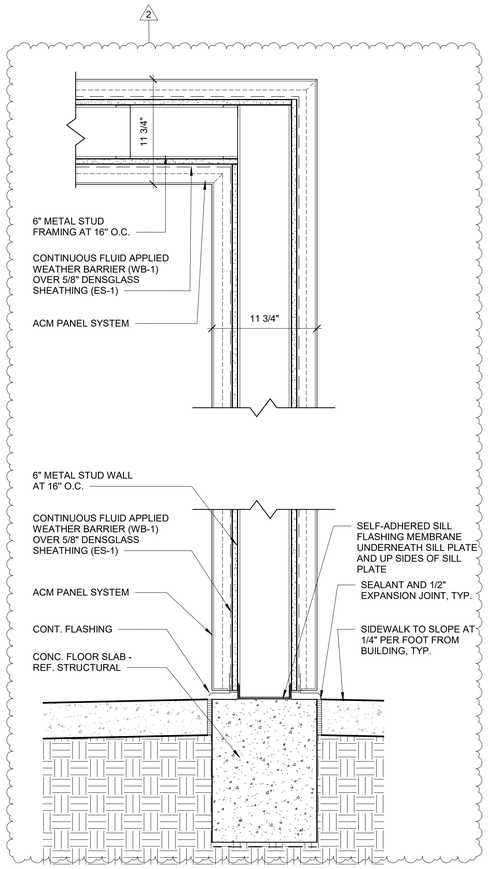
WALL SECTIONS

SHEET NUMBER

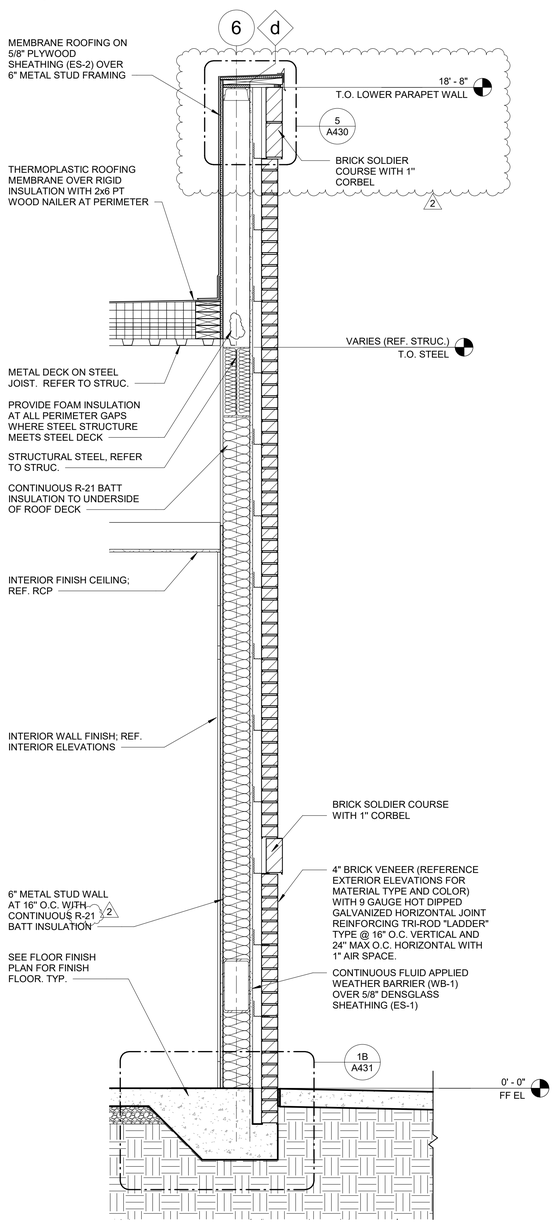
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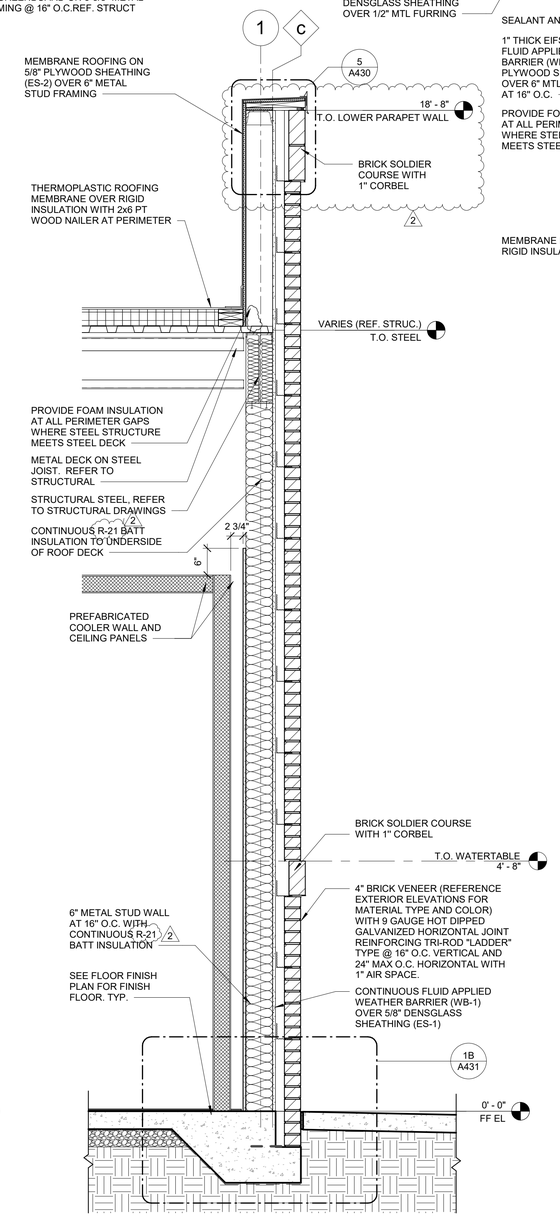
4 SALES AREA CROSS SECTION
3/4" = 1'-0"



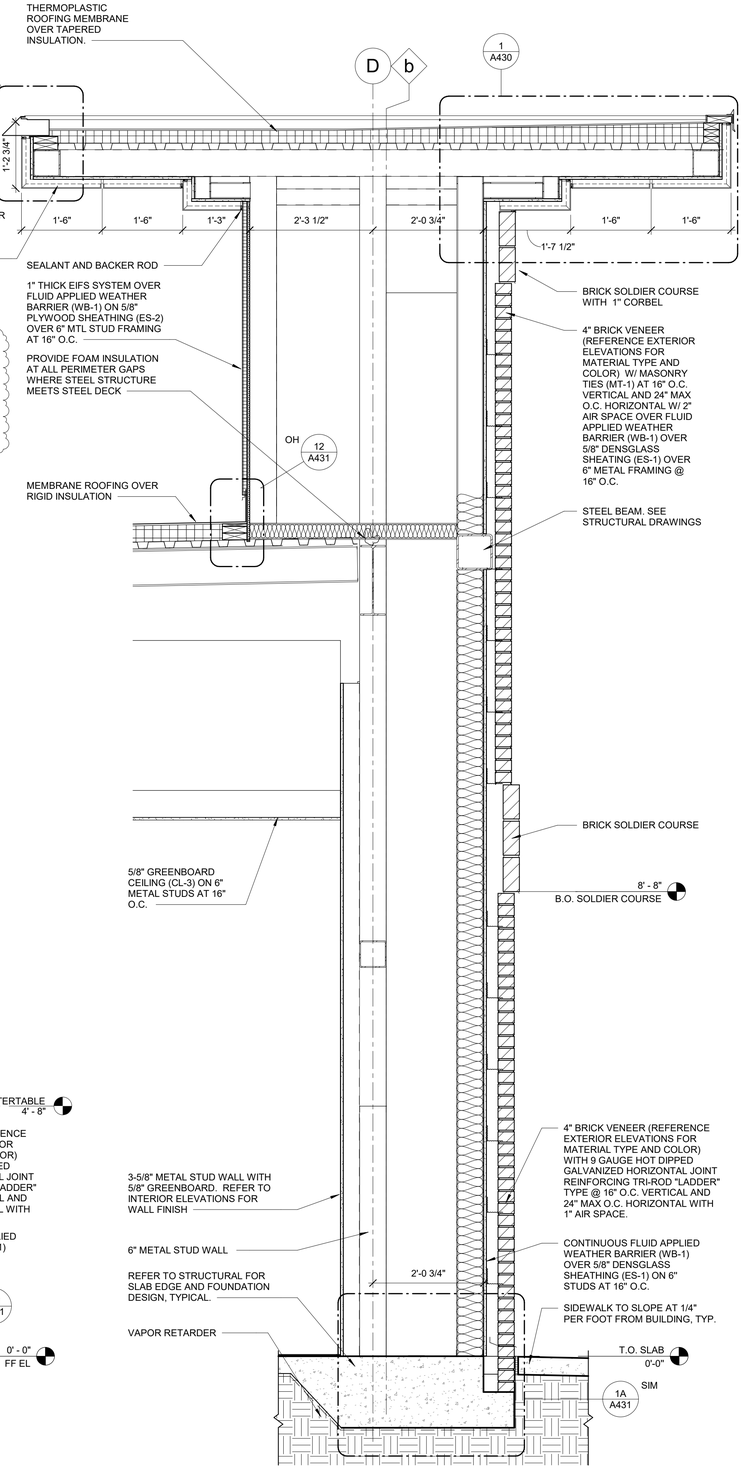
5 WALL SECTION AT PORTAL
1 1/2" = 1'-0"



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



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



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

NOTE: WHERE LIGHT GAUGE METAL FRAMING IS SHOWN IN THE ARCHITECTURAL DRAWINGS, PER "SHOP DRAWING NOTE" #1 AND #5 ON SHEET S000, ALL LIGHT GAUGE METAL FRAMING SIZES, BRIDGING, LATERAL BRACING, AND ALL CONNECTIONS ASSOCIATED WITH LIGHT GAUGE METAL FRAMING ARE TO BE DESIGNED BY A CONTRACTOR FURNISHED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

INCORPORATED SPB - 2021_0503; 2021_0505; 2021_0506; 2021_0507

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA024291
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER 63200243

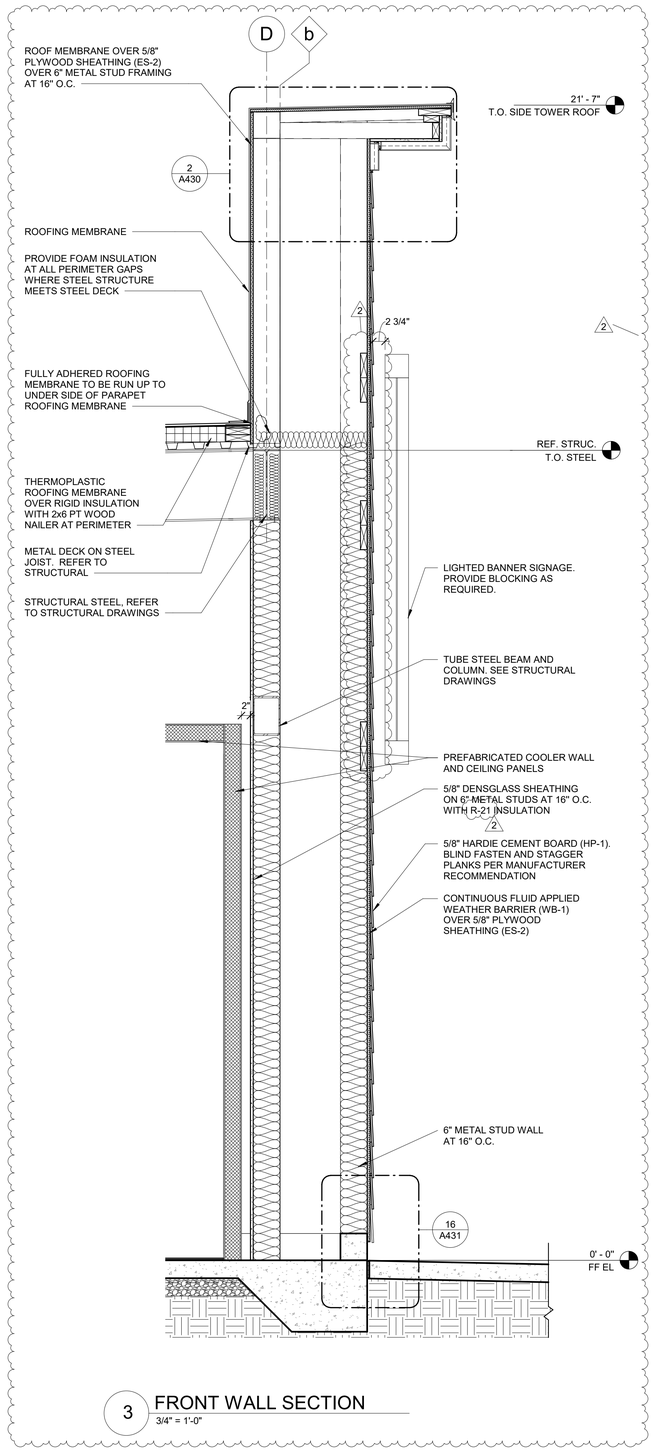
SHEET TITLE

WALL SECTIONS

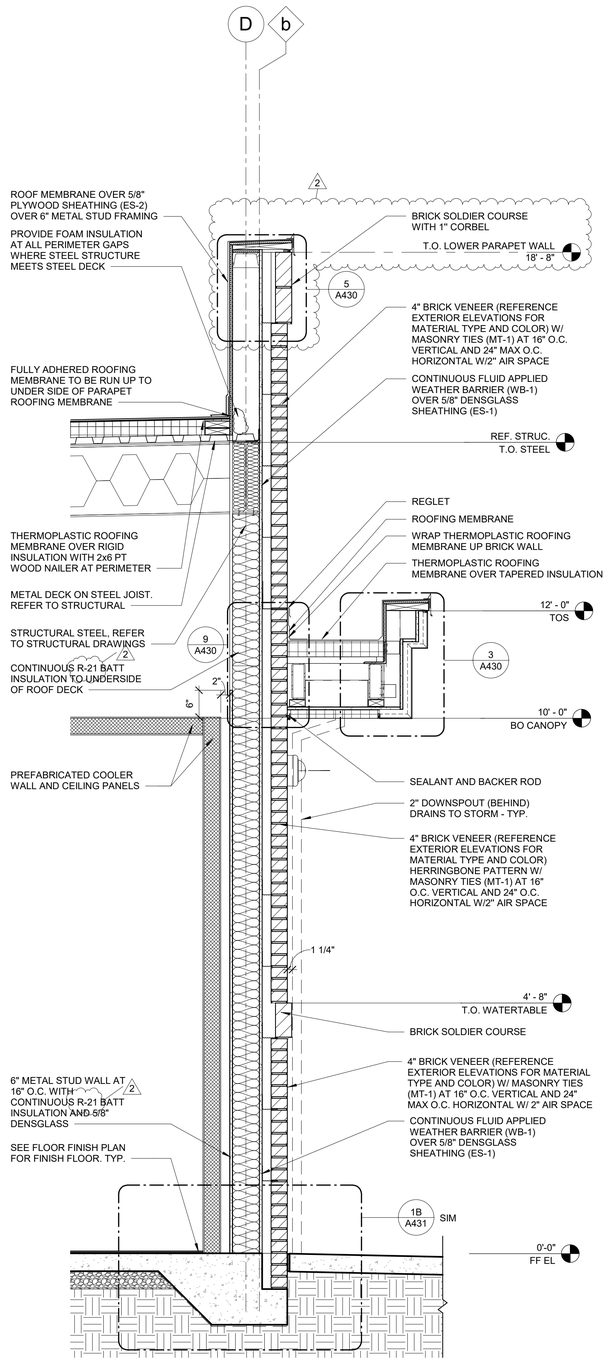
SHEET NUMBER

A411

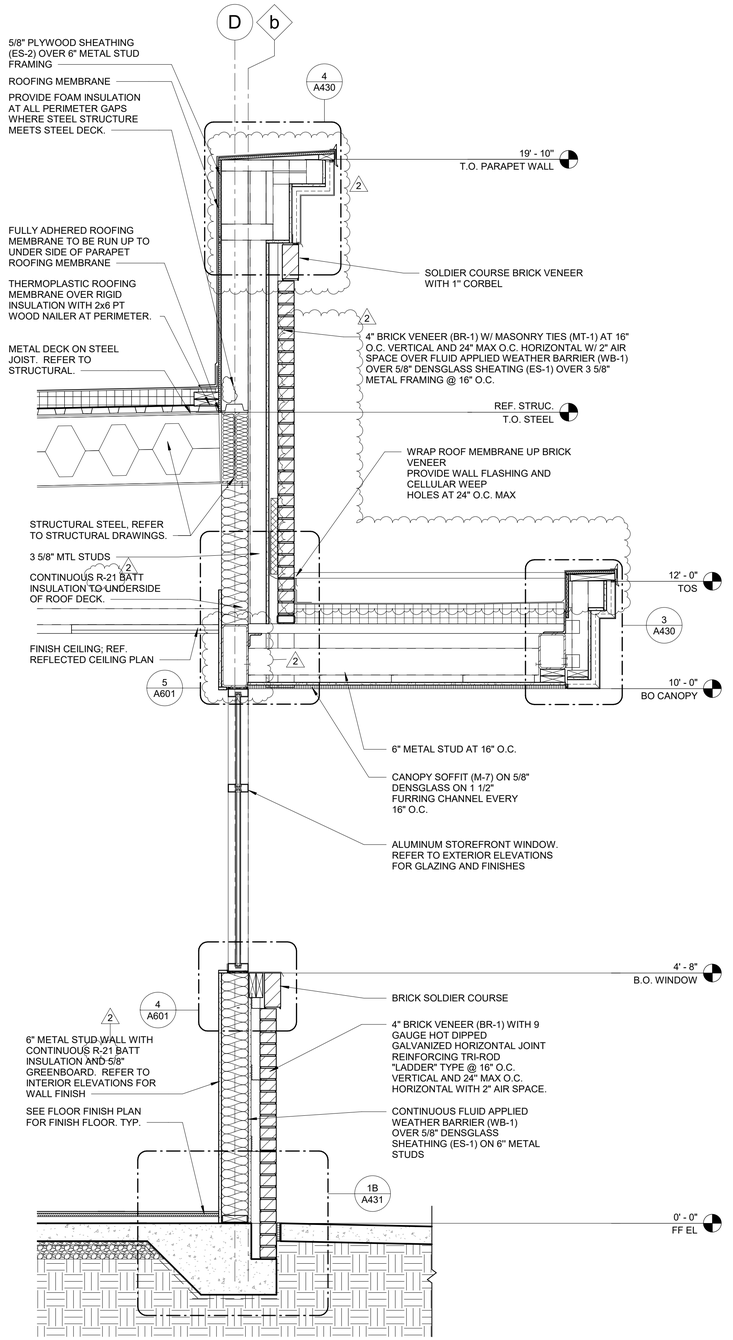
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3 FRONT WALL SECTION
3/4" = 1'-0"



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



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

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DESIGN PROFESSIONALS

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ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER:
CB

CHECKED BY:
JCM

DRAWN BY:
HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. 040000
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

SHEET TITLE

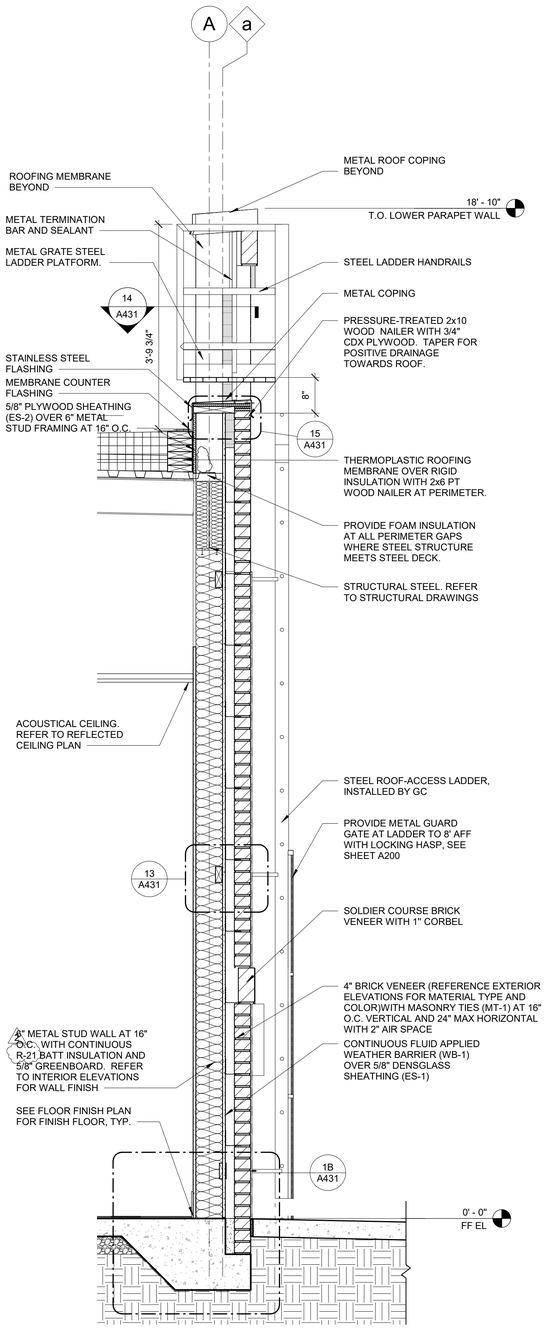
WALL SECTIONS

SHEET NUMBER

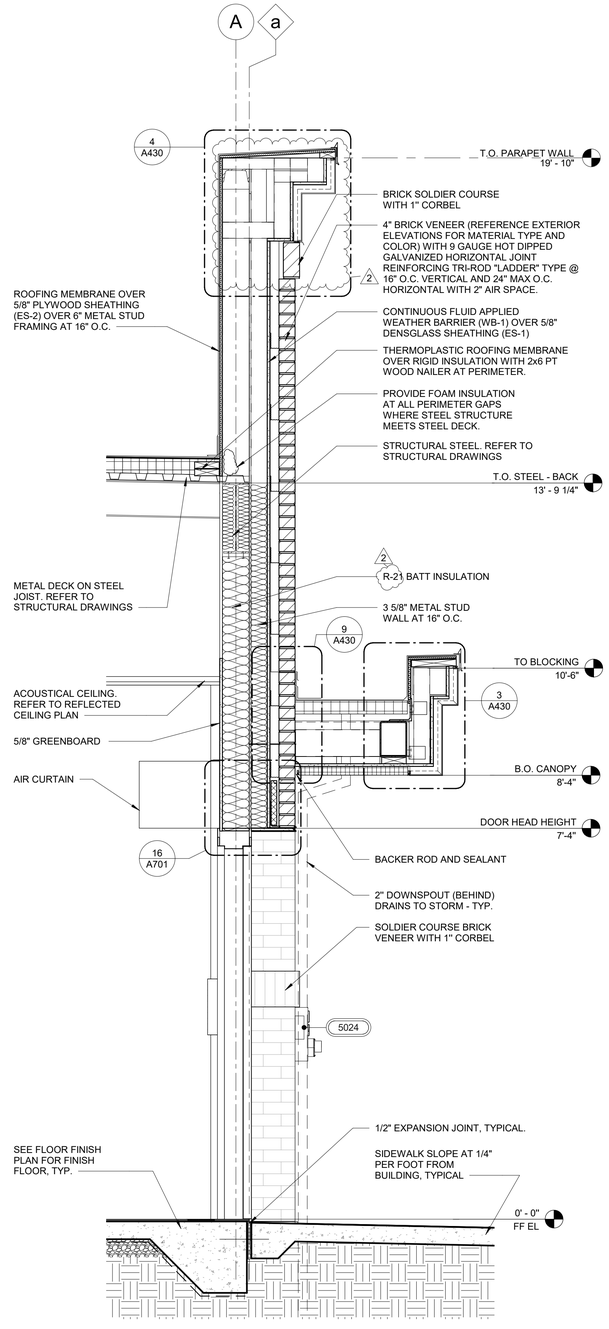
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INCORPORATED SPB - 2021_0503; 2021_0505; 2021_0506; 2021_0507

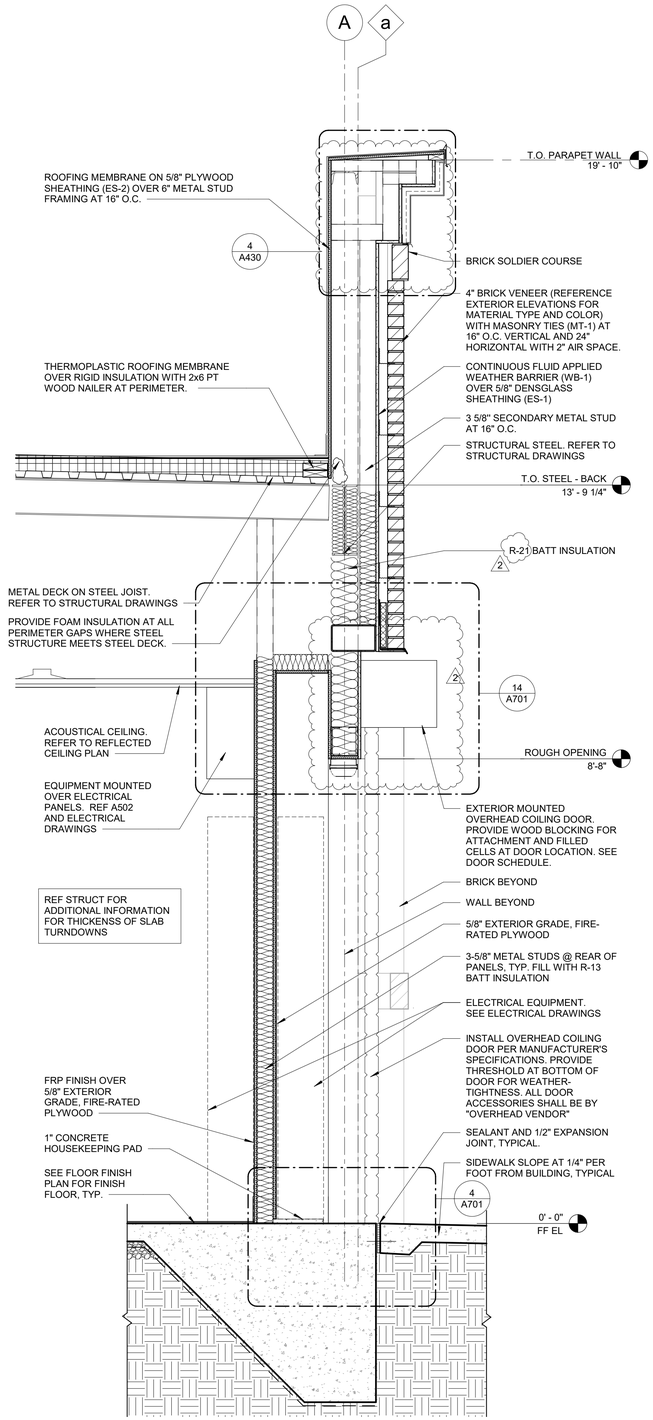
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3 WALL SECTION AT LADDER
3/4" = 1'-0"



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



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

INCORPORATED SPB - 2021_0505; 2021_0506; 2021_0507

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DESIGN PROFESSIONALS

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ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER:
CB

CHECKED BY:
JCM

DRAWN BY:
HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
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11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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

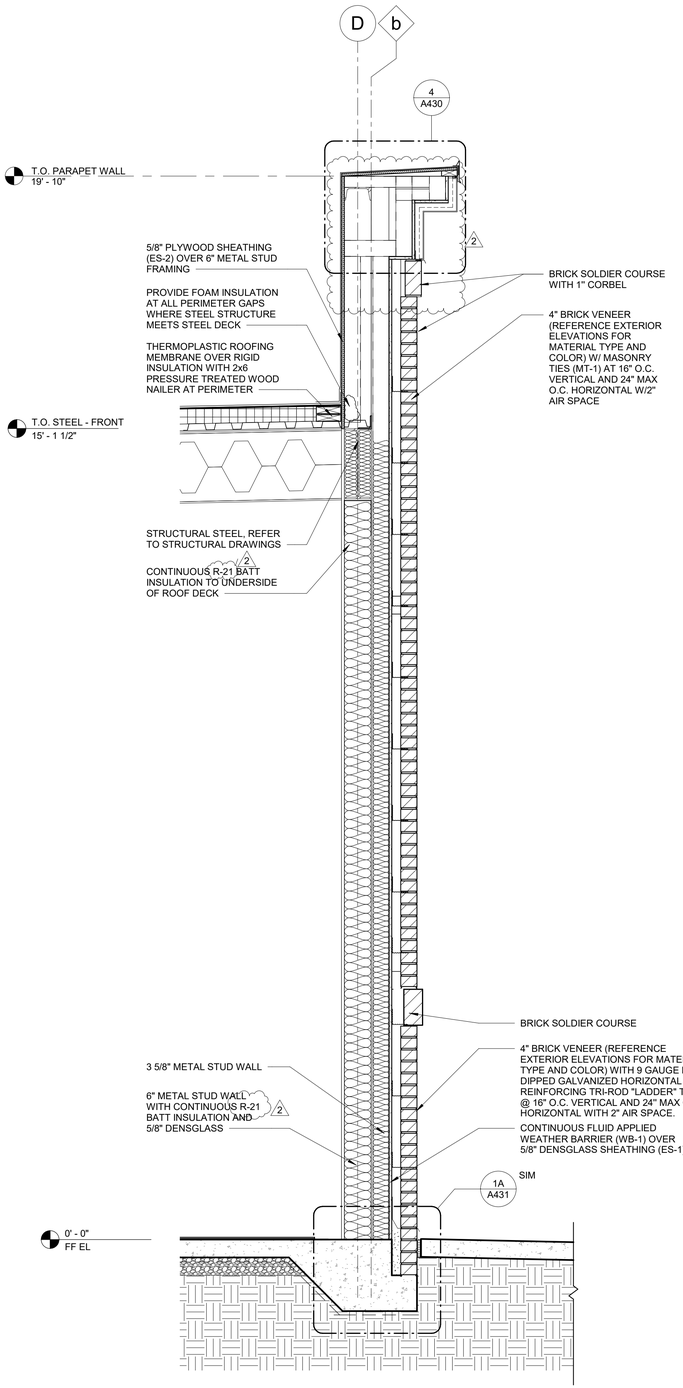
STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA019291
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

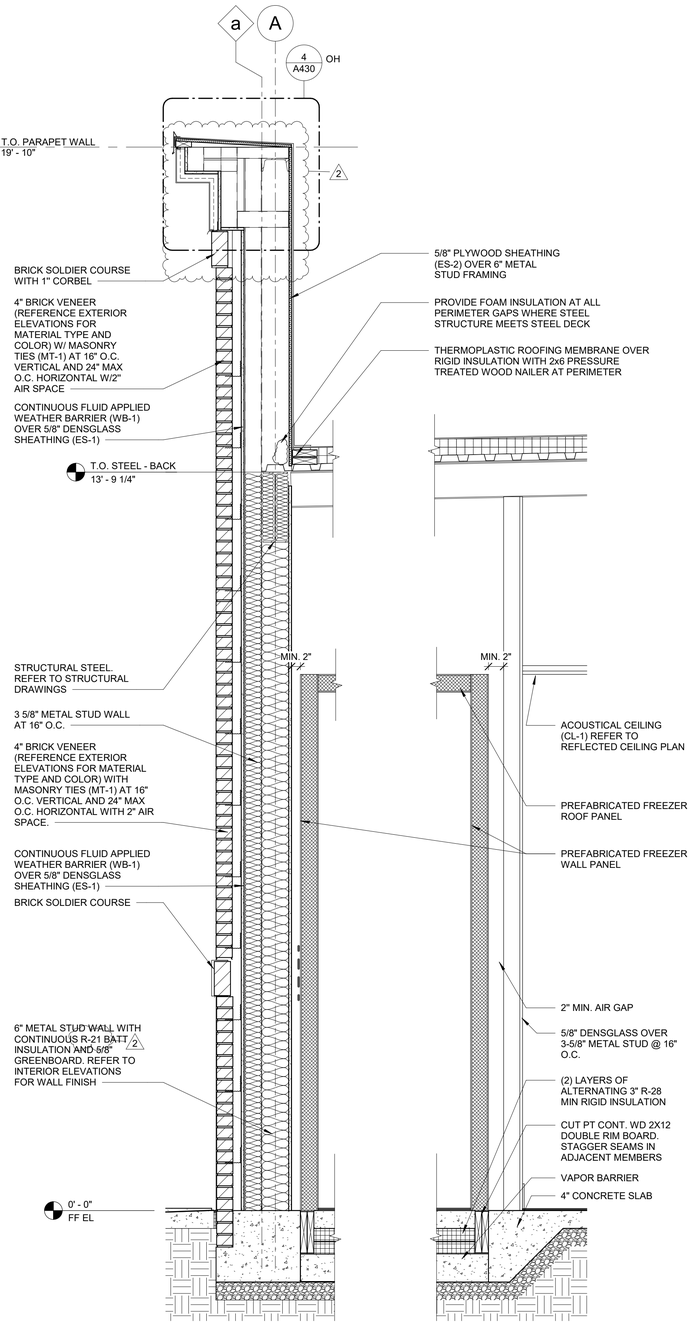
SHEET TITLE
WALL SECTIONS

SHEET NUMBER
A421

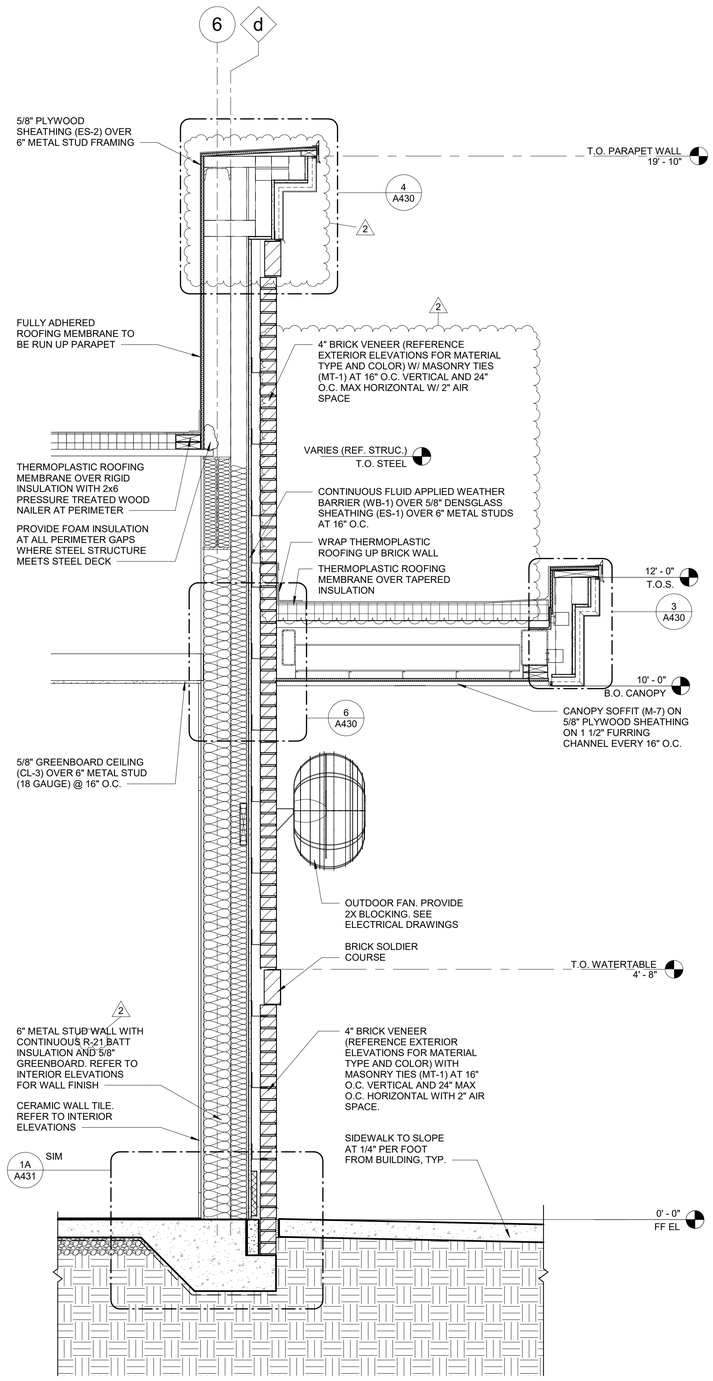
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3 FRONT WALL SECTION
3/4" = 1'-0"



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



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

INCORPORATED SPB - 2021_0503; 2021_0505; 2021_0506; 2021_0507

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER:
CB

CHECKED BY:
JCM

DRAWN BY:
HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
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05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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PROFESSIONAL SEAL

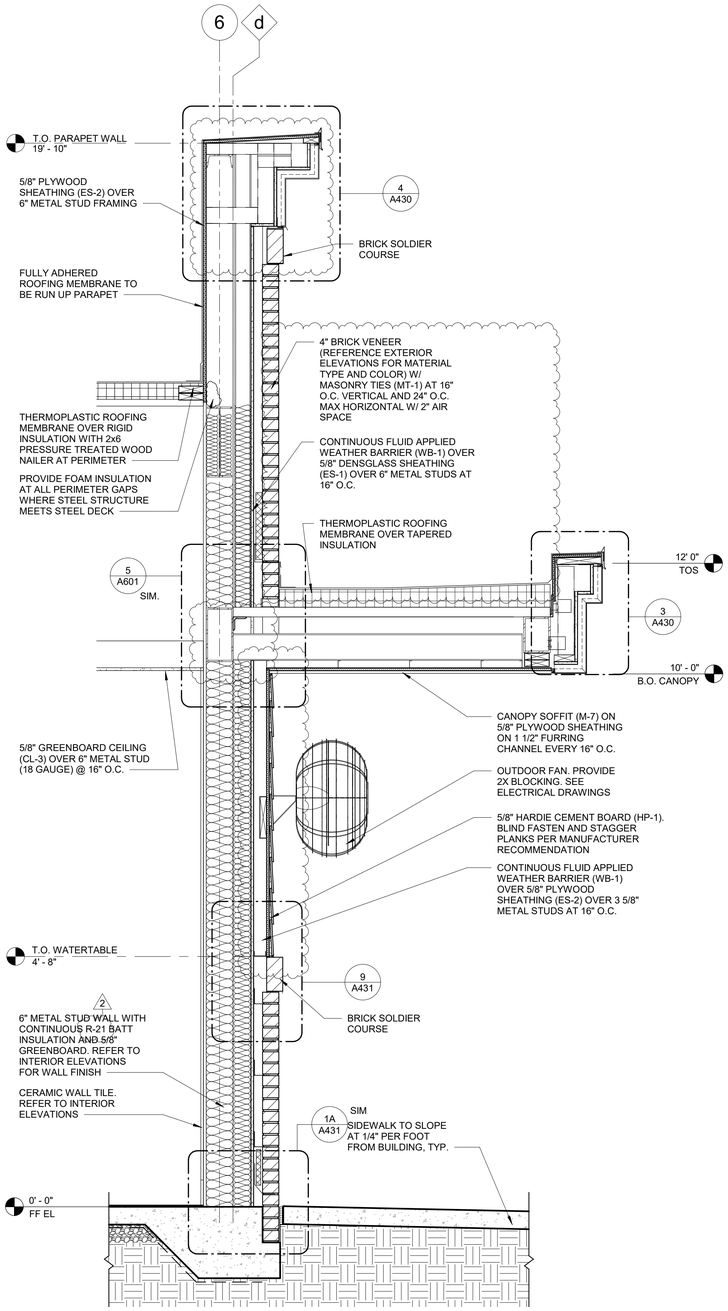
STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA026371
REGISTERED ARCHITECT
05/16/22

PROJECT NUMBER
63200243

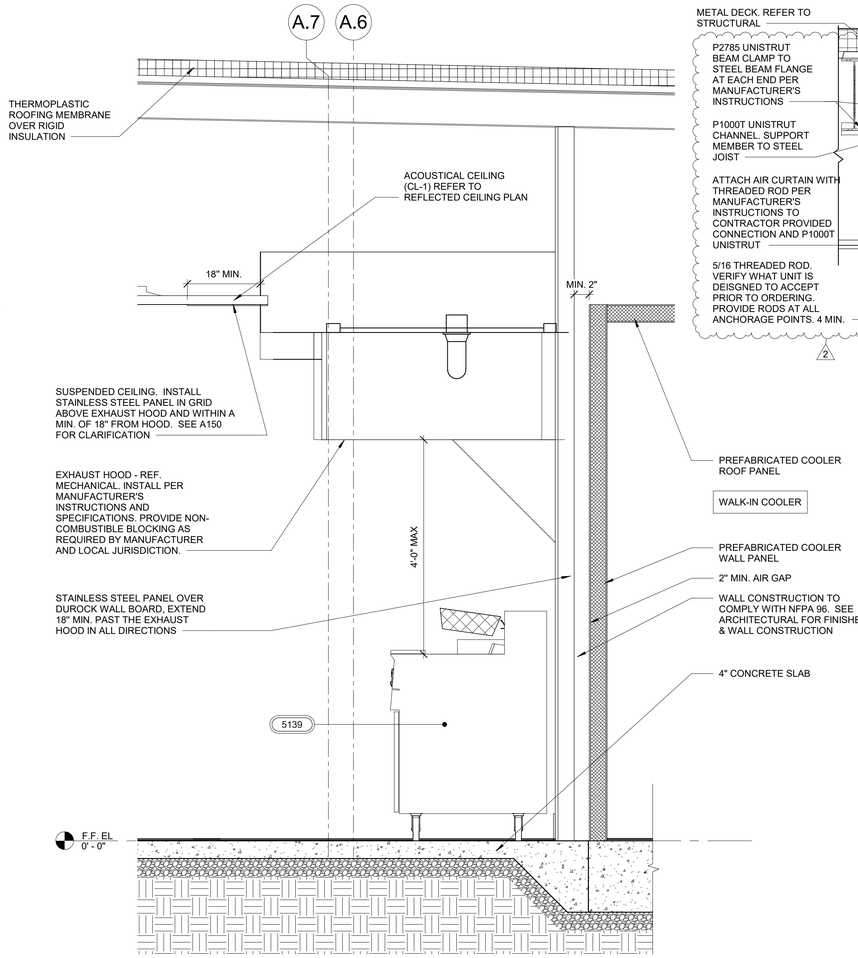
SHEET TITLE
WALL SECTIONS

SHEET NUMBER
A422

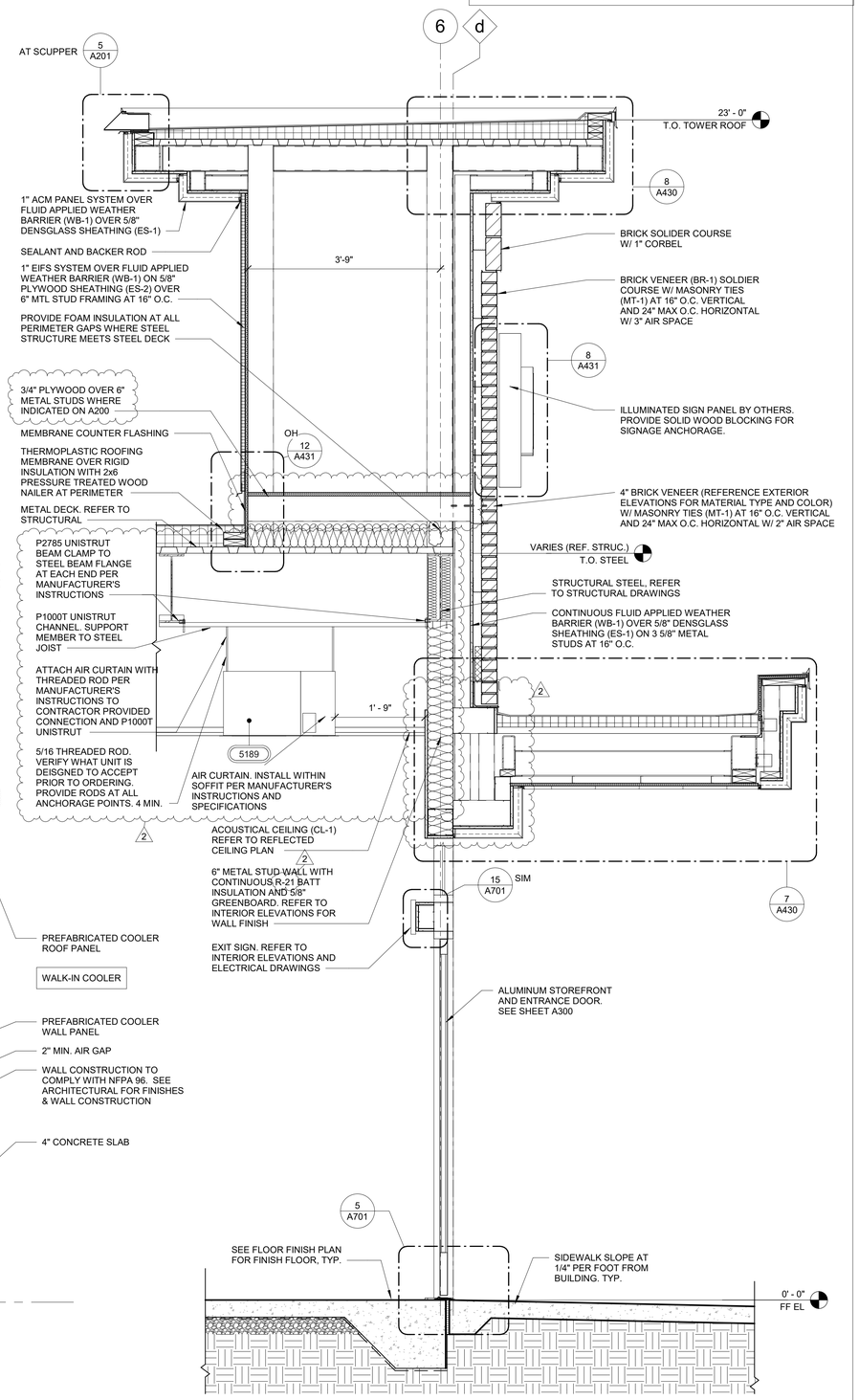
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3 CORNER HARDIE SECTION
3/4" = 1'-0"



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



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

INCORPORATED SPB - 2021_0501; 2021_0503; 2021_0505; 2021_0507

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DESIGN PROFESSIONALS

brr

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8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER:
CB

CHECKED BY:
JCM

DRAWN BY:
HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294

4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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PROFESSIONAL SEAL



05/16/22

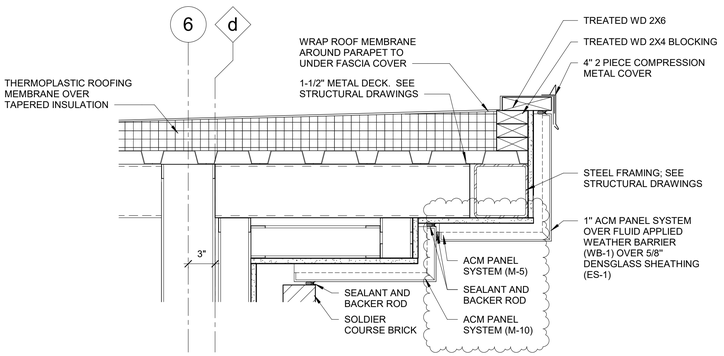
PROJECT NUMBER
63200243

SHEET TITLE

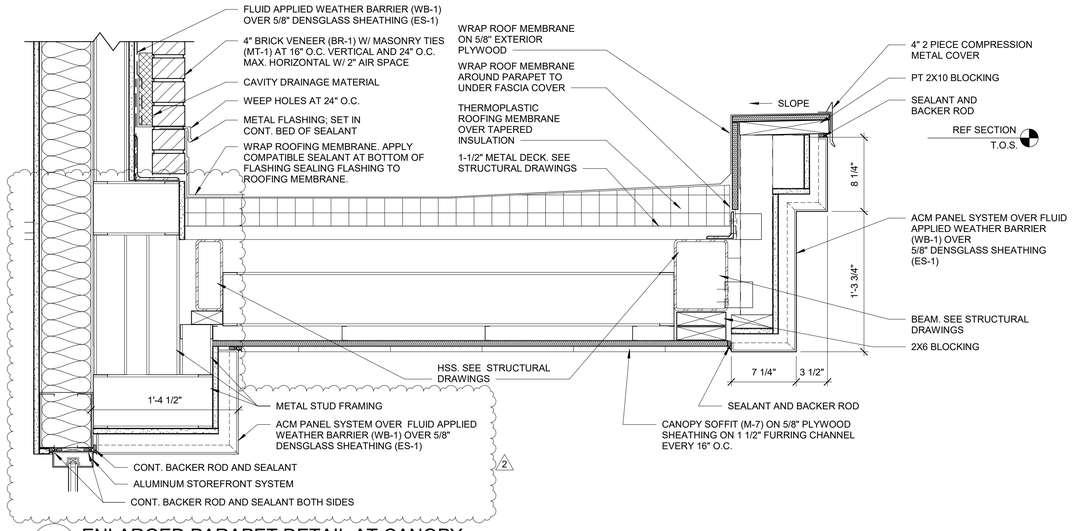
WALL SECTIONS

SHEET NUMBER

A423

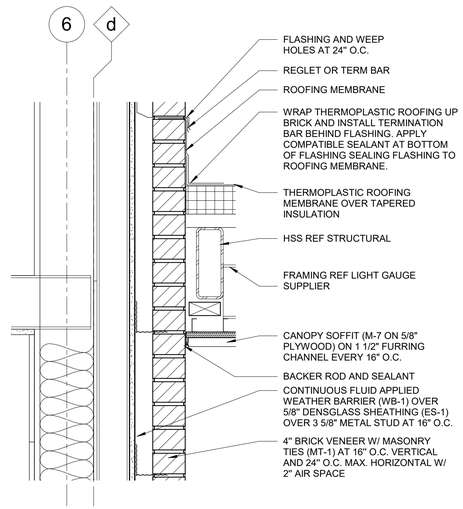


8 ENLARGED PARAPET AT SIDE ENTRANCE
1 1/2" = 1'-0"

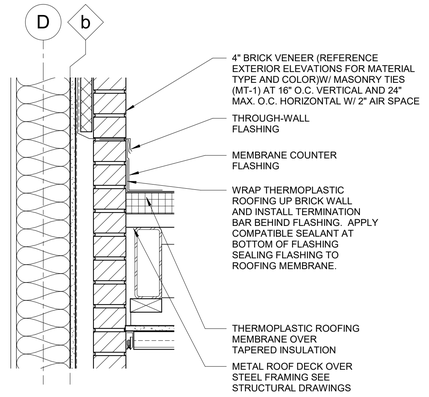


7 ENLARGED PARAPET DETAIL AT CANOPY
1 1/2" = 1'-0"

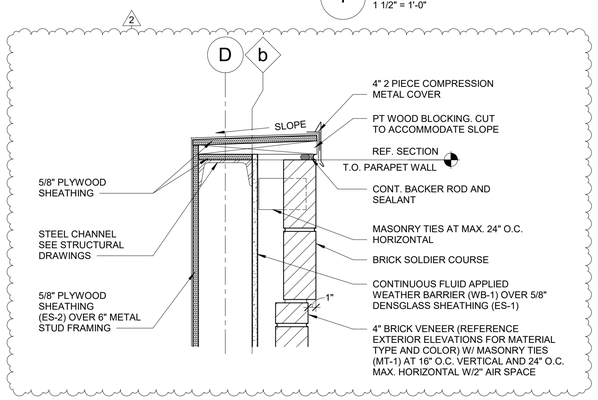
NOTE: WHERE LIGHT GAUGE METAL FRAMING IS SHOWN IN THE ARCHITECTURAL DRAWINGS, PER"SHOP DRAWING NOTE" #1 AND #5 ON SHEET S000, ALL LIGHT GAUGE METAL FRAMING SIZES, BRIDGING, LATERAL BRACING, AND ALL CONNECTIONS ASSOCIATED WITH LIGHT GAUGE METAL FRAMING ARE TO BE DESIGNED BY A CONTRACTOR FURNISHED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.



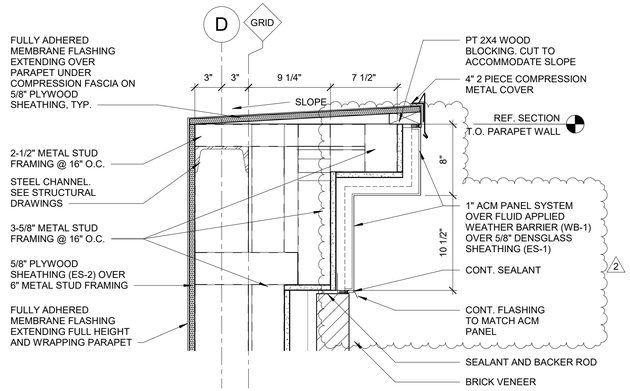
6 TYPICAL PATIO FASCIA DETAIL
1 1/2" = 1'-0"



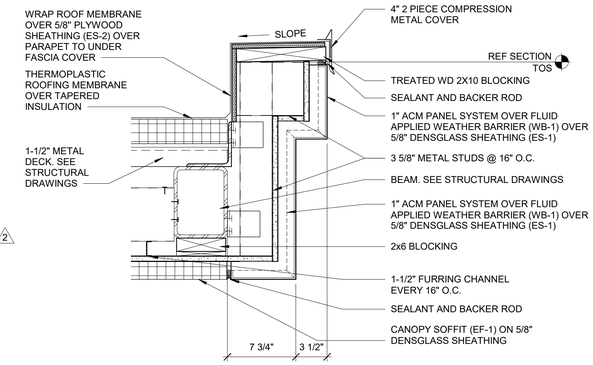
9 CANOPY FLASHING DETAIL
1 1/2" = 1'-0"



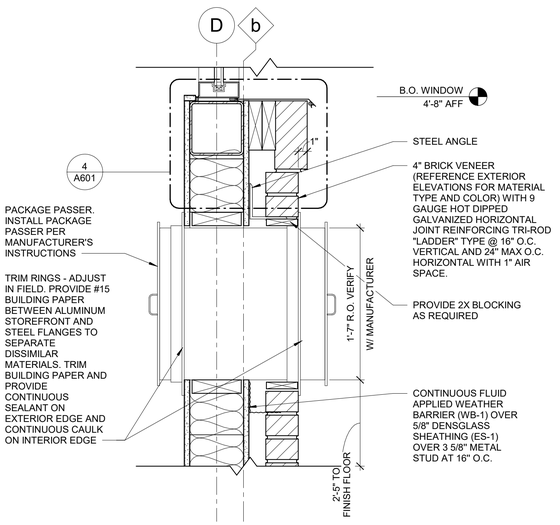
5 ENLARGED PARAPET COPING DETAIL
1 1/2" = 1'-0"



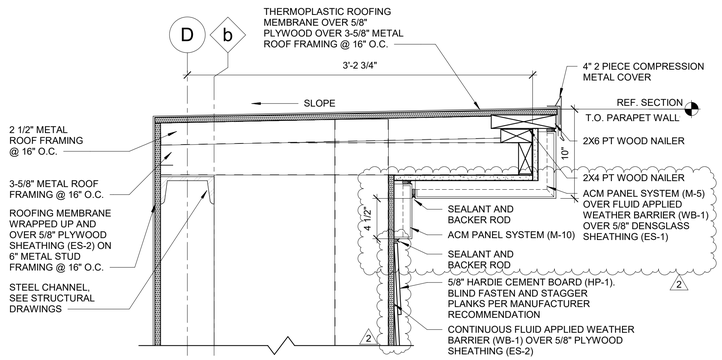
4 TYPICAL EIFS CORNICE
1 1/2" = 1'-0"



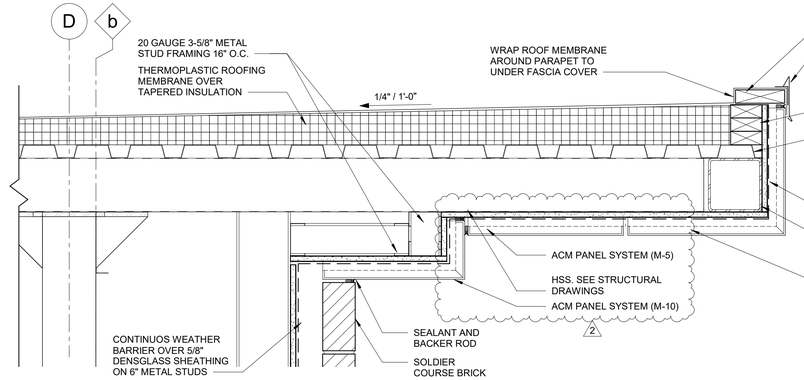
3 ENTRY CANOPY FASCIA DETAIL
1 1/2" = 1'-0"



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



2 ENLARGED PARAPET AT CORNER TOWER
1 1/2" = 1'-0"



1 ENLARGED PARAPET AT STOREFRONT
1 1/2" = 1'-0"

INCORPORATED SPB - 2021_0505; 2021_0506; 2021_0507

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DESIGN PROFESSIONALS

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PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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



05/16/22

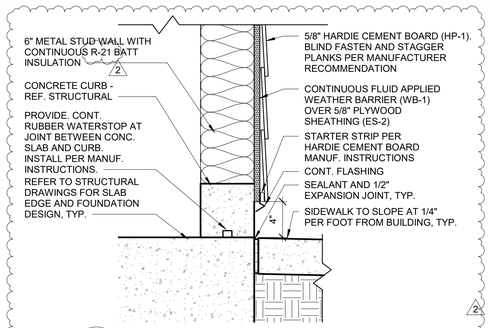
PROJECT NUMBER 63200243

SHEET TITLE

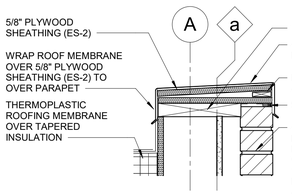
DETAILS

SHEET NUMBER

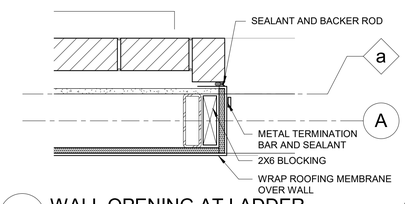
A430



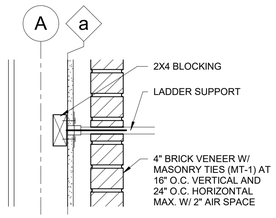
16 CORNER TOWER DETAIL
1 1/2" = 1'-0"



15 PARAPET AT ACCESS LADDER
1 1/2" = 1'-0"

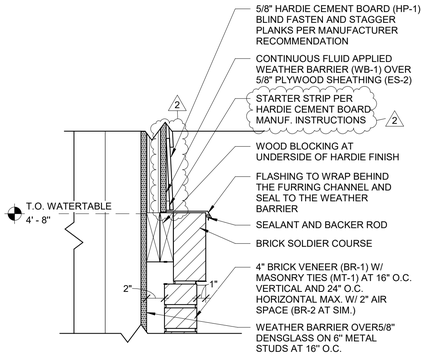


14 WALL OPENING AT LADDER
1 1/2" = 1'-0"

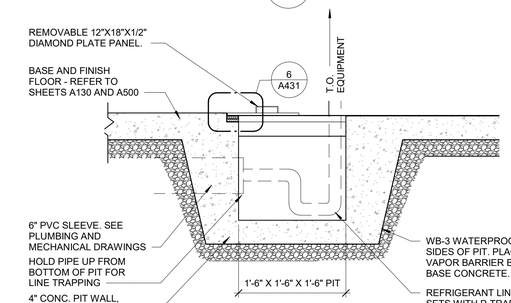


13 LADDER BLOCKING DETAIL
1 1/2" = 1'-0"

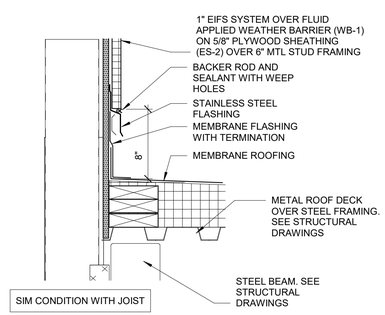
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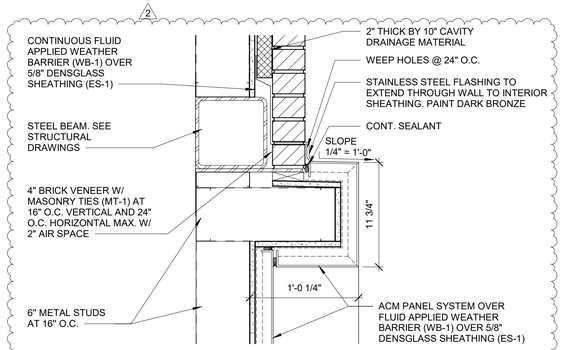
9 SILL DETAIL
1 1/2" = 1'-0"



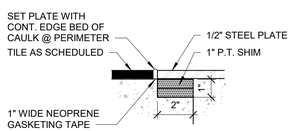
10 PIT SECTION AT SALES FLOOR DETAIL
1" = 1'-0"



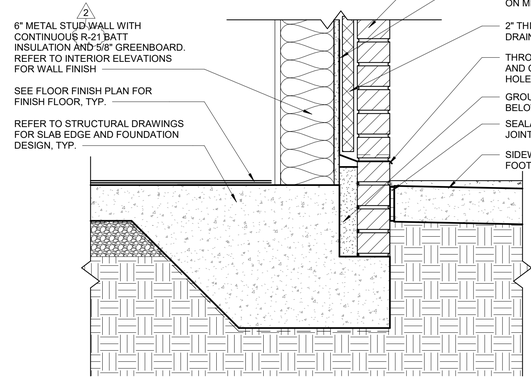
12 ENLARGED FLASHING DETAIL
1 1/2" = 1'-0"



11 ENLARGED FLASHING DETAIL
1 1/2" = 1'-0"



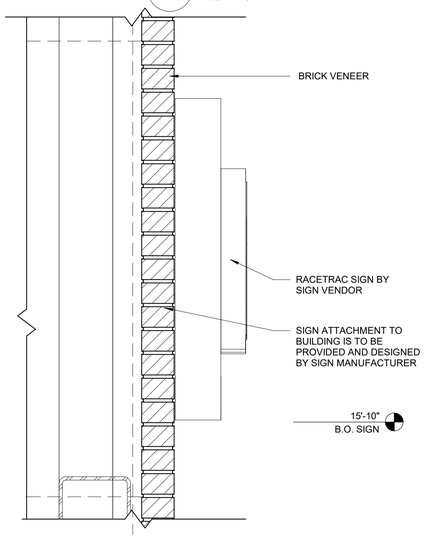
6 PIT EDGE DETAIL
3" = 1'-0"



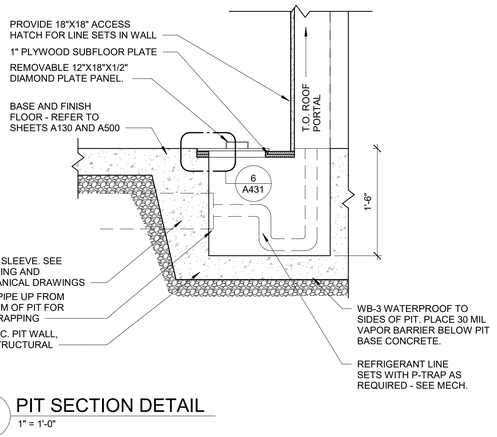
1B TYPICAL FOUNDATION
1 1/2" = 1'-0"

SIM CONDITION WITH COOLER PANEL

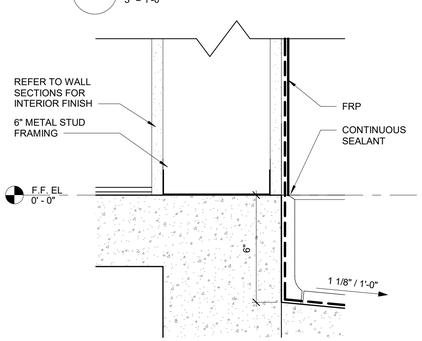
AT SINGLE EXTERIOR STUD WALL



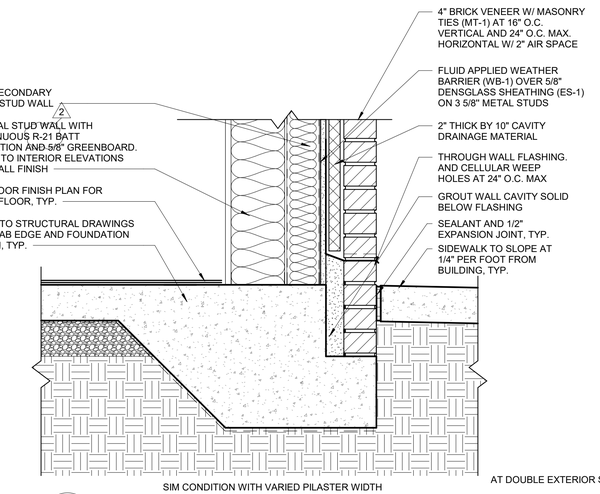
8 TOWER SIGNAGE DETAIL
1 1/2" = 1'-0"



7 PIT SECTION DETAIL
1" = 1'-0"



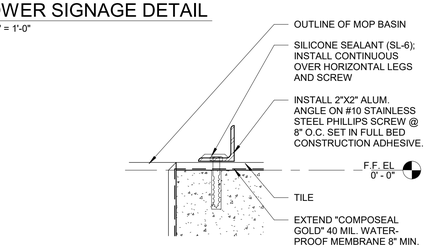
5 ENLARGED SECTION DETAIL
3" = 1'-0"



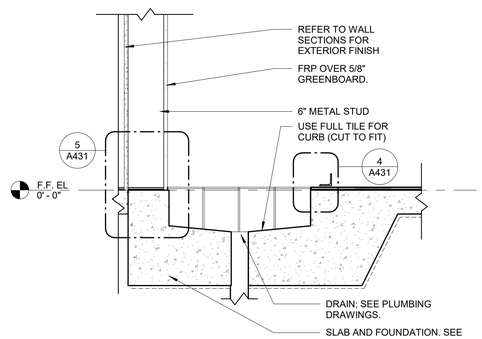
SIM CONDITION WITH VARIED PILASTER WIDTH

AT DOUBLE EXTERIOR STUD WALL

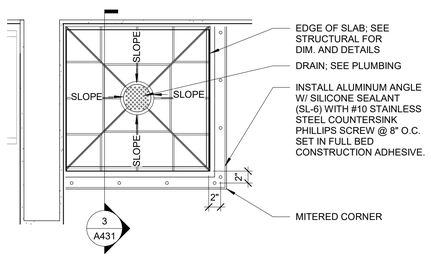
1A TYPICAL FOUNDATION
1 1/2" = 1'-0"



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



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



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

INCORPORATED SPB - 2021_0505; 2021_0506; 2021_0507

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DESIGN PROFESSIONALS

brr

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PROJECT MANAGER:
CB

CHECKED BY:
JCM

DRAWN BY:
HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21

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



05/16/22

PROJECT NUMBER
63200243

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 G-1
B-3	ROPPE	2 1/2" VINYL WALL BASE - 100 BLACK	-	STANDARD 1/8" THICKNESS, STANDARD TOE BASE
B-13	DALTILE	6"X12" VOLUME 1 COVE BASE - ACCENT BROWN - VL78 P-36C9T		GROUT G-1
B-14	DALTILE	1"X6" VOLUME 1 COVE BASE - ACCENT BROWN STD - VL78 OUTSIDE CORNER	-	GROUT G-1
B-15	DALTILE	6"X12" COVE BASE VL72 - INTENSITY PEBBLE STD	-	GROUT G-1
B-16	DALTILE	1"X6" COVE BASE OUTSIDE CORNER - VL72 INTENSITY PEBBLE STD		GROUT G-1
B-17	DALTILE	1"X6" DB TEXTURES - ASHEN GRAY STD - QCL3565U 0T03	-	GROUT G-1
B-18	DALTILE	1"X6" DB TEXTURES - ASHEN GRAY STD - QCR3565U 0T03	-	GROUT G-1
B-19	DALTILE	6"X12" COVE BASE - VOLUME 1 - VL 70 AMPLIFY BLACK		GROUT G-1
B-20	DALTILE	1"X6" COVE BASE OUTSIDE CORNER - VOLUME 1 - VL 70 AMPLIFY BLACK		GROUT G-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 DEVELOPED INDEX 50 OR LESS.
CL-2	ARMSTRONG	24"x48" #793 GEORGIAN - HIGH WASHABILITY	WHITE	15/16" WHITE GRID; ASTM E84 FLAME SPREAD INDEX 25 OR LESS, SMOKE DEVELOPED INDEX 50 OR LESS.
CL-3	--	5/8" GREENBOARD WITH PAINTED FINISH	-	GYPSUM BOARD SELECTED MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
CL-5	ARMSTRONG	24"x48" #870B CLEAN ROOM VL UNPERFORATED - HUMIGUARD PLUS	WHITE	15/16" WHITE GRID; ASTM E84 FLAME SPREAD INDEX 25 OR LESS, SMOKE DEVELOPED 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-7	SHERWIN WILLIAMS	7014 EIDER WHITE	SEMI-GLOSS	GYPSUM BOARD SELECTED FOR INTERIOR FINISHES MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-10	SHERWIN WILLIAMS	7015 REPOSE GREY	SEMI-GLOSS	GYPSUM BOARD SELECTED FOR INTERIOR FINISHES MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT 'CLASS A'
IP-12	SHERWIN WILLIAMS	7017 DORIAN GRAY	SEMI-GLOSS	PAINT BY GC
IP-14	SHERWIN WILLIAMS	RACETRAC RED (CUSTOM COLOR)	EGGSHELL	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-15	SHERWIN WILLIAMS	7018 DOVETAIL	EGGSHELL	PAINT BY GC
TILE				
FT-2	DALTILE	6"X6" QUARRY TEXTURES - ASHEN GRAY - OTO3	-	INSTALLED AT 90 DEGREES WITH 3/8" SPACING; GROUT G-1
FT-10	DALTILE	12"X24" VOLUME 1 - ACCENT BROWN - VL78	-	INSTALL PLANKS IN STRAIGHT STACKED PATTERN; 3/16" GROUT LINE; GROUT G-1
FT-12	DALTILE	12"X24" VOLUME 1 - INTENSITY PEBBLE	-	INSTALL PLANKS IN STRAIGHT STACKED PATTERN WITH OVERLAP NOT TO EXCEED 33%. 3/16" GROUT LINE; GROUT G-1
FT-14	DALTILE	12"X24" VOLUME 1 - AMPLIFY BLACK - VL70		INSTALL PLANKS IN STRAIGHT STACKED PATTERN; 3/16" GROUT LINE; GROUT G-1
WT-5	DALTILE	3"X6" RITTENHOUSE SQUARE - WHITE - 0100	-	INSTALL TILE IN RUNNING BOND PATTERN; 1/8" GROUT LINE; GROUT G-1
WT-7	DALTILE	12"X24" MULTITUDE - ORIGAMI WHITE WAVE - MU16	-	STRAIGHT LAY TILE PATTERN, 1/8" GROUT LINE; GROUT G-4
WT-9	DALTILE	12"X24" VOLUME 1 - REVERB ASH - VL74	-	VERTICAL STRAIGHT STACKED; GROUT G-2; 3/16" GROUT LINE
WT-12	DALTILE	12"X24" VOLUME 1 - SONIC WHITE - VL75		VERTICAL STRAIGHT STACKED; GROUT G-5; 3/16" GROUT LINE
WT-13	DALTILE	12"X24" SHOWSCAPE - CURRANT - SH17		HORIZONTAL STRAIGHT STACKED; GROUT G-6; 3/16" GROUT LINE
WT-14	DALTILE	3"X6" COLOR WHEEL COLLECTION - COBALT BLUE - DM14		HORIZONTAL STRAIGHT STACKED; GROUT G-7; 3/16" GROUT LINE
WALL CLADDING				
FRP-1	MARLITE	P100 WHITE	WHITE	
WALL COVERING				
WC-8	--	COOLER WALL COVERINGS - BUBBLES	-	MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'
WC-9	--	BEER/WINE GRAPHIC WALL COVERING	-	MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'
WC-10	--	WOODGRAIN GRAPHIC WALL COVERING	-	MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'
WC-14	--	SEATING AREA GRAPHIC WALL COVERING	-	MANUFACTURER, PRODUCT LINE, PROVIDED BY RACETRAC; FLAME SPREAD AND SMOKE DEVELOPMENT TO MEET 'CLASS A'
WC-15	--	LAMINATE	WAREHOUSE OAK	BY MILLWORK
WINDOW FILM				
WF-1	--	WINDOW FILM; 3M PRESTIGE 70 SOLAR FILM	-	SEE A600 FOR WINDOW FILM LOCATIONS
WF-2		NGS CUSTOM COLOR - MATCH VINYL FILM TO PMS 485 FOR 1ST SURFACE APPLICATION		SEE A600 FOR WINDOW FILM LOCATIONS
FLASHING/WEEPS				
FL-1	-	STAINLESS STEEL THROUGH WALL FLASHING	COLOR TO MATCH BR-1	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 1-1/4" BUGLE HEAD SCREW
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		
ES-2		5/8" EXT. GRADE CDX PLYWOOD SHEATHING: #10 TEKS SCREW @ 6" O.C.		
MASONRY TIES				
MT-1	HOHMANN & BARNARD, INC.	HB-213 ADJUSTABLE VENEER ANCHOR		BRICK 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-21 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	ULTRACOLOR HIGH PERFORMANCE GROUT - FA #10 BLACK		FLOORS AND WALLS
G-2	MAPEI	ULTRACOLOR HIGH PERFORMANCE GROUT - FA #49 LIGHT ALMOND		USE WITH WT-9
G-4	MAPEI	ULTRACOLOR HIGH PERFORMANCE GROUT - FA #00 WHITE		YOGURT WALLS
G-5	MAPEI	ULTRACOLOR HIGH PERFORMANCE GROUT - FA #111 SILVER GREY		USE WITH WT-12
G-6	MAPEI	ULTRACOLOR HIGH PERFORMANCE GROUT - FA #165 CHERRY RED		USE WITH WT-13
G-7	MAPEI	ULTRACOLOR HIGH PERFORMANCE GROUT - FA #172 SPACE BLUE		USE WITH WT-14
SEALANT				
SL-1	DOW CORNING	#790 SILICONE SEALANT "LIMESTONE"		
SL-2	TREMCO	SPECTREM #3 LOW-MODULUS SILICONE SEALANT "SANDSTONE"		USE AT EXPANSION JOINTS
SL-3	DOW CORNING	NEUTRAL CURE "CLEAR"		USE AT ALL EIFS PENETRATIONS
SL-6	DOW	DOWSIL GENERAL PURPOSE SILICONE SEALANT "CLEAR"		USE AT MOP SINK

INCORPORATED SPB - 2021_0504; 2021_0507

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA027201
REGISTERED ARCHITECT
05/16/22

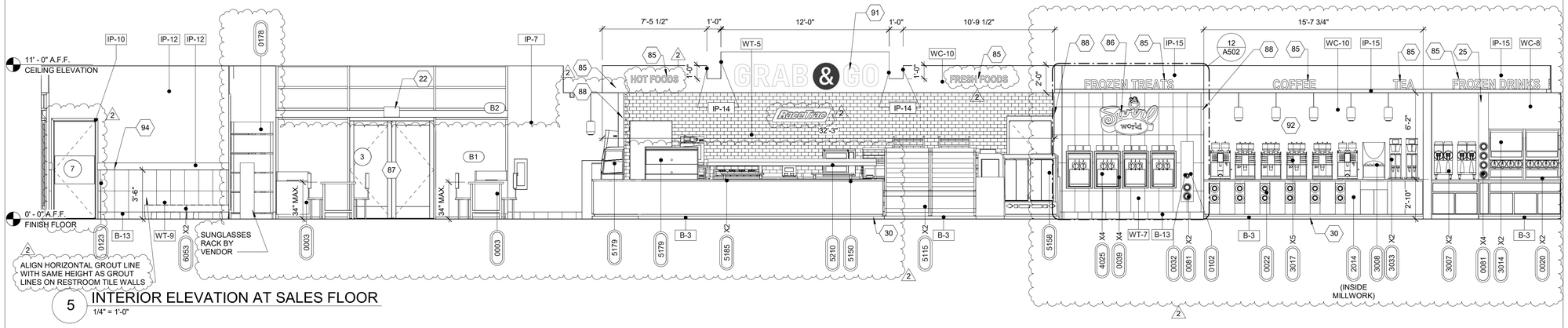
PROJECT NUMBER
63200243

SHEET TITLE

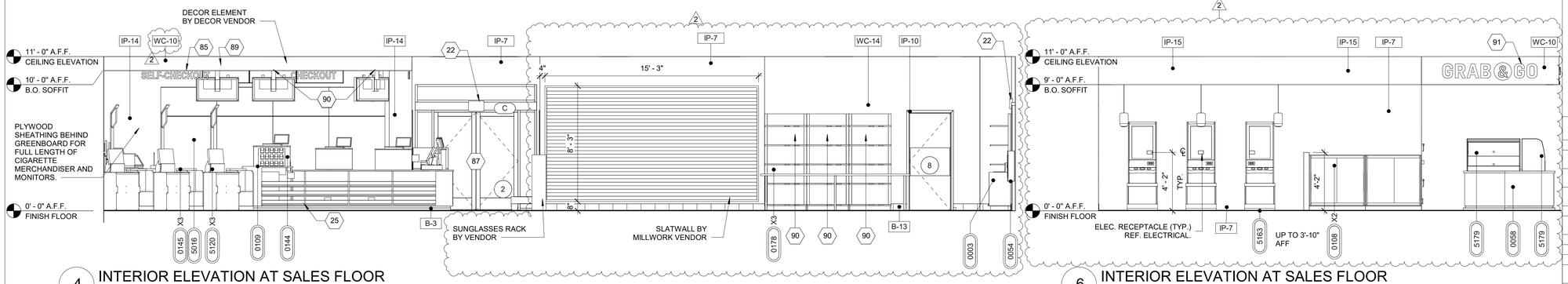
ROOM FINISH AND MATERIAL SCHEDULES

SHEET NUMBER

A500

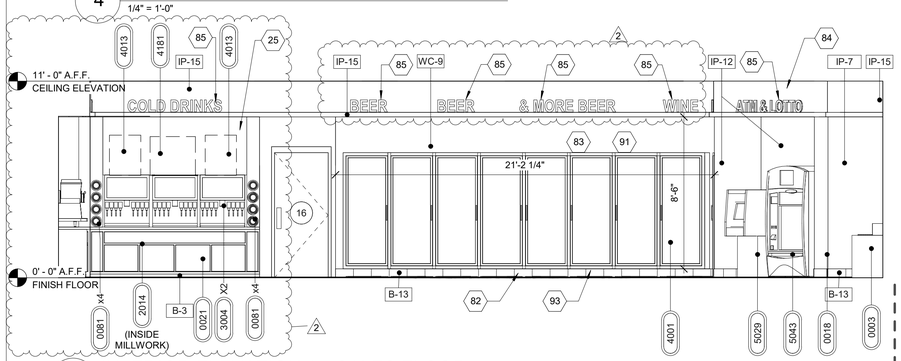


5 INTERIOR ELEVATION AT SALES FLOOR
1/4" = 1'-0"

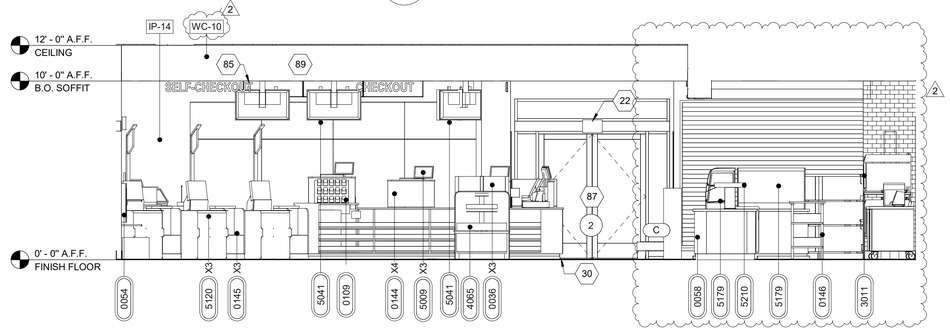


4 INTERIOR ELEVATION AT SALES FLOOR
1/4" = 1'-0"

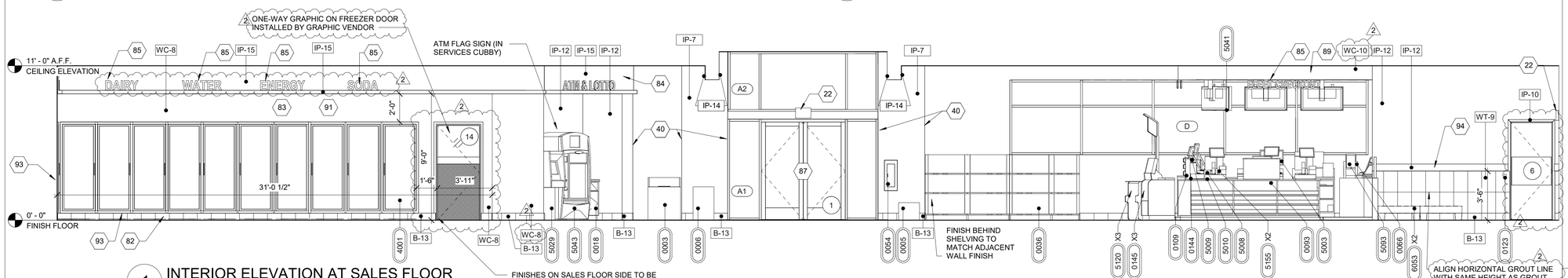
6 INTERIOR ELEVATION AT SALES FLOOR
1/4" = 1'-0"



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 HORIZONTAL REACH IS 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 KILTZ PRIMER UNLESS NOTED OTHERWISE.
8. PROVIDE DRYWALL FINISH LEVEL 4 WHERE FLAT PAINTS, LIGHT TEXTURES OR WALLCOVERINGS ARE TO BE APPLIED. PRIMER TO BE ROMAN PRO-977; INSTALL EVERYWHERE THAT WALL COVER (WC) IS TO BE INSTALLED
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.

SHEET KEYNOTES

22	EXIT SIGN BY OWNER; COMPLY WITH ADA REQUIREMENTS
25	MILLWORK WALL BY MILLWORK VENDOR. INSTALL 1/4" GYPSUM WALL BOARD ON TOP OF MILLWORK WALL
30	LINE OF MILLWORK; PROVIDE VINYL WALL BASE (B-3) AT ALL MILLWORK AT SALES FLOOR
40	CORNER GUARD; WALLGUARD DEFENDER SERIES 2340 - 8'-0" HEIGHT AND 1" UNDRILLED WITH ADHESIVE
82	PLACE CERAMIC TILE BASE UP TO COOLER DOOR FRAME
83	SHEETROCK ENTIRE FACE OF WALK-IN COOLERS AND FREEZER PANELS; SEE GENERAL NOTE #1
84	BULKHEAD AT 9'-0" A.F.F.; REF. RCP
85	MARKETING BY OTHERS
86	SWIRL WORLD SIGN
87	STOREFRONT ENTRY AS SCHEDULED BEYOND W/ TRANSOM AND SIDELIGHTS
88	SCHLUTER CORNER GUARD TO BE FULL HEIGHT OF TILE; REF DETAIL ON INTERIOR ELEVATIONS
89	WOOD SLAT DECOR BY OTHERS
90	PROVIDE BLOCKING FOR COMMERCIAL DISPLAYS PER MANUFACTURER RECOMMENDATIONS
91	VINYL GRAPHICS BY OTHERS
92	HARD WALL W/ AC OR PC PLYWOOD - COVERED BY MILLWORK VENDOR
93	GC TO INSTALL BLACK FLAT .040 BRAKE METAL W/ HEMMED EDGES IN SPACE BETWEEN BOTTOM OF COOLER DOORS, AT TOP OF BASE TILE, AND IN CORNER ADJACENT TO LAST BEER & WINE COOLER DOOR; EXTEND BRAKE METAL FROM TOP OF CERAMIC TILE BASE TO TOP OF COOLER DOOR; GC TO FIELD VERIFY HEIGHT
94	42" HIGH TILE WAINSCOT BY GC; REF DETAIL ON INTERIOR ELEVATIONS

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0506

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CERTIFICATE NO. RA015201
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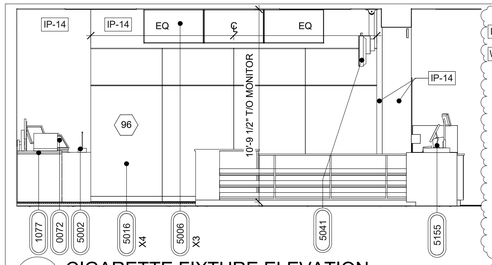
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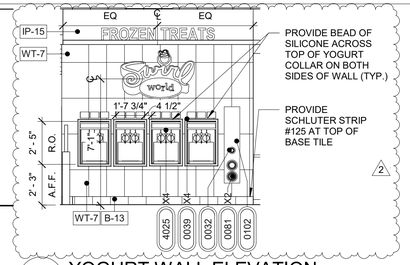
INTERIOR ELEVATIONS

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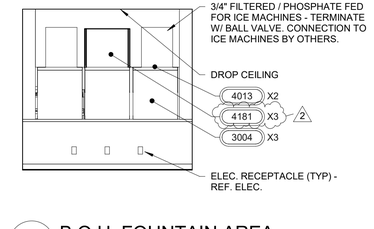
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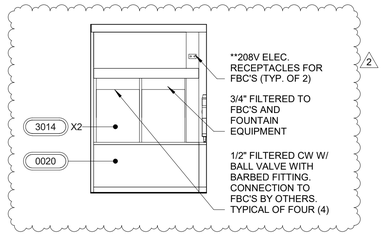
15 CIGARETTE FIXTURE ELEVATION
1/4" = 1'-0"



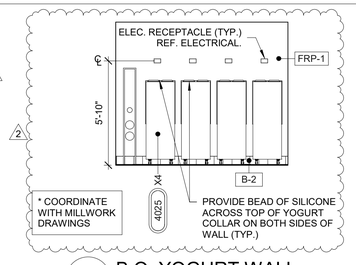
12 YOGURT WALL ELEVATION
1/4" = 1'-0"



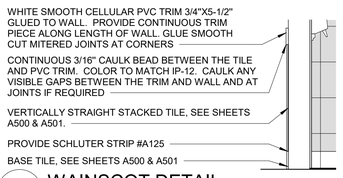
11 B.O.H. FOUNTAIN AREA
1/4" = 1'-0"



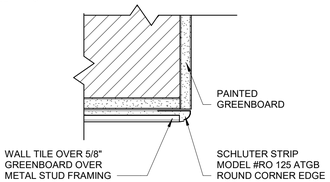
10 FCB REAR ELEV.
1/4" = 1'-0"



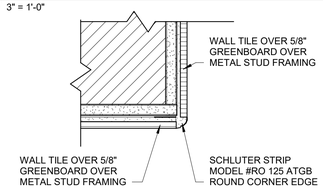
9 B.O. YOGURT WALL
1/4" = 1'-0"



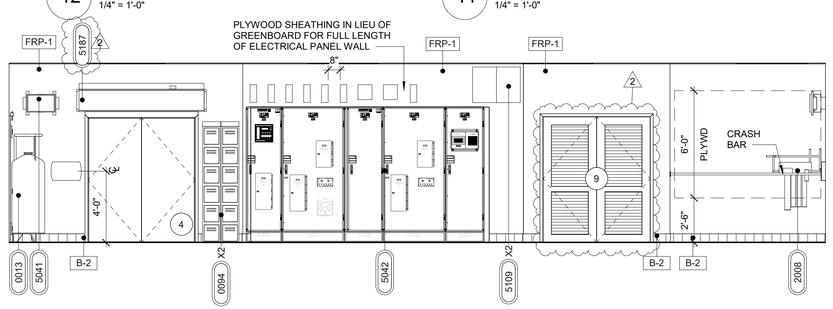
16 WAINSCOT DETAIL
1/2" = 1'-0"



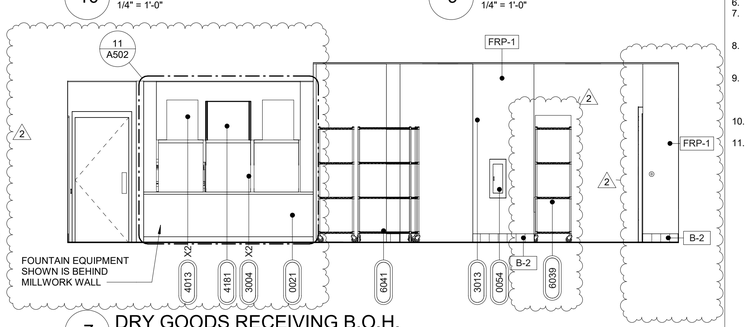
14 TILE TO GYP CORNER DETAIL
3" = 1'-0"



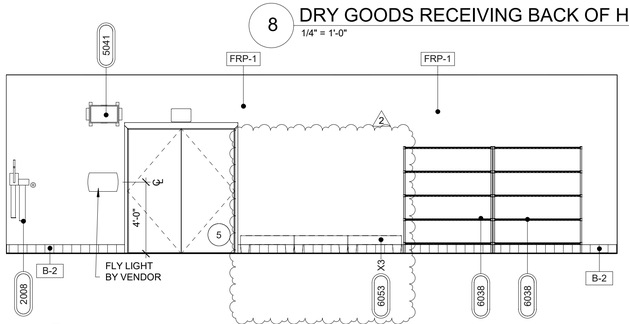
13 TILE TO TILE CORNER DETAIL
3" = 1'-0"



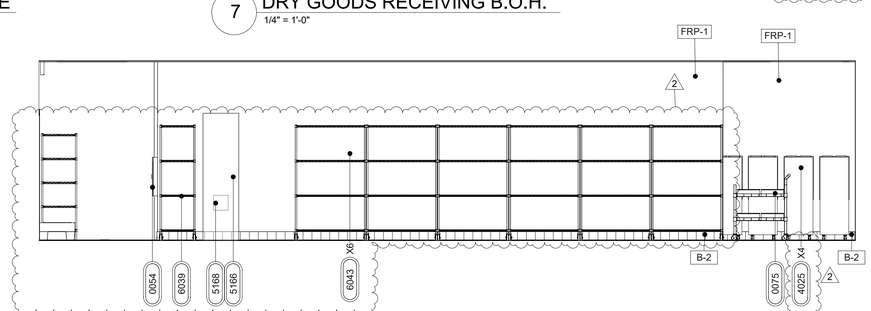
8 DRY GOODS RECEIVING BACK OF HOUSE
1/4" = 1'-0"



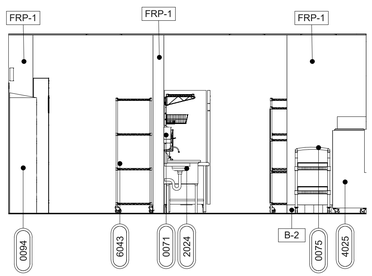
7 DRY GOODS RECEIVING B.O.H.
1/4" = 1'-0"



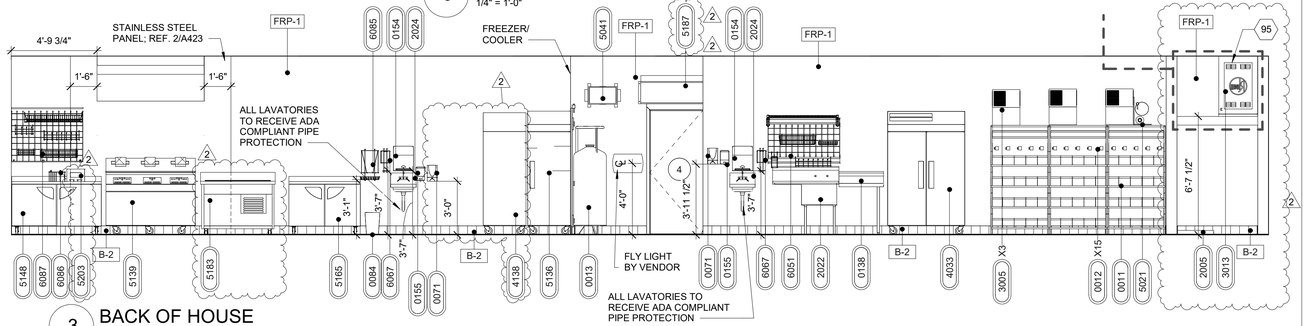
6 DRY GOODS RECEIVING BACK OF HOUSE
1/4" = 1'-0"



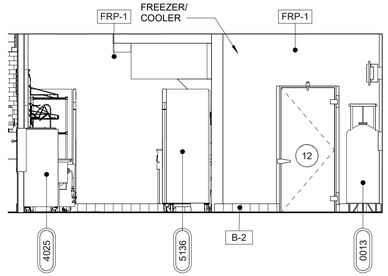
5 DRY GOODS RECEIVING BACK OF HOUSE
1/4" = 1'-0"



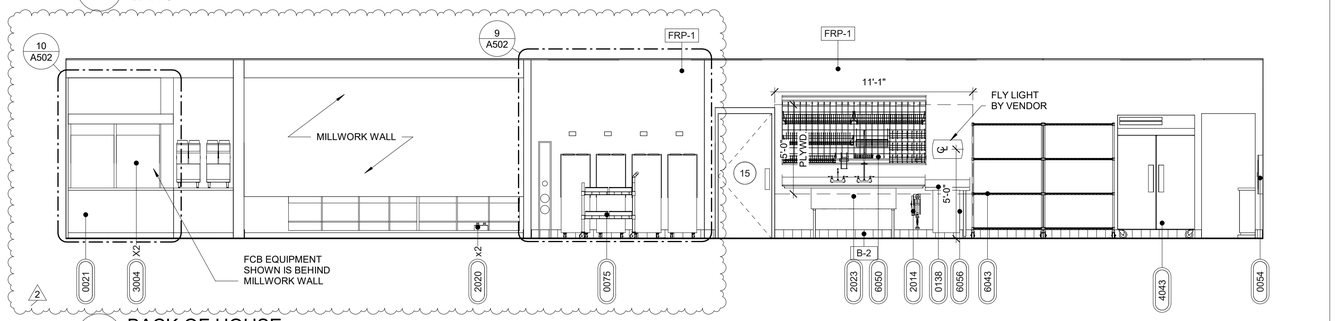
4 BACK OF HOUSE
1/4" = 1'-0"



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



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



1 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.

SHEET KEYNOTES

95	WATER HEATER ON SHELF; REF. ELEVATION FOR HEIGHT OF SHELF
96	PAINT IP-14 BEHIND AND ABOVE CIGARETTE FIXTURES

INCORPORATED SPB - 2021_0501; 2021_0504; 2021_0506

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

PROJECT NAME

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4443 OLD DUNN COURT

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PROFESSIONAL SEAL



05/16/22

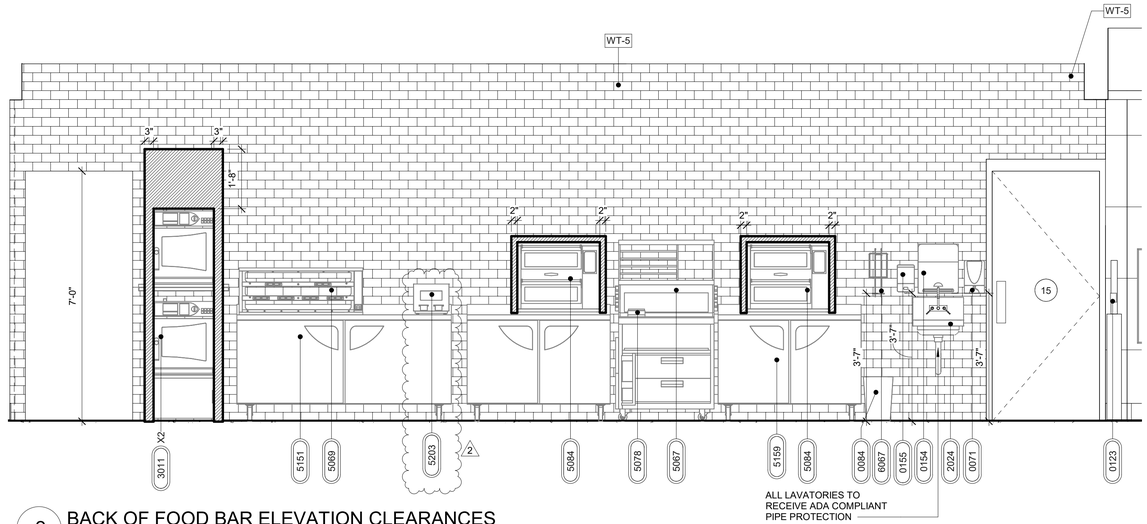
PROJECT NUMBER
63200243

SHEET TITLE

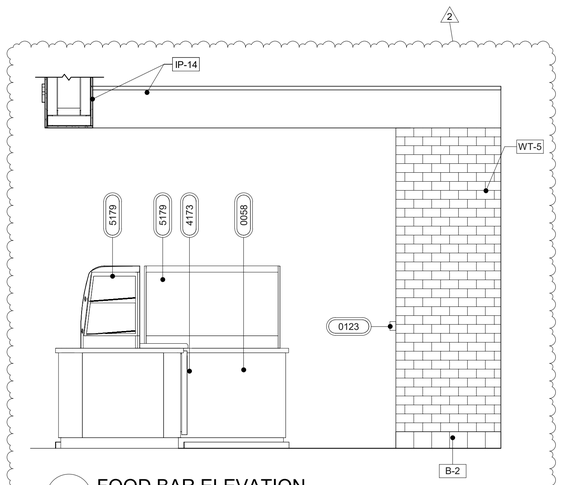
INTERIOR ELEVATIONS

SHEET NUMBER

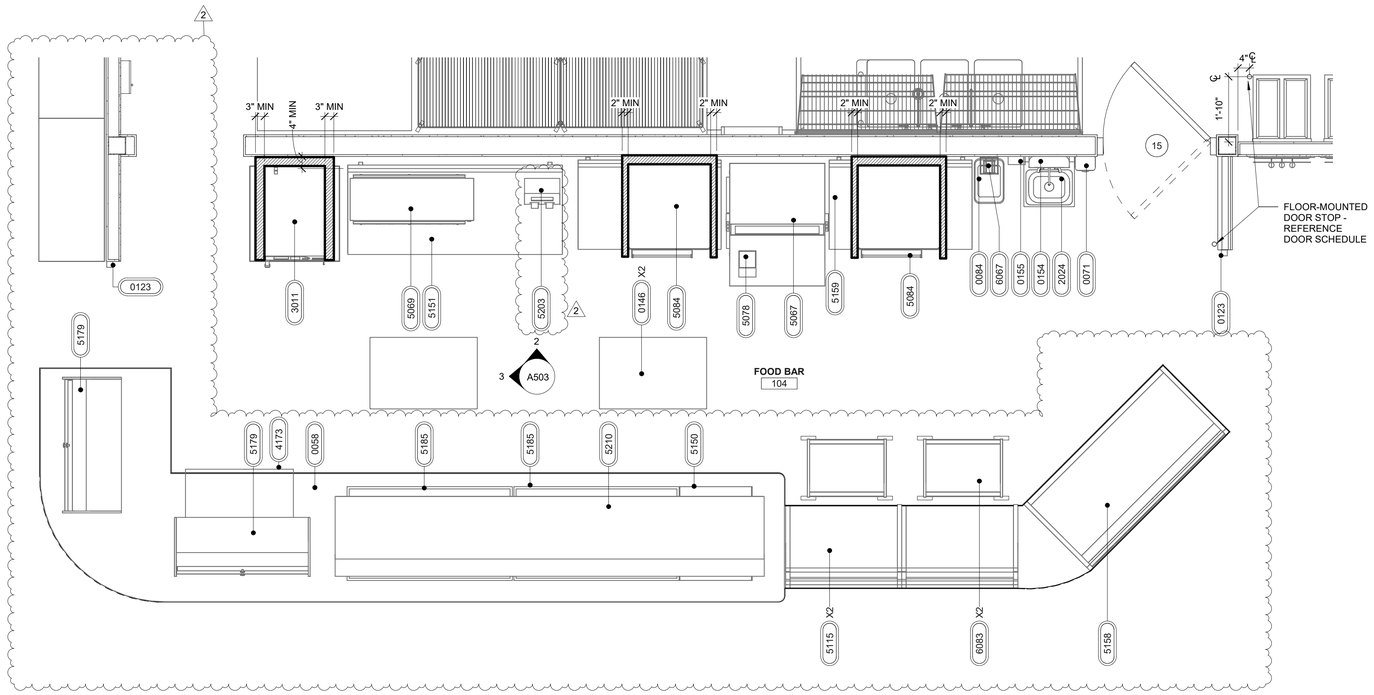
A502



2 BACK OF FOOD BAR ELEVATION CLEARANCES
1/2" = 1'-0"



3 FOOD BAR ELEVATION
1/2" = 1'-0"



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

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

INCORPORATED SPB - 2021_0504

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DESIGN PROFESSIONALS

brr

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JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER:
CB

CHECKED BY:
JCM

DRAWN BY:
HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

RaceTrac.

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA025081
REGISTERED ARCHITECT
05/16/22

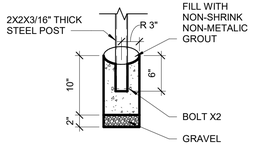
PROJECT NUMBER
63200243

SHEET TITLE

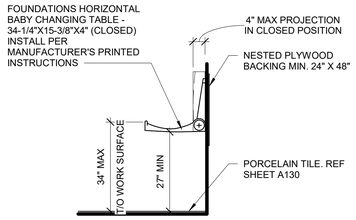
EQUIPMENT CLEARANCES

SHEET NUMBER

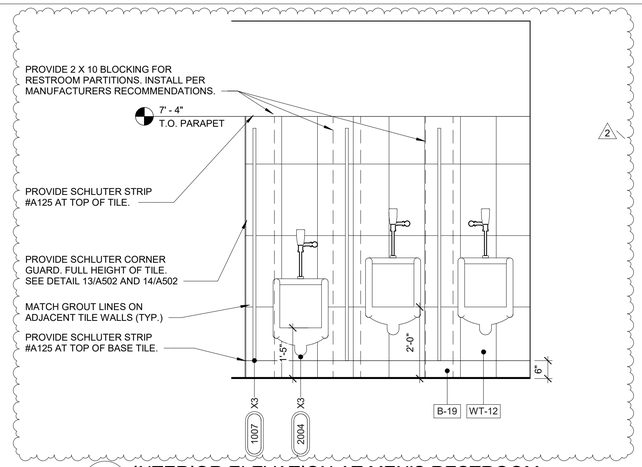
A503



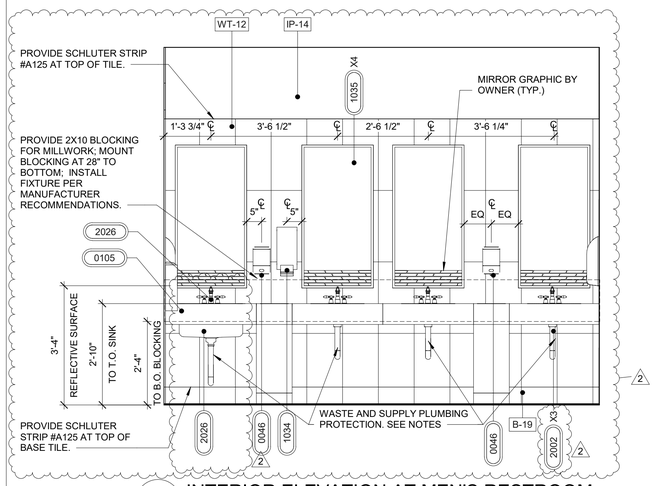
6 STALL PARTITION PILASTER DETAIL
1" = 1'-0"



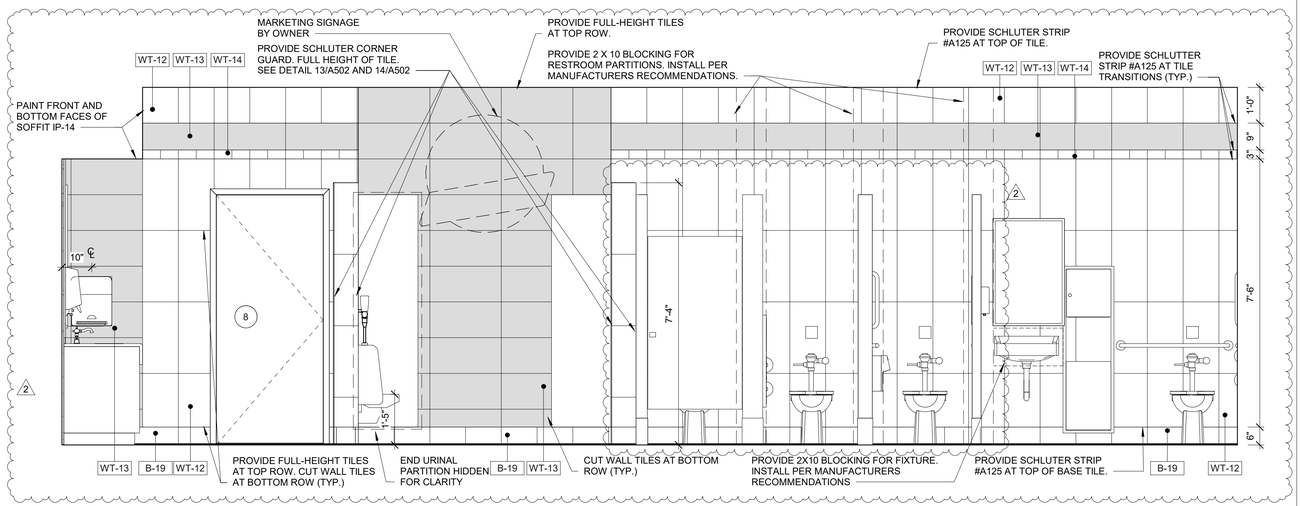
5 BABY CHANGING STATION
1/2" = 1'-0"



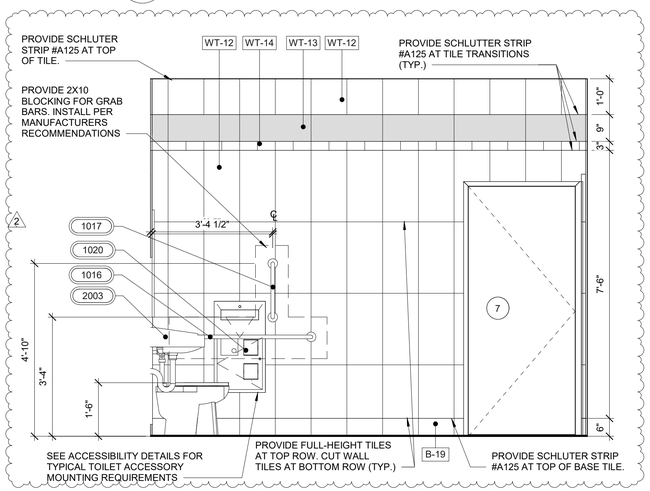
7 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"



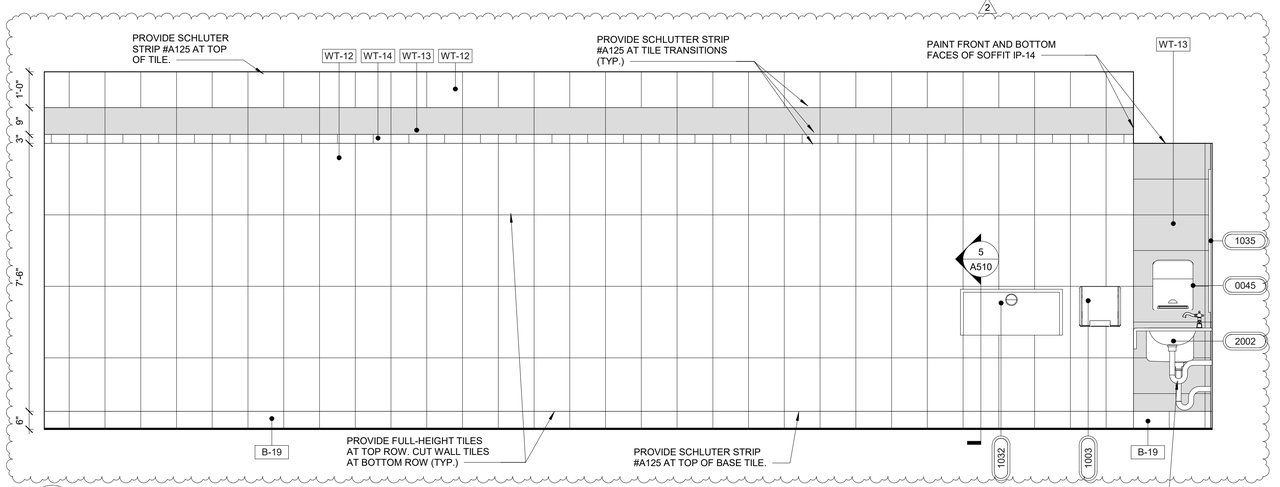
4 INTERIOR ELEVATION AT MEN'S RESTROOM
1/2" = 1'-0"



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.

INCORPORATED SPB - 2021_0502; 2021_0504

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DESIGN PROFESSIONALS

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PHONE: (913) 262-9095

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CHECKED BY: JCM

DRAWN BY: HE

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11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

RaceTrac®

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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



05/16/22

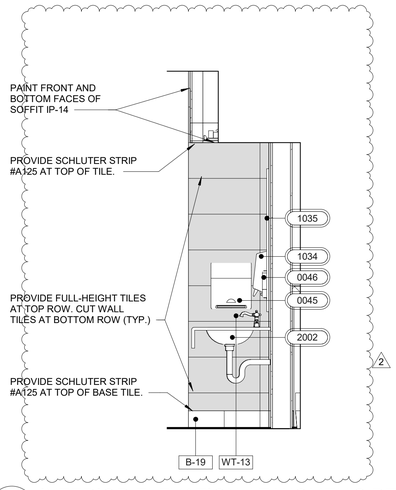
PROJECT NUMBER 63200243

SHEET TITLE

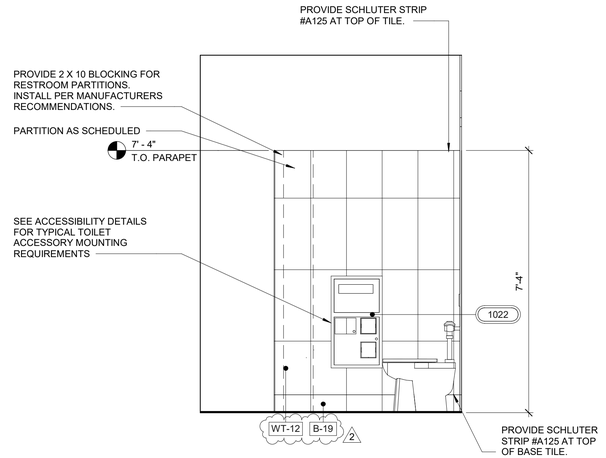
RESTROOM ELEVATIONS

SHEET NUMBER

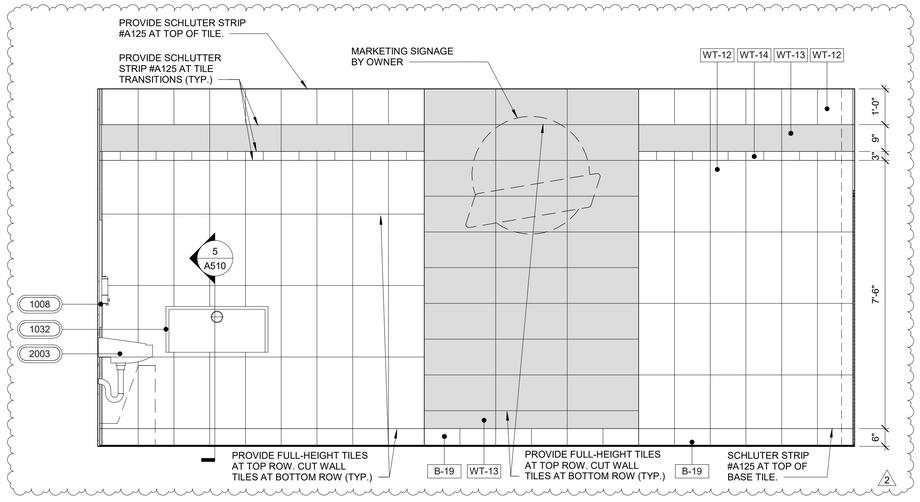
A510



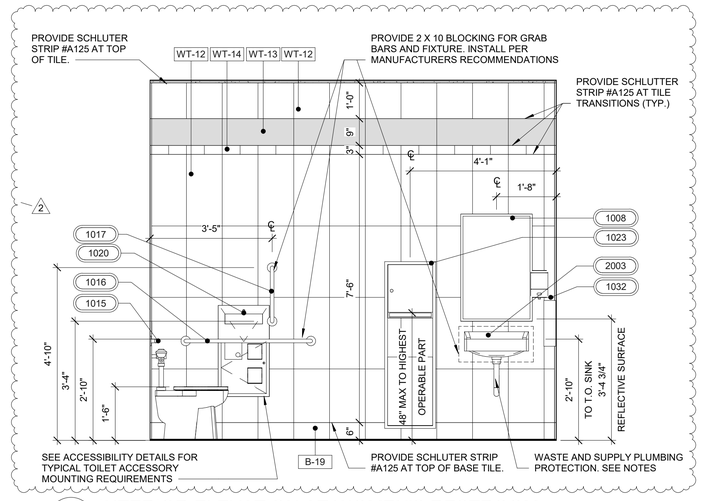
6 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"



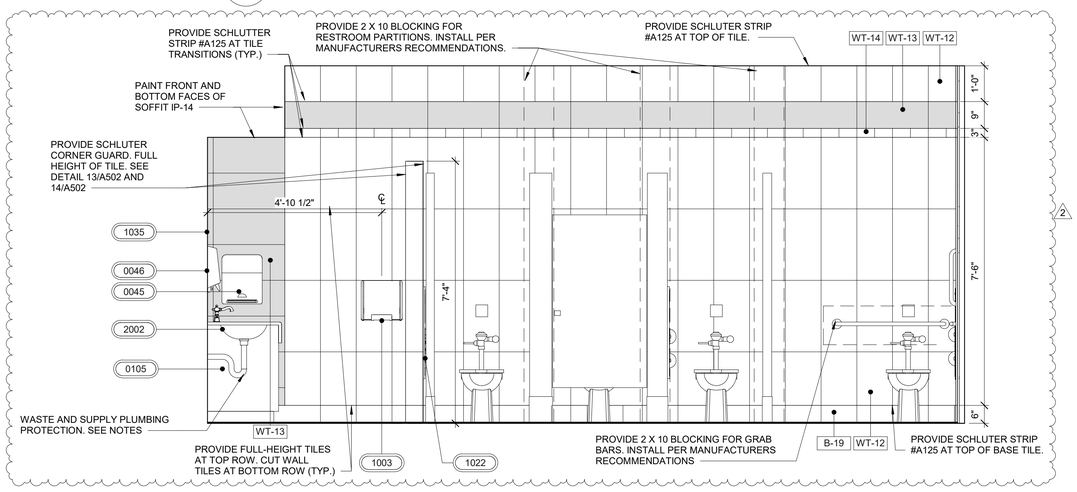
5 WOMEN'S RESTROOM STALL SECTION
1/2" = 1'-0"



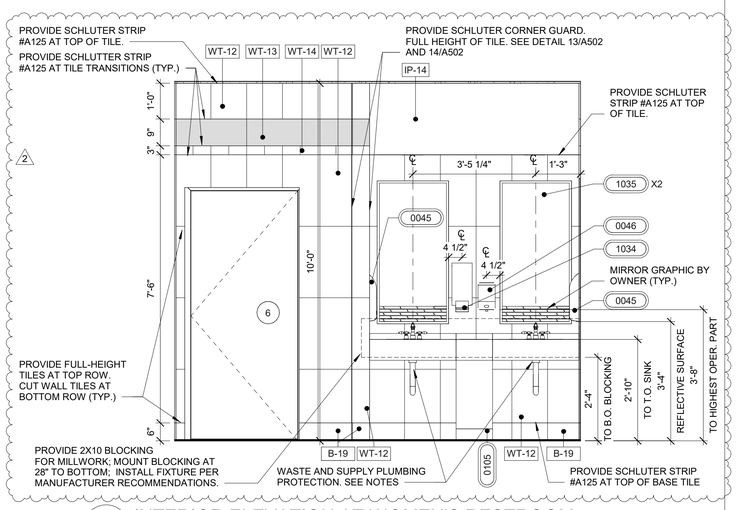
4 INTERIOR ELEVATION AT WOMEN'S RESTROOM
1/2" = 1'-0"



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.

INCORPORATED SPB - 2021_0504

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DESIGN PROFESSIONALS

brr

ARCHITECT OF RECORD:
JOHN P. FRANK
8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB
CHECKED BY: JCM
DRAWN BY: HE

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21

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



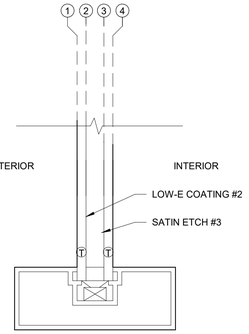
05/16/22

PROJECT NUMBER 63200243

SHEET TITLE
RESTROOM ELEVATIONS

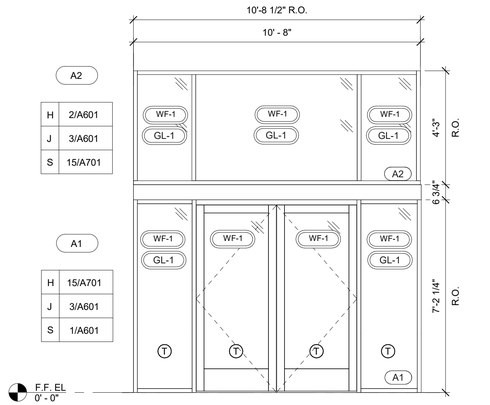
SHEET NUMBER
A511

GLASS TYPES	
(T)	TEMPERED GLASS

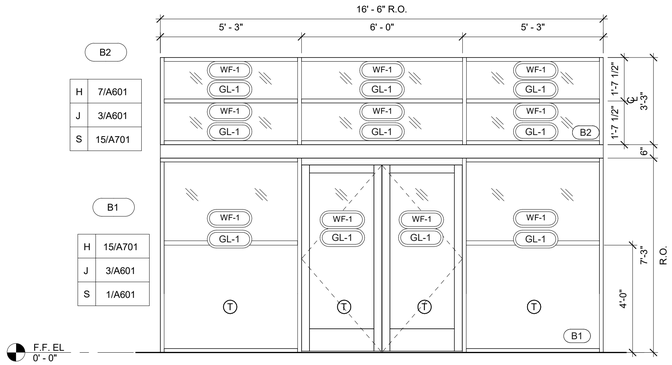


1" INSULATED (NON-IMPACT) GLAZING UNIT. SEE SHEET A300 FOR SYSTEM SPEC.

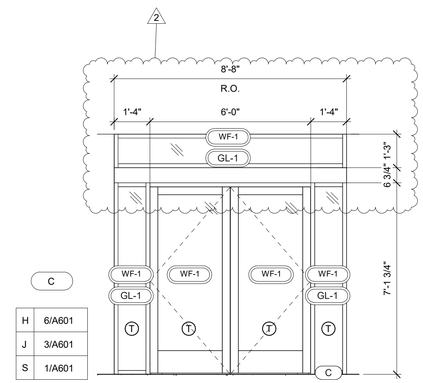
6M NON-IMPACT RATED SYSTEM
6" = 1'-0"



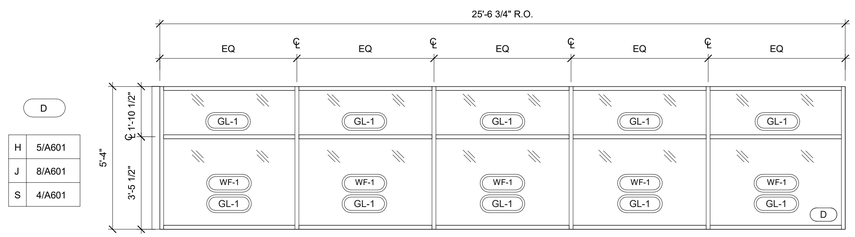
4 STOREFRONT ELEVATION A1/A2
3/8" = 1'-0"



3 STOREFRONT ELEVATION B1/B2
3/8" = 1'-0"



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



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

INCORPORATED SPB - 2021_0505; 2021_0506

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA012201
REGISTERED ARCHITECT

05/16/22

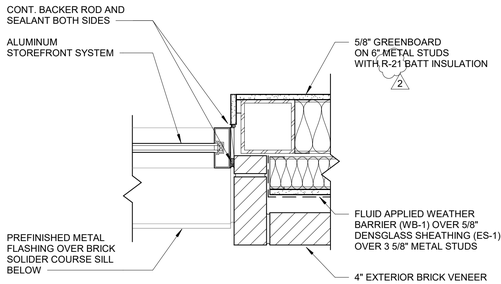
PROJECT NUMBER
63200243

SHEET TITLE
WINDOW ELEVATIONS AND DETAILS

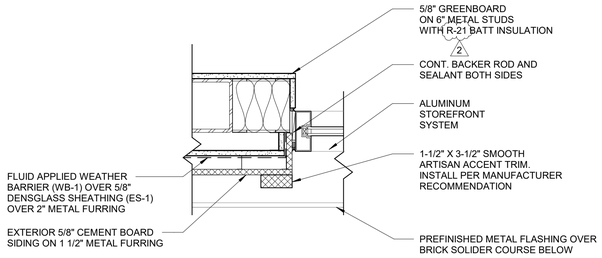
SHEET NUMBER
A600

NOTE: WHERE LIGHT GAUGE METAL FRAMING IS SHOWN IN THE ARCHITECTURAL DRAWINGS, PER "SHOP DRAWING NOTE" #1 AND #5 ON SHEET S000, ALL LIGHT GAUGE METAL FRAMING SIZES, BRIDGING, LATERAL BRACING, AND ALL CONNECTIONS ASSOCIATED WITH LIGHT GAUGE METAL FRAMING ARE TO BE DESIGNED BY A CONTRACTOR FURNISHED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

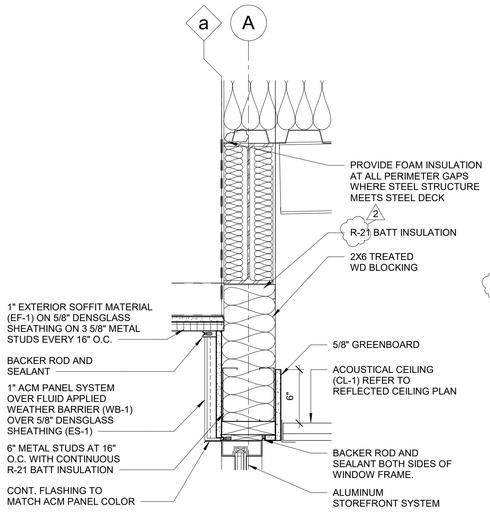




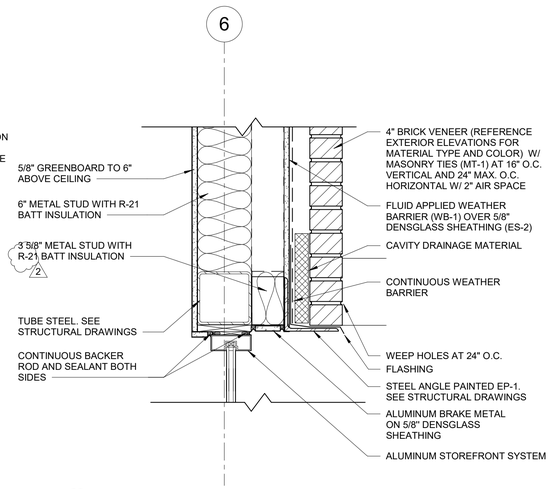
9 STOREFRONT JAMB AT BRICK
1 1/2" = 1'-0"



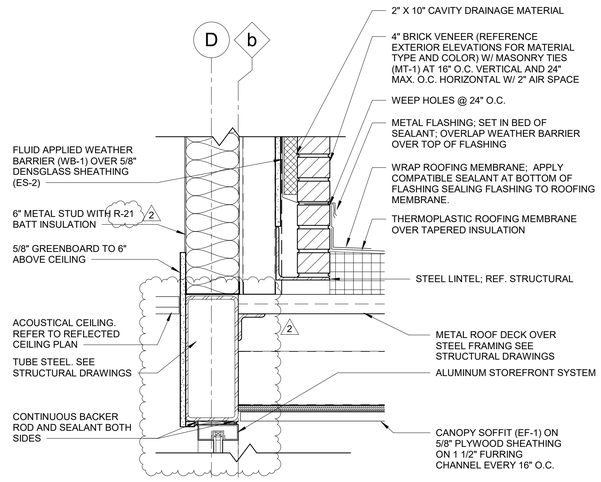
8 STOREFRONT JAMB AT SIDING
1 1/2" = 1'-0"



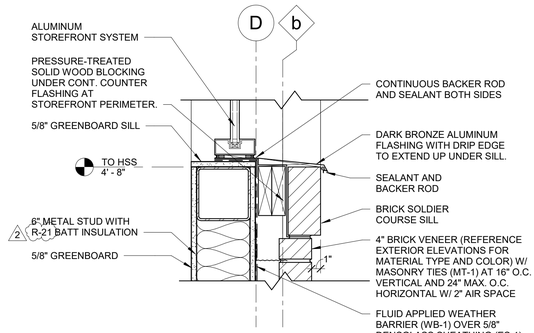
7 STOREFRONT HEAD AT REAR TOWER
1 1/2" = 1'-0"



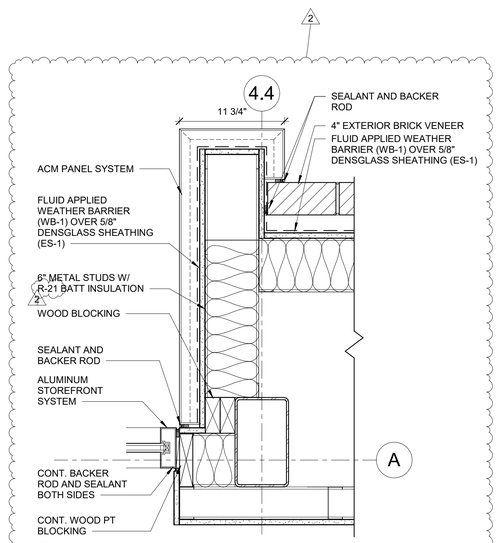
6 STOREFRONT HEAD AT SIDE ENTRY
1 1/2" = 1'-0"



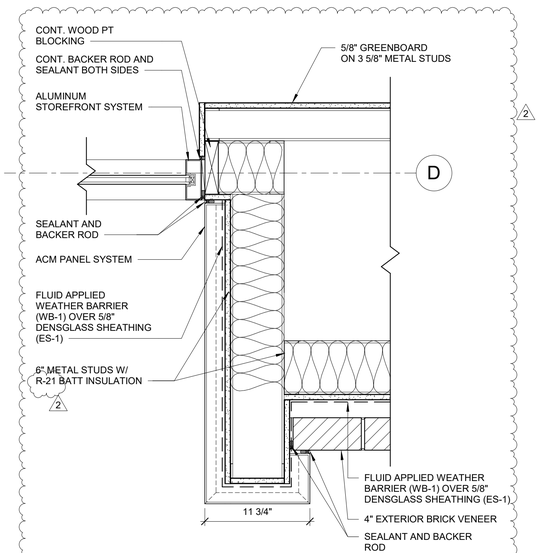
5 STOREFRONT HEAD
1 1/2" = 1'-0"



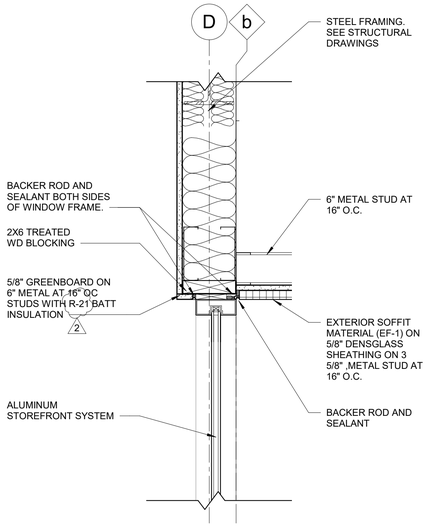
4 STOREFRONT SILL
1 1/2" = 1'-0"



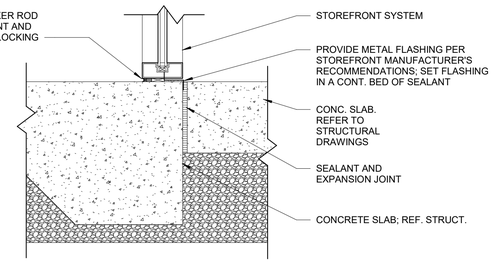
11 STOREFRONT JAMB @ REAR ENTRY
1 1/2" = 1'-0"



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



2 STOREFRONT HEAD AT MAIN TOWER
1 1/2" = 1'-0"



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

INCORPORATED SPB - 2021_0503; 2021_0505; 2021_0506

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DESIGN PROFESSIONALS

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ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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



05/16/22

PROJECT NUMBER
63200243

SHEET TITLE

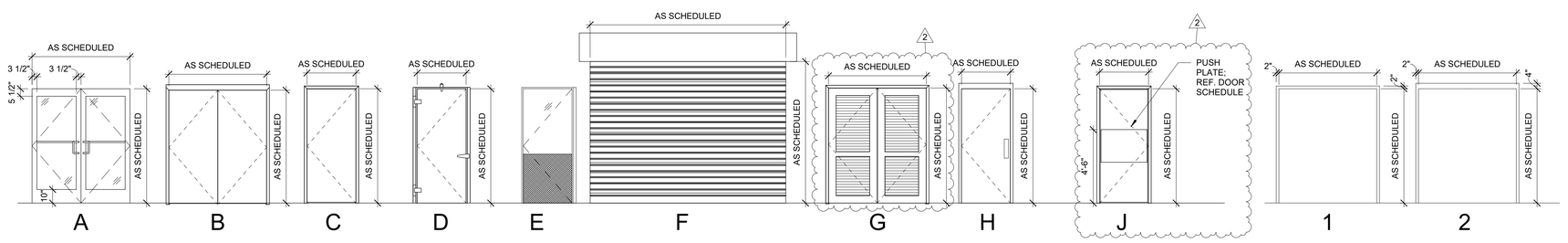
WINDOW DETAILS

SHEET NUMBER

A601

DOOR SCHEDULE

MARK	LOCATION	DOORS: NUMBER OF LEAVES	DOOR TYPE	WIDTH	HEIGHT	DEPTH	MATERIAL	FINISH	MANUFACTURER	MODEL	FRAME: FRAME TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL	HARDWARE SET	FIRE RATING	COMMENTS
1	SALES FLOOR	2	A	6' - 0"	7' - 0"	0' - 1 3/4"	GLASS/ALUM	DARK BRONZE ANODIZED	OLD CASTLE	-	STORE FRONT A1/A2	ALUMINUM	DARK BRONZE ANODIZED	15/A701	10/A701	5/A701	1	-	PAIR OF DOORS - MEDIUM STILE WITH 10" BOTTOM RAIL; SHGC VALUE = 0.27, U-VALUE = 6.0
2	SALES FLOOR	2	A	6' - 0"	7' - 0"	0' - 1 3/4"	GLASS/ALUM	DARK BRONZE ANODIZED	OLD CASTLE	-	STORE FRONT C	ALUMINUM	DARK BRONZE ANODIZED	15/A701	10/A701	5/A701	1	-	PAIR OF DOORS - MEDIUM STILE WITH 10" BOTTOM RAIL; SHGC VALUE = 0.27, U-VALUE = 6.0
3	SEATING	2	A	6' - 0"	7' - 0"	0' - 1 3/4"	GLASS/ALUM	DARK BRONZE ANODIZED	OLD CASTLE	-	STORE FRONT B1/B2	ALUMINUM	DARK BRONZE ANODIZED	15/A701	10/A701	5/A701	1	-	PAIR OF DOORS - MEDIUM STILE WITH 10" BOTTOM RAIL; SHGC VALUE = 0.27, U-VALUE = 6.0
4	RECEIVING	2	B	6' - 0"	7' - 0"	0' - 1 3/4"	HOLLOW METAL	EP-1	ASSA ABLOY	-	2	HOLLOW METAL	EP-1	16/A701	17/A701	1/A701	2		INSULATED PAIR OF DOORS; R-VALUE = 5.21
5	DRY GOODS RECEIVING	2	B	6' - 0"	7' - 0"	0' - 1 3/4"	HOLLOW METAL	EP-1	ASSA ABLOY	-	2	HOLLOW METAL	EP-1	11/A701	6/A701	1/A701	2		INSULATED DOOR; R-VALUE = 5.21
6	WOMEN'S RESTROOM	1	J	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE PARTICLE BOARD	WILSONART GREY 1500-60	VT INDUSTRIES	303H	1	HOLLOW METAL	IP-10	12/A701	7/A701	2/A701	3	-	UNDERCUT DOOR 1", PROVIDE 24"X34" .15 STEEL PUSH PLATE
7	MEN'S RESTROOM	1	J	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE PARTICLE BOARD	WILSONART GREY 1500-60	VT INDUSTRIES	303H	1	HOLLOW METAL	IP-10	12/A701	7/A701	2/A701	3	-	UNDERCUT DOOR 1", PROVIDE 24"X34" .15 STEEL PUSH PLATE
8	MEN'S RESTROOM	1	J	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE PARTICLE BOARD	WILSONART GREY 1500-60	VT INDUSTRIES	303H	1	HOLLOW METAL	IP-10	12/A701	7/A701	2/A701	3	-	UNDERCUT DOOR 1", PROVIDE 24"X34" .15 STEEL PUSH PLATE
9	DATA	2	G	6' - 0"	7' - 0"	0' - 1 3/4"	MDF	IP-10	MILLENIUM	7902	1	HOLLOW METAL	IP-10	12/A701	7/A701	3/A701	8	-	LOUVERED DOOR
10	ELECTRICAL CLOSET	1	F	12' - 0"	8' - 8"	0' - 2"	STEEL	DARK BRONZE	WAYNE DALTON	823 C	BY MANUF.	HOLLOW METAL	BLACK	14/A701	9/A701	4/A701	BY MANUF.	-	INSULATED DOOR; R-VALUE = 5.21
11	WALK-IN FREEZER	1	D	3' - 0"	7' - 0"	0' - 2"	STEEL	STAINLESS - PT WHITE	REDICO, INC.	#F3066C	BY MANUF.	GALVANIZED STEEL	EMBOSSED	--	--	--	6	-	DUAL THERMOMETER, HEATED VENT, LIGHT SWITCH. PROVIDE KICK PLATE.
12	WALK-IN COOLER	1	D	3' - 0"	7' - 0"	0' - 2"	STEEL	STAINLESS - PT WHITE	REDICO, INC.	#F3066C	BY MANUF.	GALVANIZED STEEL	EMBOSSED	--	--	--	6	-	DUAL THERMOMETER, HEATED VENT, LIGHT SWITCH. PROVIDE KICK PLATE.
13	BEVERAGE COOLER	1	D	3' - 0"	7' - 0"	0' - 2"	STEEL	STAINLESS - PT WHITE	REDICO, INC.	#C3066C	BY MANUF.	GALVANIZED STEEL	EMBOSSED	--	--	--	6	-	DUAL THERMOMETER, HEATED VENT, LIGHT SWITCH. PROVIDE KICK PLATE.
14	BEVERAGE COOLER	1	E	3' - 0"	6' - 9"	0' - 1 3/4"	GLASS/ALUM	STAINLESS - PT WHITE	REDICO, INC.	3300	BY MANUF.	GALVANIZED STEEL	EMBOSSED	--	--	--	6	-	INTERIOR CYLINDRICAL; PROVIDE 48" DIAMOND KICKPLATE; FINISHES ON SALES FLOOR SIDE TO BE FLUSH WITH EDGE OF DOOR; TOP 1/3 GLASS, BOTTOM 2/3 SOLID
15	FOOD PREP	1	H	3' - 0"	7' - 0"	0' - 1 3/4"	STEEL	STAINLESS	RUBBAIR DOOR	RT-100	BY LOCKNET	WELDED HOLLOW METAL	BLACK	13/A701	8/A701	3/A701	BY MANUF.		PROVIDE FLOOR-MOUNTED DOOR STOP ON BOTH SIDES - ROCKWOOD RM850
16	SALES FLOOR	1	H	3' - 0"	7' - 0"	0' - 1 3/4"	STEEL	STAINLESS	RUBBAIR DOOR	RT-100	BY LOCKNET	WELDED HOLLOW METAL	BLACK	13/A701	8/A701	3/A701	BY MANUF.		
17	DUMPSTER STORAGE ROOM	1	C	3' - 0"	7' - 0"	0' - 1 3/4"	HOLLOW METAL	EP-1	-	-	2	HOLLOW METAL	EP-1	20/A701	19/A701	18/A701	7	-	INSULATED DOOR. PROVIDE 18"X12" LOUVERED VENT
18	DUMPSTER STORAGE ROOM	1	C	4' - 0"	7' - 0"	0' - 1 3/4"	HOLLOW METAL	EP-1	-	-	2	HOLLOW METAL	EP-1	20/A701	19/A701	18/A701	7	-	INSULATED DOOR. PROVIDE 30"X12" LOUVERED VENT
19	DUMPSTER STORAGE ROOM	1	F	7' - 0"	7' - 4"	0' - 2"	STEEL	DARK BRONZE	WAYNE DALTON	823 C	BY MANUF.	HOLLOW METAL	BLACK	6/A013	5/A013	2/A013	BY MANUF.	-	INSULATED DOOR. R-VALUE = 5.21



B1 DOOR TYPES
1/4" = 1'-0"

A1 FRAME TYPES
1/4" = 1'-0"

DOOR HARDWARE

SET 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 GC	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
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
2	FLUSH BOLTS	OBE	FB-1201	613

SET 2: RECEIVING

QTY	ITEM	MANUFACTURER	MODEL NUMBER	FINISH
3 PR	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	SURFACE CLOSER	YALE	3501-PA 689	689
2	KICK PLATES	ROCKWOOD	K1050 8"X34"	US32D
2	LOCK PROTECTOR	ROCKWOOD	SD1260 US32D	US32D
1	THRESHOLD	PEMKO	254 72"	
2	WEATHERSTRIPPING	PEMKO	18062CNB 36"	C
1	WEATHERSTRIPPING	PEMKO	303AV-72"X84"	A
1	MISCELLANEOUS ITEM	PEMKO	PEMKO 346A 76"	A
2	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: RESTROOMS

QTY	ITEM	MANUFACTURER	MODEL NUMBER	FINISH
3	HINGES	ROCKWOOD	MPB79 - 4 1/2" X 4 1/2"	626
1	PUSH PLATE	ROCKWOOD	70 C - 4" X 16"	630
1	PULL PLATE	ROCKWOOD	107 X 70C 4" X 16"	630
1	CLOSER	YALE	1101BF	689
1	KICK PLATE	ROCKWOOD	K1050 - 10" X 34"	630
1	MOP PLATE	ROCKWOOD	K1050 - 6" X 34"	630
1	WALL STOP	ROCKWOOD	409	630
1	THRESHOLD	-	2" WIDE MARBLE TO MATCH LEVEL OF TILE	-
1	SIGN	ROCKWOOD	3" X 6" ADA SIGN	-

SET 6: 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 7: DUMPSTER ENCLOSURE STORAGE

QTY	ITEM	MANUFACTURER	MODEL NUMBER	FINISH
1	CONTINUOUS HINGE	PEMKO	CFM83HD1	628
1	PERMANENT KEY CORE	BY GC, CONFIRM MODEL WITH OWNER		626
1	DOOR PULL	ROCKWOOD	107 X 70 C	630
1	OVERHOLD HOLDER/ STOPS	DONJO	3212	SP28
1	OVERHEAD RAIN DRIP	PEMKO	346 A	-
1	KICK PLATES (INTERIOR)	ROCKWOOD	10"x35" K1050	630
1	KICK PLATES (EXTERIOR)	ROCKWOOD	10"x35" K1050	630
1	THRESHOLD	PEMKO	171A	627
1	SET DOOR SEALS	PEMKO	S88D	627
1	DOOR BOTTOM SEALS	PEMKO	18062CNB	627

SET 8: 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. (IBC 1008.1.1)
6. DOORS OPEN A MINIMUM OF 90 DEGREES. (IBC 1008.1.1)
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. (IBC 1008.1.1)
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 MEET NFPA 101 (502.1.5) LIFE SAFETY AND NFPA FIRE SAFETY REQUIREMENTS.

DOOR HARDWARE NOTES

1. EGRESS DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. (IBC 1008.1.8)
2. OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 48" ABOVE FINISH FLOOR. (IBC 1008.1.8)

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 AND GATE 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.

INCORPORATED SPB - 2021_0504

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DESIGN PROFESSIONALS

brr

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8131 METCALF AVENUE
OVERLAND PARK, KS 66204
PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

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PROTOTYPE SERIES

2021 LH MO 0507

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PROFESSIONAL SEAL

STATE OF GEORGIA
JOHN P. FRANK
CERTIFICATE NO. RA031201
REGISTERED ARCHITECT
05/16/22

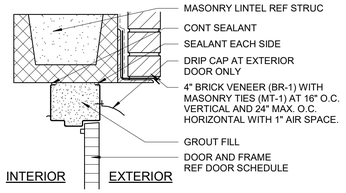
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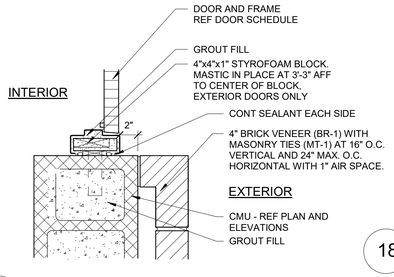
DOOR HARDWARE AND SCHEDULE

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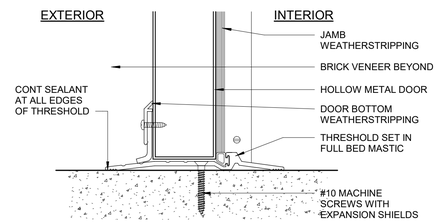
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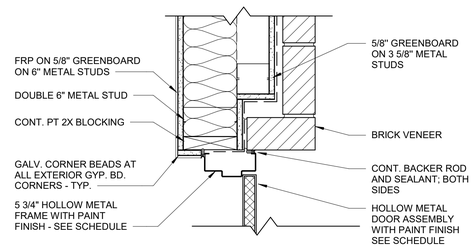
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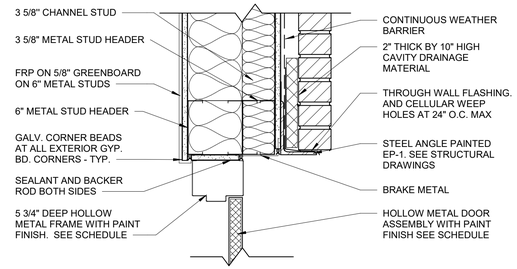
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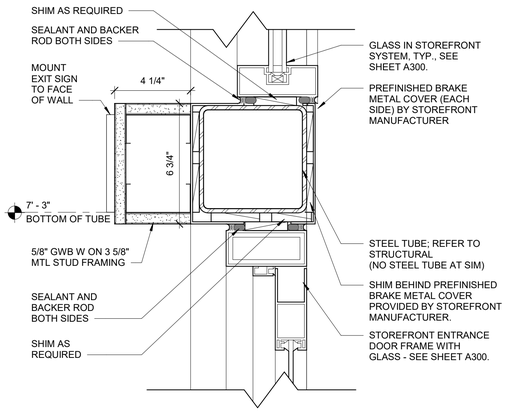
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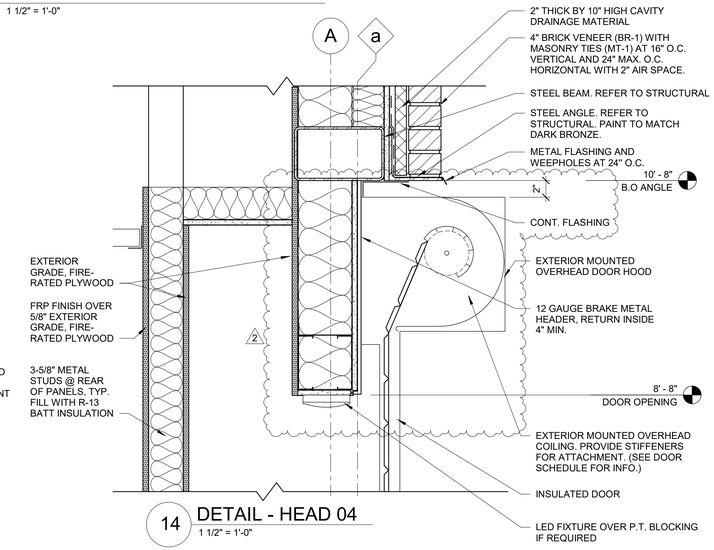
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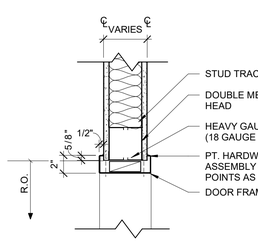
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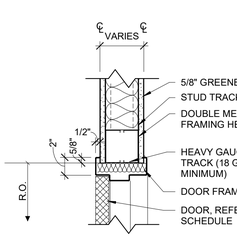
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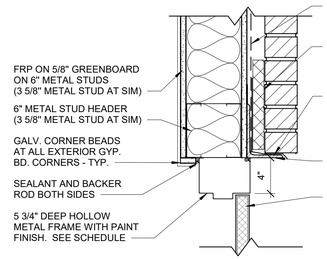
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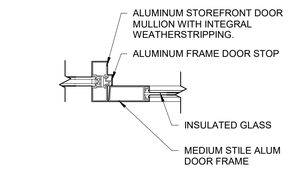
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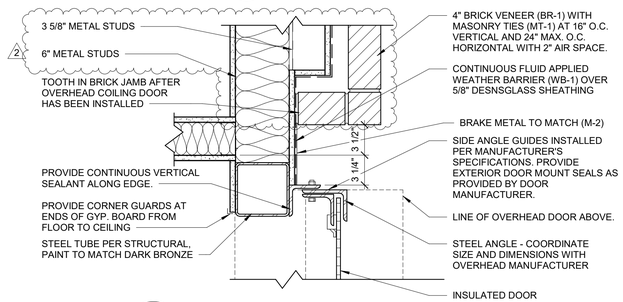
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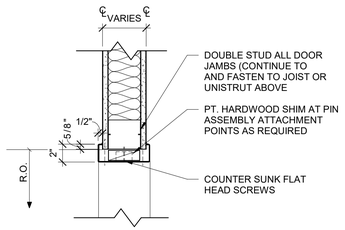
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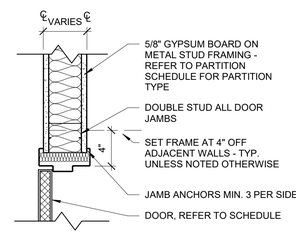
10 DETAIL - JAMB 05
1 1/2" = 1'-0"



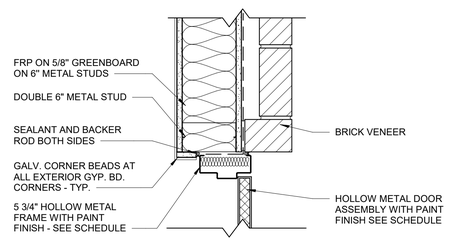
9 DETAIL - JAMB 04
1 1/2" = 1'-0"



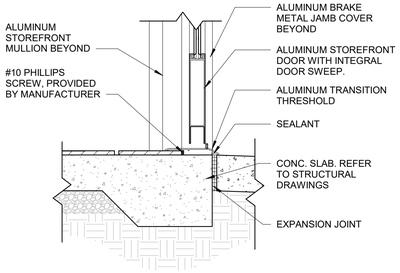
8 DETAIL - JAMB 03
1 1/2" = 1'-0"



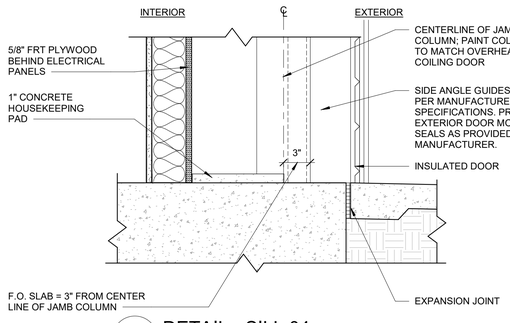
7 DETAIL - JAMB 02
1 1/2" = 1'-0"



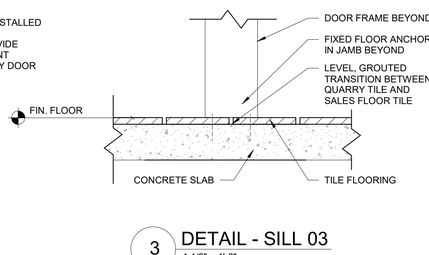
6 DETAIL - JAMB 01
1 1/2" = 1'-0"



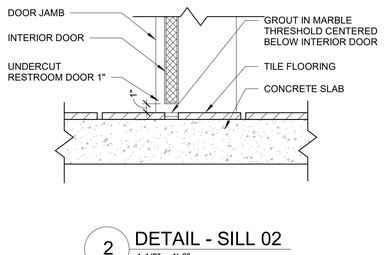
5 DETAIL - SILL 05
1 1/2" = 1'-0"



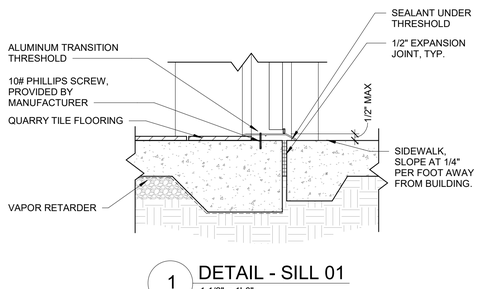
4 DETAIL - SILL 04
1 1/2" = 1'-0"



3 DETAIL - SILL 03
1 1/2" = 1'-0"



2 DETAIL - SILL 02
1 1/2" = 1'-0"



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

INCORPORATED SPB - 2021_0505

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DESIGN PROFESSIONALS

brr

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PHONE: (913) 262-9095

PROJECT MANAGER: CB

CHECKED BY: JCM

DRAWN BY: HE

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
JOHN P. FRANK
CERTIFICATE NO. RA026291
REGISTERED ARCHITECT
05/16/22

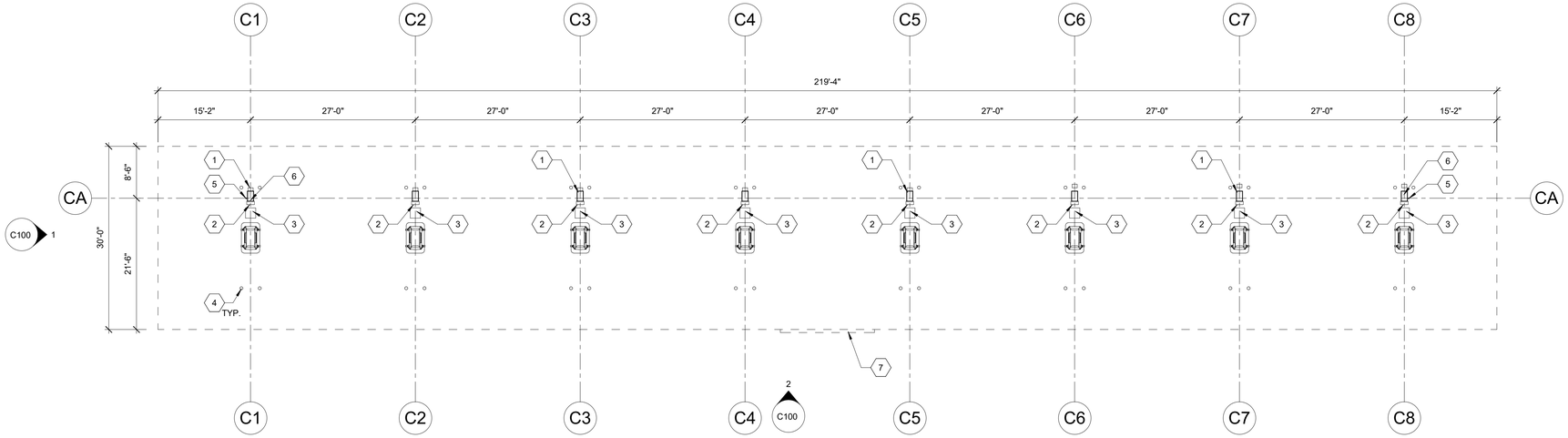
PROJECT NUMBER
63200243

SHEET TITLE

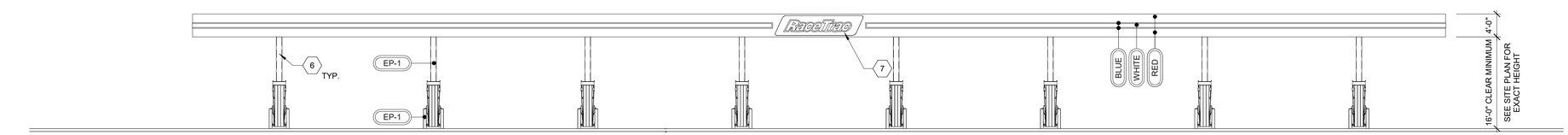
DOOR DETAILS

SHEET NUMBER

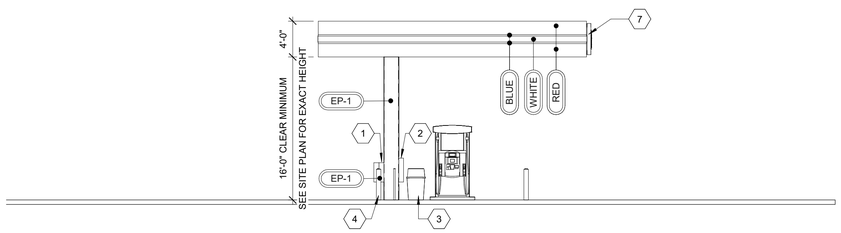
A701



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 EXTINGUISHER.
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.

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	STEEL CANOPY COLUMN, PAINTED EP-1
7	RACETRAC LOGO; REFER TO SIGN PLAN

FUEL CANOPY MATERIAL SCHEDULE

FUEL CANOPY FINISH SCHEDULE

ID	MANUF.	MATERIAL	COMMENTS
FASCIA			
BLUE	-		2" BLUE STRIPE
RED	-		REFER TO SPECIFICATION CHART ON SHEET C100
WHITE	-		8" WHITE STRIPE
PAINT			
EP-1	SHERWIN WILLIAMS	EXTERIOR PAINT TO SW #7020 "BLACK FOX"	

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

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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



05/16/22

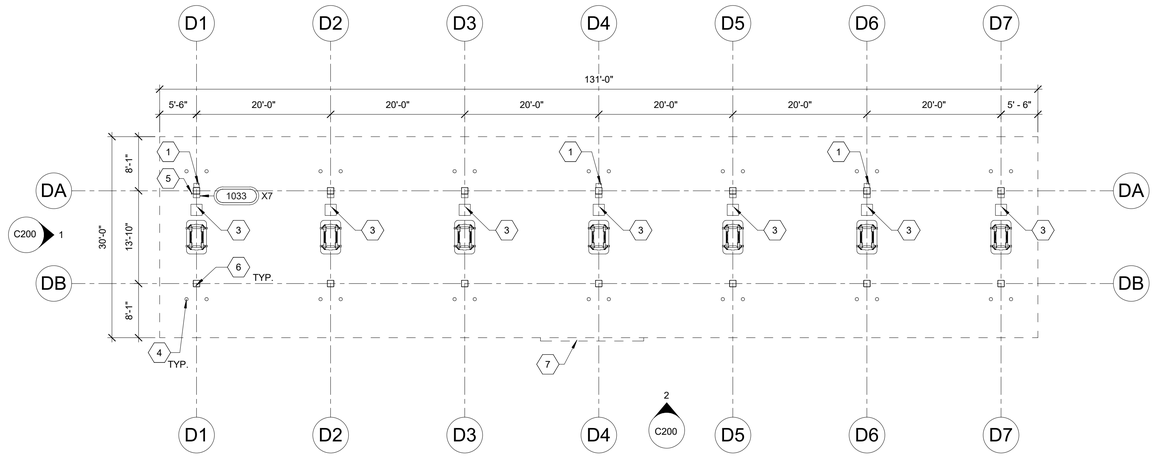
PROJECT NUMBER
63200243

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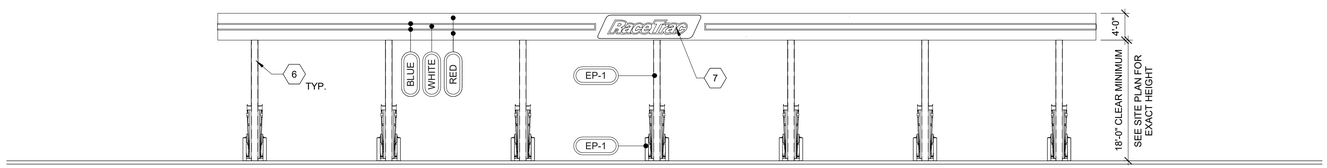
FUEL CANOPY PLANS AND ELEVATIONS

SHEET NUMBER

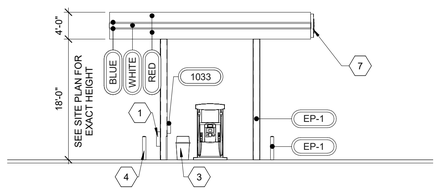
C100



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



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



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

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11. REFER TO SITE SPECIFIC PLAN FOR CONCRETE ISLAND LAYOUT.
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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	STEEL CANOPY COLUMN, PAINTED EP-1
7	RACETRAC LOGO; REFER TO SIGN PLAN

FUEL CANOPY MATERIAL SCHEDULE

FUEL CANOPY FINISH SCHEDULE

ID	MANUF.	MATERIAL	COMMENTS
FASCIA			
BLUE	-		2" BLUE STRIPE
RED	-		REFER TO SPECIFICATION CHART ON SHEET C100
WHITE	-		8" WHITE STRIPE
PAINT			
EP-1	SHERWIN WILLIAMS	EXTERIOR PAINT TO SW #7020 "BLACK FOX"	

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

ARCHITECT OF RECORD:
JOHN P. FRANK
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PHONE: (913) 262-9095

PROJECT MANAGER:
CB

CHECKED BY:
JCM

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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



05/16/22

PROJECT NUMBER
63200243

SHEET TITLE

SECONDARY 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. OPENINGS IN METAL ROOF DECK GREATER THAN 10" 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 SOLELY 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 OF 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.
18. JOHNSTON BURKHOLDER ASSOCIATES, LLC, ITS EMPLOYEES AND REPRESENTATIVES SHALL NOT BE RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK; NOR WILL THEY BE RESPONSIBLE FOR ANY FAILURE BY THE CONTRACTOR TO PERFORM OR COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. JOBSITE VISITS BY THE STRUCTURAL ENGINEER OF RECORD SHALL NOT CONSTITUTE APPROVAL, AWARENESS OR LIABILITY FOR ANY HAZARDOUS CONDITIONS.

DESIGN CRITERIA:

1. STRUCTURAL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE WITH 2020 GEORGIA AMENDMENTS.
2. LIVE LOADS:
   - ROOF LOAD .... 20 PSF
   - ACCESS PLATFORMS .... 40 PSF (2)
   - FLOOR SLAB-ON-GRADE .... 100 PSF
3. DEAD LOADS:
   - ROOF LOAD .... 25 PSF
   - ACCESS PLATFORMS .... 10 PSF (2)
4. WIND LOADS:
   - ULTIMATE WIND SPEED, Vult (3 sec. GUST) - CODE .... 106 MPH
   - - DESIGN .... 135 MPH
   - NOMINAL WIND SPEED, Vasd (3 sec. GUST) - CODE .... 82 MPH
   - - DESIGN .... 105 MPH
   - RISK CATEGORY II
   - WIND EXPOSURE C
   - INTERNAL PRESSURE COEFFICIENT (ENCLOSED) .... ± 0.18
5. SEISMIC LOADS:
   - SEISMIC IMPORTANCE FACTOR 1.0
   - RISK CATEGORY II
   - MAPPED ACCELERATIONS:
     - Ss 0.172g
     - S1 .... 0.083g
   - SITE CLASS .... D - DEFAULT
   - SPECTRAL RESPONSE COEF:
     - Sds 0.184g
     - Sd1 .... 0.133g
   - SEISMIC DESIGN CATEGORY .... B
   - RESPONSE MODIFICATION FACTOR (R) 3.0
   - 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), DRIFTING ADDITIONAL .... 3.5 PSF

FOUNDATION NOTES:

1. A SITE INVESTIGATION AND GEOTECHNICAL REPORT WAS PREPARED BY ECS SOUTHEAST, LLP (REPORT #10706 DATED 11/24/2020). THE GENERAL CONTRACTOR SHALL READ AND BECOME FAMILIAR WITH THE REPORT PRIOR TO BIDDING. ALL SITE WORK SHALL CONFORM TO SOILS REPORT AND/OR SPECIFICATIONS.
2. ALL FOUNDATIONS ARE DESIGNED TO BEAR ON NATURALLY OCCURRING SOILS OR ENGINEERED FILL CAPABLE OF SAFELY SUSTAINING 3000 PSF MINIMUM NET ALLOWABLE BEARING PRESSURE. IF SUITABLE BEARING CAPACITY AS DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER IS NOT ENCOUNTERED AT THE ELEVATION INDICATED ON THE DRAWINGS, THE GENERAL CONTRACTOR MAY, UPON THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEER, OVER-EXCAVATE UNTIL SUITABLE BEARING MATERIAL IS ENCOUNTERED. OVER-EXCAVATIONS MAY BE BACKFILLED WITH LEAN CONCRETE.
3. ALL EXTERIOR FOUNDATIONS SHALL HAVE A MINIMUM BEARING DEPTH OF 1'-6" BELOW EXTERIOR GRADE ELEVATION.
4. PRIOR TO PLACING CONCRETE, ALL DEBRIS, WATER, AND LOOSE EARTH SHALL BE REMOVED FROM THE FOUNDATION BED.
5. COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE PLACED MONOLITHICALLY WITH ADJACENT FOOTINGS AT THE SAME ELEVATION.
6. 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.
7. 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.
8. PLACEMENT AND COMPACTION OF STRUCTURAL FILL SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER. MINIMUM COMPACTION REQUIREMENTS STATED IN GEOTECHNICAL REPORT SHALL BE ACHIEVED.
9. ALL DRAIN TILE SHALL BE 4" DIA. (MIN) PERFORATED PLASTIC PIPE WITH FABRIC SOCK AND 12" MINIMUM WASHED RIVER ROCK SURROUNDING. DO NOT USE CRUSHED OR FINE GRAVEL.
10. 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. ALL CONCRETE AND REINFORCEMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE (ACI) STANDARD BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318). ALL CONCRETE WORK SHALL CONFORM TO THE ACI SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301) AND THE LATEST APPLICABLE RECOMMENDATIONS OF THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE (ACI 315).
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 #3 BELOW.

   A. CEMENTITIOUS MATERIALS:
      a. PORTLAND CEMENT, ASTM C150, TYPE 1.
      b. FLY ASH 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 APPROVAL BEFORE CONSTRUCTION BEGINS. MIX DESIGNS MUST BE SUBMITTED WITH COMPRESSIVE STRENGTH INFORMATION, FOR THAT SPECIFIC MIX. 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. ALL CONCRETE USED IN THE WORK SHALL HAVE THE FOLLOWING PROPERTIES:
   A. FOOTINGS
      - 3000 PSI STRENGTH (f'c) AT 28 DAYS
      - 0.50 MAXIMUM WATER/CEMENT RATIO
      - LESS THAN 3% AIR CONTENT
      - 4"± 1" SLUMP AT POINT OF PLACEMENT
   B. FOUNDATION WALLS
      - 4000 PSI STRENGTH (f'c) AT 28 DAYS
      - 0.50 MAXIMUM WATER/CEMENT RATIO
      - LESS THAN 3% AIR CONTENT
      - 4"± 1" SLUMP AT POINT OF PLACEMENT
   C. INTERIOR SLABS-ON-GRADE
      - 4000 PSI STRENGTH (f'c) AT 28 DAYS
      - 0.53 MAXIMUM WATER/CEMENT RATIO
      - LESS THAN 3% AIR CONTENT
      - 4"± 1" SLUMP AT POINT OF PLACEMENT
   D. EXTERIOR SLABS-ON-GRADE
      - 4000 PSI STRENGTH (f'c) AT 28 DAYS
      - 0.50 MAXIMUM WATER/CEMENT RATIO
      - 4"± 1" SLUMP AT POINT OF PLACEMENT
      - 6%±1.5% AIR CONTENT
4. SLAB ON GRADE CONTROL OR CONSTRUCTION JOINTS SHALL BE LOCATED AT COLUMN LINES AND INTERMEDIATELY SO THAT NO JOINT SPACING SHALL EXCEED 12'-0", NOR SHALL THE LENGTH OF ANY PANEL EXCEED ONE AND A HALF, (1.5), 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. REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED ACCORDING TO THE LATEST 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 (1) #4 REINFORCING BARS, 3'-0" LONG, IN CONCRETE SLABS AT ALL RE-ENTRANT CORNERS. PLACE BARS AT ONE-THIRD OF SLAB DEPTH FROM THE TOP 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.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL MATERIALS:
   - STRUCTURAL STEEL: ASTM A992, Fy = 50 KSI
   - OTHER SHAPES & PLATES: ASTM A36, Fy = 36 KSI, OR ASTM A572, GRADE 50, Fy = 50 KSI
   - STRUCTURAL TUBING (HSS): ASTM A1085, GRADE A, Fy = 50 KSI, OR ASTM A500, GRADE C, Fy = 50 KSI
   - STRUCTURAL PIPE: ASTM A53, GRADE B, Fy = 35 KSI
   - CONNECTION BOLTS: ASTM F3125, GRADE A325-N, U.N.O.
   - 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 AISC 360-16, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
3. BOLTED CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER BOLTS AND WASHERS CONFORMING TO ASTM A325 UNLESS OTHERWISE NOTED. THEY SHALL BE ASSEMBLED, INSTALLED AND INSPECTED IN ACCORDANCE WITH "RCSC-2014, SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH STRENGTH 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.
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. PROVIDE 1 1/2" NON-METALLIC, SHRINKAGE RESISTANT GROUT CONFORMING TO ASTM C1107 UNDER ALL COLUMN BASE PLATES.
9. ALL STEEL SHALL HAVE A PRIME COAT OF PAINT EXCEPT AREAS TO BE FIELD WELDED.
10. ALL PORTIONS OF STEEL ENCASED IN CONCRETE, GROUT, OR IN CONTACT WITH EARTH SHALL BE PAINTED WITH BITUMINOUS PAINT.
11. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION.
12. STEEL FABRICATOR TO BE AN AISC CERTIFIED FABRICATOR.
13. ALL PLAN DIMENSIONS ARE TO CENTERLINE OF STEEL MEMBERS, EXCEPT FOR STEEL CHANNELS, WHICH ARE DIMENSIONED TO THE BACK FACE OF THE WEB.
14. REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL BRACKETS, BRACES, SUPPORTS, ETC. NOT INDICATED ON THE STRUCTURAL DRAWINGS.
15. RECTANGULAR STRUCTURAL TUBING (HSS) SHALL BE ORIENTATED IN THE STRONG DIRECTION (LDV) UNLESS OTHERWISE NOTED - REFER TO PLANS.
16. ALL UNPAINTED EXTERIOR STEEL SHALL BE GALVANIZED.

(2)

CASTELLATED STEEL BEAM NOTES:

1. SEE STRUCTURAL STEEL NOTES FOR ADDITIONAL REQUIREMENTS.
2. THE MATERIALS USED TO FABRICATE CASTELLATED BEAMS SHALL CONFORM TO ASTM A992, Fy = 50 KSI, OR ASTM A572, Fy = 50 KSI.
3. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1.
4. SUBSTITUTIONS OF SECTIONS OR MODIFICATIONS OF DETAILS, OR BOTH, SHALL BE CLEARLY NOTED AND IDENTIFIED ON SHOP DRAWING SUBMITTAL.
5. BRIDGING TERMINATING AT WIDE FLANGE BEAMS SHALL BE ANCHORED TO BEAM. BRIDGING SHALL BE ANCHORED AT ENDS PRIOR TO APPLYING ROOF LOADS.
6. CASTELLATION OPENINGS IN ADJACENT CASTELLATED BEAMS OF SIMILAR DESIGNATION AND LENGTH SHALL BE ALIGNED TO ALLOW FOR PROPER INSTALLATION OF BRIDGING AND ROUTING OF OTHER TRADE MATERIALS.
7. FILL CASTELLATION HOLES WHERE REQUIRED FOR POINT LOADS OR BEAM CONNECTION LOCATIONS AS REQUIRED IN THE SHOP.

STEEL DECK NOTES:

1. ROOF AND CANOPY DECK (Fy = 50 KSI - MIN.):

   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. STEEL 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, UNLESS OTHERWISE NOTED.
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 STEEL 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 STEEL DECK (2)
   REINFORCING STEEL
   CONCRETE MIX DESIGN
   MASONRY UNITS, REINFORCING, MORTAR AND GROUT
   LIGHT GAUGE METAL FRAMING AND CONNECTIONS (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 PROJECTMATES. ELECTRONIC COPIES OF SHOP DRAWINGS WILL ONLY BE ACCEPTED WITH THE APPROVAL OF THE ENGINEER OF RECORD. REPRODUCTION OF 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 APPROVED 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.

   (2) C. CASTELLATED STEEL BEAM SUBMITTALS SHALL HAVE JOB-SPECIFIC DETAILS INCLUDING COMPLETE DETAILS AND SCHEDULES FOR FABRICATION AND SHOP ASSEMBLY OF MEMBERS. INCLUDE DETAILS OF CUTS, CONNECTIONS, CAMBER, HOLES, FILLED HOLES, AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS SYMBOLS AND SHOW SIZE, LENGTH, AND TYPE OF EACH WELD.
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 THEIR 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. APPROVED SHOP DRAWINGS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

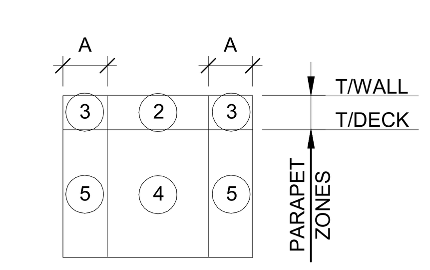
MASONRY NOTES:

1. MATERIALS, TESTING AND STORAGE OF MATERIALS SHALL CONFORM TO TMS 402-16 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND TMS 602-16 "SPECIFICATION FOR MASONRY STRUCTURES."
2. CONCRETE MASONRY UNITS:
   - MASONRY UNITS SHALL CONFORM TO ASTM C90, LIGHTWEIGHT UNITS
   - UNIT MINIMUM NET AREA COMPRESSIVE STRENGTH = 2000 PSI
   - MORTAR SHALL CONFORM TO ASTM C270 CEMENT-LIME, TYPE S
   - MINIMUM MASONRY MORTAR SYSTEM COMPRESSIVE STRENGTH (f'm) = 2000 PSI BASED ON NET AREA
   - GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8", A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI, AND A MINIMUM SLUMP OF 9 INCHES AND A MAXIMUM SLUMP OF 11 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 SCHEDULE FOR LAP SPLICE LENGTHS.
6. HORIZONTAL JOINT REINFORCING SHALL BE LADDER TYPE, HOT DIPPED GALVANIZED, AND SPACED AT 16" ON CENTER, WITH A MINIMUM WIRE SIZE OF W1.7, UNLESS OTHERWISE NOTED. MINIMUM STRAIGHT LAP = 16" AND MINIMUM CORNER OR TEE LAP = 30". JOINT REINFORCING SHALL BE FULLY EMBEDDED IN MORTAR WITH A MINIMUM COVER OF 5/8" FROM FACE OF MORTAR. DISCONTINUE HORIZONTAL JOINT 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 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", UNLESS OTHERWISE NOTED.
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.
13. (2) THE MASONRY CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY BRACING OF MASONRY WALLS DURING CONSTRUCTION, AS REQUIRED.

WIND PRESSURES - COMPONENT AND CLADDING
135 MPH - EXPOSURE C - ASCE 7-16

	Zone	10 SF	50 SF	100 SF
Roof	1	16.2 psf	16.0 psf	16.0 psf
		-63.3 psf	-53.6 psf	-49.4 psf
	2	36.4 psf	32.6 psf	31.0 psf
		-83.5 psf	-71.0 psf	-65.7 psf
	3	36.4 psf	32.6 psf	31.0 psf
		-83.5. psf	-71.0 psf	-65.7 psf
Canopy Soffit	Typical	29.5 psf	25.8 psf	21.2 psf
		-29.5 psf	-26.2 psf	-22.2 psf
Walls	Zone	10 SF	50 SF	100 SF
	4	36.4 psf	32.6 psf	31.0 psf
		-39.4 psf	-35.6 psf	-34.0 psf
	5	36.4 psf	32.6 psf	31.0 psf
		-48.5 psf	-41.0 psf	-37.8 psf
Parapets	Zone	10 SF	20 SF	50 SF
	2	117.9 psf	100.1 psf	92.5 psf
		-69.6 psf	-61.4 psf	-57.9 psf
	3	117.9 psf	100.1 psf	92.5 psf
		-79.6 psf	-67.3 psf	-62.0 psf
Notes	1. TRIBUTARY PRESSURES ARE FOR THE SQUARE FOOT (SF) TRIBUTARY AREA SHOWN. FOR OTHER TRIBUTARY AREAS, LOGARITHMICALLY 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 WIND SPEEDS. TO CONVERT TO NOMINAL WIND PRESSURES MULTIPLE VALUES BY 0.6. 4. PARAPET PRESSURES ARE FOR SOLID SURFACES, WHERE BOTH SURFACES ARE CONNECTED TOGETHER (NO NET INTERNAL PRESSURE). 5. TO OBTAIN ROOF JOIST NET UPLIFT PRESSURES, REDUCE NOMINAL WIND PRESSURES, SEE NOTE #3, BY 6 PSF RELIABLE DEAD LOAD.			

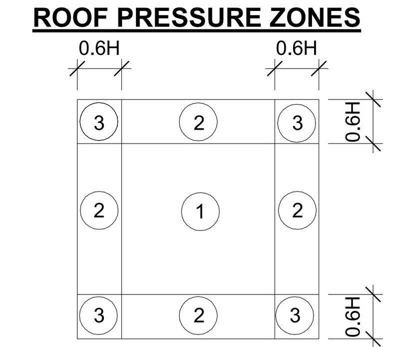
COMPONENT AND CLADDING WALL PRESSURE ZONES



A = 5.8 FEET

ELEVATION

COMPONENT AND CLADDING ROOF PRESSURE ZONES



0.6H = 8.6 FEET

PLAN

INCORPORATED SPBS
2021_0203; 2021_0401; 2021_0505

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CONSULTANT PROJECT #: 20480

PROJECT MANAGER: RWC

CHECKED BY: BWM

DRAWN BY: JBA

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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PROJECT NAME

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GA 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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 63200243

SHEET TITLE

GENERAL STRUCTURAL NOTES

SHEET NUMBER

S000

PRE-ENGINEERED LIGHT GAUGE STRUCTURAL FRAMING:

GENERAL:

1. LIGHT GAUGE FRAMING AND CONNECTIONS 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 162-43 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"

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

      FASTENING TO CONCRETE:
      USE 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 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:

   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. 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.

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

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

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

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

13. 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.

14. 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.

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

16. 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:

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

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

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

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

      b. INTERIOR 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.

   C. DESIGN FRAMING SYSTEMS AND CONNECTIONS 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.

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

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

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

SUBMITTALS:

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

2. 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.

   A. 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:

1. 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.

2. 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 GAUGE METAL NOTES, PLANS AND DETAILS REQUIRED TO COMPLETE SYSTEM.

3. 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".

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. 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

3. ALL 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 SCREWS SHALL BE OF THE SAME DIAMETER. BOLTS AND LAG SCREWS SHALL NOT BE HAMMERED INTO WOOD MEMBERS.

4. 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 EDGE PANEL CLIPS OR BLOCKING WHERE ROOF FRAMING EXCEEDS 16" ON CENTER.

5. NOTCHES AT THE ENDS OF SOLID SAWN JOISTS SHALL NOT EXCEED 1/4 OF THE RAFTER DEPTH. HOLES FORED IN SOLID SAWN JOISTS SHALL NOT BE MADE WITHIN 2" OF THE TOP OR BOTTOM OF THE JOIST, WITH THE DIAMETER NOT TO EXCEED 1/3 OF THE RAFTER DEPTH. NOTCHES AT THE BOTTOMOF SOLID SAWN JOISTS SHALL NOT EXCEED 1/6 OF THE RAFTER DEPTH AND SHALL NOT BE LOCATED WITHIN THE MIDDLE 1/3 OF THE SPAN.

6. ALL NAILS SHALL BE "COMMON" HOT DIP GALVANIZED UNLESS OTHERWISE NOTED.
   A. 8d = 0.131" DIA x 2 1/2"
   B. 10d = 0.148" DIA x 3"
   C. 12d = 0.148" DIA x 3 1/4"
   D. 16d = 0.162" DIA x 3 1/2"

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
COND	CONDENSING UNIT	O.H.	OPPOSITE HAND
CONN	CONNECTION	OPNG	OPENING
CONT	CONTINUOUS	OPP.	OPPOSITE
CONST	CONSTRUCTION		
CONTR.	CONTRACTOR	P.A.F.	POWDER ACTUATED FASTENER
COORD	COORDINATE	PJF	PREMOLDED JOINT FILLER
CTR.	CENTER	PL	PLATE
		PLYWD.	PLYWOOD
DET.	DETAIL	PREFAB.	PREFABRICATED
DIA	DIAMETER	P.T.	PRESSURE TREATED
DN	DOWN	PTD.	PAINTED
DIM.	DIMENSION		
DWG.	DRAWING	RAD.	RADIUS
		REINF	REINFORCING
EA.	EACH	REQ'D	REQUIRED
E.J.	EXPANSION JOINT		
EL	ELEVATION	SECT.	SECTION
ELEV.	ELEVATION	SHT.	SHEET
E.O.R.	ENGINEER OF RECORD	SIM.	SIMILAR
E.W.	EACH WAY	SPCS	SPACES
EXIST.	EXISTING	SQ.	SQUARE
E.O.S.	EDGE OF SLAB	STD.	STANDARD
EQ	EQUAL	STL	STEEL
		STRUC.	STRUCTURAL
F.F.	FINISH FLOOR	S.W.	SHORT WAY
FIN. FLR.	FINISH FLOOR		
FT.	FOOT	T/	TOP OF
F.S.	FOOTING STEP	T.D.S.	TURN DOWN STEP
FTG.	FOOTING	THK.	THICK
F.V.	FIELD VERIFY	THRU	THROUGH
		T.O.S.	TOP OF STEEL
GA.	GAUGE	TYP	TYPICAL
GALV.	GALVANIZED	T&B	TOP AND BOTTOM
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		
LDH	LONG DIMENSION HORIZONTAL		
LDV	LONG DIMENSION VERTICAL		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
L.W.	LONG WAY		

INCORPORATED SPBS

2021_0203

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PROJECT MANAGER: RWC
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ISSUE/REVISION RECORD

DATE	DESCRIPTION
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PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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. 25980
PROFESSIONAL
ENGINEER
BRIAN J. HALVERSON
05/12/22

PROJECT NUMBER
63200243

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 THE 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, 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 IBC 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 WORK INSPECTED OR TESTED 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 REQUIRED SPECIAL INSPECTIONS AND TESTS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS 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, 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 AN UNAPPROVED 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.

2 EXAMPLE: AISC CERTIFICATION FOR A STEEL FABRICATOR.

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 FOR 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.

MASONRY TESTING NOTES:

CONCRETE MASONRY TESTING AND INSPECTION SHALL BE PREFORMED 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 (3) SPECIMENS.

FREQUENCY OF TESTING: AT THE BEGINNING OF MASONRY CONSTRUCTION AND ONCE 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.

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 HIGH-STRENGTH 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.

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	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	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. VERIFY ANCHOR DIAMETER, GRADE, TYPE, LENGTH, & EMBEDMENT (SEE 1705.3)	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
7) 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 SUBMITTAL
B	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	Y	EACH SUBMITTAL

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, (TYPE/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

2

1705.3 CONCRETE CONSTRUCTION

MATERIAL/ ACTIVITY	APPLICABLE TO PROJECT Y/N	EXTENT	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	Y	PERIODIC	ACI 318 CH.20, 25.2, 25.3, 26.6.1.-26.6.3	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 PERIODIC CONTINUOUS	AWS D1.4 ACI 318: 26.6.4	-
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	CONTINUOUS 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 SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Y	CONTINUOUS	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Y	CONTINUOUS	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	Y	PERIODIC	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING FORCES b. GROUTING OF BONDED PRESTRESSING TENDONS.	N N	CONTINUOUS CONTINUOUS	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	N	PERIODIC	ACI 318: CH 26.9	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	N	PERIODIC	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	Y	PERIODIC	ACI 318: 26.11.1.2(b)	-
13. CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS.	Y	PERIODIC	-	-

[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 - LEVEL 2 VERIFICATION AND INSPECTION

MATERIAL/ACTIVITY	APPLICABLE TO PROJECT Y/N	EXTENT LEVEL 1	**LEVEL 2**	LEVEL 3
MINIMUM VERIFICATION REQUIREMENTS				
1. PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS.	Y	R	R	R
2. PRIOR TO CONSTRUCTION, VERIFICATION OF F'M AND F'AAC, EXCEPT WHERE SPECIFICALLY EXEMPT BY THE CODE.	Y	NR	R	R
3. DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE.	Y	NR	R	R
4. DURING CONSTRUCTION, VERIFICATION OF F'M AND F'ACC FOR EVERY 5000 SQUARE FEET.	N	NR	NR	R
5. DURING CONSTRUCTION, VERIFICATION OF PROPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT.	N	NR	NR	R
MINIMUM INSPECTION REQUIREMENTS				
1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
a. PROPORTIONS OF SITE-PREPARED MORTAR	Y	NR	P	P
b. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGE	N	NR	P	P
c. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGE	Y	NR	P	P
d. PRESTRESSING TECHNIQUE	N	NR	P	P
e. PROPERTIES OF THIN-BED MORTAR FOR ACC MASONRY	N	NR	C(b) / P(c)	C
f. SAMPLE PANEL CONSTRUCTION	N	NR	P	C
2. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
a. GROUT SPACE	Y	NR	P	C
b. PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES	N	NR	P	P
c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	Y	NR	P	C
d. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	Y	NR	P	P
3. VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:				
a. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS	Y	NR	P	P
b. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION	Y	NR	P	P
c. SIZE AND LOCATION OF STRUCTURAL MEMBERS	Y	NR	P	P
d. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	Y	NR	P	C
e. WELDING OF REINFORCEMENT	N	NR	C	C
f. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEG F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEG F)	Y	NR	P	P
g. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	N	NR	C	C
h. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	Y	NR	C	C
i. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	N	NR	C(b) / P(c)	C
4. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	Y	NR	P	C

[a] FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE LISTED TASK OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE:
NR = NOT REQUIRED, R = REQUIRED, P = PERIODIC, C = CONTINUOUS
(b) REQUIRED FOR THE FIRST 5000 SQUARE FEET OF AAC MASONRY.
(c) REQUIRED AFTER THE FIRST 5000 SQUARE FEET OF AAC MASONRY.

1705.6 SOILS

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT Y/N	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. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	FIELD INSPECTION	Y	PERIODIC
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND 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

1705.16 EXTERIOR INSULATION AND FINISH SYSTEM (EFIS)

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT Y/N	EXTENT
1. VERIFY MATERIALS, DETAILS AND INSTALLATIONS ARE PER THE APPROVED CONSTRUCTION DOCUMENTS. A. MANDATORY EXCEPT FOR APPLICATIONS INSTALLED OVER MASONRY OR CONCRETE WALLS, OR WHERE INSTALLED OVER A WATER RESISTIVE BARRIER WITH A MEANS OF DRAINING MIOSTURE TO THE EXTERIOR.	FIELD INSPECTION	Y	PERIODIC
2. INSPECTION OF WATER-RESISTIVE BARRIER OVER SHEATHING SUBSTRATE. A. MANDATORY WHERE WATER-RESISTIVE BARRIER COATING IS INSTALLED OVER SHEATHING SUBSTRATE.	FIELD INSPECTION	Y	PERIODIC (PER REQUIREMENTS OF ASTM E2570)

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 PROFESSIONAL.
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 IBC 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. NON-DESTRUCTIVE TESTING (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 PREFORMED.

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CONSULTANT PROJECT #: 20480

PROJECT MANAGER: RWC
CHECKED BY: BWM
DRAWN BY: JBA

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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PROJECT NAME
ANVIL BLOCK, GA

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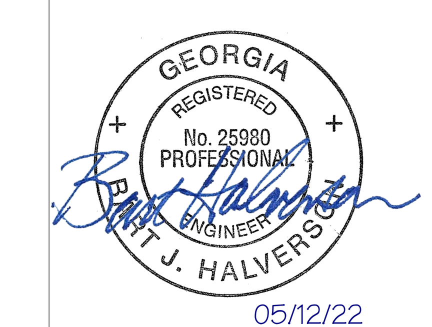
RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21

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.

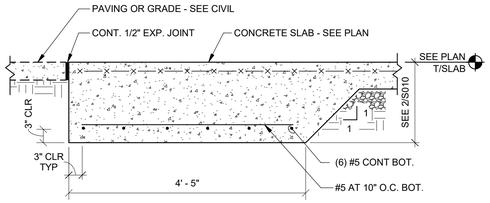
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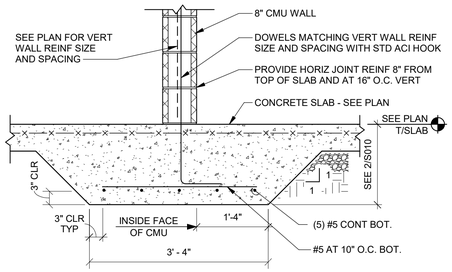
PROJECT NUMBER
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SHEET TITLE
SPECIAL INSPECTIONS AND NOTES

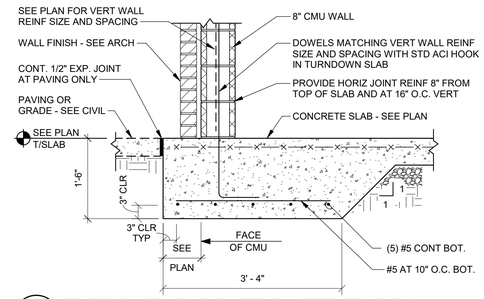
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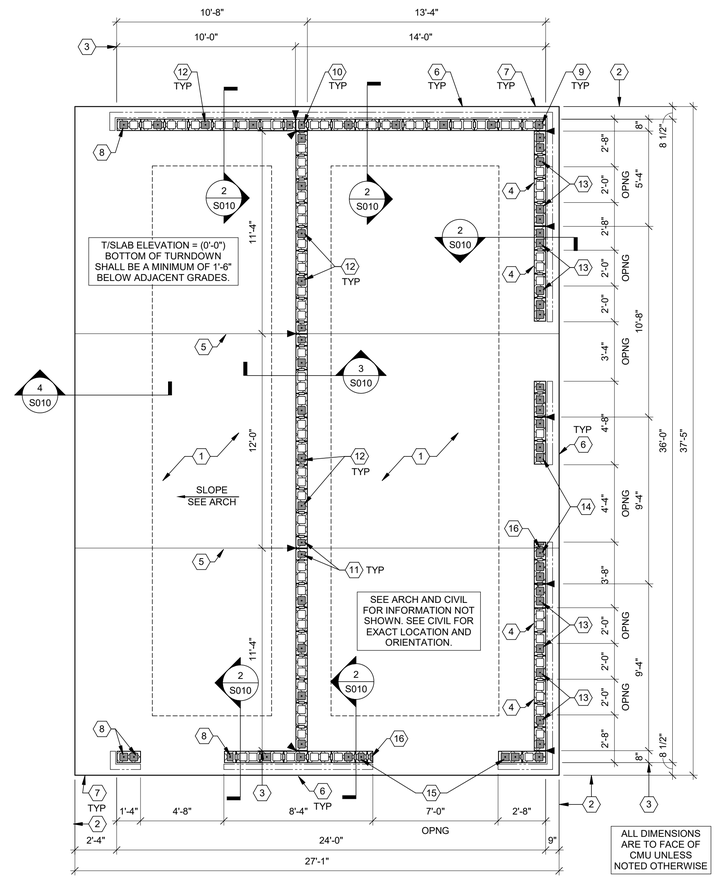
4 DUMPSTER SLAB TURNDOWN
3/4" = 1'-0"



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



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



1A DUMPSTER ENCLOSURE FOUNDATION PLAN
1/4" = 1'-0"

C_LH_V2

GENERAL NOTES

1. PROVIDE STEEL OR CAST IRON PIPE SLEEVE FOR PIPES PASSING UNDER FOOTINGS.
2. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR ANY SIDEWALK, PLANTER, OR PAVER LOCATIONS AND DETAILS.
3. CONDUITS AND PIPES EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD THE OVERALL THICKNESS OF THE SLAB.
4. CONDUITS AND PIPES EMBEDDED IN SLABS SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER.
5. A MINIMUM SLAB THICKNESS OF 2 1/2" MUST BE MAINTAINED OVER ITEMS EMBEDDED IN THE SLAB.
6. COORDINATE SLOPED SLABS AND DRAIN LOCATIONS WITH ARCHITECTURAL SND CIVIL DRAWINGS.

LEGEND

INDICATES CMU CONTROL JOINT - SEE ARCH FOR DETAILS AND ADDITIONAL INFORMATION.

SHEET KEYNOTES

1.	6" CONCRETE SLAB REINFORCED WITH 6x6-W2.9xW2.9 WWF (IN SHEETS) LOCATED 2" FROM TOP OF SLAB. SEE GEOTECHNICAL REPORT FOR BASE MATERIAL.
2.	EDGE OF SLAB.
3.	MASONRY EXPANION JOINT - SEE ARCH FOR DETAILS.
4.	OPENING ABOVE FINISHED FLOOR ELEVATION - SEE ARCH FOR HEIGHT AND LOCATION.
5.	SLAB CONTROL JOINT - SEE 5/S430.
6.	PROVIDE 3/4" CHAMFER AT EDGE OF SLAB TURNDOWN WHERE NOT ADJACENT TO PAVING - SEE ARCH AND CIVIL, TYP.
7.	PROVIDE CORNER BARS IN SLAB TURNDOWN TO MATCH SIZE OF LONGITUDINAL REINFORCEMENT - TYP.
8.	(1) VERTICALLY REINFORCED CELL AT END OF WALL - TYP.
9.	(1) VERTICALLY REINFORCED CELL AT CORNERS - TYP.
10.	(1) VERTICALLY REINFORCED CELL AT CMU WALL INTERSECTION - TYP.
11.	(1) VERTICALLY REINFORCED CELL EACH SIDE OF CMU EXPANSION JOINT - TYP.
12.	TYPICAL CMU WALL VERTICAL REINFORCMENET U.N.O.: (1) #6 AT 32" O.C. - FULLY GROUT ALL REINFORCED CELLS.
13.	(1) VERTICALLY REINFORCED CELL EACH END OF MASONRY OPENING UP TO 2'-0".
14.	(2) VERTICALLY REINFORCED CELLS EACH END OF MASONRY OPENING UP TO 4'-4".
15.	(2) VERTICALLY REINFORCED CELLS EACH END OF MASONRY OPENING UP TO 7'-0".
16.	FULLY GROUT PARTIAL CELLS AT MASONRY OPENINGS.

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CONSULTANT PROJECT #: 20480

PROJECT MANAGER: RWC

CHECKED BY: BWM

DRAWN BY: JBA

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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PROJECT NAME

ANVIL BLOCK, GA

ELLEWOOD
GA 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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. 25980 PROFESSIONAL ENGINEER J. HALVERSON

05/12/22

PROJECT NUMBER
63200243

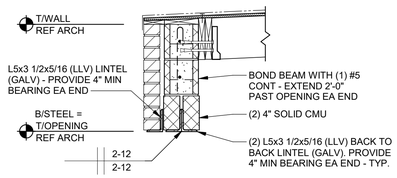
SHEET TITLE

ENCLOSURE FOUNDATION PLANS AND DETAILS

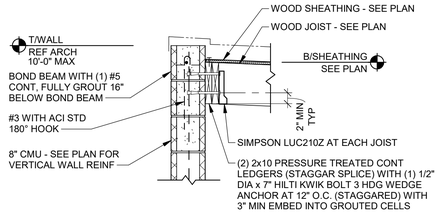
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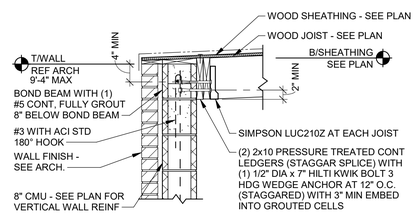
NOTE:
SEE PLAN FOR ORIENTATION OF ROOF FRAMING. VENEER LINTEL MAY NOT ALIGN WITH CMU LINTEL - SEE ARCH.



5 LINTEL AT CMU WALL OPENING
3/4" = 1'-0"

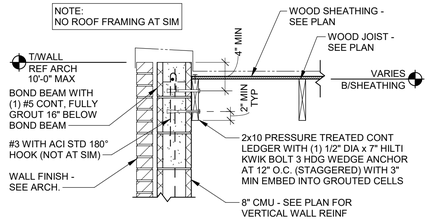


4 CMU BEARING WALL
3/4" = 1'-0"

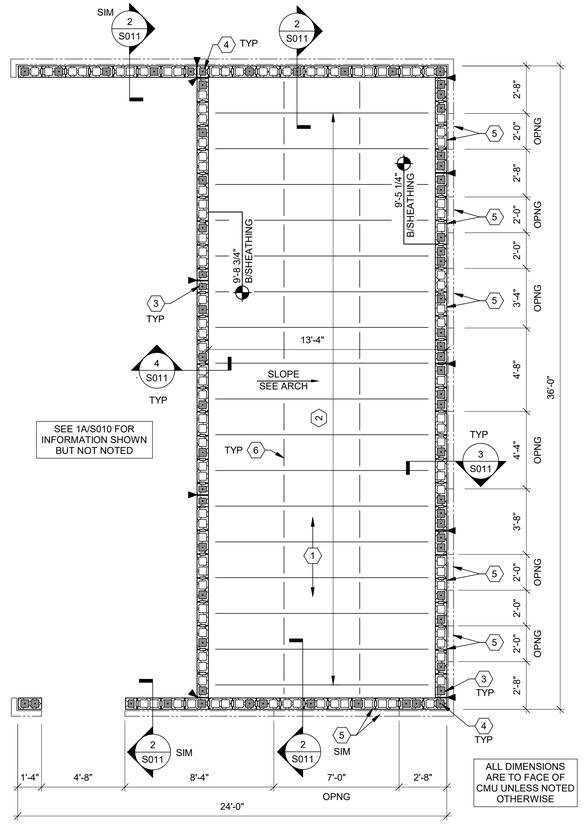


3 CMU BEARING WALL
3/4" = 1'-0"

NOTE:
NO ROOF FRAMING AT SIM



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



1A DUMPSTER ENCLOSURE ROOF FRAMING PLAN
1/4" = 1'-0"
C_LH_V2

LEGEND

INDICATES CMU CONTROL JOINT - SEE ARCH FOR DETAILS AND ADDITIONAL INFORMATION.

SHEET KEYNOTES

1.	19/32" MIN THICKNESS, 40/20 APA SPAN RATED CDX WOOD SHEATHING. EXPOSURE 1, UNBLOCKED. ATTACH WITH 10d NAILS AT 6" OC AT PANEL EDGES AND AT 12" OC AT INTERMEDIATE SUPPORTS (FIELD). RUN PANELS PERPENDICULAR TO FRAMING AND STAGGER END JOINTS.
2.	2x10 PRESSURE TREATED (NO. 2) WOOD JOISTS AT 24" O.C. MAX.
3.	TOP OF WALL BOND BEAM REINF SHALL BE CONTINOUS THROUGH CONTROL JOINTS.
4.	PROVIDE 2'-0"x2'-0" CORNER BARS IN BOND BEAM AT TOP OF WALL AT CORNERS AND WALL INTERSECTIONS.
5.	SEE DETAIL 5/S011 FOR STEEL LINTEL AT CMU AND BRICK VENEER AT OPENING.
6.	2x10 BLOCKING AT (3) EQUAL SPACES - ATTACH EA END WITH (2) 10d TOENAILS.

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2021_0203

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DESIGN PROFESSIONALS

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CONSULTANT PROJECT #: 20480

PROJECT MANAGER: RWC
CHECKED BY: BWM
DRAWN BY: JBA

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLEWOOD
GA 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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.

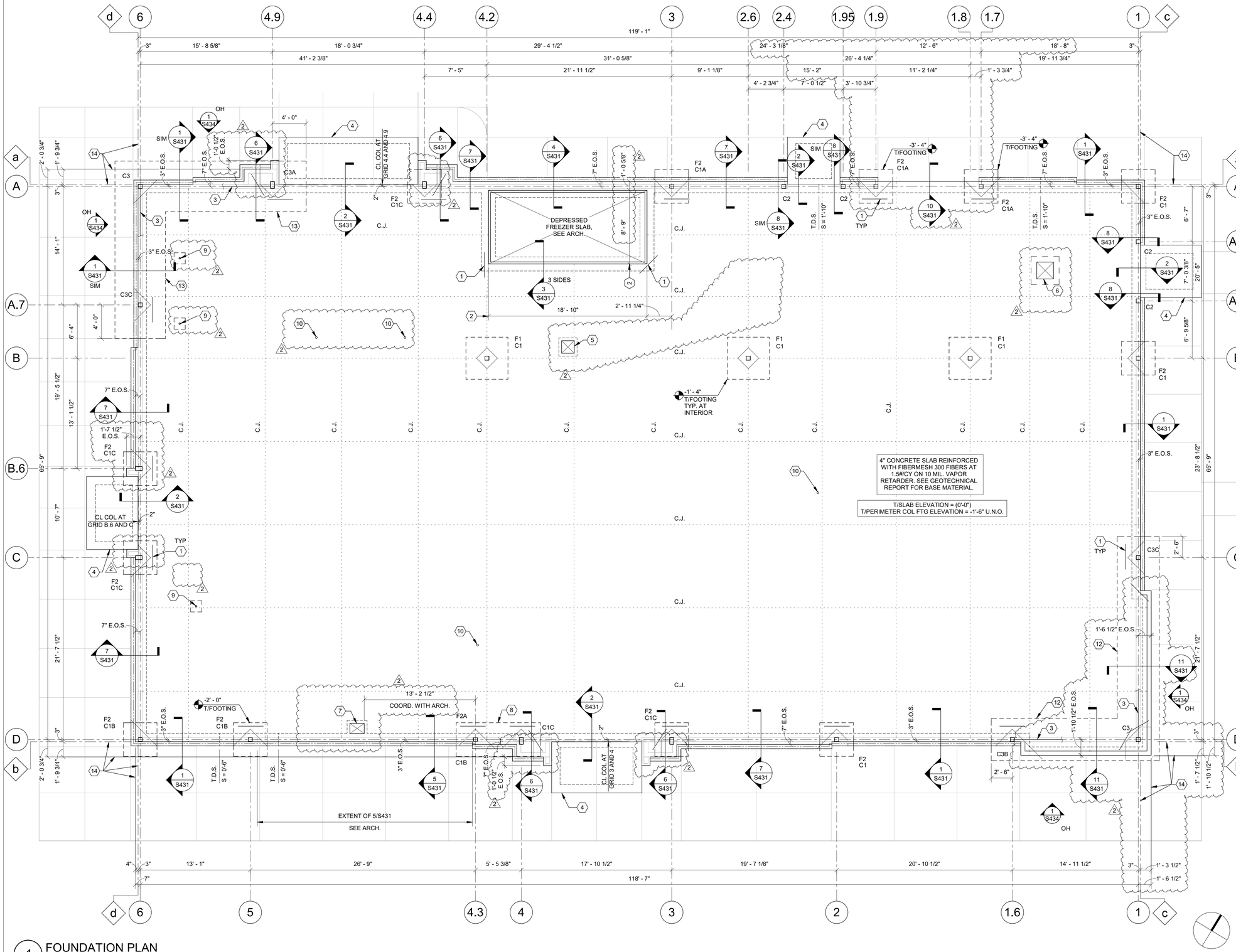
PROFESSIONAL SEAL

GEORGIA REGISTERED No. 25980 PROFESSIONAL ENGINEER R. J. HALVERSON
05/12/22

PROJECT NUMBER
63200243

SHEET TITLE
2
ENCLOSURE ROOF FRAMING PLANS AND DETAILS

SHEET NUMBER
S011



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

GENERAL NOTES

1. STEP FOOTINGS BELOW MECHANICAL, ELECTRICAL OR PLUMBING LINES AS 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 1'-6" BELOW ADJACENT GRADES.
4. PROVIDE LEVELING NUTS ON ANCHOR RODS 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. PROVIDE FIRST JOINT NO MORE THAN 6'-0" FROM TYPICAL EDGE OF SLAB.
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 OF 2 1/2" MUST BE MAINTAINED OVER ITEMS EMBEDDED IN THE SLAB.
11. COORDINATE DEPRESSED FREEZER SLAB SIZE WITH ARCHITECTURAL AND APPROVED VENDOR DRAWINGS.

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 GROUD-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 APPROVED VENDOR DRAWINGS.
3.	BRACED FRAME. SEE DETAIL 3/S434 FOR BOTTOM OF BRACED FRAME.
4.	TURNDOWN SLAB, SEE 9/S430.
5.	TYPICAL FLOOR PIT, SEE 10/S430.
6.	MOP SINK DEPRESSION SLOPED TO DRAIN. SEE 13/S430 AND ARCH DRAWINGS FOR DETAILS.
7.	SAFE PIT. SEE 9/S431 FOR SAFE PIT DETAIL.
8.	CENTER FOOTING ON COLUMN GROUP.
9.	HSS2x2x3/16 PARTITION POST CORED AND SET IN 1'-4"x1'-4"x0'-8" THICKENED SLAB - SEE ARCH. FOR LOCATIONS. PROVIDE (2) #4 x 4'-0" AT MID-DEPTH OF SLAB.
10.	RECESSED EQUIPMENT OUTLET, COORDINATE WITH ELECTRICAL.
11.	NOT USED.
12.	5'-0" WIDE x 1'-8" THK. MAT FOUNDATION - REINFORCE WITH (7) #6 LONGITUDINAL T&B, PROVIDE STD ACI 90° HOOKS AT TOP BARS EACH END, AND WITH #6 TRANSVERSE AT 18" OC T&B. OVERLAP LONGITUDINAL REINFORCING AT INTERSECTION AT COLUMN. EXTEND MAT FOUNDATION 2'-6" BEYOND COLUMN GRID, AS SHOWN.
13.	6'-0" WIDE x 2'-0" THK. MAT FOUNDATION - REINFORCE WITH (7) #6 LONGITUDINAL T&B, PROVIDE STD ACI 90° HOOKS AT TOP BARS EACH END, AND WITH #6 TRANSVERSE AT 18" OC T&B. OVERLAP LONGITUDINAL REINFORCING AT INTERSECTION AT COLUMN. EXTEND MAT FOUNDATION 4'-0" BEYOND COLUMN GRID, AS SHOWN.
14.	EDGE OF SLAB.

FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICKNESS	REINFORCING
F1	5' - 0"	5' - 0"	1' - 4"	(5) #5 E.W. T&B
F2	4' - 0"	4' - 0"	1' - 4"	(4) #5 E.W. T&B
F2A	4' - 0"	10' - 0"	1' - 4"	(4) #5 L.W. T&B AND (10) #5 S.W. T&B

COLUMN SCHEDULE

MARK	SIZE	BASE PL SIZE	BASE PL TYPE	ANCHOR BOLTS
C1	HSS6X6X1/4	3/4"x12"x1'-0"	TYPE A	(4) 3/4" DIA x 0'-9" EMBED
C1A	HSS6X6X5/16	3/4"x12"x1'-0"	TYPE A	(4) 3/4" DIA x 0'-9" EMBED
C1B	HSS6X6X3/8	3/4"x12"x1'-0"	TYPE A	(4) 3/4" DIA x 0'-9" EMBED
C1C	HSS10X6X3/8	3/4"x12"x1'-4"	TYPE A	(4) 3/4" DIA x 0'-9" EMBED
C2	HSS6X6X1/4	1/2"x6"x1'-0"	TYPE B	SEE 8/S431
C3	HSS6X6X1/4	1"x14"x1'-6"	TYPE D	(6) 1" DIA x 1'-4" EMBED
C3A	HSS10X6X3/8	1"x14"x1'-6"	TYPE E	(4) 1" DIA x 1'-4" EMBED
C3B	HSS6X6X5/16	1"x14"x1'-2"	TYPE C	(4) 1" DIA x 1'-4" EMBED
C3C	HSS6X6X3/8	1"x14"x1'-2"	TYPE A SIM	(4) 1" DIA x 1'-4" EMBED

NOTE: SEE 8/S430 AND 3/S434 FOR BASE PLATE TYPES

INCORPORATE SPB

2021_0101; 2021_0106; 2021_0204; 2021_0303; 2021_0501; 2021_0503; 2021_0504; 2021_0505; 2021_0506

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GEORGIA REGISTERED No. 25980 PROFESSIONAL ENGINEER W. HALVERSON
05/12/22

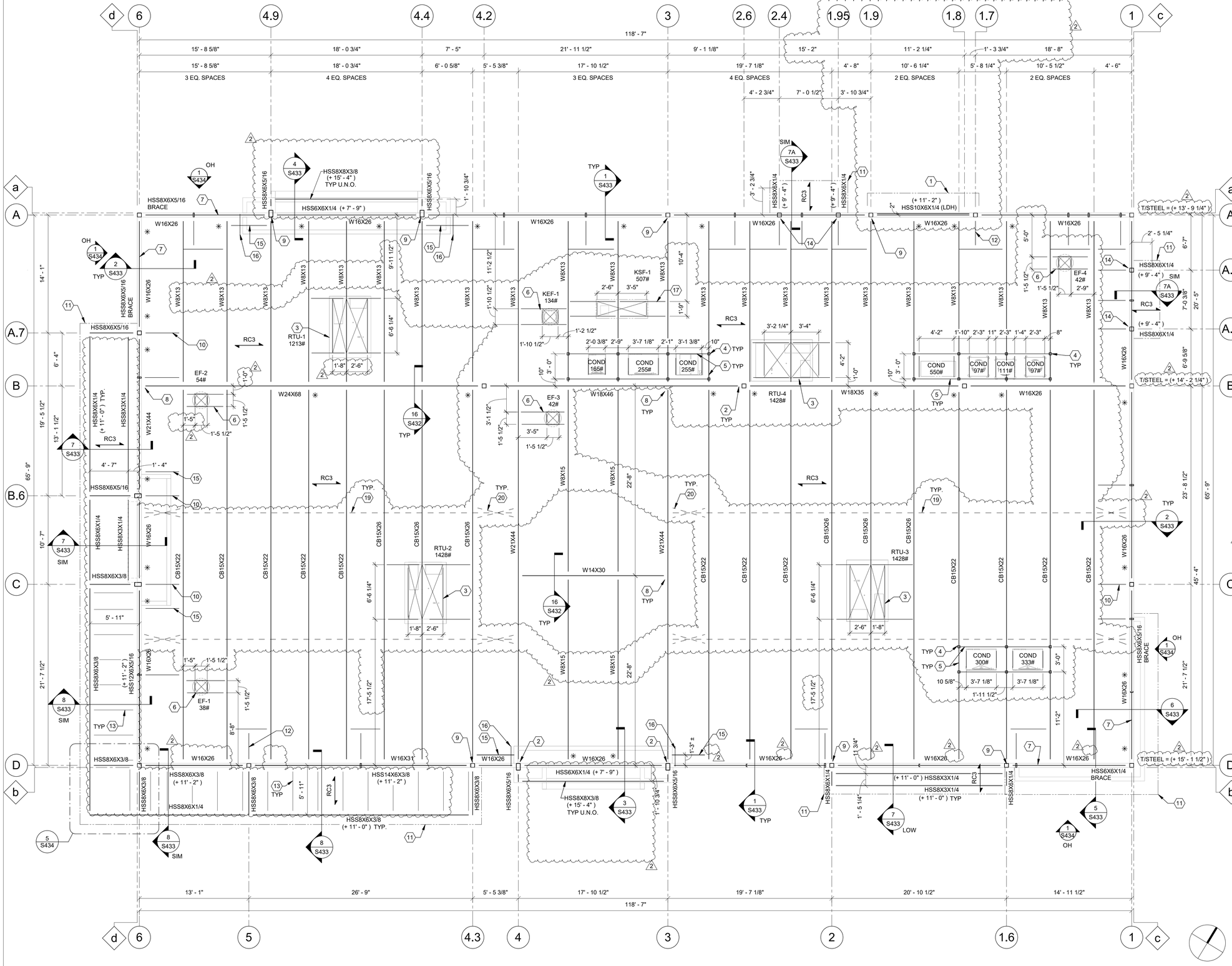
PROJECT NUMBER
63200243

SHEET TITLE

FOUNDATION PLAN

SHEET NUMBER

S120



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

GENERAL NOTES

1. STRUCRUAL STEEL ERECTION SHALL BE IN ACCORDANCE WITH AISC 360, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. UPLIFT BRIDGING IS REQUIRED AT ROOF BEAMS. OFFSET BRIDGING WHERE REQUIRED AT ROOF TOP MECHANICAL UNITS. REFER TO PLAN AND DETAILS FOR TYPICAL BEAM BRIDGING INFORMATION.
3. ROOF TOP UNIT CURB SHALL ATTACH TO STEEL SUPPORT FRAMING WITH #12 TEK SCREWS AT 6" O.C. OR BY 5/8" DIA. PUDDLE WELDS AT 6" O.C. 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.
4. ROOF DECK WELD PATTERN TO SUPPORTING MEMBERS SHALL BE A 36/7 PATTERN OF 5/8" DIA. PUDDLE WELDS. DECK SIDELAP FASTENERS SHALL BE (4) #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.
5. [X'-X"] INDICATES TOP OF COLUMN ELEVATION ABOVE FINISHED FLOOR.
6. [U.T.BM.] INDICATES TOP OF COLUMN IS BOTTOM OF BEAM.
7. (X'-X") INDICATES TOP OF STEEL BEAM ELEVATION ABOVE FINISHED FLOOR.
8. 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.
9. REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL BRACKETS, BRACES, SUPPORTS, ECT. NOT INDICATED ON THE STRUCTURAL DRAWINGS.
10. REFER TO 4/S201 FOR STEEL FRAMING SHOWN IN EXTERIOR WALLS BUT NOT NOTED.
11. DIMENSIONS AT EFS AND RTUS ARE TO OUTSIDE FACE OF CURB (BY OTHERS).
12. DIMENSIONS AT CONDENSERS ARE TO FACE OF EQUIPMENT HOUSING.

LEGEND

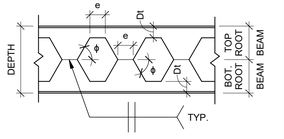
RC3 — INDICATES METAL ROOF DECK DIRECTION - SEE GENERAL NOTES FOR SIZE, TYPICAL.

✳ — INDICATES BOTTOM FLANGE BRACE - SEE DETAIL 1/S433, 2/S433, 3/S433, 4/S433 OR 16/S432. WHERE NOTED AT PERIMETER WALL BEAMS ALONG NUMBERED GRIDS, PROVIDE WITHIN 2'-0" OF END OF BEAM AND AT MID-SPAN, WHERE NOTED.

SHEET KEYNOTES

1.	SEE ARCHITECTURAL FOR EXTERIOR OVERHEAD DOOR.
2.	SEE 2/S432 FOR TYP. BEAM-TO-COL CONNECTION.
3.	SEE 7/S432 FOR TYP. RTU SUPPORT FRAMING.
4.	SEE 10/S432 FOR HSS STUB COLUMN AT EQUIPMENT.
5.	SEE 10/S432 FOR TYP. CONDENSER SUPPORT FRAMING.
6.	SEE 6/S432 FOR TYP. SUPPORT FRAMING AT ROOF PENETRATIONS.
7.	BRACED FRAME. SEE 2/S434 FOR TOP OF BRACED FRAME.
8.	SEE 3/S432 FOR TYP. BEAM-TO-BEAM CONNECTION.
9.	SEE 2/S432 FOR BEAM CONNECTION AT COLUMN.
10.	SEE 18/S432 FOR PLATE STRUT AT FACE OF COLUMN.
11.	FACE OF FINISH MATERIAL - SEE ARCHITECTURAL.
12.	SEE 6/S434 FOR STRUT AT FACE OF COLUMN.
13.	SEE 8/S433 FOR BRICK VENEER SUPPORT.
14.	SEE 1/S432 FOR WIND COLUMN CONN TO BOTTOM OF BEAM.
15.	C12x20.7 BELOW BRICK VENEER - ALIGN IN DECK FLUTES AND WELD TO BEAM EACH END.
16.	L4x4x1/4 BELOW BRICK VENEER - FIELD WELD TO CHANNEL EACH SIDE AND TO VERT LEG OF CONT EDGE ANGLE.
17.	SEE 7/S432 FOR MAKE-UP AIR UNIT SUPPORT FRAMING.
18.	NOT USED
19.	L2x2x1/4 CONTINUOUS HORIZONTAL UPLIFT BRIDGING LOCATED AT THIRD-POINTS OF BEAM SPAN - SEE 11/S432.
20.	L2x2x1/4 DIAGONAL X-BRIDGING AT TERMINATION OF CONTINUOUS UPLIFT BRIDGING - SEE 11/S432.

CASTELLATED BEAM DIAGRAM AND CRITERIA



CASTELLATED BEAM CONSTRUCTION		
BEAM MARK	ROOT BEAM	
	TOP	BOTTOM
CB15X22	W10X22	W10X22
CB15X26	W10x26	W10x26

CASTELLATED BEAM FABRICATION						
BEAM MARK	Dt (IN)	e (IN)		ϕ (DEG)		DEPTH (IN)
		MAX	MIN.	MAX	MIN.	
CB15X22	2.25	6.5	3	62	58	~15.78
CB15X26	2.625	7.75	3	62	58	~15.23

1. CASTELLATED BEAM NOTATIONS:
   - CB(DEPTH)x(ROOT BEAM WEIGHT)
   - CB(DEPTH)x(TOP RB WEIGHT)/(BOT. RB WEIGHT)
2. FINAL FABRICATED BEAM DEPTH AND WEIGHT IS APPROXIMATE

INCORPORATED SPBS

2021_0102; 2021_0106; 2021_0202; 2021_0203; 2021_0303; 2021_0401; 2021_0501; 2021_0502; 2021_0503; 2021_0505

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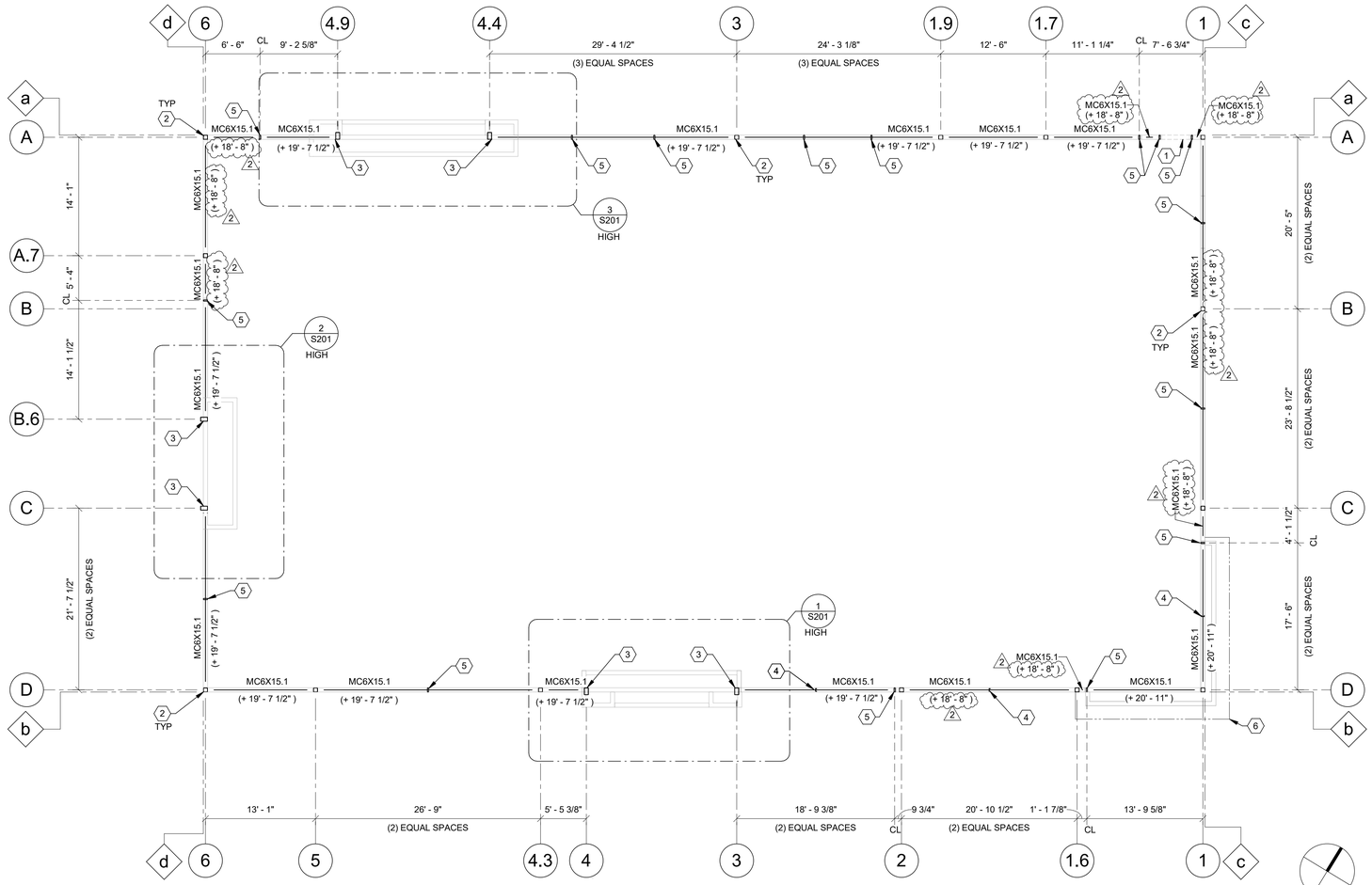
PROFESSIONAL SEAL

GEORGIA REGISTERED No. 25980 PROFESSIONAL ENGINEER BRIAN J. HALVERSON
05/12/22

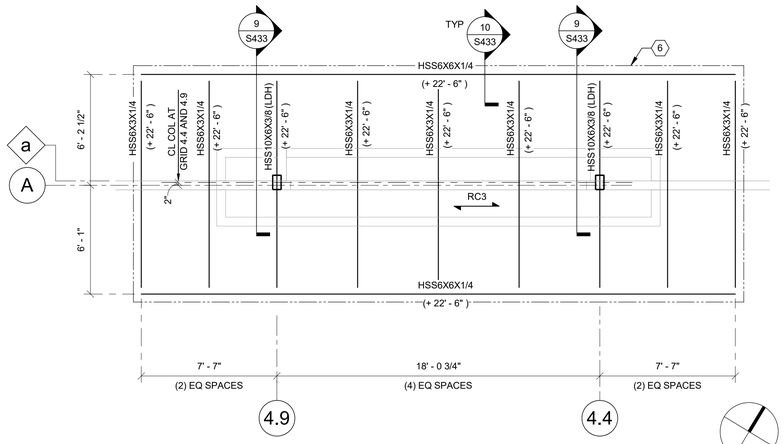
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SHEET TITLE
ROOF FRAMING PLAN

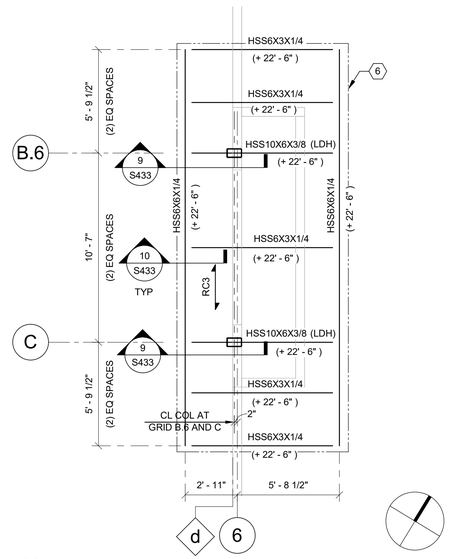
SHEET NUMBER
S200



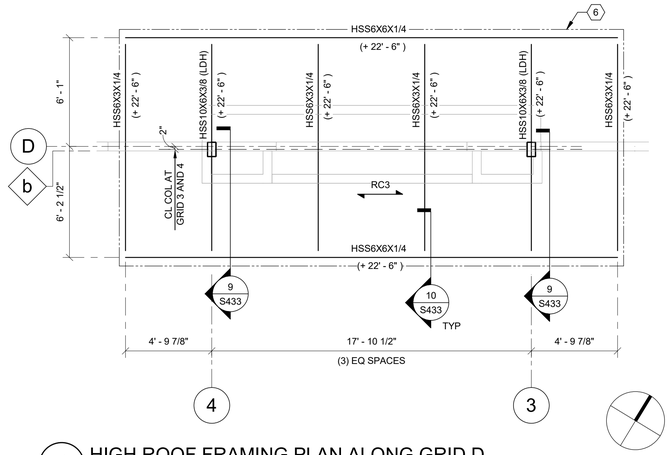
4 PARAPET FRAMING PLAN
1/8" = 1'-0"



3 HIGH ROOF FRAMING PLAN ALONG GRID A
1/4" = 1'-0"



2 HIGH ROOF FRAMING PLAN ALONG GRID 6
1/4" = 1'-0"



1 HIGH ROOF FRAMING PLAN ALONG GRID D
1/4" = 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 THRU S002 FOR GENERAL NOTES.
4. VERIFY ALL PARAPET STEP LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO FABRICATION.

LEGEND

RC3 — INDICATES METAL ROOF DECK DIRECTION - SEE GENERAL NOTES FOR SIZE, TYPICAL.

SHEET KEYNOTES

1.	NOTCH PARAPET FOR LADDER - SEE 12/S432. SEE ARCH. FOR LOCATION AND DIMENSIONS.
2.	TOP OF COLUMN ELEVATION SHALL BE EQUAL TO TOP OF THE HIGHEST ADJACENT PARAPET CHANNEL, U.N.O.
3.	COLUMN CONT. UP TO HIGH ROOF.
4.	PROVIDE VERTICAL C4x5.4 FOR PARAPET CHANNEL SUPPORT - SEE 14/S432.
5.	HSS6x2x1/4 STUB COLUMN (CANTILEVERED) - SEE 17/S432 FOR BASE ATTACHMENT.
6.	FACE OF FINISH MATERIAL - SEE ARCHITECTURAL.

INCORPORATED SPBS

2021_0503; 2021_0505; 2021_0506

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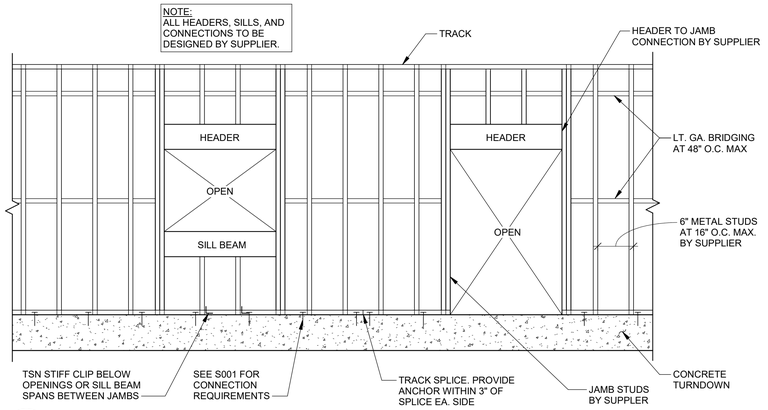
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05/12/22

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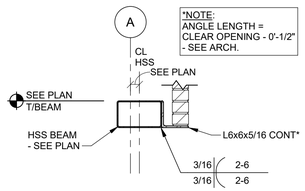
SHEET TITLE
HIGH ROOF FRAMING PLANS

SHEET NUMBER
S201



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

14 NOT USED
NTS

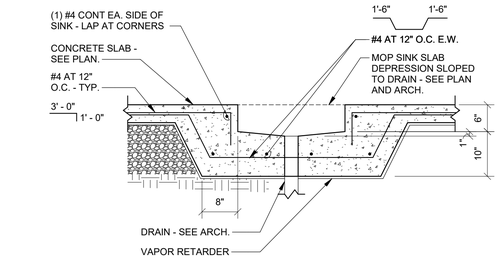


AT OVERHEAD DOOR ONLY

BRICK LINTEL SCHEDULE		
MASONRY CLEAR OPENING WIDTH		
MINIMUM	MAXIMUM	LINTEL ANGLE
	4'-0"	L5x5x5/16 (2)
4'-1"	8'-6"	L6x6x5/16
8'-7"	11'-4"	L6x6x3/8

NOTES:
1. THIS SCHEDULE DOES NOT ACCOUNT FOR CONCENTRATED LOADS ON LINTELS. SEE ADDITIONAL DETAILS FOR LINTELS SUPPORTING CONCENTRATED LOADS.
2. PROVIDE 4" MINIMUM BEARING AT EACH END.
3. PROVIDE BRICK LINTEL PER THIS SCHEDULE WHERE SUPPORT IS NOT OTHERWISE PROVIDED - SEE DETAILS.

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



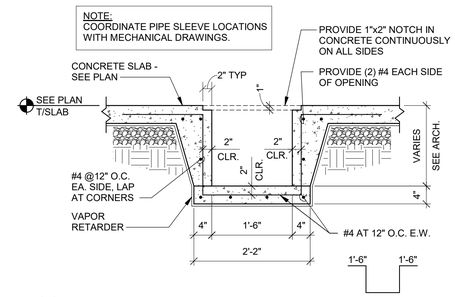
13 SLAB OPENING MOP SINK DETAIL
3/4" = 1'-0"

CONCRETE REINFORCING LAP LENGTHS	
BAR SIZE	LAP LENGTH CLASS "B"
#4	29"
#5	36"
#6	43"

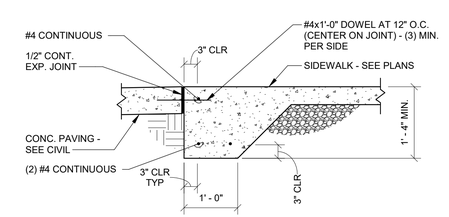
MASONRY LAP SPLICE LENGTHS	
BAR SIZE	MIN. LAP LENGTH
#4	29"
#5	36"
#6	43"

NOTE: ALLOWABLE STRESS = 100%

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



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

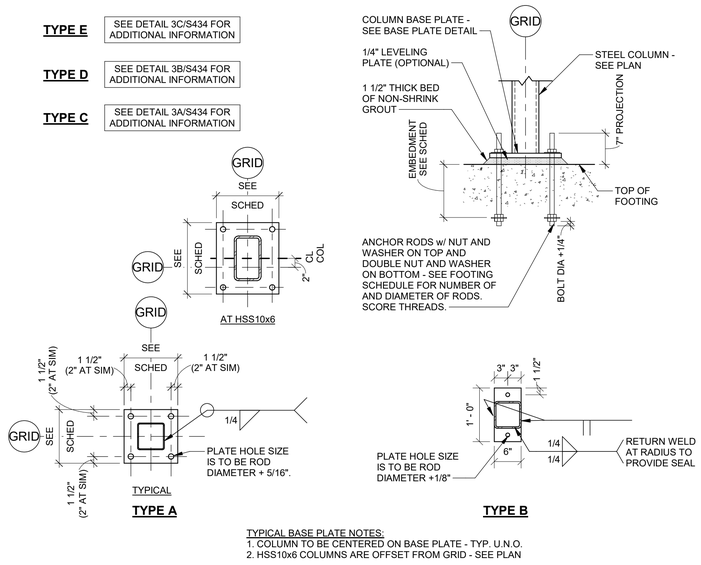


9 TYPICAL EXTERIOR SLAB TURNDOWN
3/4" = 1'-0"

TYPE E SEE DETAIL 3C/S434 FOR ADDITIONAL INFORMATION

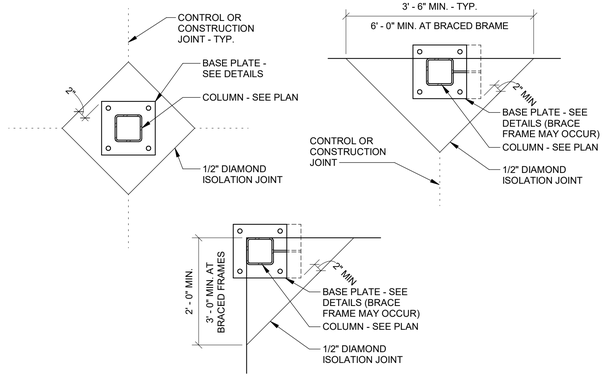
TYPE D SEE DETAIL 3B/S434 FOR ADDITIONAL INFORMATION

TYPE C SEE DETAIL 3A/S434 FOR ADDITIONAL INFORMATION

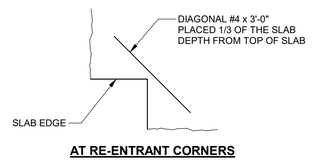


TYPICAL BASE PLATE NOTES:
1. COLUMN TO BE CENTERED ON BASE PLATE - TYP. U.N.O.
2. HSS10x6 COLUMNS ARE OFFSET FROM GRID - SEE PLAN

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

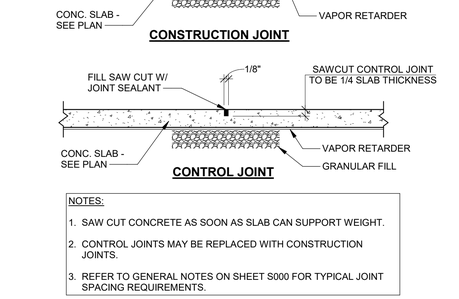


7 TYPICAL COLUMN ISOLATION JOINT
3/4" = 1'-0"



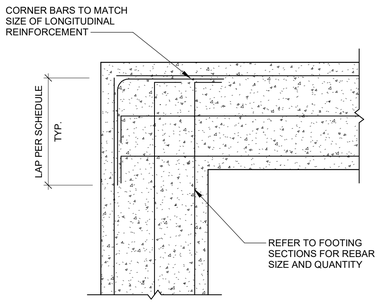
AT RE-ENTRANT CORNERS

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

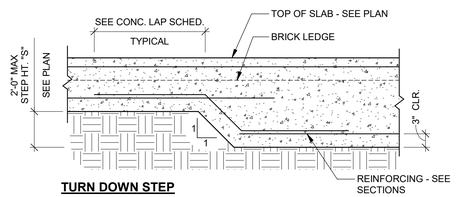


NOTES:
1. SAW CUT CONCRETE AS SOON AS SLAB CAN SUPPORT WEIGHT.
2. CONTROL JOINTS MAY BE REPLACED WITH CONSTRUCTION JOINTS.
3. REFER TO GENERAL NOTES ON SHEET S000 FOR TYPICAL JOINT SPACING REQUIREMENTS.

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

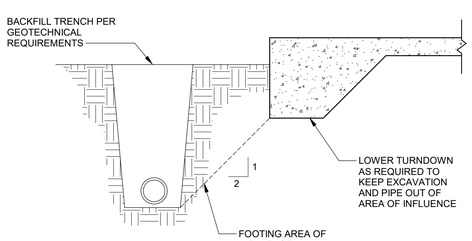


4 TYPICAL FOOTING CORNER DETAIL
3/4" = 1'-0"

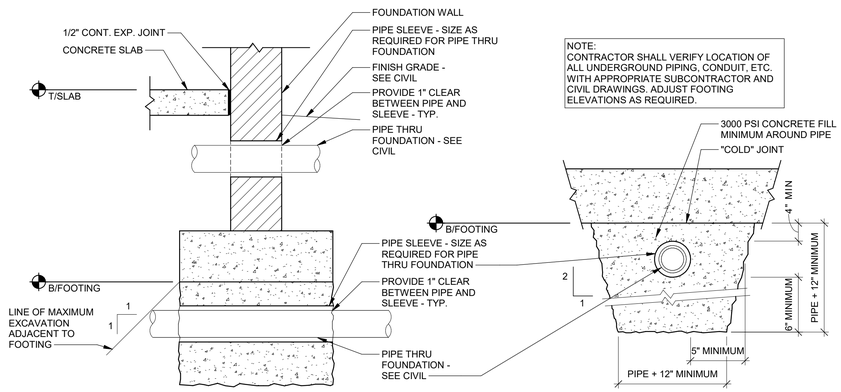


TURN DOWN STEP

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



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



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

INCORPORATED SPBS
2021_0305

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CONSULTANT PROJECT #: 20480

PROJECT MANAGER: RWC
CHECKED BY: BWM
DRAWN BY: JBA

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME
ANVIL BLOCK, GA

ELLEWOOD
GA 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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.

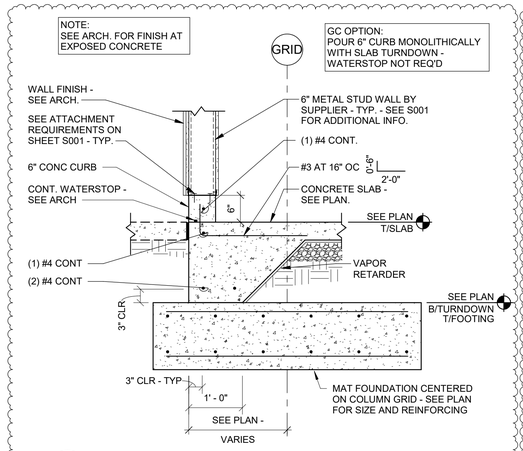
PROFESSIONAL SEAL

GEORGIA REGISTERED No. 25980 PROFESSIONAL ENGINEER TIMOTHY J. HALVERSON
05/12/22

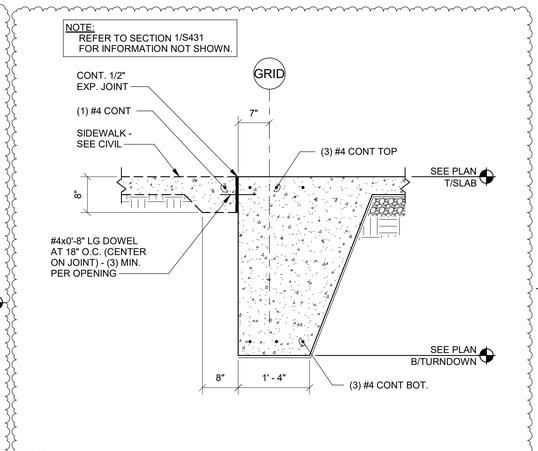
PROJECT NUMBER
63200243

SHEET TITLE
TYPICAL DETAILS

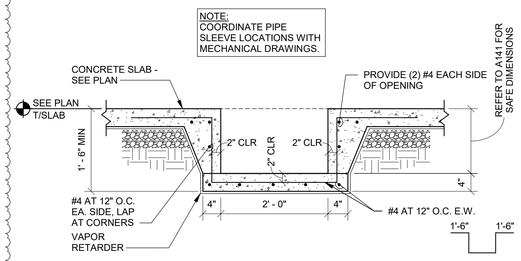
SHEET NUMBER
S430



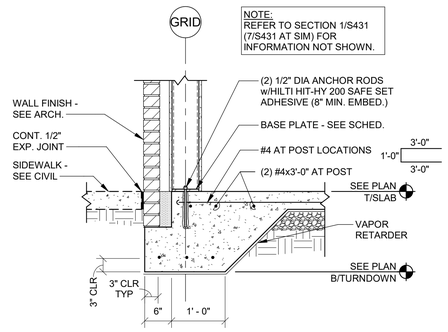
11 SLAB TURNDOWN AT CORNER TOWER
3/4" = 1'-0"



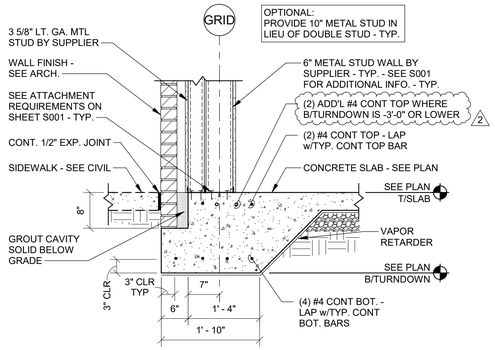
10 SLAB TURNDOWN SECTION AT OVERHEAD DOOR
3/4" = 1'-0"



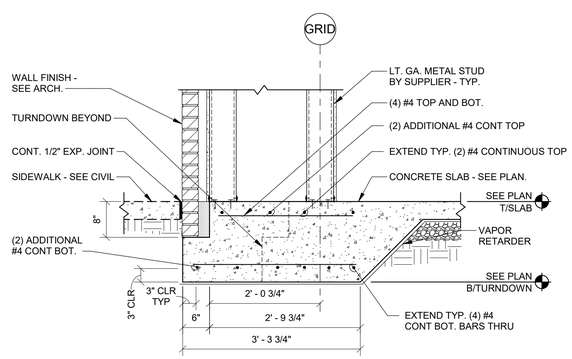
9 SAFE PIT DETAIL
3/4" = 1'-0"



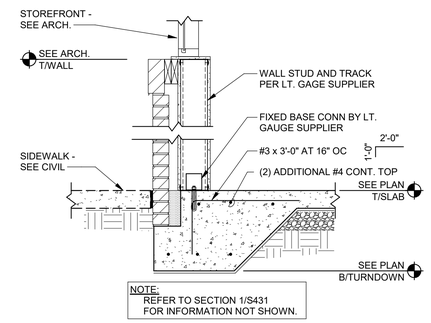
8 SLAB TURNDOWN AT WIND COLUMN
3/4" = 1'-0"



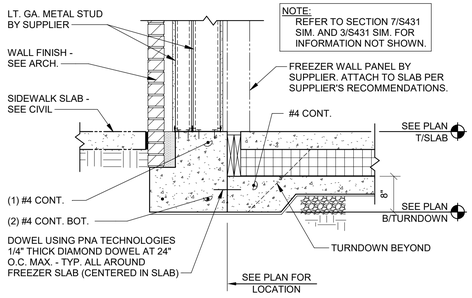
7 EXTENDED SLAB TURNDOWN
3/4" = 1'-0"



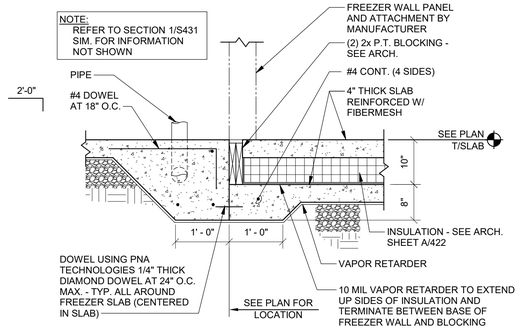
6 SLAB TURNDOWN AT PILASTER
3/4" = 1'-0"



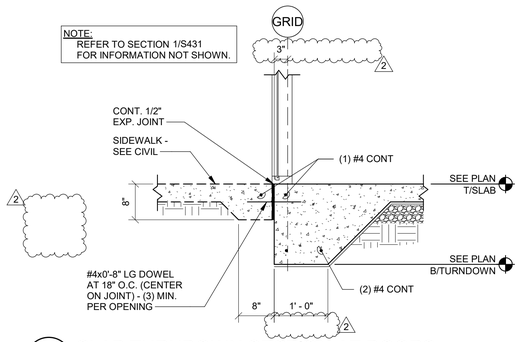
5 SLAB TURNDOWN SECTION AT WINDOW
3/4" = 1'-0"



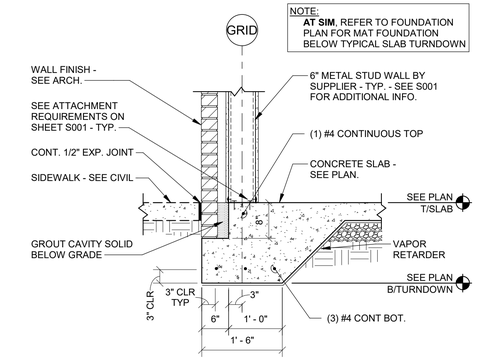
4 FREEZER SLAB AT WALL
3/4" = 1'-0"



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



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



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

INCORPORATED SPBS

2021_0106; 2021_0303; 2021_0505

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CONSULTANT PROJECT #: 20480

PROJECT MANAGER: RWC

CHECKED BY: BWM

DRAWN BY: JBA

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME

ANVIL BLOCK, GA

ELLEWOOD GA 30294

4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. 25980 PROFESSIONAL ENGINEER BRIAN J. HALVERSON

05/12/22

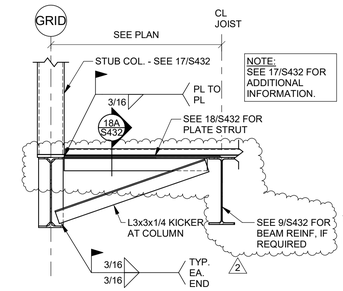
PROJECT NUMBER 63200243

SHEET TITLE

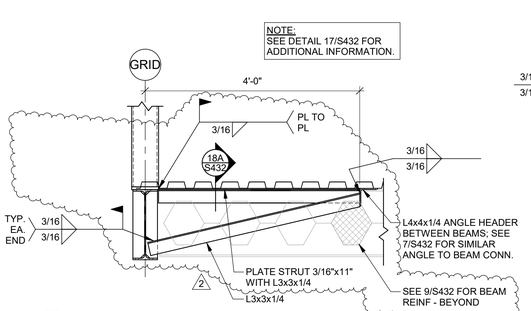
FOUNDATION SECTIONS AND DETAILS

SHEET NUMBER

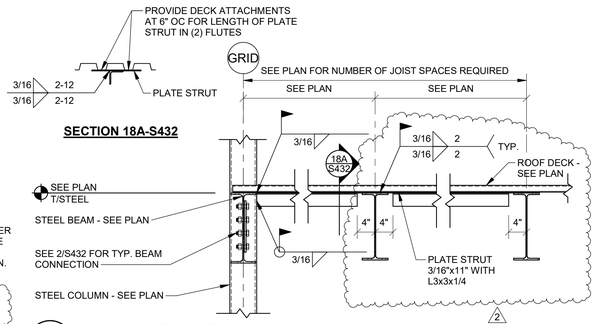
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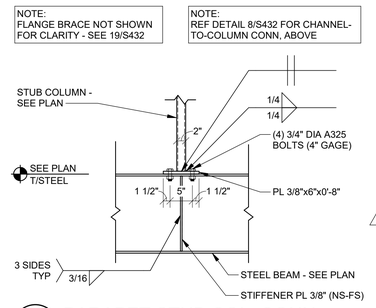
20 PARAPET STUB COL. BRACE
3/4" = 1'-0" [CB]



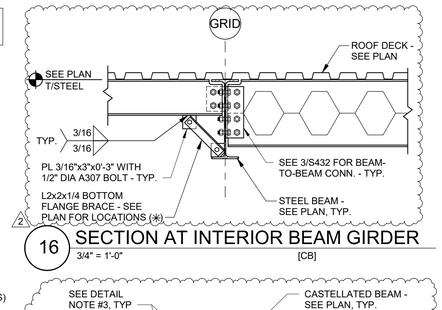
19 PARAPET STUB COL. BRACE
3/4" = 1'-0" [CB]



18 STRUT AT SIDE WALL COLUMN
3/4" = 1'-0" [CB]

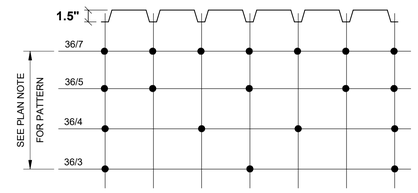


17 PARAPET STUB COL. CONN.
3/4" = 1'-0" [CB]

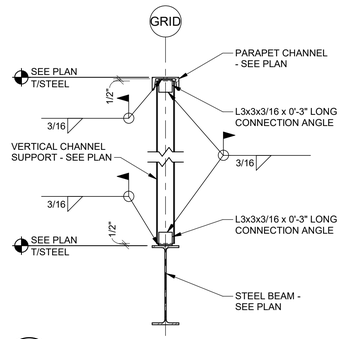


16 SECTION AT INTERIOR BEAM GIRDER
3/4" = 1'-0" [CB]

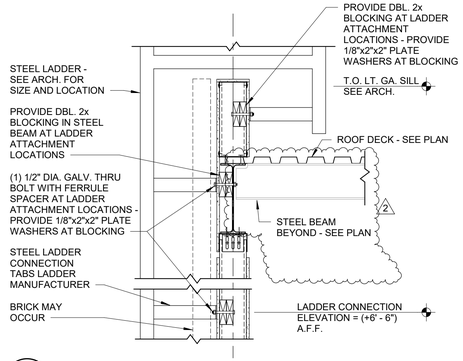
NOTE:
STEEL ROOF DECK SHALL BE SUPPLIED IN 36" WIDTHS. ROOF DECK SHALL BE ATTACHED TO EACH SUPPORT BY FASTENING IN ACCORDANCE WITH FASTENER PATTERN NOTED ON DRAWINGS. SEE SCHEDULE BELOW FOR APPLICABLE FASTENING PATTERN. FASTEN ROOF DECK TO MAIN SUPPORTS WITH 5/8" DIA. PUDDLE WELDS. ROOF DECK SIDELAPS 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.



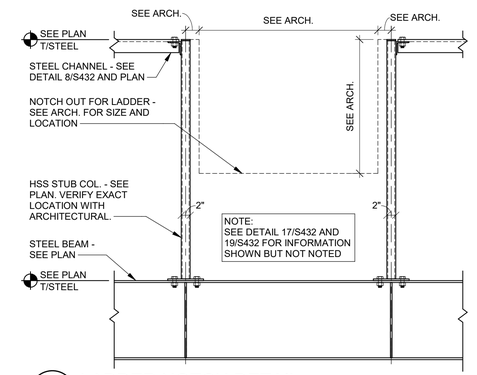
15 TYPICAL ROOF DECK ATTACHMENT DETAIL
3/4" = 1'-0" [CB]



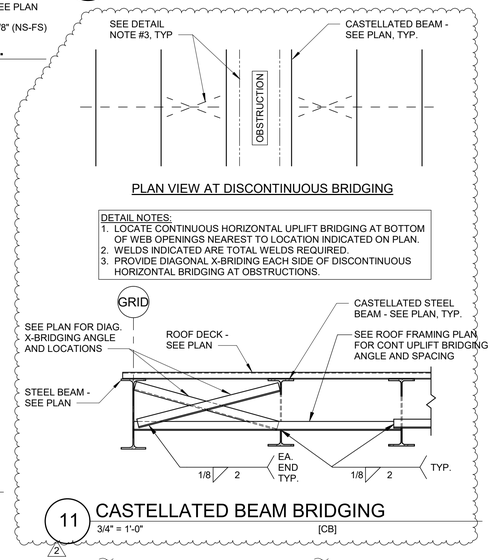
14 PARAPET SUPPORT DETAIL
3/4" = 1'-0" [CB]



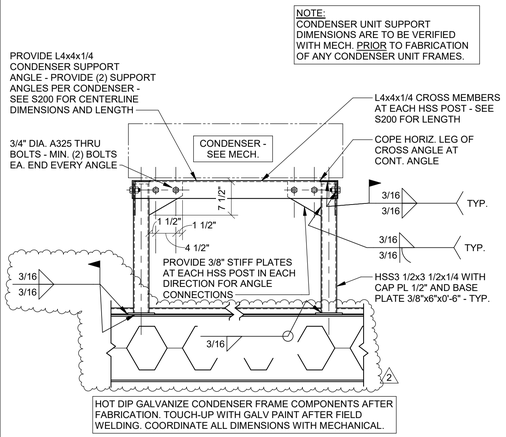
13 LADDER ATTACHMENT DETAIL
3/4" = 1'-0" [CB]



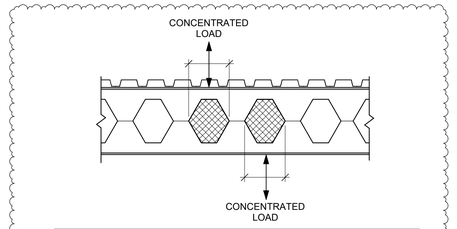
12 LADDER NOTCH DETAIL
3/4" = 1'-0" [CB]



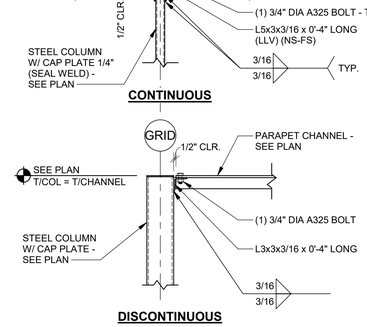
11 CASTELLATED BEAM BRIDGING
3/4" = 1'-0" [CB]



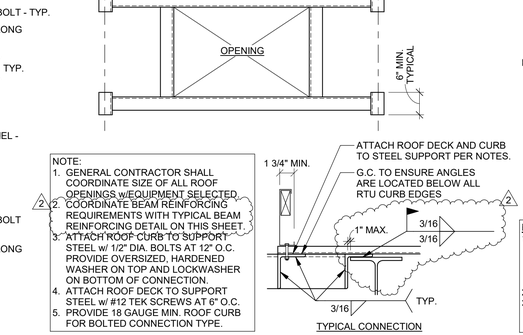
10 CONDENSER SUPPORT DETAIL
3/4" = 1'-0" [CB]



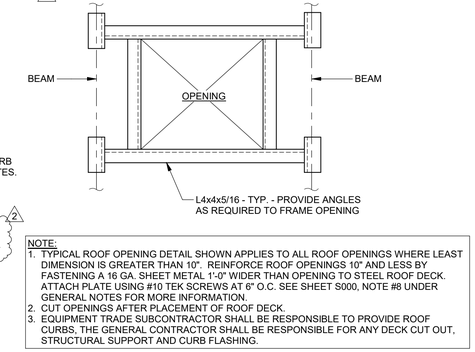
9 CASTELLATED BEAM REINFORCING
3/4" = 1'-0" [CB]



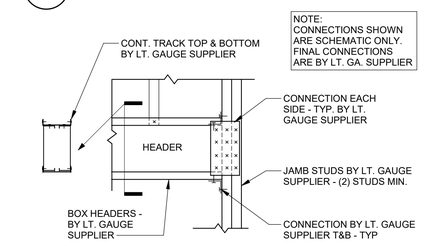
8 CHANNEL TO COLUMN DETAIL
3/4" = 1'-0" [CB]



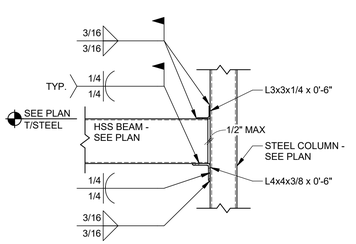
7 RTU SUPPORT FRAMING DETAIL
3/4" = 1'-0" [CB]



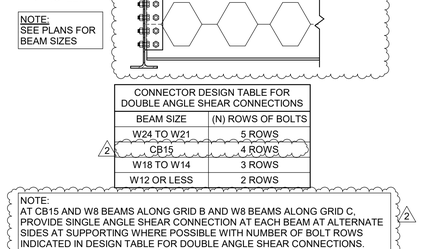
6 TYP. ROOF OPENING FRAMING DETAIL
3/4" = 1'-0" [CB]



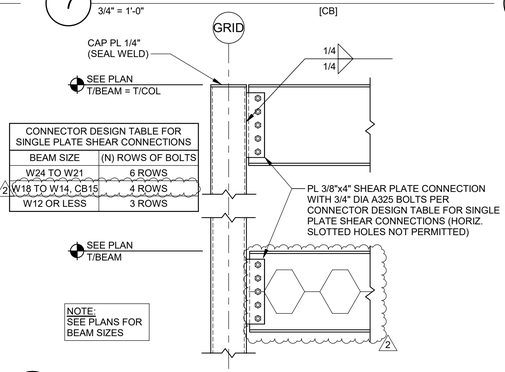
5 LIGHT GAUGE BOX HEADER
3/4" = 1'-0" [CB]



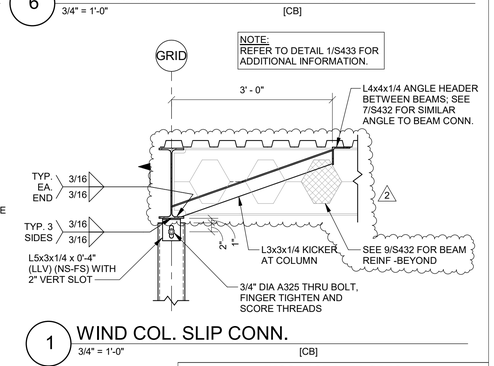
4 HSS BEAM TO COLUMN DETAILS
3/4" = 1'-0" [CB]



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



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



1 WIND COL. SLIP CONN.
3/4" = 1'-0" [CB]

INCORPORATED SPBS
2021_0401

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CONSULTANT PROJECT #: 20480

PROJECT MANAGER: RWC
CHECKED BY: BWM
DRAWN BY: JBA

ISSUE/REVISION RECORD

DATE	DESCRIPTION
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11/22/21	REV 1-CODE COMMENTS
05/16/22	REFRESH 2021_0507

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

PROJECT NAME
ANVIL BLOCK, GA

ELLEWOOD
GA 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
#1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21

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

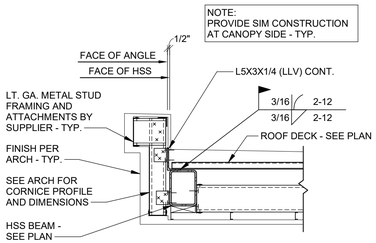
GEORGIA REGISTERED No. 25980 PROFESSIONAL ENGINEER J. HALVERSON
05/12/22

PROJECT NUMBER
63200243

SHEET TITLE
TYPICAL STEEL DETAILS

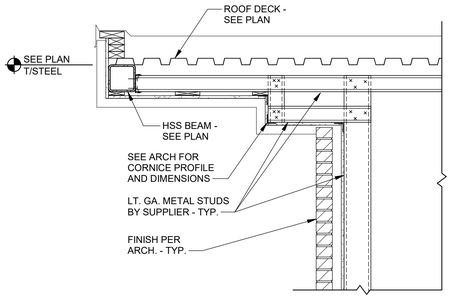
SHEET NUMBER
S432

13 NOT USED
NTS

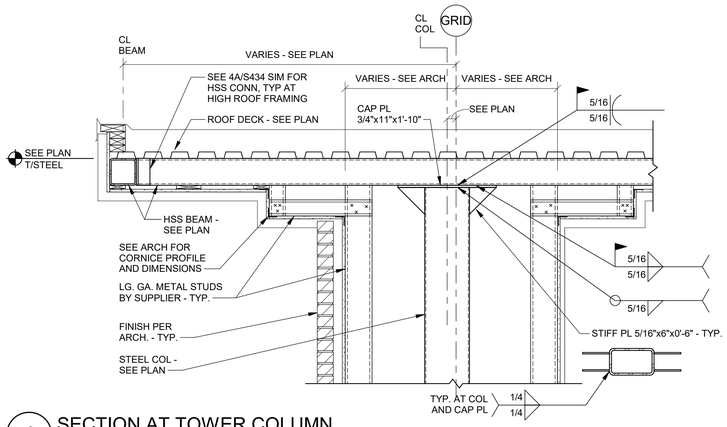


12 SECTION AT CANOPY FASCIA
3/4" = 1'-0" CB

11 NOT USED
NTS

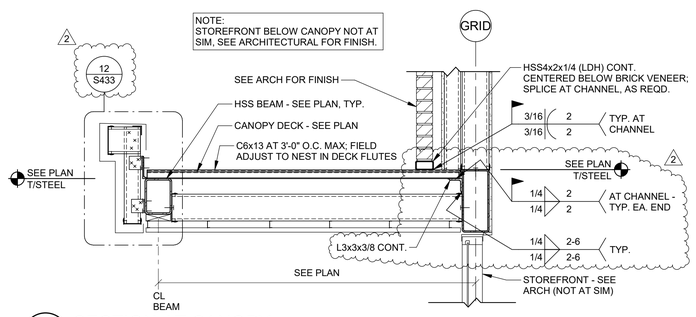


10 SECTION AT TOWER
3/4" = 1'-0" CB



9 SECTION AT TOWER COLUMN
3/4" = 1'-0" CB

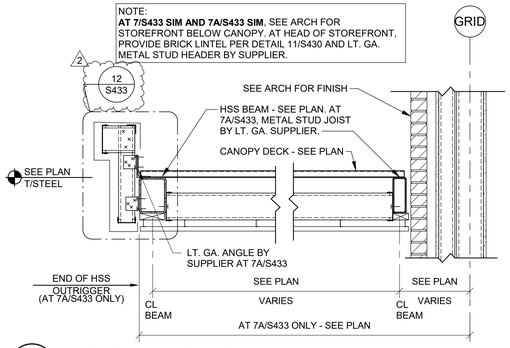
NOTE:
STOREFRONT BELOW CANOPY NOT AT
SIM, SEE ARCHITECTURAL FOR FINISH.



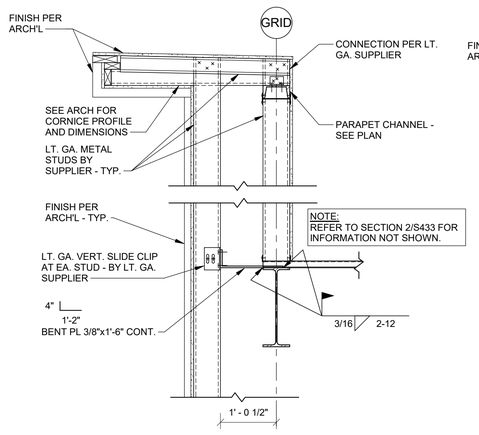
8 SECTION AT CANOPY
3/4" = 1'-0" CB

AT DETAIL 7A/S433:
LIGHT GAUGE METAL STUD SUPPLIER SHALL PROVIDE ALL CANOPY STRUCTURE, EXCEPT HSS OUTRIGGERS (SEE PLAN) AND METAL DECK, TO PROVIDE PROFILE PER 7/S433. METAL DECK ATTACHMENTS SHALL BE #12 TEK SCREWS.

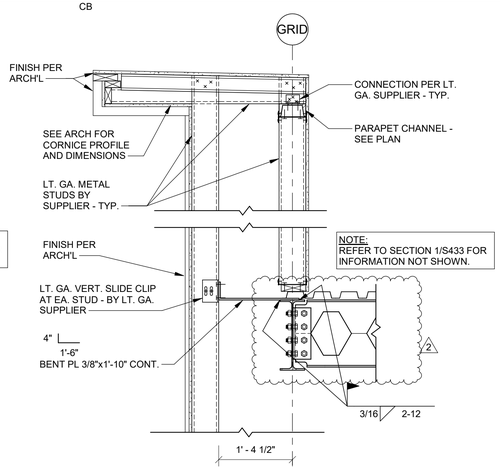
NOTE:
AT 7/S433 SIM AND 7A/S433 SIM, SEE ARCH FOR STOREFRONT BELOW CANOPY. AT HEAD OF STOREFRONT, PROVIDE BRICK LINTEL PER DETAIL 11/S430 AND LT. GA. METAL STUD HEADER BY SUPPLIER.



7 SECTION AT CANOPY
3/4" = 1'-0" CB

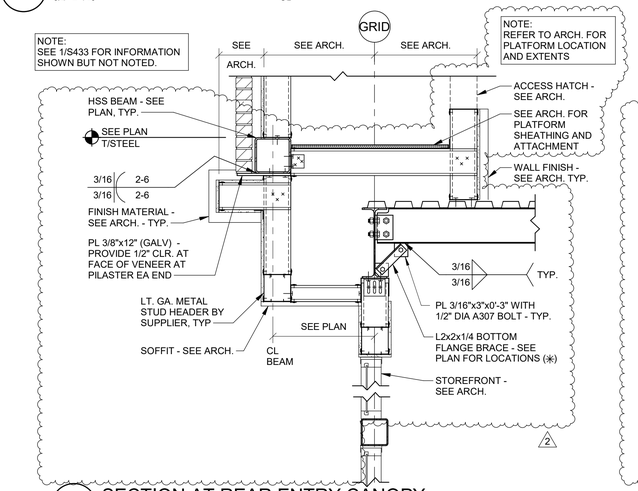


6 SECTION AT PARAPET TOWER
3/4" = 1'-0" CB

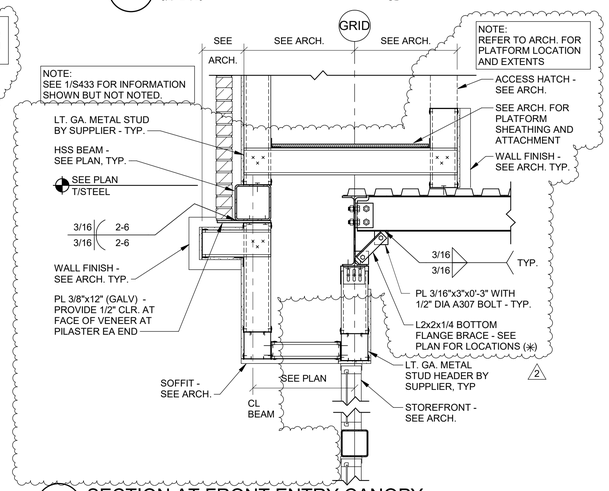


5 SECTION AT PARAPET TOWER
3/4" = 1'-0" CB

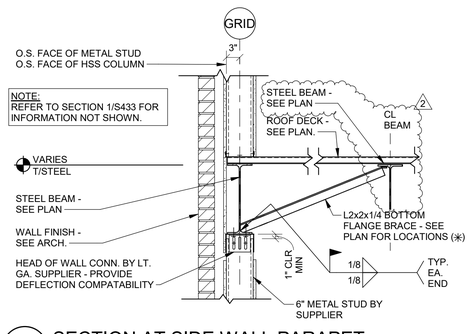
NOTE:
SEE 1/S433 FOR INFORMATION
SHOWN BUT NOT NOTED.



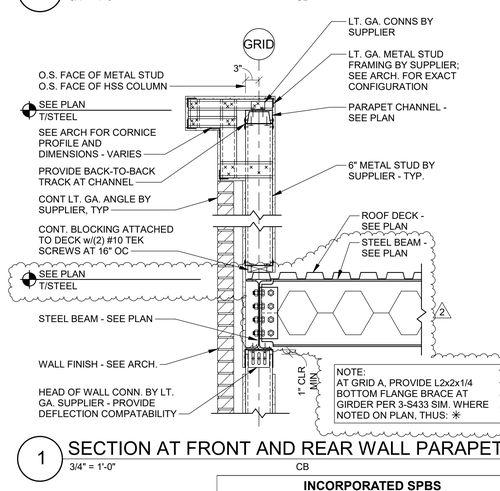
4 SECTION AT REAR ENTRY CANOPY
3/4" = 1'-0" CB



3 SECTION AT FRONT ENTRY CANOPY
3/4" = 1'-0" CB



2 SECTION AT SIDE WALL PARAPET
3/4" = 1'-0" CB



1 SECTION AT FRONT AND REAR WALL PARAPET
3/4" = 1'-0" CB

INCORPORATED SPBS

2021_0401; 2021_0503; 2021_0505

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DESIGN PROFESSIONALS

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consulting structural engineers
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816.421.4200 · WWW.JBAENGR.COM

CONSULTANT PROJECT #: 20480

PROJECT MANAGER: RWC
CHECKED BY: BWM
DRAWN BY: JBA

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

PROJECT NAME

ANVIL BLOCK, GA

ELLEWOOD
GA 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

#1478

PROTOTYPE SERIES

2021 LH MO 0507

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. 25980 PROFESSIONAL
BRADLEY W. HALVERSON
05/12/22

PROJECT NUMBER 63200243

SHEET TITLE

FRAMING SECTIONS AND DETAILS

SHEET NUMBER

S433

DETAIL 4A/S434

4 SECTION AT CANOPY ARM
3/4" = 1'-0" CB

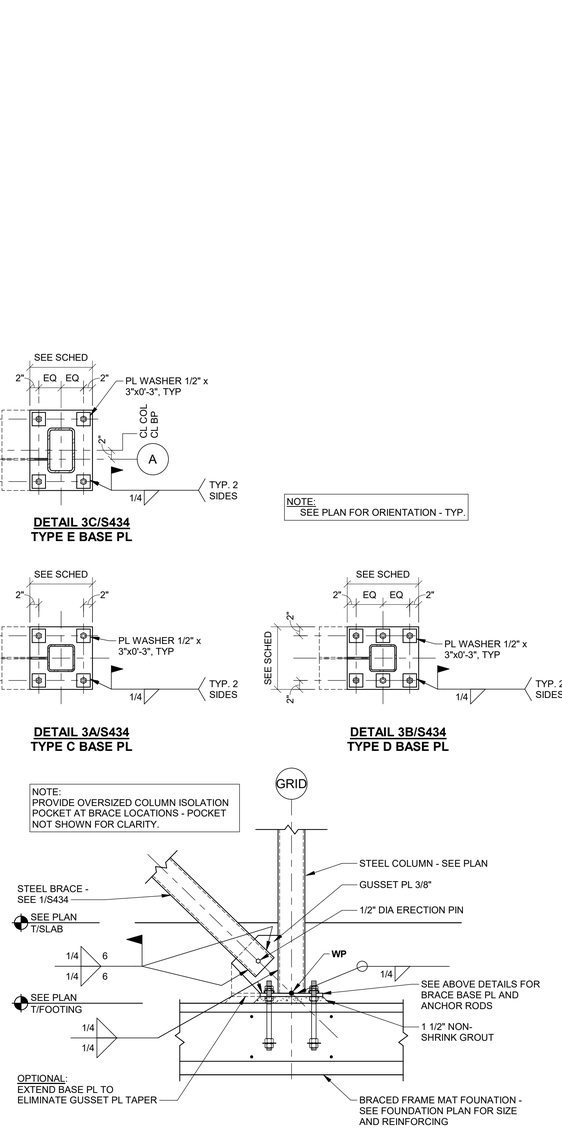
DETAIL 3C/S434
TYPE E BASE PL

NOTE:
SEE PLAN FOR ORIENTATION - TYP.

DETAIL 3A/S434
TYPE C BASE PL

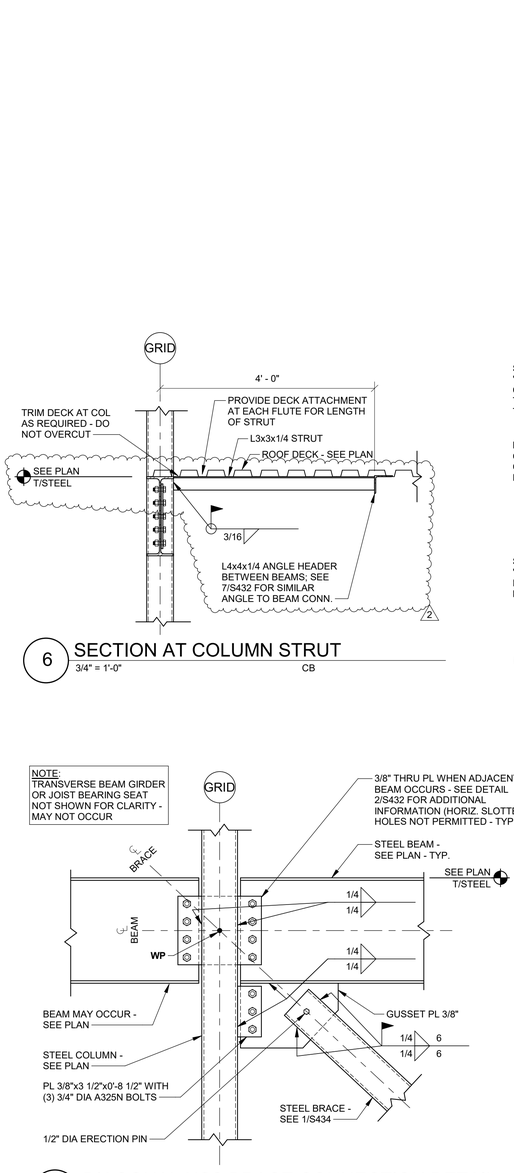
DETAIL 3B/S434
TYPE D BASE PL

NOTE:
PROVIDE OVERSIZED COLUMN ISOLATION POCKET AT BRACE LOCATIONS - POCKET NOT SHOWN FOR CLARITY.

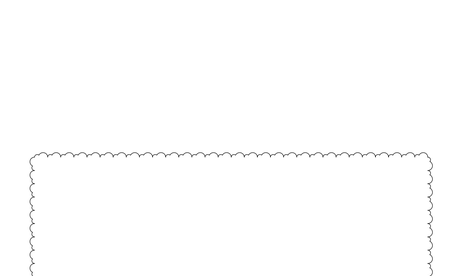


3 BRACE BASE CONNECTION
3/4" = 1'-0" CB

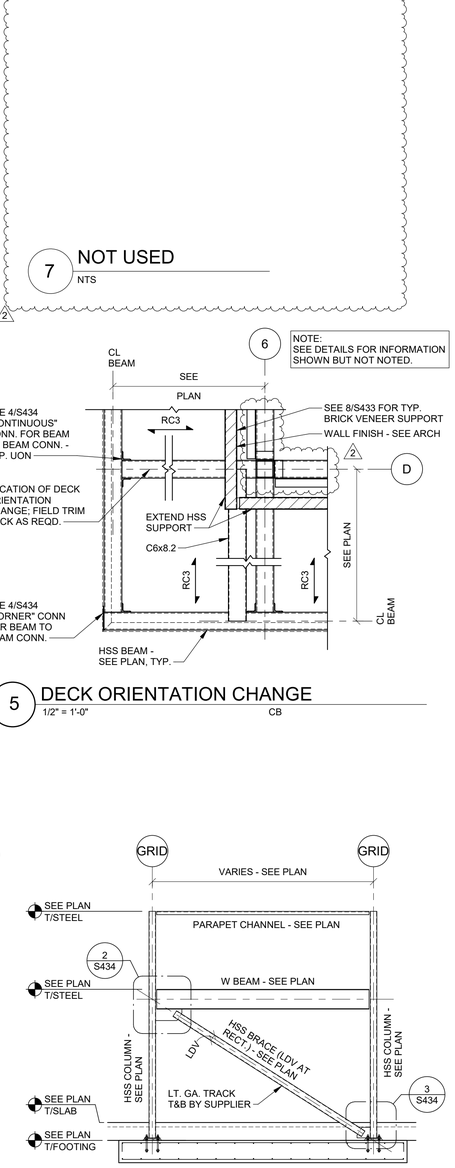
6 SECTION AT COLUMN STRUT
3/4" = 1'-0" CB



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



5 DECK ORIENTATION CHANGE
1/2" = 1'-0" CB



1 BRACED FRAME ELEVATION
N.T.S. CB

INCORPORATED SPBS

2021_0401; 2021_0503; 2021_0505

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CONSULTANT PROJECT #: 20480

PROJECT MANAGER:
RWC

CHECKED BY:
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DRAWN BY:
JBA

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(770) 431-7600

PROJECT NAME

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#1478

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. 25980 PROFESSIONAL
BRIAN W. HALVERSON
05/12/22

PROJECT NUMBER
63200243

SHEET TITLE

FRAME ELEVATIONS AND DETAILS

SHEET NUMBER

S434

KITCHEN EXHAUST AIR SYSTEMS

Provide kitchen hood exhaust fan/filtered makeup air packaged unit as scheduled on the drawings, manufactured by K-Tech, complete with upblast exhaust fan designed for grease applications, downblast makeup air fan, makeup air intake weatherhood with 1 inch thick aluminum mesh washable air filters, ventilated roof curb extension for 40 inches minimum exhaust discharge height above roof surface, combination roof curb of required height so that the makeup air intake is 14 inches minimum above roof surface, heavy gauge aluminum housings, aluminum centrifugal fan wheels, heat baffle, belt drive motors with integral thermal overload protection, disconnect switch in housing, bird screens, prewired control center, and accessories required to meet or exceed NFPA-96 requirements for commercial kitchen installations.

Provide a UL listed concentric ductwork package that complies with UL 1978 standard for grease ducts may be used in lieu of the welded black iron duct for connecting hood to exhaust fan. Ductwork package shall be as manufactured by Metal-Fab, Schebler, Selkirk, or approved equal. Provide manufacturers UL listing number and verification certificate as a part of the shop drawing submittal. Install duct package in strict conformance with manufacturer's instructions and recommendations. At Contractor's option, provide ducts connecting Type 1 exhaust hoods to exhaust fans made of #16 gauge black iron with continuously welded joints and clean-out doors. Provide transition at connection to fan with opening size equal to or greater than the venturi opening of the fan inlet. Provide gasket at flanged connection to fan rated for 1500 degrees Fahrenheit and grease applications. Enclose duct in fireproof enclosure per locally adopted mechanical code or, if approved by local code official, in fire rated wrap insulation. Insulation shall be minimum two-hour rated duct wrap insulation for Type I hood grease exhaust duct applications and shall conform to ASTM E2336 where required to comply with IMC. Insulation shall be flexible wrap enclosure rated for minimum 2000 degrees Fahrenheit and for zero clearance to combustibles. Insulation shall be non-mineral wool, passive, low bio-persistent fiber totally encapsulated on all sides with aluminum foil. Insulation shall be as manufactured by Certainteed, Thermal Ceramics, Unifrax or 3M. Slope duct back towards hood at minimum of 1/4 inch per lineal foot.

All portions of grease duct systems shall be tested for leakage in accordance with the "Grease Duct Test" paragraph of the IMC. Leakage tests shall be by light or other equivalent test methods as approved by the local code official to determine that all joints are liquid tight. Tests shall be performed in the presence of the local code official. Any joints found defective shall be repaired and retested until satisfactory results are obtained. The contractor shall submit a copy of the grease duct leakage test report to the architect/engineer complete with the approval signature of the local code official.

Provide exhaust hoods by K-Tech single shell exhaust only stainless steel hood. Hoods shall be ICBO approved and UL certified for air quantities shown on drawings and in conformance with manufacturer's data. Provide manufacturer UL listing number and verification certificate as a part of the shop drawing submittal. Conform with NFPA Bulletin 96 and UL Standard 710. Construct hood of 18 gauge stainless steel with welds polished. Hood shall contain full length stainless steel filter holder welded to hood with integral drip trap and UL classified, X-Air stainless steel filters installed at 45 degrees from horizontal. Provide vapor proof incandescent lights, and control panel with pilot lights and switches for fan and lights. Hood package shall include 3 inch filler panel at wall, and stainless steel closure panels from top of hood to finished ceiling.

Provide makeup air unit, K-Tech vertical type supply unit with belt-drive centrifugal fan section, motorized inlet damper, filter section with 2 inch thick throwaway filters, factory wired control center with disconnect switches, magnetic starters, controls, etc., mounted in an enclosure, aluminized steel housing with baked enamel finish, and vibration isolators. Provide a remote control panel with pilot lights and switches for fan and lights. Coordinate controls with hood and exhaust fan supplier. Flush mount remote panel in wall below hood.

Provide Amerex, Ansul, Pyrochem, or approved equal wet chemical type fire extinguishing system for each hood as scheduled on drawings complete with hood nozzles, wet chemical cylinders, piping, etc. and accessories to provide an approved, operating system. Provide manual pull station(s) at locations shown on the drawings. System shall be in full conformance with NFPA-96.

Provide mechanical or electrical gas shutoff valve to shutoff fuel or power source to cooking equipment upon detection of fire. Valve shall have a clearly marked open/closed indicator.

Provide a wall mounted thermostat with remote sensing element at the exhaust hood duct collar wired in parallel with the normal fan on-off control to ensure that the hood's associated exhaust fan is energized when the cooking appliances served by the hood are activated. The thermostat set point shall be 95 degrees Fahrenheit (adjustable). The installation shall be in compliance with the International Mechanical Code.

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 2012 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, EXTERNAL BLANKET INSULATION (R-8 MINIMUM). THE CONTRACTOR SHALL PROVIDE ALL SHEET METAL DUCTWORK, HANGERS, AUXILIARY SUPPORT STEEL, ETC. ALL FLEXIBLE DUCT SHALL BE UL-181, CLASS 1 INSULATED DUCT WITH METALIZED INNER AND OUTER FOIL LINERS. MINIMUM R-8 INSULATION MAXIMUM TOTAL LENGTH NOT TO EXCEED 5'-0". 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/HUMIDISTAT 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. PROVIDE FILTER/DRYER AND SIGHT GLASS IN ALL LIQUID LINES. INSTALL REFRIGERANT PIPING PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
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 C403.2.8 FOR MINIMUM PIPING INSULATION THICKNESS. ALL EXPOSED INSULATION SHALL BE PROTECTED WITH UV RESISTANT PAINT OR ALUMINUM SHIELD.
16. ALL BRANCH TAKE-OFFS TO BE PROVIDED WITH MANUAL VOLUME DAMPERS. PROVIDE LONG RADIUS ELBOWS (1.5X DIAMETER) 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 PRIOR TO START-UP.
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 SHALL 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	1266	2	4	5	0.12	80%	190		1
SALES	4902	15	93	7.5	0.12	80%	1557		1
RTU-1								700	
RTU-2								800	
RTU-3								600	
RTU-4								700	
KSF-1								1,040	
TOTALS							**1,747**	**3,840**	

NOTES:

1. CALCULATIONS ARE BASED ON ESTIMATED MAXIMUM OCCUPANCY RATES PER ARCHITECTURAL PLANS AND ASHRAE 62.1-2018 VENTILATION RATES.

AIR BALANCE SCHEDULE

AREA SERVED	EQUIPMENT TAG	SUPPLY AIR (CFM)	RETURN AIR (CFM)	OUTSIDE AIR (CFM)	EXHAUST AIR (CFM)
SALES	RTU-1	3,500	2,800	700	X
SALES	RTU-2	4,000	3,200	800	X
STORAGE	RTU-3	4,000	3,400	600	X
FOOD PREP	RTU-4	4,400	3,700	700	X
WOMEN'S RESTROOM	EF-1	X	X	X	280
MEN'S RESTROOM	EF-2	X	X	X	700
FOOD PREP	EF-3	X	X	X	600
FROZEN CARBONATED BEVERAGE	EF-4	X	X	X	600
KITCHEN EXHAUST	KEF-1	X	X	X	1,300
KITCHEN MAKEUP	KSF-1	X	X	1,040	X
TOTALS		**15,900**	**13,100**	**3,840**	**3,480**

NOTES:

1. BUILDING IS (3,840 CFM OA - 3,480 CFM EA) 360 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/RETURN/EXHAUST AIR DIFFUSER OR GRILLE DESIGNATION
- EQP / X — MECHANICAL EQUIPMENT TAG
- XXXX — REFRIGERATION 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
- (PS) — ANSUL PULL STATION

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EXPIRES 6/30/2022

PROJECT MANAGER: AH
CHECKED BY: AI
DRAWN BY: CB

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

05/12/2022

PROJECT NUMBER 63200243

SHEET TITLE

MECHANICAL NOTES AND LEGENDS

SHEET NUMBER

M001

JARROD M. EASTERWOOD

KITCHEN EXHAUST HOOD SCHEDULE
(OWNER FURNISHED, CONTRACTOR INSTALLED)

MARK	EQUIPMENT SERVED	MANUFACTURER	MODEL	HOOD DIMENSIONS (IN.) (L x W x H)	EXHAUST AIR CFM	MAKEUP AIR CFM	NOTES
H-1	FRYER	K-TECH	5424 PK-ND-2 Q-SB-F	72x54x24	1,300	1,040	ALL

NOTES:
1. HOOD SUPPLIER SHALL PROVIDE HOOD PRE-PIPED FOR WET-TYPE FIRE EXTINGUISHING SYSTEM MEETING REQUIREMENTS OF NFPA-96 AND LOCAL CODES.
2. HOOD SUPPLIER SHALL FURNISH HOOD WITH UL LISTED BAFFLE-TYPE GREASE FILTERS, GREASE DRAIN WITH REMOVABLE CUP, AND UL LISTED VAPORPROOF INCANDESCENT LIGHT FIXTURES.
3. HOOD SUPPLIER SHALL FURNISH STAINLESS STEEL ENCLOSURE PANELS FROM TOP OF HOOD TO FINISH CEILING AND 3 INCH STANDOFF FROM WALL AS REQUIRED.
4. HOOD SUPPLIER SHALL FACTORY INSTALL THE HOOD CONTROL PACKAGE IN THE HOOD UTILITY CABINET.
5. PROVIDE HOOD FIRE SUPPRESSION SYSTEM MEETING NFPA-96 AND LOCAL CODES.
6. PROVIDE INTERLOCK KIT WITH ONE TEMPERATURE SENSOR PER GREASE EXHAUST COLLAR TO MEET IMC REQUIREMENTS.
7. REFER TO REFERENCE DRAWINGS OF KITCHEN HOOD MANUFACTURER FOR KITCHEN EXHAUST HOOD DETAILS.
8. HOOD SHALL BE FURNISHED AND INSTALLED BY DIVISION 23.

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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	50TC-E14C1M5-6W1G0	3500	1.0	1.96	111.8	72.4	13.0	11.3	N/A	31.8	108.5	1	700	208/3/60	124	125	1561	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
RTU-2	CARRIER	50TC-E14C2M5-6W1G0	4000	1.0	2.60	130.7	84.9	12.4	11.0	N/A	31.8	108.5	1	800	208/3/60	124	125	1561	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
RTU-3	CARRIER	50TC-E14C2M5-6W1G0	4000	1.0	2.60	127.4	84.0	12.4	11.0	N/A	31.8	108.5	1	600	208/3/60	124	125	1561	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
RTU-4	CARRIER	50TC-E14C2M5-6W1G0	4400	1.0	2.96	128.2	97.4	12.4	11.0	N/A	31.8	108.5	1	700	208/3/60	124	125	1561	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

*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 KEN REVILLA 954-218-0070 OR EMAIL ken.revilla@carrier.utc.com FOR PRICING QUESTIONS.

NOTES:
1. PROVIDE UNITS WITH INSULATED MATCHING ROOF CURB, WITH MINIMUM HEIGHT TO MOUNT BOTTOM OF EQUIPMENT 8 INCHES ABOVE ROOF SURFACE. COORDINATE WITH ARCHITECTUREAL ROOF INSULATION THICKNESS.
2. PROVIDE UNITS WITH ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF AND LOW LEAKAGE OUTDOOR AIR DAMPERS.
3. PROVIDE COMPRESSORS WITH SHORT CYCLING PROTECTION.
4. NOT USED
5. FACTORY INSTALLED CONDENSATE DRAIN OVERFLOW SENSOR SWITCH. CONDENSATE OVERFLOW SENSOR SHALL BE AQUAGUARD MODEL AG1250E.
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. CONTRACTOR SHALL REFER TO MANUFACTURER HUMIDISTAT WIRING REQUIREMENTS AND INSTRUCTIONS PRIOR TO ROUGH-IN.
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. EXTERNALLY MOUNTED NEMA 3R, RK1, CURRENT LIMITING FUSED DISCONNECT SWITCH PROVIDED BY RACETRAC.
13. CONTRACTOR SHALL PROVIDE HONEYWELL T7351E210 THERMOSTAT AND HONEYWELL T7351F2010 T-STAT & H7635B2018 DUCT MOUNTED SENSOR. CONTRACTOR SHALL REFER TO MANUFACTURER WIRING REQUIREMENTS AND INSTRUCTIONS PRIOR TO ROUGH-IN.
14. FAN SHALL BE SET TO RUN CONTINUOUSLY TO MAINTAIN OUTDOOR AIR REQUIREMENTS.

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.

FAN SCHEDULE

MARK	SERVICE AREA	MANUFACTURER	MODEL NUMBER	CONFIG	CFM	ESP (IN)	SONES	NOM HP	FAN RPM	DRIVE (BELT/DIRECT)	VOLT/PH/HZ	WEIGHT (LBS)	DIMENSIONS LxW	OPENING L"xW"	CONTROL	NOTES
EF-1	RESTROOM WOMENS	GREENHECK	~~G-080-VG~~	ROOF	280	0.33	6.5	1/10	1438	DIRECT	120/1/60	38	17x17	12.5x12.5	RESTROOM LIGHTING	1,2,3,4,5
EF-2	RESTROOM MENS	GREENHECK	~~G-100-VG~~	ROOF	700	0.33	5.8	1/4	1174	DIRECT	120/1/60	54	19x19	14.5x14.5	RESTROOM LIGHTING	1,2,3,4,5
EF-3	KITCHEN PREP	GREENHECK	~~G-095-VG~~	ROOF	600	0.33	6.9	1/6	1363	DIRECT	120/1/60	42	17x17	12.5x12.5	WALL SWITCH	1,2,3,5,6
EF-4	DRY GOODS RECEIVING	GREENHECK	~~G-095-VG~~	ROOF	600	0.33	6.9	1/6	1363	DIRECT	120/1/60	42	17x17	12.5x12.5	THERMOSTAT	1,2,3,5
KEF-1	KITCHEN PREP	K-TECH	DU85HK	ROOF	1300	1.0	9.8	3/4	1194	DIRECT	115/1/60	93	23x23	22.5x22.5	HOOD	3,5,7,8,9
KSF-1	KITCHEN PREP	K-TECH	K-A1-E.201-15D	ROOF	1040	0.5	9.7	1	1298	DIRECT	115/1/60	442	71x27.375	13.25x11.5	HOOD	1,2,3,5,9

2

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

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.
4. INTERLOCK FAN OPERATION WITH RESTROOM LIGHT SWITCH.
5. PROVIDE WITH MANUFACTURER'S ELECTRONICALLY COMMUTATED (EC) MOTOR.
6. REFERENCE SHEET E110 FOR WALL SWITCH LOCATION.
7. PROVIDE WITH MINIMUM 12" HIGH ROOF CURB, VENTED ROOF CURB EXTENSION FOR 40" MINIMUM DISCHARGE HEIGHT ABOVE ROOF SURFACE OR AT ELEVATION HIGHER THAN ADJACENT BUILDING STRUCTURE WITHIN 10 FEET WHICHEVER IS GREATER, GREASE TRAP WITH ABSORBANT MATERIAL AND DRAIN CONNECTION, HINGE KIT, ACCESS PORT FOR CLEANING FAN BLADES AND INTEGRAL MOTOR OVERLOAD PROTECTION.
8. FAN SHALL HAVE UL762 RATING.
9. ELECTRICAL CONTRACTOR SHALL INTERLOCK FRYER WITH EXHAUST FAN/MAKE-UP AIR UNIT. EXHAUST FAN/MAKE-UP AIR UNIT SHALL TURN "ON" WHEN EQUIPMENT IS STARTED AND "OFF" 30 MINUTES AFTER EQUIPMENT HAS BEEN TURNED "OFF".

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	10x10	ALUM.	GYPSUM CEILING	OFF WHITE	-	-	MAX. 30	*	1, 2, 3, 4, 5
B	TITUS	TMSA-AA	24x24	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERT/HORZ	MAX. 30	250-425	1, 2, 3, 4, 5
D	TITUS	ML39	(4)4"x1"	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERT/HORZ	MAX. 30	350-425	2, 3, 4, 5, 7
F	TITUS	ML39	(5)4"x1"	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERT	MAX. 30	10-575	2, 3, 4, 5, 7
G	TITUS	ML39	(5)4"x1"	SEE PLAN	ALUM.	GYPSUM CEILING	OFF WHITE	-	VERT	MAX. 30	10-250	2, 3, 4, 5, 7
R	TITUS	350RL	12x12	10x10	ALUM.	SEE PLANS	OFF WHITE	-	-	MAX. 30	*	2, 3, 5, 6
S	TITUS	350RL	24x24	22x22	ALUM.	SEE PLANS	OFF WHITE	-	-	MAX. 30	*	2, 3, 5
T	TITUS	350RL	24x48	22x46	ALUM.	SEE PLANS	OFF WHITE	-	-	MAX. 30	*	2, 3, 5

2

NOTES:
1. PROVIDE TYPICAL 4-WAY DIFFUSION, 2-WAY OR 3-WAY ONLY WHERE INDICATED ON PLANS.
2. REFER TO ARCHITECT PLANS FOR CEILING TYPE.
3. FINAL COLOR SELECTION SUBJECT TO ARCHITECT APPROVAL.
4. FLEX DUCT SIZE TO BE SAME AS DIFFUSER NECK SIZE.
5. PROVIDE INSULATION ON THE BACK OF DIFFUSER.
6. PROVIDE GRILLE MOUNTED OPPOSED BLADE VOLUME DAMPER WITH CONCEALED ACCESSIBLE OPERATOR.
7. PROVIDE MP1-39 PLENUM BOX AND BORDER TYPE 2A.

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0506

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EXPIRES 6/30/2022

PROJECT MANAGER:
AH
CHECKED BY:
AI
DRAWN BY:
CB

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

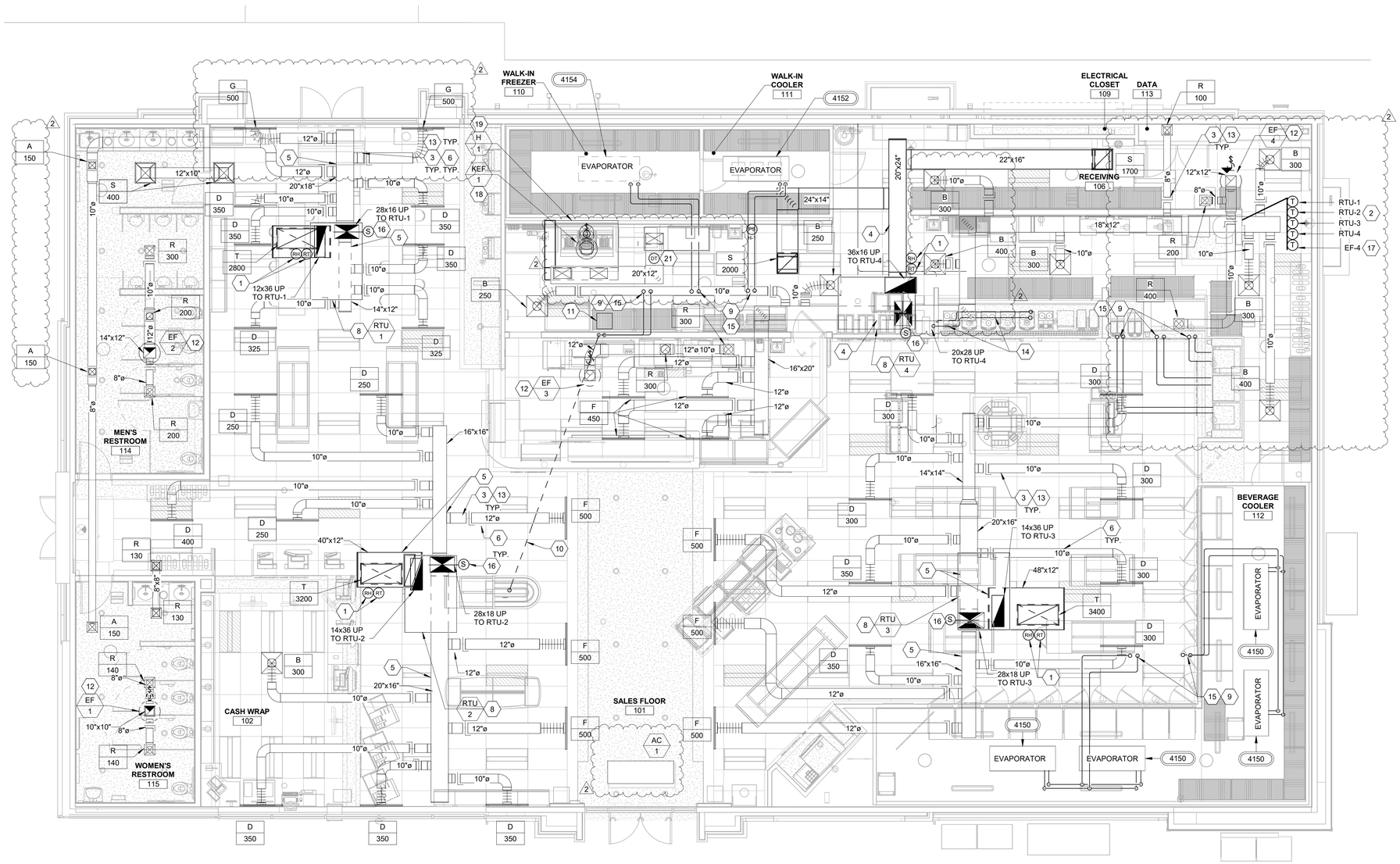
05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
MECHANICAL EQUIPMENT SCHEDULES

SHEET NUMBER
M002

JARROD M. EASTERWOOD



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

GENERAL NOTES

1. FLEXIBLE DUCTWORK NOT TO EXCEED 5'-0". WHEN LONGER RUNS OCCUR, USE MINIMUM #26 GA HARD ROUND DUCTWORK TO MAINTAIN REQUIRED LENGTH.
2. 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.
3. GENERAL CONTRACTOR TO PROVIDE PIPE STAND TO HOLD REFRIGERANT LINES UP OFF ROOF.
4. 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.
5. 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.
6. INSTALL 1" ACOUSTICAL DUCT LINER IN FIRST 15' OF SUPPLY AND RETURN AIR DUCT FROM ROOFTOP UNIT.
7. PROVIDE DIFFUSERS/GRILLES WITH NECK SIZE SAME SIZE AS BRANCH DUCTWORK.
8. HOOD SYSTEM COMPONENTS TO MAINTAIN MIN. 18" CLEARANCE FROM COMBUSTIBLE MATERIAL, 3" CLEAR FROM LIMITED COMBUSTIBLE MATERIAL, AND 0" CLEAR FROM NON-COMBUSTIBLE MATERIAL, AS DEFINED IN NFPA 96.
9. BRANCH SUPPLY DUCT CONNECTION TO MAIN SUPPLY DUCT SHALL BE A MIN. 5'-0" FROM RTU SUPPLY DROP.

SHEET KEYNOTES

1	REMOTE TEMPERATURE/HUMIDITY SENSOR MOUNTED IN RETURN DUCT. CONNECT TO PROGRAMMABLE THERMOSTAT/HUMIDISTAT LOCATED IN BACK OF HOUSE AREA.
2	THERMOSTAT/HUMIDISTAT FOR RTU-1, RTU-2 & RTU-3 TO BE SET AT 68°F FOR HEATING, 72°F FOR COOLING AND 50% FOR HUMIDITY. THERMOSTAT/HUMIDISTAT FOR RTU-4 TO BE SET AT 67°F FOR HEATING, 73°F FOR COOLING AND 50% FOR HUMIDITY. REFER TO MANUFACTURER REQUIREMENTS FOR FIELD INSTALLED WIRING PRIOR TO ROUGH-IN. THERMOSTATS/HUMIDISTATS SHALL BE INSTALLED AT 48" A.F.F. LOCATE DUCT-DETECTOR SMOKE TEST SWITCHES ABOVE THERMOSTATS/HUMIDISTATS.
3	SPIN-IN FITTING AND EXTRACTOR SCOOP, TYPICAL.
4	ROUTE DUCTWORK BELOW JOIST.
5	ROUTE DUCTWORK BETWEEN JOIST.
6	ROUTE BRANCH DUCTS THROUGH ROOF JOIST.
8	PACKAGED HVAC UNIT TO BE INSTALLED ON ROOF CURB POSITIONED OVER BUILDING STEEL. COORDINATE INSTALL WITH ARCH/STRUCT DWG. SEE DETAIL 2 AND 6 ON SHEET M430, AND DETAIL 7 ON SHEET S432.
9	INSTALL REFRIGERANT PIPING FROM REMOTE CONDENSER ON ROOF TO INDOOR EQUIPMENT/EVAPORATOR AND CONNECT FOR OPERATION. SEAL PIPE PENETRATIONS WITH 3M LATEX SEALANT CP 25WB+. INSULATE PER MECHANICAL NOTES ON SHEET M001. COORDINATE INSTALLATION REQUIREMENTS WITH EQUIPMENT VENDOR.
10	ROUTE REFRIGERANT LINES UNDER SLAB IN 6" PVC. REFER TO PLUMBING SHEETS FOR PVC LOCATION.
11	REFRIGERANT PIPING UP FROM BELOW FLOOR IN PIT AND INTO CEILING SPACE TO EQUIPMENT ON ROOF. SEE PIT DETAIL 10 ON SHEET S430.
12	EXHAUST DUCT UP THROUGH ROOF TO EXHAUST FAN. SEE DETAIL 1 ON SHEET M430.
13	BALANCE DAMPER SHALL BE PRICE MODEL 80 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
14	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.
15	REFRIGERANT PIPING UP THROUGH ROOF IN ATR HUB. SEE DETAIL 3 ON SHEET A201.
16	SMOKE DETECTOR PROVIDED BY ROOFTOP UNIT MANUFACTURER TO SHUTDOWN UNIT UPON SENSING SMOKE AND SEND OUT A REMOTE ALARM SIGNAL.
17	EF-4 THERMOSTAT SHALL CLOSE ON TEMPERATURE RISE. THERMOSTAT SHALL BE SET AT 75°F. THERMOSTAT SHALL BE HONEYWELL MODEL T651A3018. COORDINATE WITH ELECTRICAL.
18	LISTED GREASE DUCT TO BE INSTALLED IN ACCORDANCE WITH LISTING MANUFACTURER INSTRUCTIONS. SLOPE HORIZONTAL DUCT 2% TOWARD HOOD. ACCESS OPENINGS SHALL BE PROVIDED AT ALL CHANGES OF DIRECTION, MAX. 12 FEET APART, AND SHALL COMPLY WITH REQUIREMENTS OF NFPA 96 SECTIONS 7.3 AND 7.4. MAINTAIN 18" CLEAR AROUND DUCT.
19	LISTED GREASE EXHAUST DUCT TO BE INSTALLED IN ACCORDANCE WITH LISTING MANUFACTURER INSTRUCTIONS. MAINTAIN 18" CLEAR AROUND DUCT. REFERENCE DETAIL 4 ON SHEET M431
21	INSTALL DUCT THERMOSTAT.

INCORPORATED SPB - 2021_0501; 2021 _0506

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2050004273
GA. CORPORATE NO. PEF002734
EXPIRES 6/30/2022

PROJECT MANAGER: AH
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12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21
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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

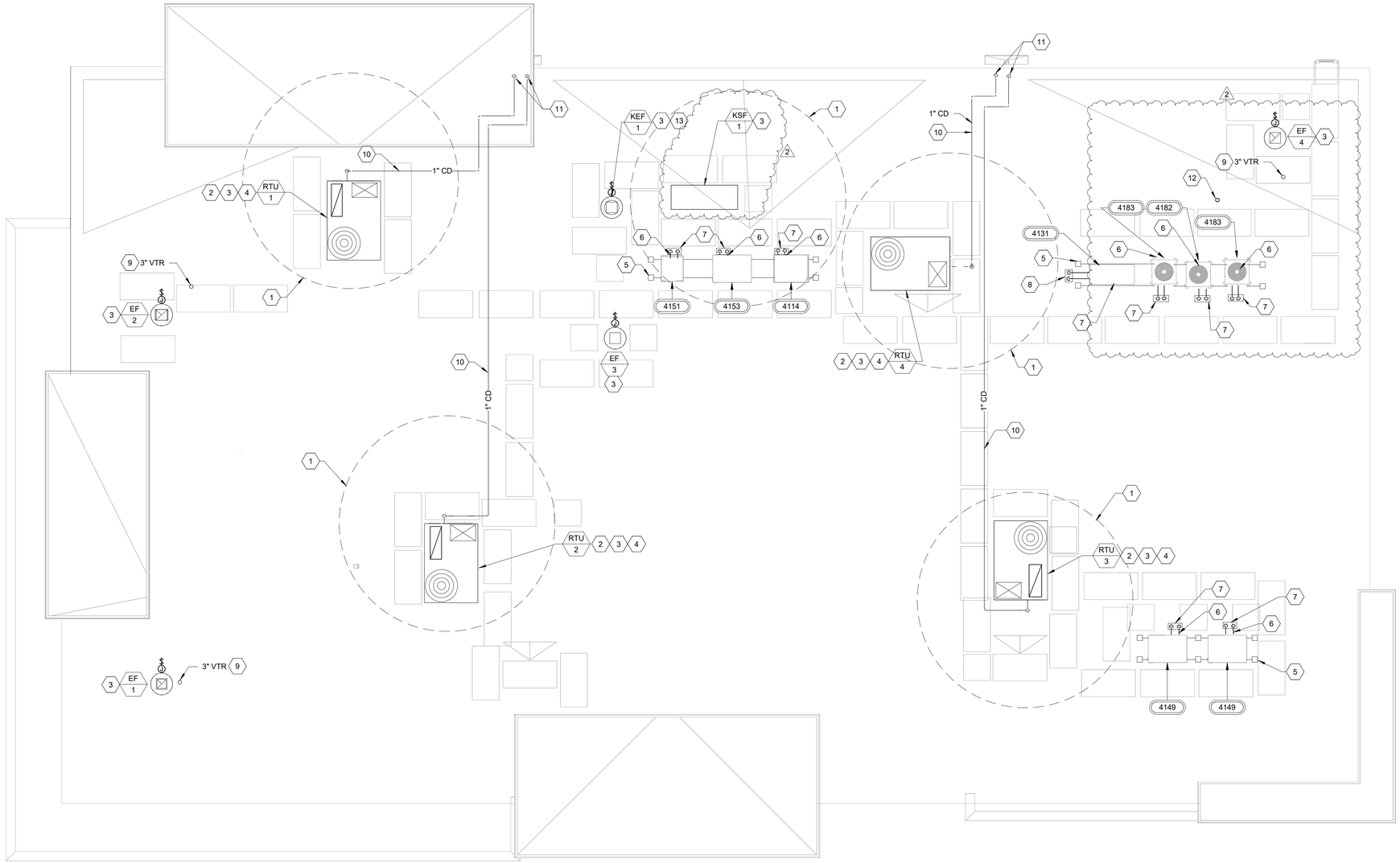
05/12/2022

PROJECT NUMBER 63200243

SHEET TITLE
MECHANICAL PLAN

SHEET NUMBER
M120

JARROD M. EASTERWOOD



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. EXHAUST VENTS SHALL MAINTAIN A MINIMUM OF 10'-0" CLEARANCE FROM ANY OUTSIDE AIR INTAKE.
6. COORDINATE EXACT LOCATION OF ALL ROOF PENETRATIONS WITH THE ARCHITECTURAL DRAWINGS.
7. ALL CONDUIT/PIPING ROUTED THROUGH ATR HUB SHALL HAVE LOW POINT OUTSIDE OF ATR TO ENSURE WATER TIGHT AND NO WATER OR CONDENSATE RUNS BACK INTO ATR HUB.

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 2 AND 6 ON SHEET M430.
4	ALL UTILITIES TO ROOFTOP HVAC UNITS TO BE ROUTED UP THROUGH ROOF CURB. COORDINATE WITH MANUFACTURERS 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	CONTRACTOR SHALL FURNISH AND INSTALL 1 1/4"ø CHILLED WATER SUPPLY AND RETURN PIPING FROM CHILLER TO YOGURT MACHINES. COORDINATE EXACT REQUIREMENTS WITH VENDOR.
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	NON-FREEZE ROOF HYDRANT. SHOWN FOR REFERENCE. SEE PLUMBING PLANS FOR MORE INFORMATION.
13	FAN DISCHARGE TO BE LOCATED MIN. 40" ABOVE ROOF SURFACE AND FAN HOUSING TO BE LOCATED MIN. 5'-0" FROM ANY COMBUSTIBLE STRUCTURE. SEE DETAIL 5 ON SHEET M431.

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PROJECT NAME

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ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

JARROD M. EASTERWOOD

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE

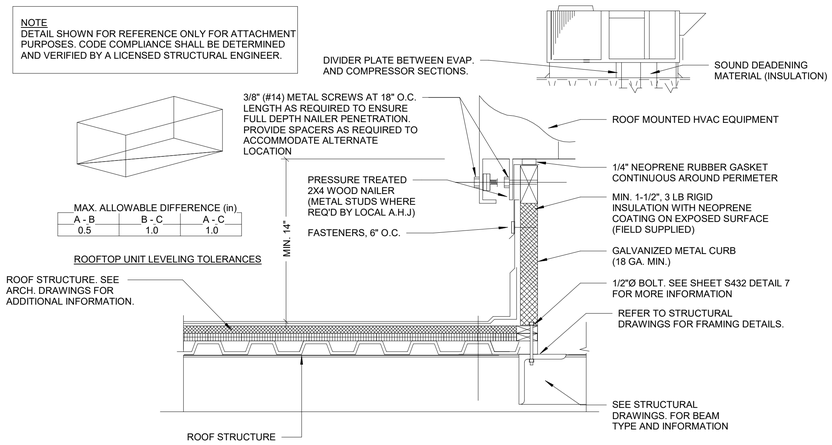
MECHANICAL ROOF PLAN

SHEET NUMBER

M200

JARROD M. EASTERWOOD

NOTE
DETAIL SHOWN FOR REFERENCE ONLY FOR ATTACHMENT PURPOSES. CODE COMPLIANCE SHALL BE DETERMINED AND VERIFIED BY A LICENSED STRUCTURAL ENGINEER.



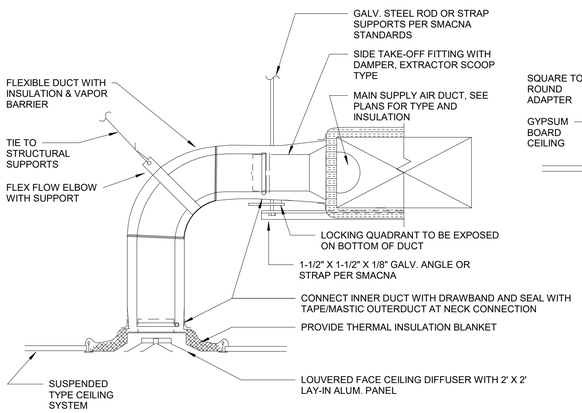
MAX. ALLOWABLE DIFFERENCE (in).		
A - B	B - C	A - C
0.5	1.0	1.0

ROOFTOP UNIT LEVELING TOLERANCES

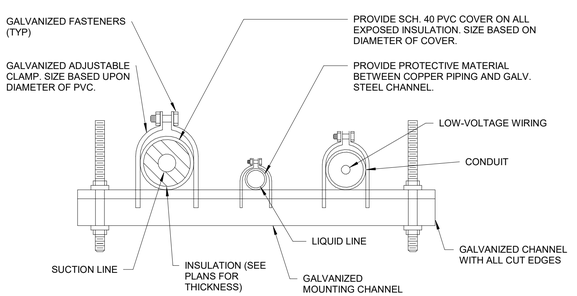
ROOFTOP UNIT INSTALLATION NOTES

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.

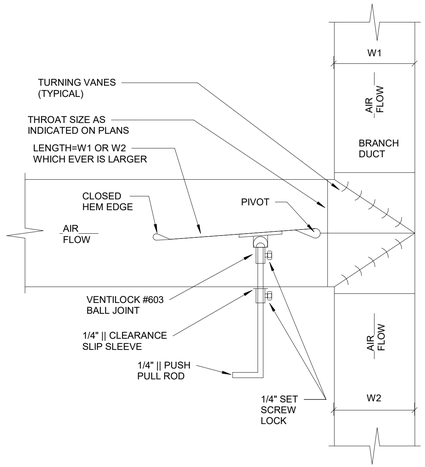
6 HVAC EQUIPMENT ROOF CURB DETAIL
NTS



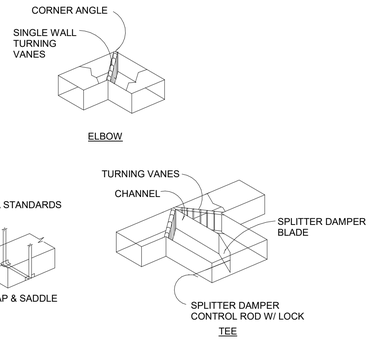
5 TYPICAL DIFFUSER DETAIL
NTS



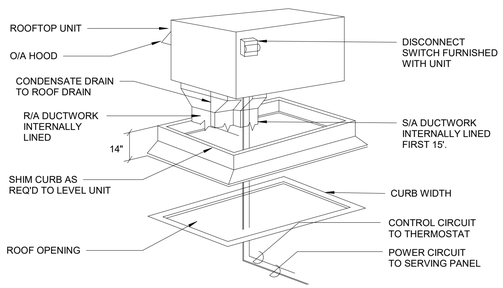
3 REFRIGERANT PIPE MOUNTING DETAIL
NTS



7 RECTANGULAR TEE DUCT DETAIL
NTS



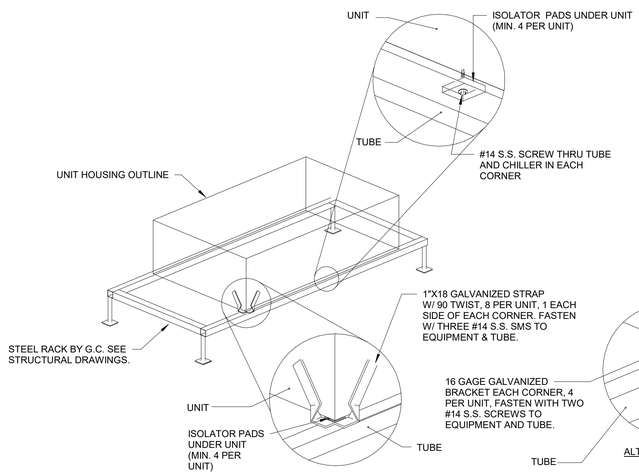
4 HVAC DUCT DETAILS
NTS



NOTES

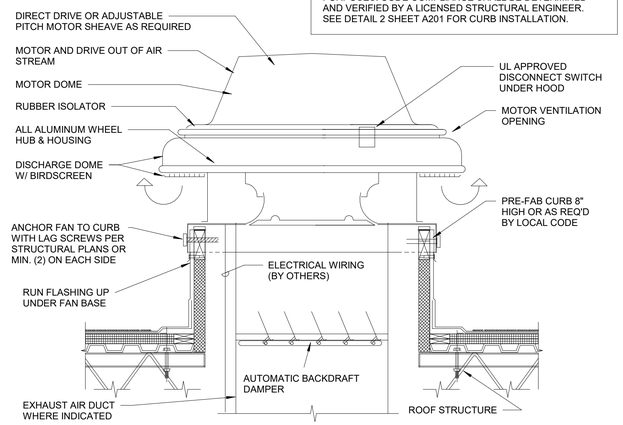
1. DUCT TRANSITION FROM RTU TO DUCT SIZE SHOWN ON MECH. FLOOR PLAN SHALL BE MADE BETWEEN RTU AND TOP OF ROOF WITHIN CURB.
2. INSTALL PER MANUFACTURER'S RECOMMENDATION AND INSTALLATION MANUAL.
3. ALL WIRING BY ELECTRICAL CONTRACTOR.

2 ROOFTOP UNIT CONNECTIONS DETAIL
NTS



8 ROOF EQUIPMENT MOUNTING RACK 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 RECOMMENDED BY STRUCTURAL ENGINEER. WELD CURB TO TOP CHORD AS ALTERNATE METHOD.

1 ROOF MOUNTED EXHAUST FAN DETAIL
NTS

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PROJECT NAME
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ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
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GEORGIA REGISTERED No. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

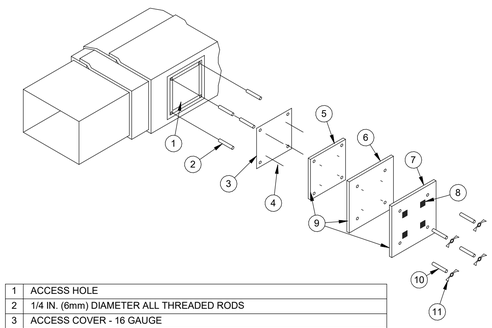
05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
MECHANICAL DETAILS

SHEET NUMBER
M430

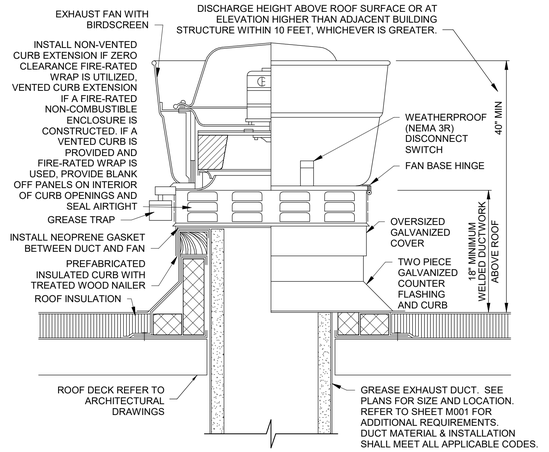
JARROD M. EASTERWOOD



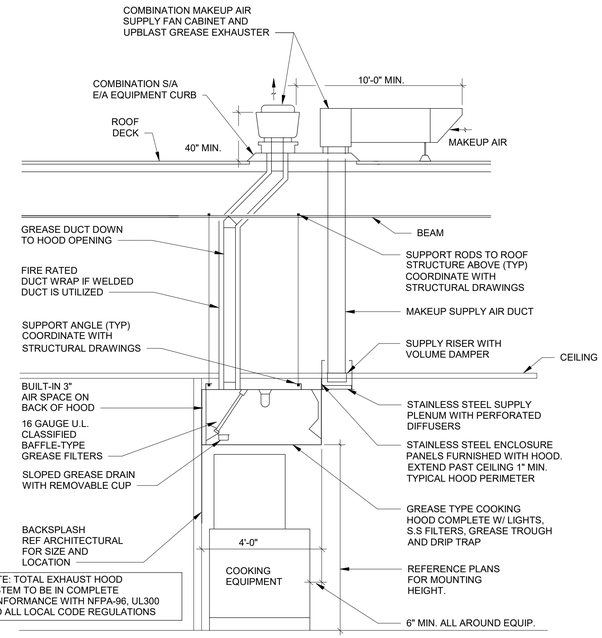
1	ACCESS HOLE
2	1/4 IN. (6mm) DIAMETER ALL THREADED RODS
3	ACCESS COVER - 16 GAUGE
4	INSULATED PINS - WELDED
5	FIRST LAYER FIRE BARRIER DUCT WRAP CUT SAME SIZE AS COVER
6	SECOND LAYER FIRE BARRIER DUCT WRAP WITH 1 IN. (25mm) OVERLAP ON ALL SIDES
7	THIRD LAYER FIRE BARRIER DUCT WRAP WITH 1 IN. (25mm) 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.

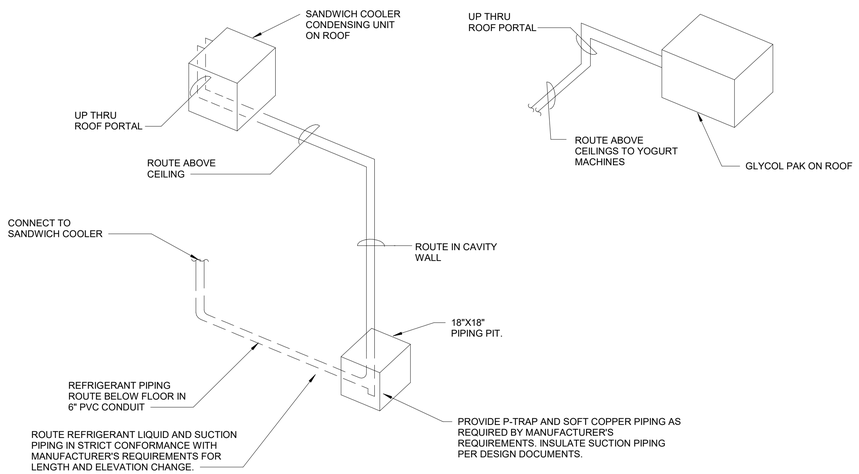
6 GREASE DUCT CLEANOUT ACCESS DOOR
NTS



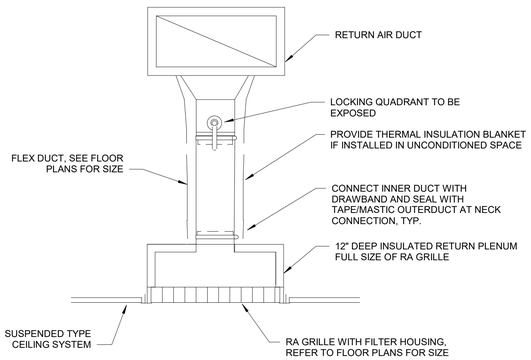
5 UPBLAST GREASE EXHAUST FAN DETAIL
NTS



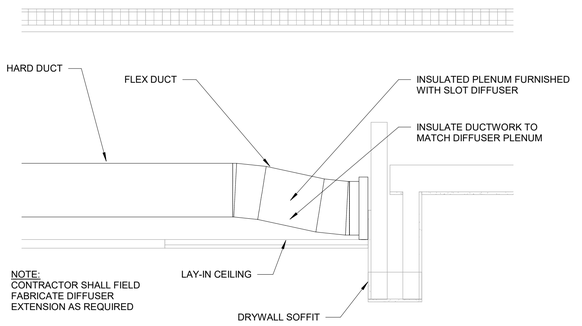
4 EXHAUST HOOD
NTS



3 REFRIGERANT ROUTING DETAIL
NTS



2 TYPICAL RETURN AIR GRILLE DETAIL
NTS



1 SLOT DIFFUSER DETAIL
NTS

INCORPORATED SPB - 2021_0506

JARROD M. EASTERWOOD

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
MECHANICAL DETAILS

SHEET NUMBER
M431

RaceTrac

Honeywell T7351 Thermostat Dehumidification settings

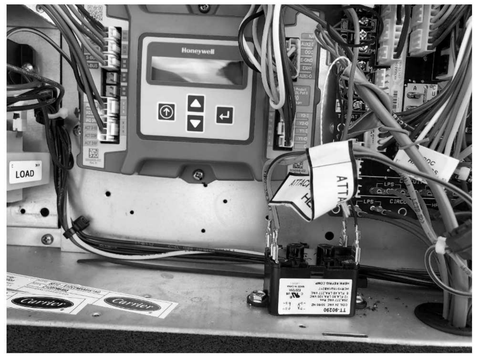
AUX STG	0	0 - 2	Number of Heat Pump Heating Stages (Only shown when Heat Pump is selected) 0: 0 Aux Stages 1: 1 Aux Stages 2: 2 Aux Stages
AUX CON	0	0 - 3	Aux Contact Functionality 0: Time of Day 1: Economizer 2: Dehumid - Hot Gas Bypass 3: Simple Dehumid
WALLMOD	0	0 - 3	Remote Room Sensor Selection 0: Local sensor only 1: TR21/TR24 and T7770A/D (Remote Sensor, No Remote Setpoint, Bypass 0) 2: TR22/TR23 and T7770B/C (Remote Sensor, Remote Setpoint, Bypass 0) 3: T7771 (Remote sensor, Remote Setpoint, Bypass 1) (Bypass 0 means that by pressing the override button the thermostat goes from unoccupied to occupied and the LED will light up and the temporary occupied timer will begin. If the button is pressed again, the timer will restart.) (Bypass 1 means that by pressing the override button a second time the thermostat can return to the unoccupied period.)
OATSENS	0	0 - 1	Outdoor Air Sensor Selection 0: None 1: Remote Outdoor Air Sensor
DATSENS	0	0 - 1	Discharge Air Sensor Selection 0: None 1: Remote Discharge Air Sensor
HUMSENS	0	0 - 2	Room Humidity Sensor selection 0: None 1: On Board Sensor 2: Remote Sensor

IMPORTANT – DO NOT CHANGE – MUST STAY AT 0: NONE

DEHUMID	0	0 - 5	Dehumidification 0: None 1: MinOn Time 2: Reset Temp Setpoint 3: Reset w/ MinOn 4: Reheat 5: Reheat w/ Min On

RaceTrac

Wiring for Carrier 50TC 08-14



RaceTrac

Wiring for Carrier 50TC 08-14

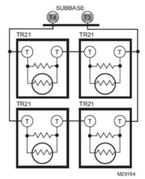


Fig. 2. Four TR21 Sensors providing temperature averaging network for T7351 Thermostat.

Wire temperature to T3 and T4 and Humidity to HS/HC/HP

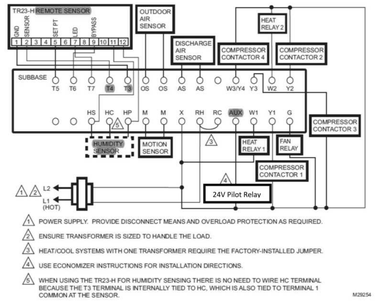


Fig. 8. Typical hookup of T7351F2010 in two-stage heat and four-stage cool conventional system.

RaceTrac

Wiring for Carrier 50TC 08-14

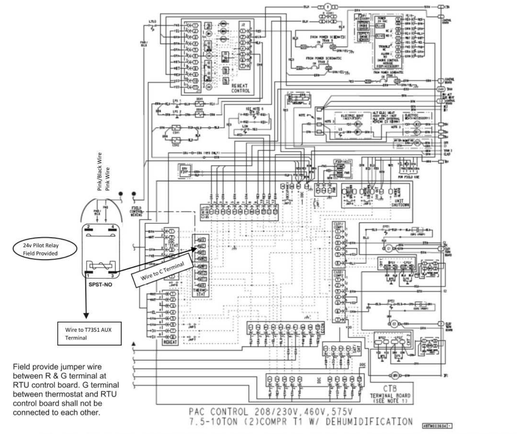


Fig. 64 — Typical Humidi-MiZer® Adaptive Dehumidification System Humidistat Wiring 50TC 08-14 Unit Sizes

RaceTrac

Wiring for Carrier 50FC 03-07

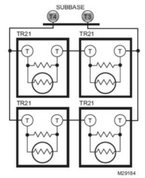


Fig. 2. Four TR21 Sensors providing temperature averaging network for T7351 Thermostat.

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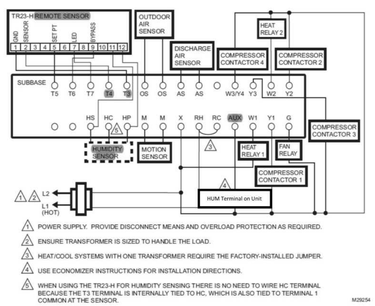
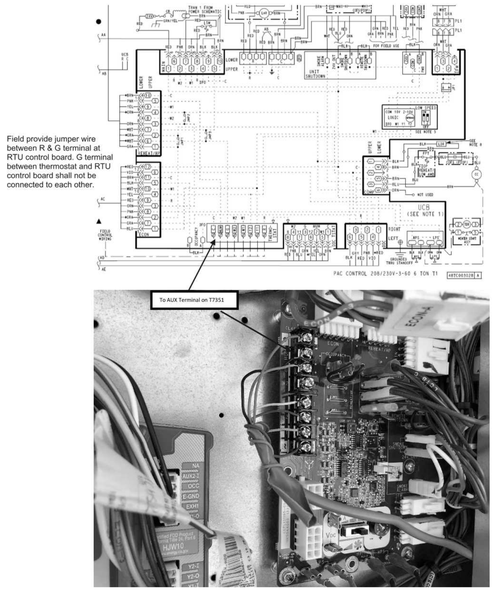


Fig. 8. Typical hookup of T7351F2010 in two-stage heat and four-stage cool conventional system.

RaceTrac

Wiring for Carrier 50FC 03-07



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DESIGN PROFESSIONALS

PROJECT MANAGER:
AH

CHECKED BY:
AI

DRAWN BY:
CB

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 DATE 12/08/21

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
63200243

2

SHEET TITLE

MECHANICAL RTU WIRING DIAGRAM

SHEET NUMBER

M432

1 RTU WIRING DIAGRAMS
NTS

INCORPORATED SPB - 2021_0502

ND-2 HANGING ANGLE DETAIL

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24"H)	DIM FROM FRONT (30"H)
CANOPY ND2	4.166"	2.246"	2.246"
ND2-PSP-F	4.166"	2.246"	2.246"
BACKSHELF 2847BD	2.00"	14.25"	—
VHB/VHB-G	36"X36"	42"X42"	48"X48"
FRONT/BACK DIMS BY SIZE	2.246"	2.246"	2.246"

HANGING ANGLE LOCATIONS

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)
SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED
TOTAL DUCT AREA=144 X CFM / FPM(*)
DUCT LENGTH= TOTAL DUCT AREA / DUCT DEPTH
CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 1000 FPM.

CALCULATIONS UTILIZED

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:
#3054804-001 #3054804-002 STANDARD 710 Intertek BUILT IN ACCORDANCE WITH NFPA No. 96
Listed under ETL File number 3054804-001/002

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	1" INSULATED STANDOFF

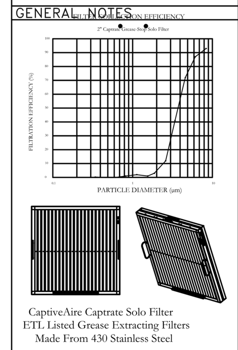
CLEARANCE TO COMBUSTIBLES

INSTALLATION
1.
2. ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
3. ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS. HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY
4. INSTALLING CONTRACTORS.
5. ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER MECHANICAL CONTRACTOR'S PLANS.
6. COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE.
7. EXHAUST FANS TO TURN ON IN EVENT OF FIRE. ALL LIGHTS FIXTURE SHOWN INSTALLED BY CAPTIVE-AIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN
8. HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS.
9. LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS. SEISMIC RESTANTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
10. INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.

BALANCE
11. KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.
12. KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.
13. RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.

ADDITIONAL
14. WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.
15. SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

GENERAL NOTES



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

FILTER DETAIL

HOOD INFORMATION – JOB#5089126

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW
1		5424 PK-ND-2 Q-SB-F	K-TECH	6' 0"	600 DEG	I	HEAVY	217	1300			4"	12"	1300	1655	-0.591"	1040	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1		CAPTRATE SOLO FILTER	4	20"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	LEFT	12"x54"x24"	ANSUL R102	3.0	DCV-1111	1 LIGHT 1 FAN	YES	536 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1		FIELD WRAPPER 17.00" HIGH FRONT, LEFT, RIGHT.
		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 6IN PLEN.

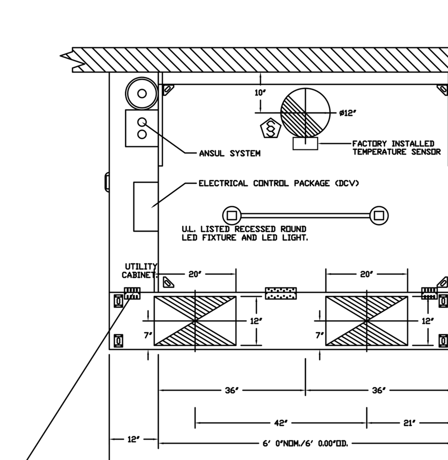
PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG	DIA	CFM	SP
1		Front	84"	14"	6"	MUA	12"	20"		520	0.149"
						MUA	12"	20"		520	0.149"

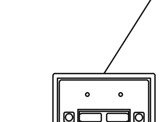
FOR QUESTIONS, CALL THE
Atlanta Office
Wes Henson
PHONE: (800) 882-6626
EMAIL: reg50@captiveaire.com

AIR BALANCE SCHEDULE

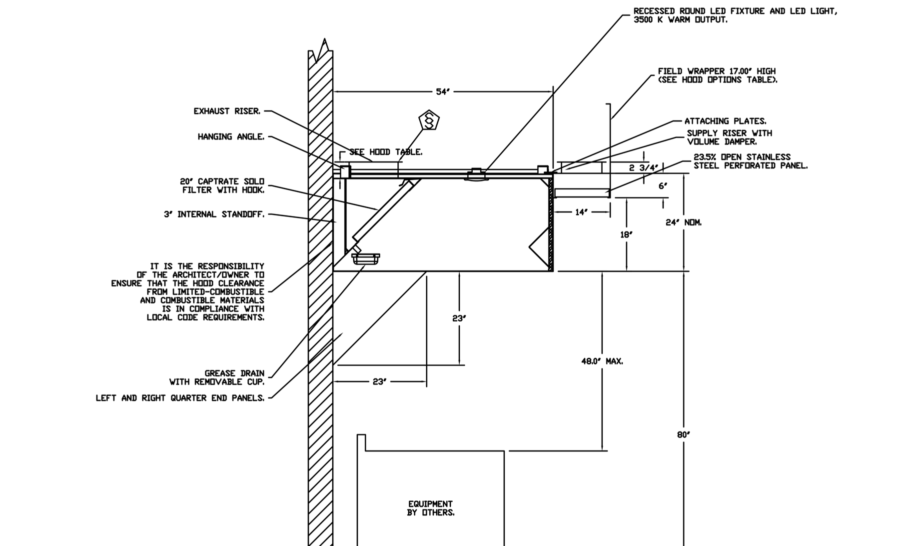
	EXHAUST	SUPPLY
EF-1	1,300 CFM	----
MAU-1	----	1040 CFM
RTU UNIT	----	260 CFM MINIMUM
TOTALS	1,300 CFM	1,300 CFM



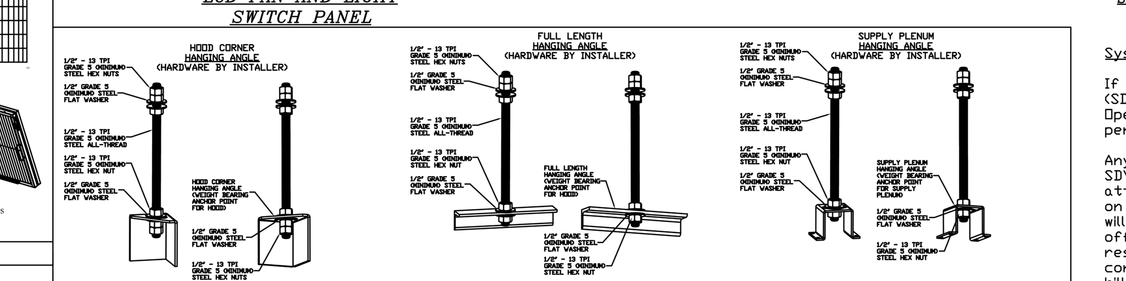
PLAN VIEW – HOOD #1
6' 0.00" LONG 5424PK-ND-2 Q-SB-F



LCD FAN AND LIGHT SWITCH PANEL



SECTION VIEW – MODEL 5424PK-ND-2 Q-SB-F
HOOD – #1



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

System Design Verification (SDV)

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.

DESCRIPTION	DATE:
EQUIPMENT CONTACTORS ADDED TO ECP	11/18/21

Atlanta Office
110 Londonderry Ct., Suite 136A, Woodstock, GA, 30188 PHONE: (800) 882-6626 FAX: (919) 227-5964 EMAIL: reg50@ktechhoods.com

Racetrac Travel Center 2021
9/7/2021
5089126
WAH-50
3/4" = 1'-0"
MASTER DRAWING
1

SECTION 23 38 13 13

SPECIFICATIONS
TAG: Commercial Kitchen Ventilation Hoods, Listed Commercial Kitchen Hoods

PART 1 – GENERAL

1.1 SUMMARY

A. The ND2 series is a Type I, wall canopy hood for use over 600°F cooking surface temperatures. The aerodynamic design includes a mechanical baffle and performance enhancing lip for exceptional capture and containment.

B. The hood shall have the size, shape, and performance specified on drawings.

1.2 SUBMITTALS

A. The manufacturer assumes no liability for the use or results of use from this document. Specifications are to be reviewed by the engineer to confirm the project's requirements and meet Federal, State, and Local codes and regulations.

B. As the manufacturer continues product development, it reserves the right to change design and specifications without notice.

C. The manufacturer shall supply complete computer generated submittal drawings, including hood section view(s) and hood plan view(s). These drawings must be available to the engineer, architect, and owner for their use in construction, operation, and maintenance.

1.3 QUALITY ASSURANCE

A. This hood is ETL-listed to standard UL710, ULC710, and ULC-S646 when installed in accordance with these installation instructions and National Fire Protection Association Standard 'NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations.'

B. Built-in compliance with NSF/ANSI Standard 2.

C. The hood shall be ETL Listed as:

1. 'Exhaust Hood Without Exhaust Damper.'
2. ETL Sanitation Listed and built in accordance with NFPA 96.
3. The ETL label shall list temperature rating(s) and minimum CFM/ft rating(s).

1.4 WARRANTY

A. All units shall be provided with the following standard warranty:

1. This equipment is warranted to be free from defects in materials and workmanship, under normal use and service, for a period of 2-years from date of shipment.

B. The manufacturer shall not be liable for incidental and consequential losses and damages potentially attributable to malfunctioning equipment. Should any part of the equipment prove to be defective in material or workmanship within the 2-year warranty period, upon examination by the manufacturer, such part will be repaired or replaced by manufacturer at no charge. The buyer shall pay all labor costs incurred in connection with such repair or replacement. Equipment shall not be returned without manufacturer's prior authorization, and all returned equipment shall be shipped by the buyer, freight prepaid to a destination determined by the manufacturer.

C. Refer to Manufacturer's Operation, Installation, and Maintenance (OIM) Manual for detailed descriptions of what is/is not covered and contact information for warranty claims.

PART 2 – PRODUCTS

2.1 GENERAL

A. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints, and penetrations of the hood enclosure to the lower outermost perimeter, which directs and captures grease-laden vapor and exhaust gases, shall have a liquid-tight continuous external weld in accordance with NFPA 96.

B. Duct sizes, CFM, and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

2.2 CONSTRUCTION

A. Construction shall be type 430 stainless steel.

B. Double wall insulated front to eliminate condensation and increase rigidity on wide sizes. The insulation shall have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFPA 90A and 90B.

C. Hood shall be equipped with a minimum of four connections for hanger rods. Hood lengths greater than 12' will have added hangers.

D. Exhaust duct collar to be 4"high with flange.

E. The grease drain system shall be an enclosed integral part of the hood back and have slopes with an exposed, removable 1/2 grease cup to facilitate cleaning.

F. An integral baffle to direct grease laden vapors toward the exhaust filter bank.

G. Hood shall be furnished with UL classified filters, supplied in size and quantity as required by ventilator.

H. All seams shall be welded and have stainless steel on exposed surfaces.

2.3 LIGHTING

A. Recessed round LED fixture and LED light, 3500K Warm output.

2.4 FILTERS

A. Stainless Steel Captrate Solo filter with hook, ETL Listed. Particulate capture efficiency: 85% efficient at 9 microns, 76% efficient at 5 microns.

2.5 OPTIONS

A. Fire Suppression System: UL 300 fire suppression system.

B. Optional perforated supply plenum shall provide make-up air discharged below the cooking equipment.

1. Perforated diffuser plates shall be included in the design to provide even air distribution.
2. Unexposed surfaces shall be constructed of aluminized steel. Plenum shall be insulated to prevent condensation.
3. Perforated Supply Plenum (PSP)

C. Hood Mounted Utility Cabinet – Cabinet can store listed fire suppression system, listed components, pre-wired electrical controls.

2.6 ACCESSORIES

A. End Panel(s) maximize hood performance and eliminate the effects of cross drafts in the kitchen. Units constructed of stainless steel and sized according to hood width and cooking equipment. Exposed edges hemmed for safety and rigidity. Selected panels:

1. Quarter End Panel

B. Wrapper(s) may be installed from the factory or field installed. Wrapper(s) selected:

1. Wrapper

C. Miscellaneous option(s) selected:

1. Riser Sensor Install -Sensor set-up for 6"plenum.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions under which the system is installed. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to Installer.

3.2 INSTALLATION

A. Install in accordance with manufacturer's instructions, drawings, written specifications, manufacturer's installation manual, and all applicable building codes.

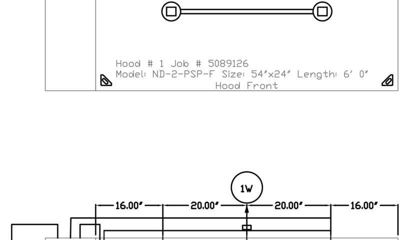
DESCRIPTION	DATE:
EQUIPMENT CONTACTORS ADDED TO ECP	11/18/21

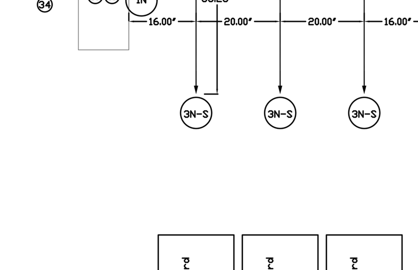
Atlanta Office
110 Londonderry Ct., Suite 136A, Woodstock, GA, 30188 PHONE: (800) 882-6626 FAX: (919) 227-5964 EMAIL: reg50@ktechhoods.com

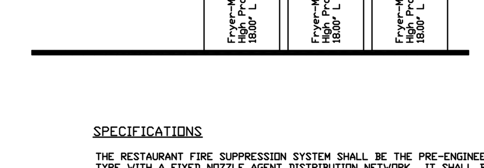
Racetrac Travel Center 2021
9/7/2021
5089126
WAH-50
3/4" = 1'-0"
MASTER DRAWING
2

FIRE SYSTEM INFORMATION – JOB#5089126

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION SYSTEM	LOCATION ON HOOD
1		ANSUL R102	3.0	11	FIRE CABINET LEFT	LEFT HOOD 1







NOTES
- FIELD PIPE DROPS AS SHOWN
  SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
- IF APPLICABLE, PRE-PIPED CHARBROILER 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 U.L. 300 REQUIREMENTS

Job #: 5089126
Job Name: Racetrac Davenport FL #2560

System Size: ANSUL-3.0 Total FP required: 11
Hood # 1 6' 0.00" Long x 54" Wide x 24" High
Riser # 1 Size: 12" Dia.
Hood # 1 Metal Blow-Off Caps included.

LEGEND – FIRE CABINET ANSUL SYSTEM

1A	1.5 GALLON TANK
1B	3 GALLON TANK
2	OEM AUTOMAN RELEASE
3	OEM REGULATED RELEASE
4	OEM REGULATED ACTUATOR
5	ANSULEX LIQUID AGENT (3 GAL.)
6	ANSULEX LIQUID AGENT (1.5 GAL.)
7	CARTRIDGE (101-20)
8	CARTRIDGE (101-10)
9	CARTRIDGE (101-30)
9A	CARTRIDGE (LT-A-101-30)
9B	DOUBLE TANK CARTRIDGE
10	TEST LINK
11	DOUBLE MICROSWITCH
12	HOSE ASSEMBLY
1100	DUCT NOZZLE (430913)
2W	DUCT NOZZLE (419337)
1W	NOZZLE ASSEMBLY (419336)
1F	NOZZLE ASSEMBLY (419333)
1N	NOZZLE ASSEMBLY (419335)
1/2N	NOZZLE ASSEMBLY (419334)
3N	NOZZLE ASSEMBLY (419338)
245	NOZZLE ASSEMBLY (419340)
230	NOZZLE ASSEMBLY (419339)
2120	NOZZLE ASSEMBLY (419343)
290	NOZZLE ASSEMBLY (419342)
260	NOZZLE ASSEMBLY (419341)
28	DETECTOR BRACKET
29	LOW TEMP FUSIBLE LINK
30	HIGH TEMP FUSIBLE LINK
MGV	MECHANICAL GAS VALVE
EGV	ELECTRICAL GAS VALVE
34	REMOTE MANUAL PULL STATION
S	SWIVEL ADAPTOR

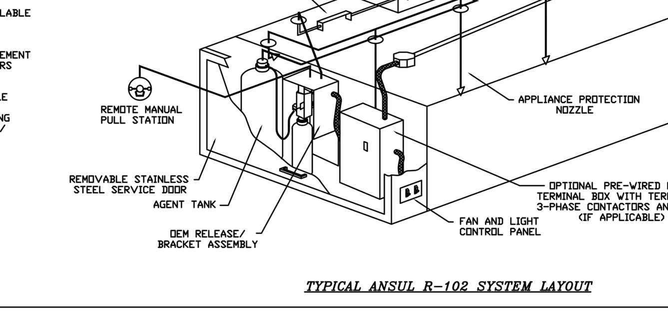
SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/LINKAGE ASSEMBLY.

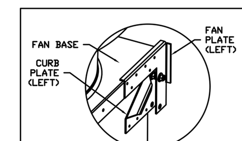


TYPICAL ANSUL R-102 SYSTEM LAYOUT

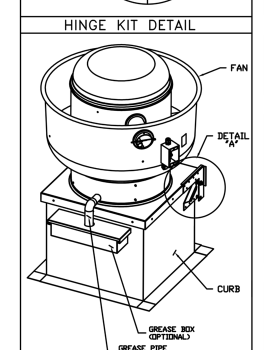
DESCRIPTION	DATE:
EQUIPMENT CONTACTORS ADDED TO ECP	11/18/21

Atlanta Office
110 Londonderry Ct., Suite 136A, Woodstock, GA, 30188 PHONE: (800) 882-6626 FAX: (919) 227-5964 EMAIL: reg50@ktechhoods.com

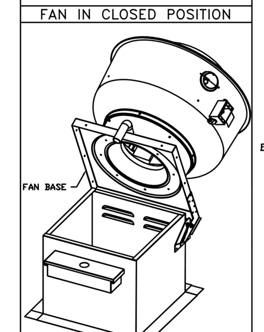
Racetrac Travel Center 2021
9/7/2021
5089126
WAH-50
3/4" = 1'-0"
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3



HINGE KIT DETAIL

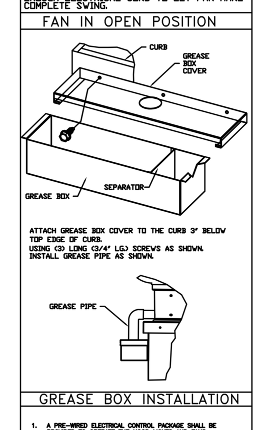


FAN IN CLOSED POSITION



ATTENTION: INSTALLER SHOULD SUPPLY ENOUGH ELECTRICAL CORD TO LET FAN MAKE COMPLETE SWING.

FAN IN OPEN POSITION



ATTACH GREASE BOX COVER TO THE CURB 3" BELOW TOP EDGE OF CURB. USING (3) LONG (3/4" LG.) SCREWS AS SHOWN. INSTALL GREASE PIPE AS SHOWN.

GREASE BOX INSTALLATION

1. A PRE-WIRED ELECTRICAL CONTROL PACKAGE SHALL BE PROVIDED TO OPERATE THE HOOD LIGHTS AND FANS.
2. PACKAGE SHALL CONSIST OF SWITCH PANEL WITH LIGHT SWITCH(ES) AND RED-LIGHTED FAN SWITCH(ES), STARTER/OVERLOAD ASSEMBLY FOR EACH FAN(OPTIONAL), NUMBERED INPUT/OUTPUT TERMINAL STRIPS, AND A TERMINAL FOR DOUBLE-DUAL FIRE SYSTEM MICROSWITCH CONNECTION.
3. ONE RELAY IS WIRED TO MICROSWITCH (IN FIRE SYSTEM) FOR SUPPLY FAN SHUTDOWN AND OTHER RELAY FOR ADDITIONAL FIRE SYSTEM ACTIVATED DRY CONTACTS.
4. ELECTRICAL CONDUIT DROPS FROM THE FAN(S) SHALL BE CONNECTED TO THE NUMBERED TERMINAL STRIP. CONDUIT BETWEEN THE PRE-WIRE PACKAGE AND FAN(S) SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR.

ELECTRICAL PACKAGE NOTES

EXHAUST FAN INFORMATION – JOB#5089126

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	DU85HK	K-TECH	1300	1.000	1194	TEAO-ECM	0.750	0.3260	1	115	8.9	411 FPM	93	9.8

MUA FAN INFORMATION – JOB#5089126

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
2	SF-1	1	K-A1-E.201-15D	15MF-1-MOD	A1-E.201	800	1040	0.500	1298	TEAO-ECM	1.000	0.3230	1	115	11.6	14.5A	25A	442	9.7

ELECTRIC MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	DSGN KW'S	MAX KW'S	PHASE	VOLTS	AMPERAGE	TEMP RISE	OUTPUT BTUs
2	SF-1	19	20	1	240	83.3	59 °F	68260

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX.
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
		1	2 YEAR PARTS WARRANTY.
2	SF-1	1	AC INTERLOCK RELAY - 24VAC COIL.
		1	MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING. MEETS AMCA CLASS 1A RATING.
		1	ECM WIRING PACKAGE - DD SUPPLY - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR).
		1	2 YEAR PARTS WARRANTY.

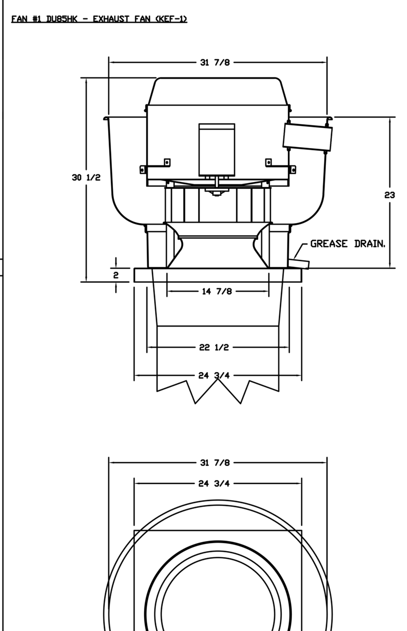
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SUPPLY SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						
2	SF-1						YES	

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	41 LBS	CURB	23.000"W X 23.000"L X 24.000"H VENTED HINGED.
2	# 2	SF-1	65 LBS	CURB	21.000"W X 71.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.

FAN #1 DU85HK - EXHAUST FAN (KEF-1)

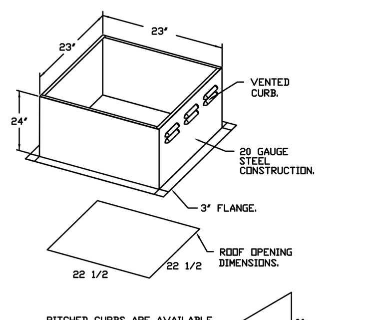


FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS
GREASE BOX.
ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
2 YEAR PARTS WARRANTY.

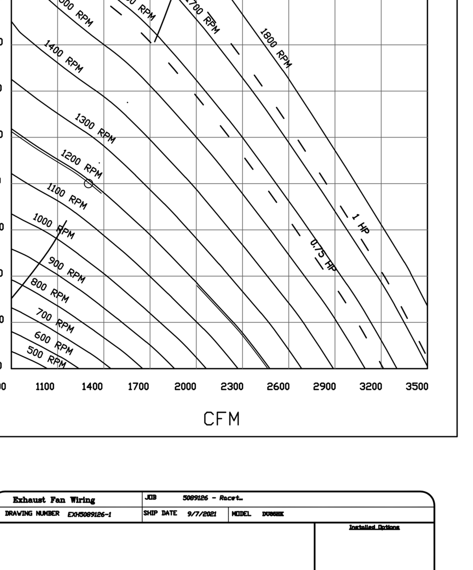


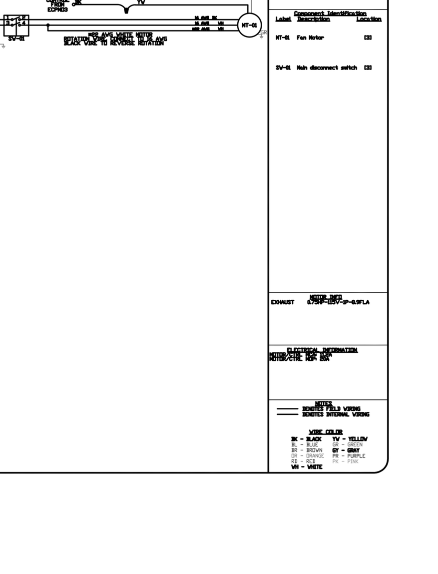
PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.

FAN#1 (KEF-1) – EXHAUST PERFORMANCE CURVES.

1300 CFM, 1 SP @ 1194 RPM AND 0.326 BHP AT 913 FEET AND 70 DEG F.
* PLEASE NOTE THAT THESE CURVES WERE ADJUSTED FOR JOB SPECIFIC TEMPERATURE AND ALTITUDE.





DESCRIPTION	DATE:
EQUIPMENT CONTACTORS ADDED TO ECP	11/18/21

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INCORPORATED SPB - 2021_0502

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE
05/16/22	REFRESH 2021-05

RaceTrac

RACETRAC PETROLEUM, INC.
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PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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
63200243

SHEET TITLE
2
K-TECH

SHEET NUMBER

M500

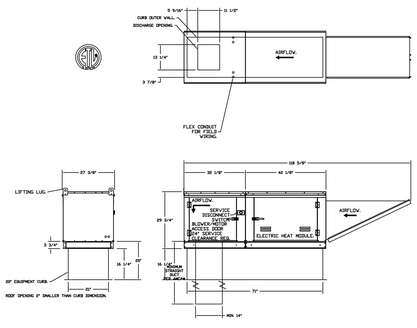
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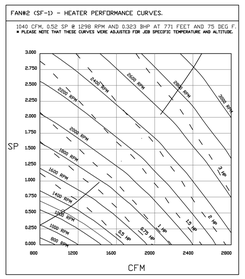
FAN #2 (CF-1) - HEATER CF-01
1 - ELECTRIC HEATED MAKE UP AIR UNIT WITH DF MIXED FLOW DIRECT DRIVE FAN AND A 2 STAGES TOTAL, 1 MODULATING, 20KW
2 - 1 FILTER
3 - SMOKE HOOD WITH EC FILTERS
4 - COOLING SHORDEL 80 AT, 120VAC COIL, 120V CONTACTS. LOCK OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
5 - NOTIFIER CONNECTED TO FIRE ALARM SYSTEM. DUCT DETECTOR IN RETURN AIR UNIT. SYSTEMIZED SHAFT, STANDARD
6 - INTERLOCK CONNECTED TO EXHAUST FAN TO ENERGIZE MAKE UP AIR UNIT
7 - 5 HP VIBRO PACKAGE FOR SUPPLY MOTORS WITH FAN SIZING, FROM EUPREX PREVIBE.
8 - 2 YEAR PARTS WARRANT

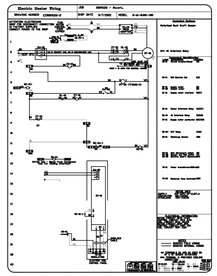
EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODES. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED WHEN PUBLICATIONS ARE MORE RESTRICTIVE THAN LOCAL CODES. CLEARANCES TO COMBUSTIBLE MATERIALS SHALL BE MAINTAINED AS SPECIFIED ON THE EQUIPMENT. CLEARANCES TO SERVICE AREAS SHALL NOT BE LESS THAN MANUFACTURER RECOMMENDATIONS. IN THE INSTANCE OF ALL FUNCTIONS, SYSTEMS AND EQUIPMENT, THE INSTALLATION SHALL NOT IMPAIR THE INTENDED OPERATION OF THE SYSTEM. THE INSTALLATION SHALL NOT ADVERSELY AFFECT ANY OTHER SYSTEM OR EQUIPMENT. THE INSTALLATION SHALL NOT SIGNIFICANTLY INCREASE STATIC PRESSURE AND SOUND ASSEMBLY SO AS NOT RELY ON VAV, FAILURE OF THE EQUIPMENT TO PERFORM AS INTENDED, OR OTHER ADVERSE EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 14" x 14".

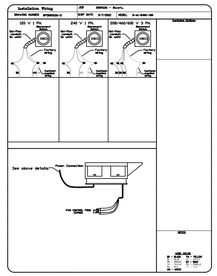
SUPPLY SIDE HEATER INFORMATION:

VENTER TEMPERATURE = 24°F. TEMP. RISE = 59°F.
KVA CALCULATED OF ACTUAL AIR DENSITY:
KVA AT SEA LEVEL = 20
KVA AT ALTITUDE OF 775 FT. = 20



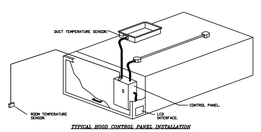






DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

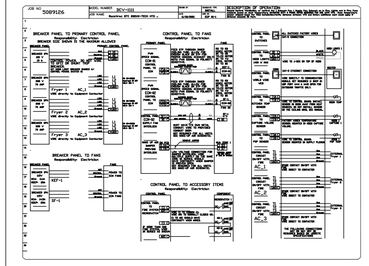
- CONTROLS SHALL BE LISTED BY ETL, UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.2.8 (2015).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND - THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 65 TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE CEASED. DURING PREP MODE, THE DIGITAL CONTROLLER SHALL ENERGIZE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
  A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
  B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
  C. LED STATUS FOR FAN, LIGHT, AND GAS VALVE OPERATION.
  D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  E. MCS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
  G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.

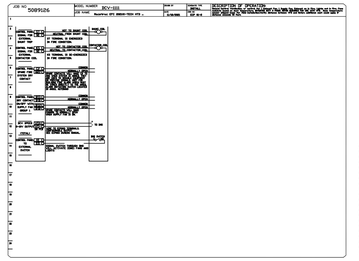


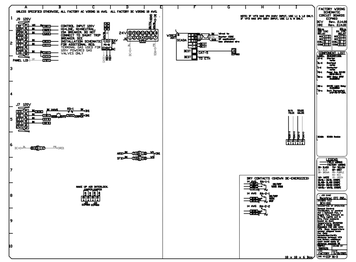
TYPICAL HOOD CONTROL PANEL INSTALLATION

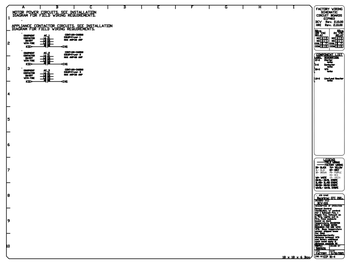
SEQUENCE OF OPERATIONS:
THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:

- AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND EXHAUST DUCT TEMPERATURE. THE DIFFERENTIAL THRESHOLD IS USER CONFIGURABLE. THE CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE WITH THE TEMPERATURE DIFFERENTIAL. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND A VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS "STATIC", FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS FOR THE REQUIREMENTS OUTLINED IN IECC 403.2.8.
- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE WEEK. THE SCHEDULE CAN BE SET TO RUN FANS AT A SET SPEED OR AT A SPEED SET BY THE DDC THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- OTHER: THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (IDC, BMS OR HARD-WIRED INTERLOCK).
- FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN. THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN FOR GAS VALVE, SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.









K-TECH
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ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE
05/16/22	REFRESH 2021-05

RaceTrac.
RACETRAC PETROLEUM, INC.
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(770) 431-7600

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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PROJECT NUMBER
63200243

SHEET TITLE

K-TECH

SHEET NUMBER

M501

FOR REFERENCE ONLY

INCORPORATED SPB - 2021_0502

DUCTWORK #1 PARTS - J0R&5089126

TAG	PART #	CFM	GPM	ZONE	COVERED?	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	82V3225_T	1300				-0.01	9.41	1655.21	1	SINGLE WALL DUCT 12" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P2	82V3145A37	1300				-0.019	5.86	1655.21	1	SINGLE WALL DUCT 45 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P3	82V3206_T	1300				-0.0029	9.35	1655.21	1	SINGLE WALL DUCT 12" DIAMETER, 6" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P4	82V3233A_DKIT	1300				-0.0002	7.33	1655.21	1	SINGLE WALL DUCT ADJUSTABLE, 12" DIAMETER, 23.5" LONG, FLANGE AT ONE END WITH A 12" ADJUSTABLE COLLAR - STAINLESS STEEL.
P5	82V3215UBRASY						0.76		1	DUCT SUPPORT BRACKET KIT, 12" DUCT, USED FOR HANGING DUCT, 12 GA STEEL, CLEAR ZINC COATING, - 2 RINGS, 4 BRACKETS, & HARDWARE BAG 0.
P6	82V3145A37	1300				-0.065	5.86	1655.21	1	SINGLE WALL DUCT 45 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P7	82V3233DSL_T	1300				-0.01	8.02	1655.21	1	SINGLE WALL DUCT 12" DIAMETER, 23.5" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P8	82V3236A_DKIT	1300				-0.008	13.04	1655.21	1	SINGLE WALL DUCT ADJUSTABLE, 12" DIAMETER, 29.5" LONG, FLANGE AT ONE END WITH A 12" ADJUSTABLE COLLAR - STAINLESS STEEL.
P9 ASSEMBLED W/P10	82V3236ASP	1300				-0.053	6.49	1655.21	1	SINGLE WALL DUCT ADAPTER, 12" DUCT DIA TO 16" DUCT DIA, ASSEMBLY.
P10 ASSEMBLED W/P9	82V3267FSKDKX	1300					8.88	930.56	1	DUCT TO CURB TRANSITION 3-1/4" DOWN TURN, 23" CURB TO 16" DUCT, 16 GA ALUMINIZED. SHIPPED WITH 16" DUCT ADAPTER. TRANSITION PLATE ID IS 23.5" DESIGNED FOR USE WITH EXHAUST FAN. NON-STANDARD PART.
SYSTEM AT P10						-0.782	0.00			
	3CM-2000PLUS						0.80		2	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
	82V3215ASY						0.54		6	DUCT "V" CLAMP WITH NEW DESIGN 14 GA BRACKETS, 12" DUCT, ASSEMBLY.
TOTAL WEIGHT							87.35			

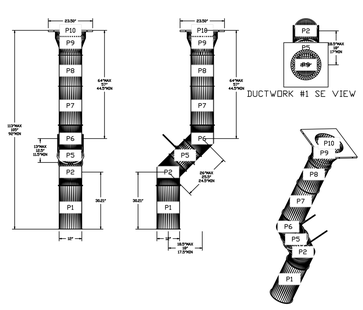
SINGLE WALL FACTORY BUILT DUCTWORK

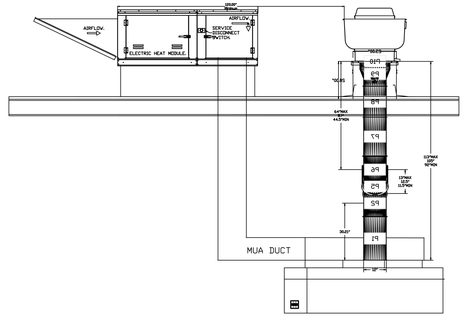
- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" 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.

DUCTWORK #1 FRONT VIEW DUCTWORK #1 SIDE VIEW DUCTWORK #1 TOP VIEW





NOTE: ANY HORIZONTAL DUCT SHALL HAVE A MINIMUM SLOPE OF 1/8 " PER FOOT.

HOOD SHALL OVERHANG COOKING SURFACE BY A MINIMUM 6" ON ALL OPEN SIDES.

NOTE: ANY OFFSET OR CHANGE IN DIRECTION WILL HAVE AN ACCESS/CLEANOUT DOOR.

NOTE: ANY DUCT WITHIN 18" OF COMBUSTIBLES SHALL BE WRAPPED WITH 2HR RATED FIRE WRAP.

EQUIPMENT BY OTHERS

REVISIONS		
DESCRIPTION	DATE	INITIALS
ADDED TO SET	12/08/21	

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110 Lawrenceville Ct., Suite 100A, Woodstock, GA, 30188 PHONE: (800) 880-8456 FAX: (770) 227-0884 EMAIL: ngo@ktechmail.com

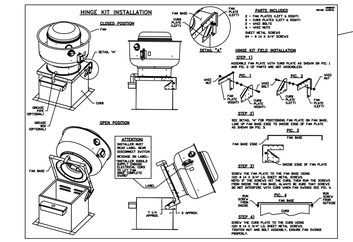
Racetrac Travel Center 2021

DATE 9/7/2021
SHEET No. 5089526
DRAWING BY WAH-50
SCALE 3/4" = 1'-0"
MASTER DRAWING

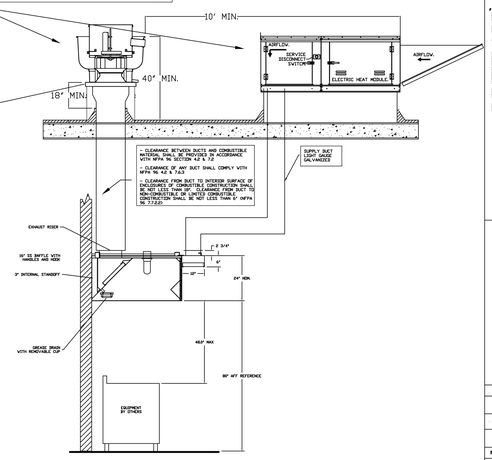
SHEET NO. 9

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 separation 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 commercial 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 DIAGRAMATIC PURPOSES ONLY.



FACTORY BUILT EXHAUST DUCT, SEE SHEET 3 FOR SPECIFICATION AND DETAILS



SECTION VIEW – MODEL 5424ND-2-PSP-F
HOOD – #1

REVISIONS		
DESCRIPTION	DATE	INITIALS
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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 , Continuous , 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.

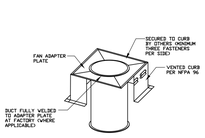
The duct wall shall be constructed of .036" thick type 430 stainless steel and be available in diameters of 8" to 24". The grease duct termination at the fan shall be fully welded to a fan adapter plate (where applicable) and the adapter plate shall be fastened to the curb using a suitably sized fastener 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

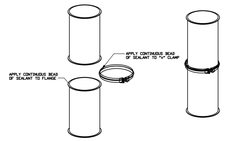
Grease duct joints shall be held together by means of formed vee clamps and sealed with *3M Fire Barrier 2000+*. Screws used to secure the vee clamps shall be of the hex-head type with flanged stops and tapered "lead in" threads for easy starting. Nuts shall be retained by means of a free-floating cage 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 D

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 structual 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 WRD3 & 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.

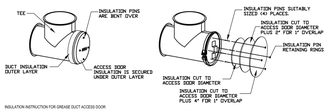
Grease duct installations require provisions for cleaning the interior of the duct. NFPA cleanout requirements are as follows:
1. A cleanout must be provided at each change of direction except where the entire length of duct can be inspected and cleaned from either the hood or the discharge end.
2. On 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 9" 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.



A FAN ADAPTER PLATE



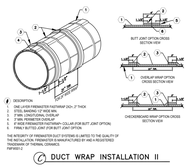
D APPLICATION OF SEALANT



INSULATION INSTRUCTION FOR GREASE DUCT ACCESS DOOR

1. (4) EQUALLY SIZED INSULATION PINS ARE WELDED TO THE ACCESS DOOR FOR INSTALLATION OF DUCT WRAP.
2. CUT EDGES OF THE INSULATION ARE SEALED USING 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. THE SECOND LAYER OF DUCT WRAP IS CUT 2" OVERLAP THE FIRST LAYER AND IMPALED OVER THE INSULATION PINS.
5. THIRD LAYER OF DUCT WRAP IS CUT 2" OVERLAP THE SECOND PIECE BY A MINIMUM OF 1" IMPALE THE THIRD LAYER OVER THE SECOND LAYER.
6. IT'S 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".

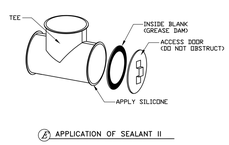
B DUCT WRAP INSTALLATION



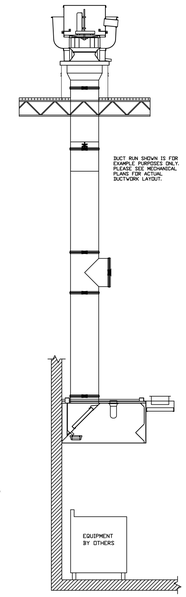
	DESCRIPTION
1	ONE LAYER FIREMASTER FASTWRAP DU-, 2" THICK
2	2" MIN. OVERLAP (TYP.)
3	2" MIN. LONGITUDINAL OVERLAP
4	3" MIN. PERIMETER OVERLAP
5	FIREMASTER FASTWRAP CIRCUMF. COLLAR FOR BUTT JOINT OPTION
6	FIRE-TACTITE JOINT STAR BUTT JOINT OPTION
7	FIRE-TACTITE JOINT STAR BUTT JOINT OPTION
8	FIRE-TACTITE JOINT STAR BUTT JOINT OPTION

THE INTEGRITY OF FIREMASTER DUCT SYSTEMS IS LIMITED TO THE QUALITY OF THE INSTALLATION. FIREMASTER IS MANUFACTURED BY HBS A REGISTERED ISO 9001:2000 QUALITY MANUFACTURER
FMP0001-2

C DUCT WRAP INSTALLATION II



E APPLICATION OF SEALANT II



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3/4" = 1'-0"
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INCORPORATED SPB - 2021_0502

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DESIGN PROFESSIONALS

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE
05/16/22	REFRESH 2021-05

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21
STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET AT ORIGINAL RELEASE. 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
63200243

SHEET TITLE
K-TECH

SHEET NUMBER
M502

FOR REFERENCE ONLY

PLUMBING NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH 2018 IPC WITH 2020 GEORGIA AMENDMENTS, 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 DETECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DETECTS 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 CONTROL 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.

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
HD	HUB DRAIN
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	HOT WATER PIPING
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

CONTRACTOR PROVIDED PLUMBING FIXTURE SCHEDULE

FCV	FLOW CONTROL VALVE: FLOWDESIGN # ICSS "AUTOFLOW", SERIES 300 STAINLESS UNION BODY WITH NICKEL PLATED UNION NUT, STAINLESS STEEL PRESSURE COMPENSATING CARTRIDGE, MEETING NSF 61 ANNEX G, NAMEPLATE AND 1/2" VALVE BODY SIZE UNLESS SHOWN OTHERWISE ON PLANS. PROVIDE 0.5 GPM FLOW RATE CARTRIDGE UNLESS SHOWN OTHERWISE ON PLANS.
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 HALF GRATE FLOOR SINK WITH DOME STRAINER, JOSAM MODEL #49360A-NB-3
FS-2	12"X12"10" DEEP SQUARE HALF 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. 120V AC REQUIRED
HYD	WALL HYDRANT TO BE ZURN MODEL #Z1320-C WITH BOX, 6" WALL THICKNESS, 3/4" STRAIGHT INLET CONNECTION, ANTI-SIPHON, FREEZELESS
HYD-R	NON-FREEZE ROOF HYDRANT JAY R SMITH MODEL 5906-H, 3/4" INLET CONNECTION, 1/8" DRAIN HOLE
HWRP-1	BELL AND GOSSETT RECIRC. PUMP. MODEL NBF-22U, 115V, 100 WATT, WITH AQUASTAT.
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 WITH 2020 GEORGIA AMENDMENTS.
(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.

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	5.0	8	26	0.50 GPM AERATOR
HAND SINK	5.0	2	7	0.50 GPM AERATOR
3-COMP SINK	59.0	1	59	2.20 GPM AERATOR
1-COMP SINK	13.0	1	13	2.20 GPM AERATOR
			105	

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 WITH GEORGIA AMENDMMENTS.	

JARROD M. EASTERWOOD

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205000427
GA. CORPORATE NO. PEF002734
EXPIRES 6/30/2022

PROJECT MANAGER: AH
CHECKED BY: AI
DRAWN BY: JB

ISSUE/REVISION RECORD

DATE	DESCRIPTION
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11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

05/12/2022

PROJECT NUMBER 63200243

SHEET TITLE
PLUMBING NOTES AND LEGENDS

SHEET NUMBER
P001

PLUMBING EQUIPMENT SCHEDULE

ITEM NO.	RISER TAG	QTY.	DESCRIPTION	FURN. BY	INST. BY	MANUFACTURER	MODEL	PLUMBING DATA									REMARKS
								CW	HW (110°)	HW (140°)	FW	FWPH	W	IW	FD	FS	
2000 SERIES – BUILDING PLUMBING																	
2002	LAV	5	VANITY SINKS	RT	GC	KOHLER	K-2611	1/2"	1/2"	-	-	-	2"	-	-	-	FAUCET: ZURN Z6930-XL-F-CWB-TMV-1
2003	HLAV	2 2	LAVATORY FOR ACCESSIBLE STALLS (HARD WIRED FAUCET)	RT	GC	ZURN	Z5341	1/2"	1/2"	-	-	-	2"	-	-	-	FAUCET: ZURN Z6930-XL-F-CWB-TMV-1
2004	UR	6	URINAL	RT	GC	ZURN	Z5755-U	3/4"	-	-	-	-	2"	-	-	-	FLUSH VALVE: ZURN ZEMS6003AV-ULF-VP
2005	MS	1	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 TRIPPLE: EV9437-31	3/4"	-	-	3/4"	3/4"	-	-	-	-	XC PLUS SYSTEM - SURGE TANK: EV9336-51
2014	HR	3 2	HOSE REEL	RT	GC	REELCRAFT	5635 OLPSW51LW2	3/4"	-	-	-	-	-	-	-	-	-
2019	WC	8	WATER CLOSET	RT	GC	ZURN	Z5665-BWL WITH TOP SPUD AND Z5955SS-EL	1"	-	-	-	-	3"	-	-	-	ZURN ZEMS6000AV-WS1-IS 1X111/2 - AQUASENSE EXPOSED HARDWIRED 1.6GP - WTR CLOSET FLUSH VLV L/ ELEC BOX 2
2020	WF	2	BEAN TO CUP WATER FILTER	RT	GC	3M	HF40-S	3/4"	-	-	-	-	-	-	-	-	CUNO MODEL #6213003 FILTER PROVIDED BY RT
2022	PS	1	ONE COMPARTMENT SINK WITH DRAIN BOARD	RT	GC	SPG	1N18-RD24	3/4"	-	3/4"	-	-	-	2"	-	3"	T&S BRASS B231 FAUCET. SEE A140 SHEET TO SELECT PROPER LEFT/RIGHT HAND DRAINBOARD.
2023	SK3	1	THREE COMPARTMENT SINK	RT	GC	SPG	SKS-002789-01	3/4"	-	3/4"	-	-	-	2"	-	4"	T&S BRASS B231 FAUCET AND T&S BRASS B-0133-B SPRAYER
2024	HS	3	HAND SINK	RT	GC	SPG	EHS-1RL	1/2"	1/2"	-	-	-	2"	-	-	-	-
2026	LAV	1	DEEP VANITY SINK	RT	GC	KOHLER	K-6661	1/2"	1/2"	-	-	-	2"	-	-	-	FAUCET: ZURN Z6930-XL-F-CWB-TMV-1, DRAIN; K8807
3000 SERIES – ELECTRICAL EQUIPMENT WITH PLUMBING																	
3004	-	3	10 HEAD SODA FOUNTAIN	RT	VENDOR	CORNELIUS	ENDURO 200	-	-	-	3/8"	-	-	3/4"	-	2"	-
3005		3	POST MIX SODA SYSTEM	RT	VENDOR	CORNELIUS	UCC-40	-	-	-	3/8"	-	-	-	-	-	-
3007		2	GRANITA MACHINE	RT	VENDOR	BUNN	ULTRA II CFV	-	-	-	1/4"	-	-	-	-	2"	-
3008	-	1	CAPPUCCINO DISPENCER - 5 HEAD	RT	GC	BUNN	IMIX-5	-	-	-	-	1/4"	-	-	-	-	-
3011		2	COMBI OVEN STEAMER	RT	GC	CLEVELAND	MINI OES 6.10	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 (18 KW, 50 GAL - SHORT)	RT	GC	RHEEM	ES50-18-G	-	-	-	-	-	-	-	-	-	PROVIDE AMTROL ST-5 2 GALLON EXPANSION TANK
3014	-	2	FCB VIPER (FROZEN CARBONATED BEVERAGE)	RT	VENDOR	FBD	774	-	-	-	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	-	-	-	3/8"	-	-	-	-	-	-
3022	-	2	Schaerer Coffee Art C TOUCH Utility	RT	GC	Schaerer	040381-00090E US										-
3033		2	TEA BREWER	RT	VENDOR	BUNN	52000.0301	-	-	-	-	1/2"	-	-	-	2"	-
4000 SERIES – REFRIGERATION																	
4013	-	2	ICE MAKER (CRUSHED/NUGGET)	RT	VENDOR	ICE-O-MATIC	GEM0956R	-	-	-	-	3/8"	-	3/4"	-	2"	-
4025	-	4 2	FROZEN YOGURT DISPENSER	RT	GC	STOELTING	F231-AD1	-	-	-	-	-	-	2" N.P.T.	-	3'	FLEXIBLE PIPING AND MANIFOLD BY VENDOR
4033		1	TWO DOOR REFRIGERATOR	RT	GC	TURBO AIR	M3R47-2	-	-	-	-	-	-	-	-	-	-
4043		1	TWO DOOR REACH-IN FREEZER	RT	GC	TURBO AIR	M3F47-2	-	-	-	-	-	-	-	-	-	-
4065		1	BULLET IMPULSE COOLER (4 FT.)	RT	GC	HILLPHOENIX	HVI-304R-59	-	-	-	-	-	-	-	-	-	-
4114	-	1	WALK IN COOLER CONDENSER	RT	GC	BOHN	BZT015M6C										-
4131	-	1	YOGURT MACHINES CHILLER - PAK	RT	GC	AIRDYNE	C20AR404A	-	-	-	-	-	-	-	-	-	-
4138		1	1 DOOR, 177 GAL, THAWING CABINET	RT	GC	ELECTROLUX	670It	-	-	-	-	-	-	-	-	-	-
4150	-	4 2	REACH IN COOLER EVAPORATOR	RT	GC	BOHN	BEC0175AS7A MAB0200	-	-	-	-	-		-	-	-	-
4152	-	1	WALK IN COOLER EVAPORATOR	RT	GC	BOHN	BEC013AS7AM AB0200	-	-	-	-	-		-	-	-	-
4154	-	1	FREEZER EVAPORATOR	RT	GC	BOHN	BEC0135BS6E MAB0200	-	-	-	-	-	-	-	-	-	-
4173	-	1	UNDERCOUNTER FREEZER	RT	GC	Turbo Air	MUF-36-N										
4181	-	1	ICE MAKER (CUBER)	RT	VENDOR	ICE-O-MATIC	CIM0836R	-	-	-	-	3/8"	-	3/4"	-	2"	-
4182	-	1	ICE MAKER REMOTE CONDENSER (CUBER)	RT	VENDOR	ICE-O-MATIC	RCA-2061	-	-	-	-	-	-	-	-	-	SERVES 4181 UNITS
4183	-	2	ICE MAKER REMOTE CONDENSER (CRUSHED NUGGET)	RT	VENDOR	ICE-O-MATIC	RGA-1061-HM	-	-	-	-	-	-	-	-	-	SERVES 4013 UNITS

1 ALL PLUMBING FIXTURES SHALL COMPLY WITH 2018 IPC WITH 2020 GEORGIA AMENDMENTS

INCORPORATED SPB - 2021_0502; 2021 _0504; 2021_0506

JARROD M. EASTERWOOD

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GA. CORPORATE NO. PEF002734
EXPIRES 6/30/2022

PROJECT MANAGER: AH
CHECKED BY: AI
DRAWN BY: JB

ISSUE/REVISION RECORD

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05/16/22	REFRESH 2021-05

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

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PROFESSIONAL SEAL

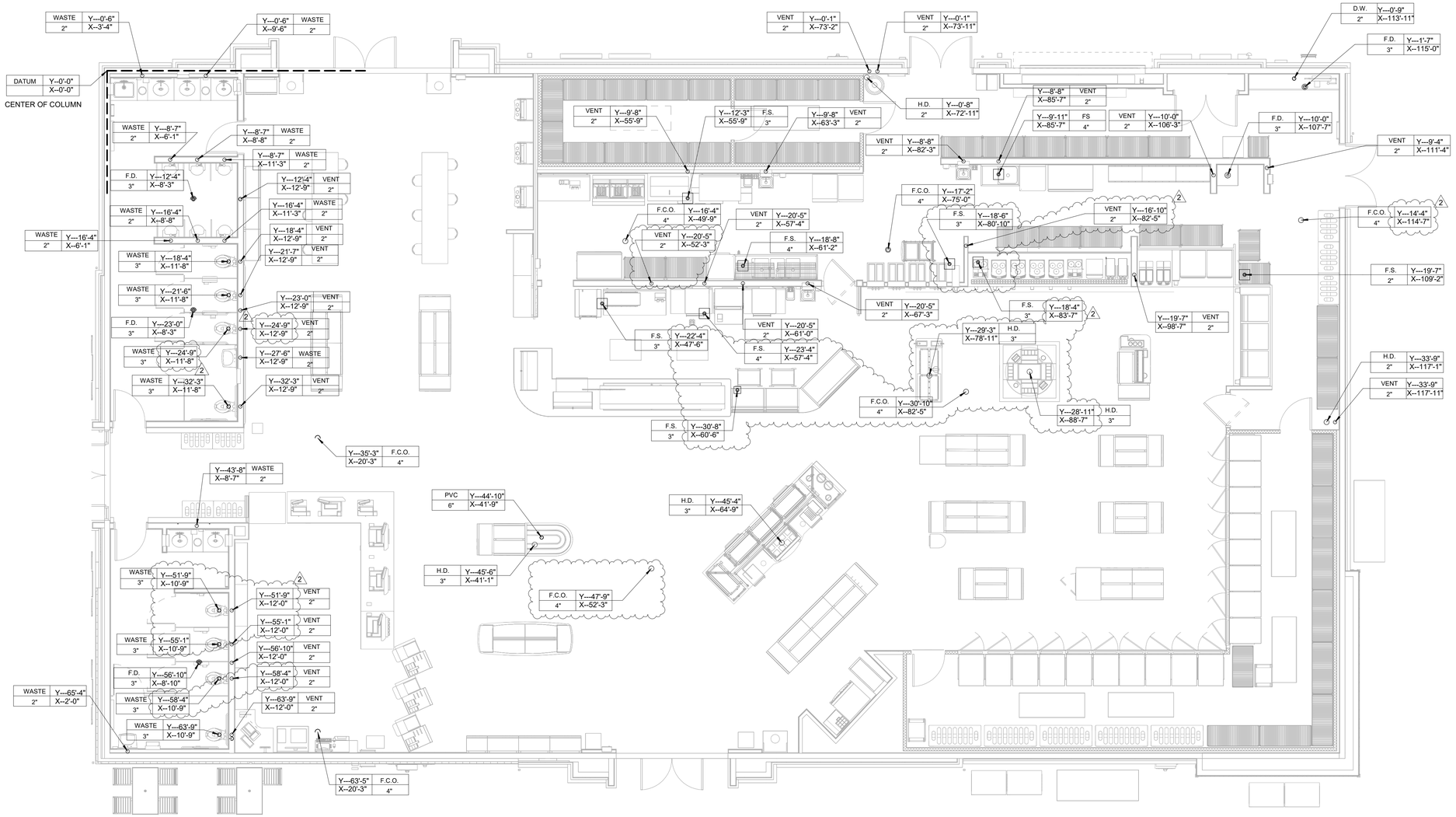
GEORGIA REGISTERED No. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
PLUMBING EQUIPMENT SCHEDULE

SHEET NUMBER
P002



1 PLUMBING ROUGH-IN
3/16" = 1'-0"

LEGEND

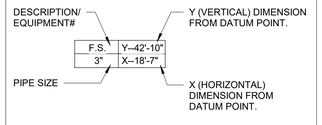
C.W. - COLD WATER
D.W. - DOMESTIC WATER SERVICE
F.C.O. - FLOOR CLEAN OUT
F.D. - FLOOR DRAIN
F.S. - FLOOR SINK
H.D.- HUB DRAIN
H.S. - HAND SINK
M.S. - MOP SINK

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



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.

INCORPORATED SPB - 2021_0502; 2021 _0504

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EXPIRES 6/30/2022

PROJECT MANAGER:
AH

CHECKED BY:
AI

DRAWN BY:
JB

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GEORGIA REGISTERED No. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

05/12/2022

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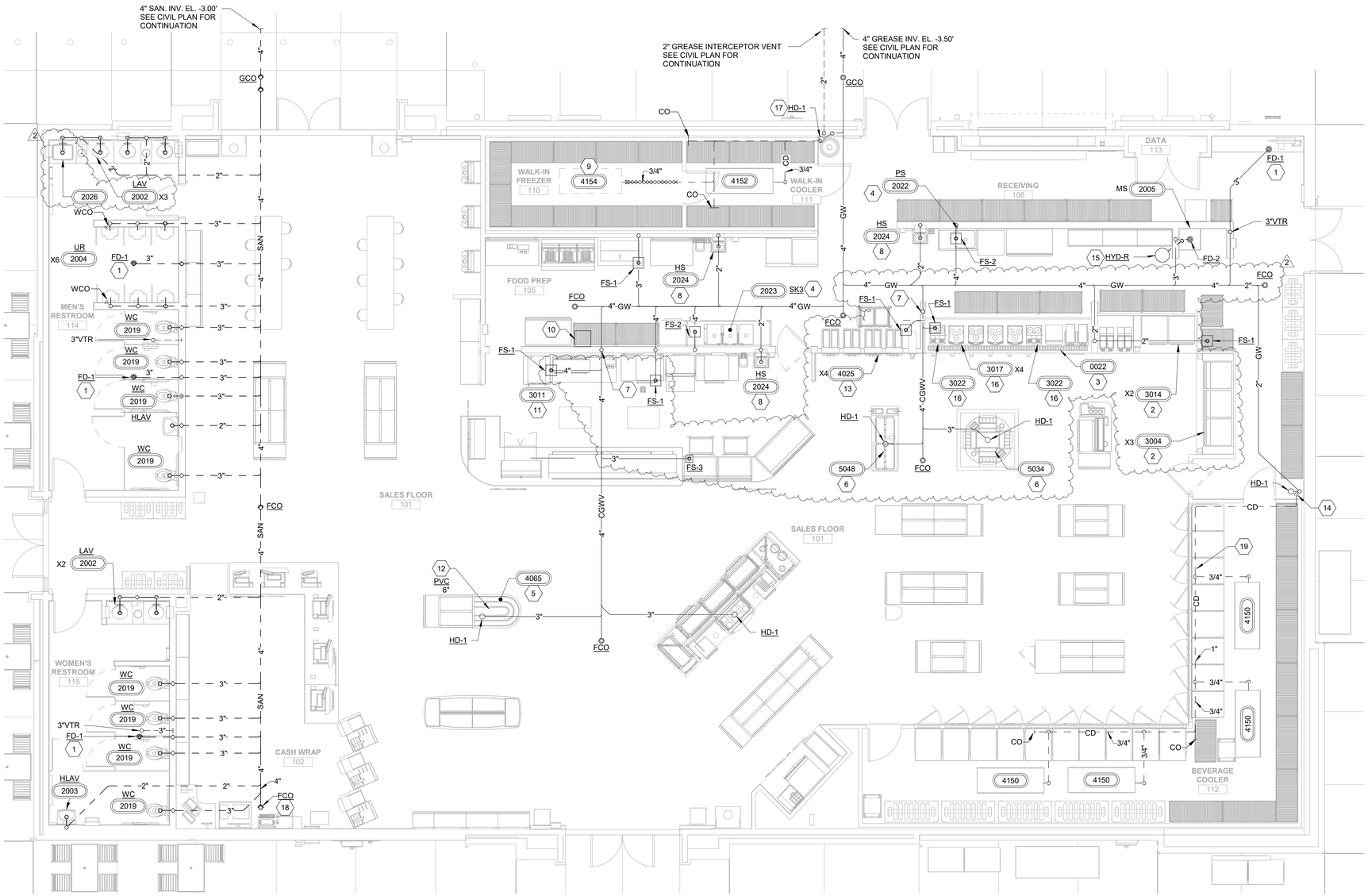
SHEET TITLE

PLUMBING ROUGH-IN PLAN

SHEET NUMBER

P100

JARROD M. EASTERWOOD



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	PROVIDE TRAP PRIMER, RUN 1/2" SOFT "K" COPPER TUBING BELOW FLOOR TO PRIMER FITTING AT FLOOR DRAIN TRAP FOR FLOOR DRAINS. SEE DETAIL 1/P431 AND 2/P431.
2	INDIRECT DRAIN LINES FROM DRAIN PANS TO BE CPVC & ROUTED TO FLOOR SINK WITH AIR GAP. SEE DETAIL 3/P431.
3	INDIRECT DRAIN LINES FROM COFFEE COUNTER DRAIN PANS TO BE CPVC & ROUTED TO FLOOR SINK WITH AIR GAP.
4	COPPER INDIRECT DRAIN FROM MANIFOLD FROM 3-COMP AND 1-COMP SINK TO FLOOR SINK WITH AIR GAP.
5	INDIRECT DRAIN FROM SANDWICH COOLER AND IMPULSE COOLER TO HUB DRAIN WITH AIR GAP.
6	INDIRECT DRAIN LINES FROM EQUIPMENT ROUTED TO HUB DRAIN/FLOOR SINK WITH AIR GAP.
7	DRY VENT TO CONNECT TO TOP OF COMBINATION DRAIN AND VENT PIPE. ROUTE AT A MAXIMUM OF 45° FROM VERTICAL, TYPICAL.
8	DIRECT DRAIN FROM HAND SINK TO WASTE LINE AS SHOWN.
9	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. HEAT TRACE TO BE NVENT 5XL1-CR, 0.075A/FT (OR APPROVED EQUAL). PROVIDE WITH NVENT AMC-1A THERMOSTAT WITH THERMOSTAT SENSING BULB MOUNTED UNDER THE PIPE INSULATION. COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE GROUND FAULT CIRCUIT BREAKER.
10	REFRIGERATION PIPING PIT. SEE STRUCTURAL DETAIL ON SHEET S430 AND ARCHITECTURAL DETAILS ON SHEET A431 FOR PIT REQUIREMENTS.
11	DRAIN PIPING FROM THE COMBI OVEN/STEAMER TO BE PROVIDED BY P.C. SEE DETAIL 7/P431.
12	6" PVC CONDUIT BELOW SLAB FOR REFRIGERATION PIPING.
13	1/2" INDIRECT DRAIN FROM YOGURT MACHINES TO FLOOR SINK WITH AIR GAP.
14	1 1/4" COOLER CONDENSATE DOWN ALONG COOLER WALL TO HUB DRAIN WITH REQUIRED AIR GAP.
15	ROUTE 1/2" INDIRECT DRAIN FROM NON-FREEZE ROOF HYDRANT TO MOP SINK WITH REQUIRED AIR GAP.
16	INDIRECT DRAIN LINES FROM BEAN TO CUP COFFEE MACHINE TO BE CPVC & ROUTED TO FLOOR SINK WITH AIR GAP.
17	3/4" COOLER CONDENSATE DOWN ALONG WALL TO HUB DRAIN WITH AIR GAP.
18	RAISE FCO TO BE FLUSH WITH RAISED CASH WRAP PLATFORM. SEE ARCH SHEETS.
19	ROUTE COOLER CONDENSATE AS HIGH AS POSSIBLE ABOVE DOORS ALONG COOLER WALL. CONDENSATE DRAIN SHALL HAVE 1/4" SLOPE PER FOOT. COORDINATE WITH ALL OTHER TRADES TO AVOID CONFLICTS PRIOR TO INSTALLATION.

INCORPORATED SPB - 2021_0502; 2021_0504; 2021_0506

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PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
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PROTOTYPE SERIES
2021 LH MO 0507

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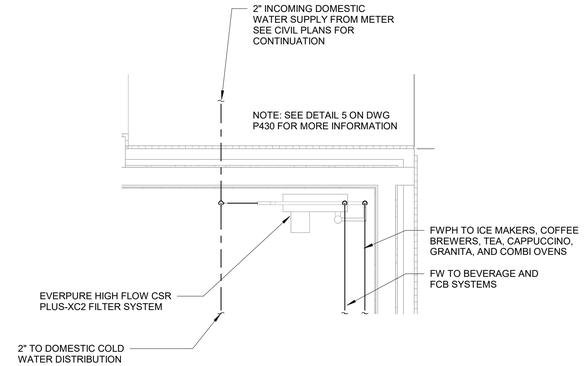
05/12/2022

PROJECT NUMBER 63200243

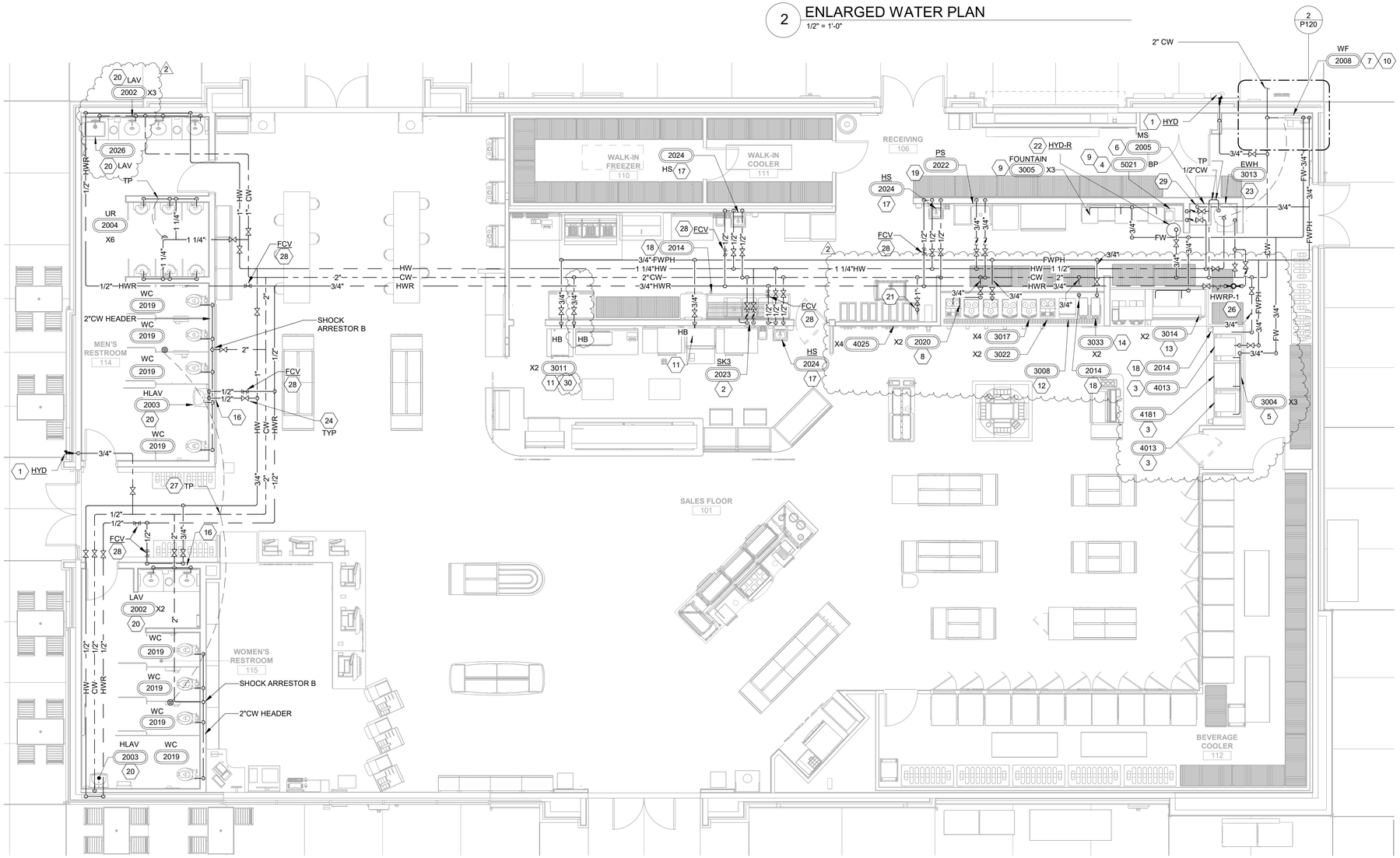
SHEET TITLE
SANITARY PLAN

SHEET NUMBER
P110

JARROD M. EASTERWOOD



2 ENLARGED WATER PLAN
1/2" = 1'-0"



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. SEE 3/P430.
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 DOWN IN WALL 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 APPROVED BACKFLOW PREVENTER AND BALL VALVE. MAXIMUM OF 3 BEAN TO CUP COFFEE MACHINES PER FILTER.
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" 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.
13	3/4" FILTERED CW TO FCB AT 48" AFF. PIPING ROUTED OVERHEAD AND TERMINATE WITH BALL VALVE. GC TO TAG VALVE. CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE WITH BACKFLOW PREVENTER BFP-1.
14	3/4" FILTERED/PHOSPHATE CW TO TEA BREWER AT 48" AFF. 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.
16	CW AND HW DOWN IN WALL TO PLUMBING FIXTURES.
17	PROVIDE 1/2" CW AND HW DOWN IN WALL TO HAND SINK AND MIXING VALVE MV-1.
18	PROVIDE 3/4" CW DOWN TO HOSE REEL.
19	PROVIDE 3/4" CW AND HW DOWN IN WALL TO 1-COMPARTMENT SINK FAUCET.
20	PROVIDE CW AND HW IN WALL TO LAV SINK FAUCET FURNISHED WITH MIXING VALVE. HOT WATER CONNECTION TO LAVATORY SHALL BE A MAX. 2'-0" FROM HOT WATER MAIN.
21	NEW 1" CW TO GLYCOL CHILLER MANIFOLD SYSTEM.
22	ROUTE 3/4" CW UP TO ROOF AND CONNECT TO NON-FREEZE ROOF HYDRANT. SEE 6/P430.
23	CW AND HW DOWN TO WATER HEATER. SEE DETAILS 1/P430, 2/P430, & 4/P430.
24	LOCATE ISOLATION VALVES APPROXIMATELY 11'-8" AFF AS SHOWN ON DRAWINGS TO ALLOW ACCESS AND SERVICE.
26	CONTRACTOR SHALL PROVIDE CONTROLS TO ACTIVATE PUMP WHEN HOT WATER RETURN LINE REACHES 100°F AND SHUT-OFF 120°F.
27	LOCATE (1) ONE TRAP PRIMER WITH 1/2"CW AND SHUTOFF VALVE ABOVE CEILING BETWEEN RESTROOMS. PROVIDE 1/2"CW FROM TRAP PRIMER TO FLOOR DRAINS IN RESTROOMS. COORDINATE WITH ELECTRICAL.
28	LOCATE 0.33 GPM AUTOMATIC FLOW CONTROL VALVE APPROXIMATELY 11'-8" AFF AS SHOWN ON PLANS TO ALLOW ACCESS AND SERVICE. SEE 8/P431.
29	3/4" FILTERED/PHOSPHATE FED WATER TO SURGE TANK
30	3/4" CW/FW LINE FED TO HOSE BIBB AT 12" AFF AND 48" AFF FOR COMBI-OVEN STEAMERS. PROVIDE WITH BACKFLOW PREVENTER BFP-1.

INCORPORATED SPB - 2021_0502; 2021_0504; 2021_0506

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GA. CORPORATE NO: PEF002734
EXPIRES 6/30/2022

PROJECT MANAGER: AH
CHECKED BY: AI
DRAWN BY: JB

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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RACETRAC, INC.
200 GALLERIA PARKWAY SOUTHEAST
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(770) 431-7600

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21
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. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

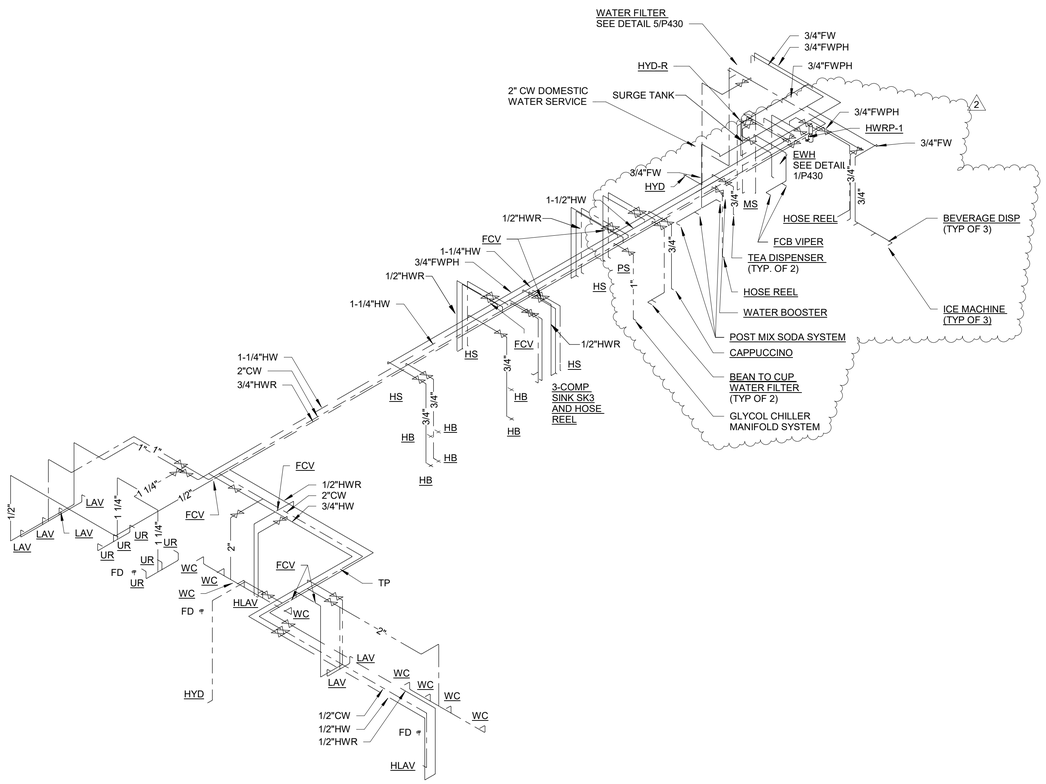
05/12/2022

PROJECT NUMBER 63200243

SHEET TITLE
DOMESTIC WATER PLAN

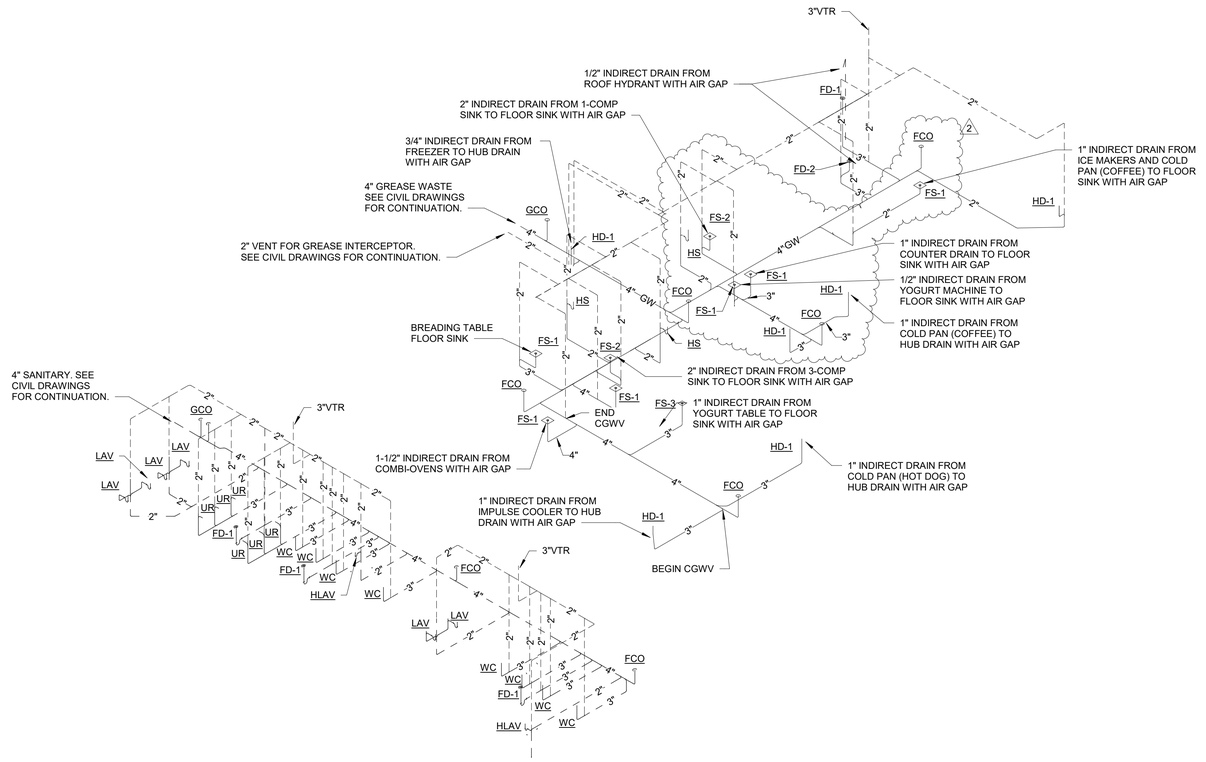
SHEET NUMBER
P120

JARROD M. EASTERWOOD



2 PLUMBING WATER RISER

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.



1 PLUMBING DWV RISER

INCORPORATED SPB - 2021_0502; 2021_0504

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EXPIRES 6/30/2022

PROJECT MANAGER:
AH

CHECKED BY:
AI

DRAWN BY:
JB

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PROJECT NAME

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GA, 30294
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RACETRAC STORE NUMBER

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2021 LH MO 0507

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PROFESSIONAL SEAL



05/12/2022

PROJECT NUMBER
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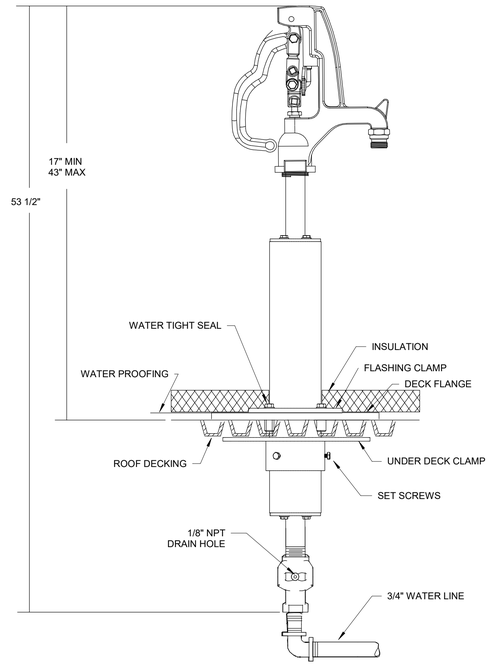
SHEET TITLE

PLUMBING ISOMETRICS

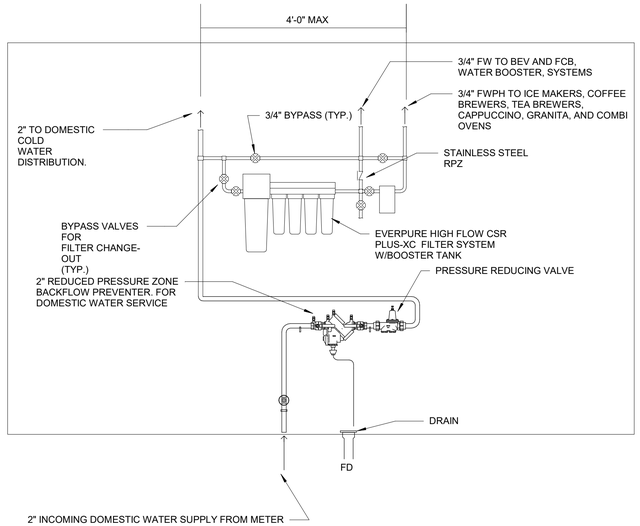
SHEET NUMBER

P410

JARROD M. EASTERWOOD

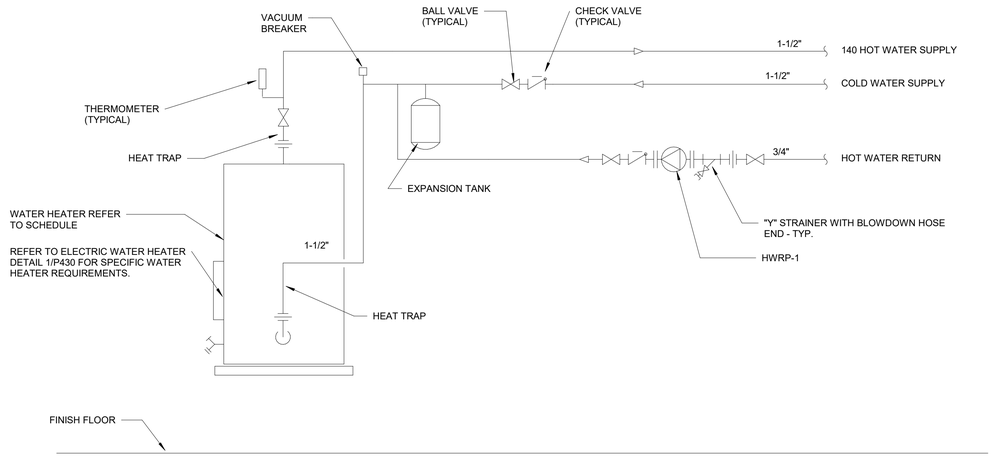


6 NON-FREEZE ROOF HYDRANT
N.T.S.

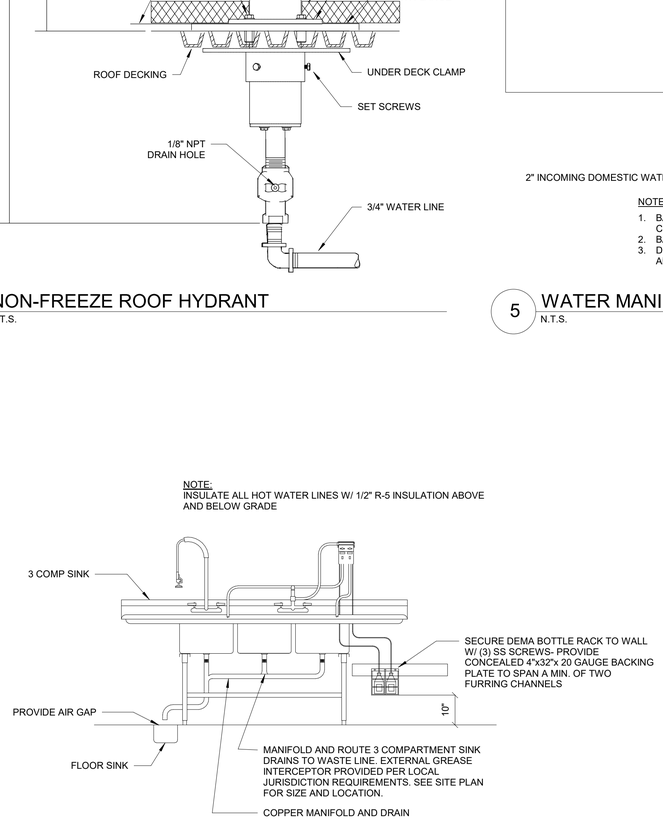


NOTE:
1. BACKFLOW PREVENTER ARE NOT REQUIRED TO BE INSIDE THE BUILDING WHEN LOCAL CODE REQUIRES LOCATION TO BE AT THE WATER METERS.
2. BACKFLOW PREVENTER SHALL NOT BE LOCATED MORE THAN 48" ABOVE FINISHED FLOOR.
3. DETAIL IS SCHEMATIC IN NATURE. PIPE SYSTEM PER MANUFACTURER'S REQUIREMENTS, AND WITHIN SPACE CONSTRAINTS FOUND IN THE FIELD.

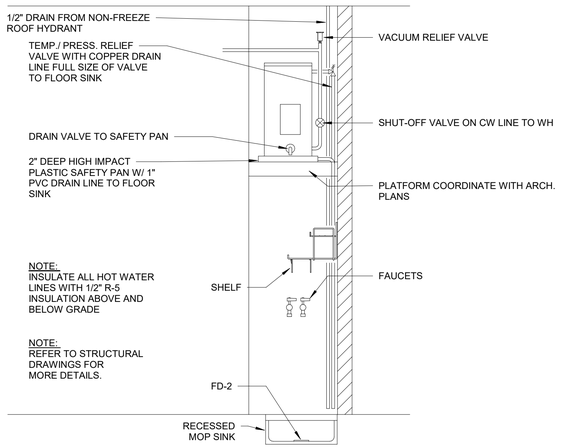
5 WATER MANIFOLD/FILTER DETAIL
N.T.S.



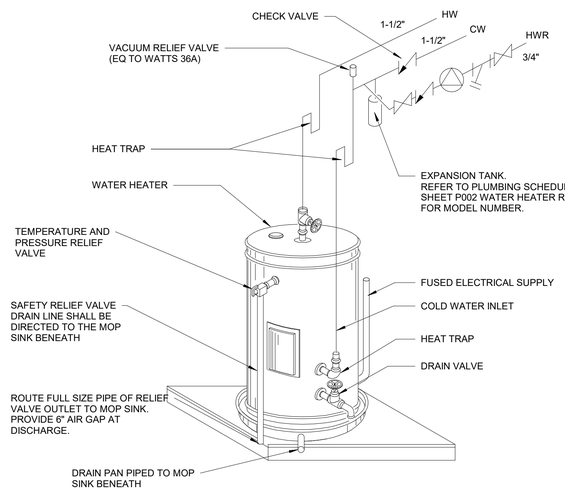
4 WATER HEATER MANIFOLD SCHEMATIC
N.T.S.



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.

INCORPORATED SPB - 2021_0506

JARROD M. EASTERWOOD

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PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

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PROFESSIONAL SEAL



05/12/2022

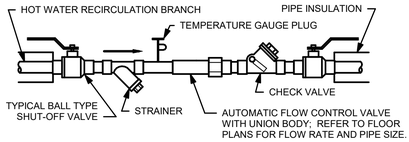
PROJECT NUMBER
63200243

SHEET TITLE

PLUMBING DETAILS

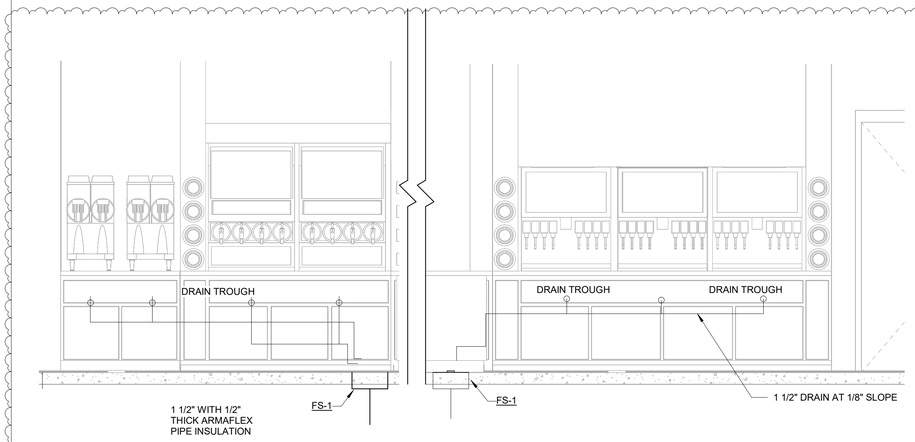
SHEET NUMBER

P430



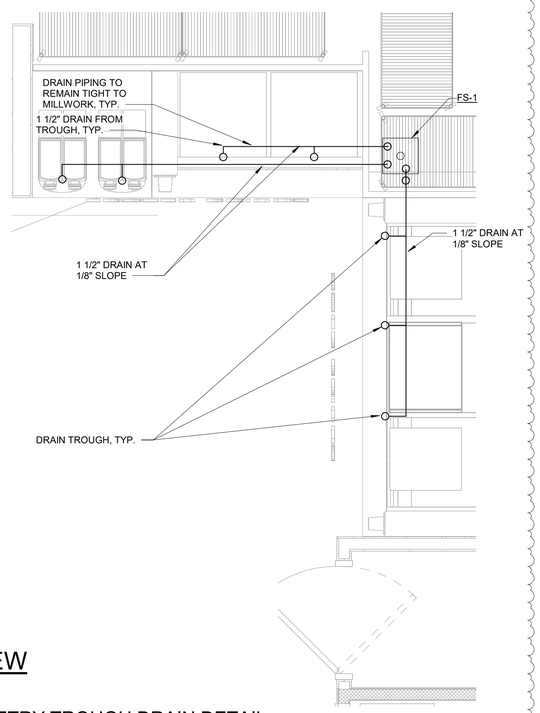
REFER TO SPECIFICATIONS, SCHEDULES, AND NOTES FOR MORE INFORMATION. MAKE CONNECTIONS AND PROVIDE INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS. ARRANGEMENT SHOWN IS SCHEMATIC; PROVIDE REDUCERS AND ADAPTERS AS REQUIRED.

8 AUTOMATIC FLOW CONTROL VALVE TRAIN
N.T.S.



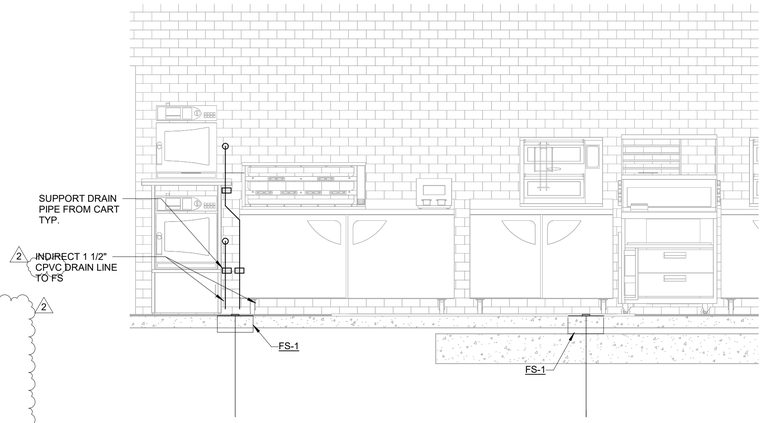
ELEVATION

SIDE ELEVATION



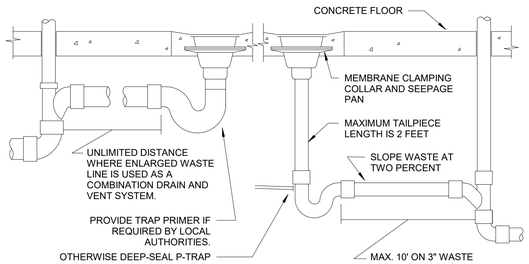
PLAN VIEW

3 CABINETRY TROUGH DRAIN DETAIL
N.T.S



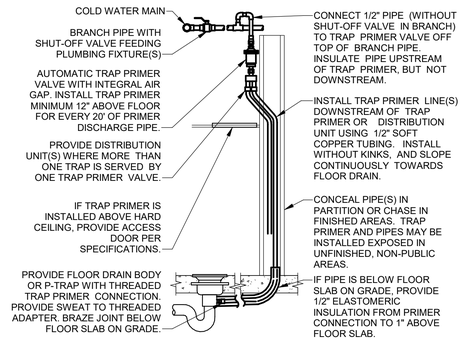
7 OVEN-STEAMER DRAIN DETAIL
N.T.S.

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.



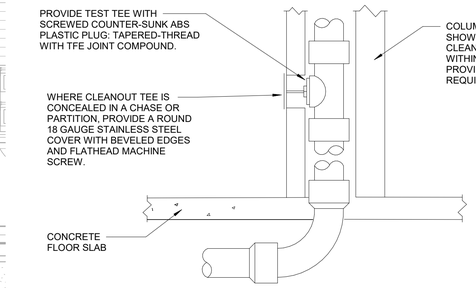
LOCATE FLOOR DRAINS WHERE SHOWN ON DIMENSIONED ARCHITECTURAL PLAN. IF FLOOR STRUCTURE INTERFERES WITH FLOOR DRAIN, MOVE SIDEWAYS IF POSSIBLE, OTHERWISE MOVE BACK. ALWAYS LOCATE WHERE EASILY ACCESSIBLE, BUT NOT IN FOOT TRAFFIC. IF SITUATION IS FLOOR SLAB ON GRADE, PROVIDE BACKFILL PER SPECIFICATIONS. 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.



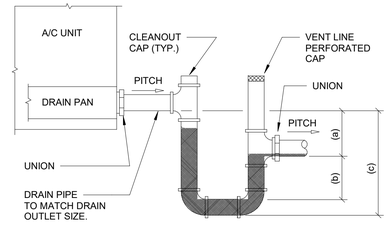
PROVIDE TRAP PRIMERS WHERE SHOWN ON FLOOR PLANS, AND WHERE REQUIRED BY LOCAL AUTHORITIES. PIPING ARRANGEMENT SHOWN IS SCHEMATIC; ADJUST TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS AND PLUMBING FIXTURE SCHEDULE FOR MORE INFORMATION. INSTALL TRAP PRIMER VALVE AND DISTRIBUTION UNIT PER MANUFACTURER'S RECOMMENDATIONS.

2 TRAP PRIMER OVERHEAD
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.



THIS STANDARD DETAIL MUST BE REVIEWED AND SITE ADAPTED BY CONTRACTOR PRIOR TO USE FOR FINAL EQUIPMENT.

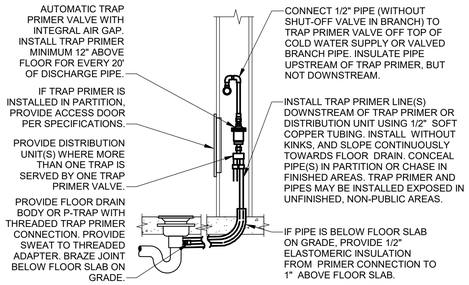
NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP
2. PITCH DRAIN FOR PROPER RUNOFF.
3. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL.
4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.

(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.



PROVIDE TRAP PRIMERS WHERE SHOWN ON FLOOR PLANS, AND WHERE REQUIRED BY LOCAL AUTHORITIES. PIPING ARRANGEMENT SHOWN IS SCHEMATIC; ADJUST TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS AND PLUMBING FIXTURE SCHEDULE FOR MORE INFORMATION. INSTALL TRAP PRIMER VALVE AND DISTRIBUTION UNIT PER MANUFACTURER'S RECOMMENDATIONS.

1 TRAP PRIMER IN/ON WALL
N.T.S.

INCORPORATED SPB - 2021_0502; 2021 _0504

JARROD M. EASTERWOOD

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE045751 PROFESSIONAL ENGINEER JARROD M. EASTERWOOD

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
PLUMBING DETAILS

SHEET NUMBER
P431

LIGHTING FIXTURE SCHEDULE

TYPE	LAMP	VOLTAGE	VA PER FIXTURE	FIXTURE DESCRIPTION	CATALOG NUMBER	MFR.	REMARKS
002	LED	120 V	34 VA	LOW TEMP LED STRIP LIGHT	CSVT-L48-4000LM-MVOLT-40K-80CRI	LITHONIA	
101	LED	120 V	38 VA	6" LED RECESSED DOWNLIGHT (HIGH OUTPUT)	LBR6-AL03-SWW1-AR-TRW-LSS-MWD-MVOLT-UGZ	LITHONIA	
101BL	LED	120 V	38 VA	6" LED RECESSED DOWNLIGHT (HIGH OUTPUT)	LBR6-AL03-SWW1-AR-TRBL-LSS-MWD-MVOLT-UGZ-LBR6PFW	LITHONIA	
101EM	LED	120 V	38 VA	6" LED RECESSED DOWNLIGHT (HIGH OUTPUT)	LBR6-AL03-SWW1-AR-TRW-LSS-MWD-MVOLT-UGZ-E10WCRP	LITHONIA	2
203	LED	120 V	60 VA	OMEGA 12	1JC-OMEGA12AM-SN-L	BESA	3
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	SECURITY WALL WASHER	ARC2-LED-P5-40K-MVOLT-DDBXD	LITHONIA	
502EM	LED	120 V	30 VA	SECURITY WALL WASHER (EMERGENCY)	ARC2-LED-P4-40K-MVOLT-E8WC-DDBXD	LITHONIA	2, 3
507	LED	120 V	27 VA	DECORATIVE POLE LIGHT	RADPT LED-P3-40K-SYM-MVOLT-RADPT20-FAO-DDBXD	LITHONIA	1
510	N/A	120 V	250 VA	PATIO FAN - WALL MOUNT	99539	AIR KING	
511	LED	120 V	16 VA	BANNER SIGN LIGHT	303-S1-LEDB2-4000-UNV-T2-DIM10-BZ-12	EATON	3
600	LED	120 V	4 VA	SINGLE FACE LED EDGE LIT EXIT SIGN W/BATTERY BACK-UP	S900U-WB-SR-R-AG	EXITRONIX	2
602	LED	120 V	4 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-Z-HTR	HUBBELL	2
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	4
803	N/A	120 V	0 VA	LOW TEMP MOTION SENSOR	11901A00005	KASON	2, 4

LIGHT FIXTURE SCHEDULE NOTES:

1. REFER TO ARCHITECTURAL ELEVATION DRAWINGS. VERIFY POLE HEIGHT.
2. PROVIDE 90-MINUTE BATTERY BACK-UP WITH FIXTURE.
3. REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR MOUNTING HEIGHT.
4. PROGRAM FOR 15 MINUTE TIME DELAY.

LIGHTING MANAGER CONTACTOR SCHEDULE

MODEL #LM-60-5CB	CONTROL CHANNEL	PANEL	CKT #	LIGHTING CONTROLLED	LIGHT LEVEL SETTING
CONTACTOR #1	1	B	20	PRICE SIGN	--
	1			SPACE	--
	1	B	18	FRONT ENTRY SIGN	--
	1	B	23	REAR ENTRY SIGN	--
CONTACTOR #2	1	B	5	TRAVEL CENTER SIGN A	--
	1	B	7	TRAVEL CENTER SIGN B	--
	1	B	30	FUEL CANOPY STRIPE	--
	1	B	32	TRAVEL CENTER STRIPE	--
CONTACTOR #3	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
	2	B	9,11	AREA LIGHTS EAST	--
	2	B	10,12	AREA LIGHTS SOUTH/WEST	--
CONTACTOR #4	2	B	16	PATIO/ENTRY LIGHTING	--
	2	B	25	PATIO ENTRY SIGN	--
	2	B	14	FRONT ENTRY TOWER LTG	--
	2	B	28	TOWER BANNER LTG	--
CONTACTOR #5	2	B	13,15	AREA LIGHTS NORTH	--
	2	B	8	DECORATIVE POLES	--
				SPACE	--
	UNUSABLE SPACE - (REQUIRED FOR 2-POLE BREAKER)				
CONTACTOR #6	3	B	2	FUEL CANOPY LIGHTS	--
	3	B	4	FUEL CANOPY LIGHTS	--
	3	B	1	TC FUEL CANOPY LIGHTS	--
	3	B	3	TC FUEL CANOPY LIGHTS	--
CONTACTOR #7	4	B	26	SEATING AREA CAN LIGHTS	--
	4	B	17	EXT BUILDING LIGHTS	--
	4			SPACE	--
	4			SPACE	--
CONTACTOR #8	5	B	27	SITE DIRECTIONAL SIGNS - NORTH	--
	5	B	29	SITE DIRECTIONAL SIGNS - SOUTH	--
	5			SPACE	--
	5			SPACE	--
CONTACTOR #9				SPACE	--
				SPACE	--
				SPACE	--
				SPACE	--
CONTACTOR #10				SPACE	--
				SPACE	--
				SPACE	--
				SPACE	--

NOTE:
1. TOTAL NUMBER OF CONTACTORS 10.
2. EACH CONTACTOR HAS (4) POLES (L1,L2,L3,L4).
3. COORDINATE ALL LIGHT LEVEL SETTINGS AND TIME CLOCK PROGRAMMING WITH OWNER.
   A. TOD - TIME OF DAY
   B. PC - PHOTOCELL

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.
- 20 AMP DOUBLE-DUPLEX 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.
- (S) 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.

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. 2010 EDITION
   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.
   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.

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.

INCORPORATED SPB - 2021_0501

DEAN W. CHANDLER

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PROJECT MANAGER: AH
CHECKED BY: DC
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ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET AT ORIGINAL RELEASE. 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. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

PROJECT NUMBER 63200243

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
0108	2	TRAVEL CENTER GLASS DISPLAY CABINET	RT	GC	TBD	120 V	1	2.5 A	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-15P
1003	2	HAND DRYER	RT	GC	BOBRICK	120 V	1	1726 W	2#12, 1#12G IN 3/4"C	DIRECT CONNECT
1036 2	7	24(INCH) X 48(INCH) LIGHTED MIRROR	RT	GC	SEURA	120 V	1	1.0 A	2#12, 1#12G IN 1/2"C	DIRECT CONNECT - HARDWIRED
1077	1	CAT SCALE FUEL DESK	RT	GC	CAT SCALE	120 V	1	800W	2#12, 1#12G IN 1/2"C	CORD & PLUG- NEMA 5-20
2002	5	VANITY SINKS	RT	GC	KOHLER	120 V	1	VERIFY	2#12, 1#12G IN 1/2"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
2 2004	6	URINAL	RT	GC	ZURN	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	DIRECT CONNECT - VIA POWER CONVERTER
2019	8	WATER CLOSET	RT	GC	ZURN	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - VIA POWER CONVERTER
2026	1	DEEP VANITY SINK	RT	GC	KOHLER	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - VIA POWER CONVERTER
3004	2 3	10 HEAD SODA FOUNTAIN	RT	VENDOR	CORNELIUS	120 V	1	3.5 A	2#12, 1#12G IN 1/2"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 1/2"C	CORD AND PLUG - NEMA 5-20
2 3007	2	GRANITA MACHINE	RT	VENDOR	BUNN	120 V	1	12.0 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15
3008	1	CAPPUCCINO DISPENCER - 5 HEAD	RT	GC	BUNN	120 V	1	15 A	2#12, 1#12G IN 1/2"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 (18 KW, 50 GAL - SHORT)	RT	GC	RHEEM	208 V	3	50 A	3#8, 1#10G IN 3/4"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 1/2"C	CORD & PLUG - NEMA L6-20
2 3022	2	Schaerer Coffee Art C TOUCH Utility	RT	GC	Schaerer	208 V	1	16 A	2#12, 1#12G IN 3/4"C	
3033	2	TEA BREWER	RT	VENDOR	BUNN	120 V	1	14.4 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15
4013	2	ICE MAKER (CRUSHED/NUGGET)	RT	VENDOR	ICE-O-MATIC	208 V	1	15.3 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 6-20
4025	4	FROZEN YOGURT DISPENSER	RT	GC	STOELTING	208 V	1	12.0 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 6-20. INSTALL AT 70" AFF.
4033	2 1	TWO DOOR REFRIGERATOR	RT	GC	TURBO AIR	120 V	1	9.2 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15
4043	1	TWO DOOR REACH-IN FREEZER	RT	GC	TURBO AIR	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-15
4065	1	BULLET IMPULSE COOLER (4 FT.)	RT	GC	HILLPHOENIX	120 V	1	1.0 A	2#12, 1#12G IN 1/2"C	VERIFY
4114	1	WALK IN COOLER CONDENSER	RT	GC	BOHN	208 V	3	10087	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH
4131	1	YOGURT MACHINES CHILLER - PAK	RT	GC	AIRDYNE	208 V	3	13.1 A	3#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (MOCP 20A)
4138	1	1 DOOR, 177 GAL, THAWING CABINET	RT	GC	ELECTROLUX	208 V	1	7.5	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 6-20
4149	2	Alch-NonAlch Cooler Condenser	RT	GC	BOHN	208 V	3	9546W	3#8, 1#8G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH
4150	4	REACH IN COOLER EVAPORATOR	RT	GC	BOHN	120 V	1	111W	2#12, 1#12G IN 1/2"C	DIRECT CONNECT - DISCONNECT SWITCH
4151	1	Bullet Impulse Cooler Condenser	RT	GC	BOHN	208 V	1	5403W	3#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH
4152	1	WALK IN COOLER EVAPORATOR	RT	GC	BOHN	120 V	1	74 W	2#12, 1#12G IN 1/2"C	DIRECT CONNECT - DISCONNECT SWITCH
4153	1	FREEZER CONDENSER	RT	GC	BOHN	208 V	3	7206W	3#10, 1#10G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (MOCP 30 A)
4154	1	FREEZER EVAPORATOR	RT	GC	BOHN	208 V	1	15.7 A	2#12, 1#12G IN 1/2"C	DIRECT CONNECT - DISCONNECT SWITCH
4173	1	UNDERCOUNTER FREEZER	RT	GC	Turbo Air	120 V	1	2.6	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15
2 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	93.2W	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (SERVES 4011)
4183	2	ICE MAKER REMOTE CONDENSER (CRUSHED NUGGET)	RT	VENDOR	ICE-O-MATIC	208 V	1	93.2W	2#12, 1#12G IN 3/4"C	DIRECT CONNECT - DISCONNECT SWITCH (SERVES 4013)
5001	1	COIN SAFE	RT	GC	TIDEL	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	VERIFY
5002	1	INTERCOM ESCO	RT	GC	ESCO	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	VERIFY
5003	1	COMPUTER SYSTEM	RT	RT	-	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-15
5004	1	FAX/PRINTER	RT	RT		120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-20
5005	1	TANK MONITOR	RT	GC	VEEDER-ROOT	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	VERIFY
5006	3	46 INCH COMMERCIAL DISPLAY	RT	RT	AT&T	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-15
5007	1	BILL SAFE	RT	GC	TIDEL	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	VERIFY
5008	4	CASH DRAWER	RT	GC	APG					POWERED BY UPS
5009	4	POINT OF SALE TERMINAL	RT	RT	RADIANT					POWERED BY UPS
5010	4	POINT OF SALE SCANNER	RT	RT	MOTOROLA					POWERED BY UPS
5011	6	POINT OF SALE PRINTER	RT	RT	BIXOLON					POWERED BY UPS
5012	6	UPS POWER SUPPLY	RT	GC	ONEAC	120 V	1	VERIFY	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15 / (120V OUTPUT)
5016	4	CIGARETTE MERCHANDISER	RT	VENDOR	IMAGEWORKS	120 V	1	VERIFY	2#12, 1#12G IN 1/2"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 1/2"C	CORD AND PLUG - NEMA 5-20
5024	3	INTERCOM CALL BOX	RT	GC	ESCO					
5025	4	ROLLER GRILL	RT	GC	STAR	120 V	1	12.8 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15
5026	2 2	MICROWAVE OVEN	RT	GC	PANASONIC	120 V	1	17.7 A	2#10, 1#10G IN 3/4"C	CORD AND PLUG - NEMA 5-25
5027	2	BUN WARMER	RT	GC	VULCAN-HART	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 1/2"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
5039	10	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 MANUFRACTURING	120 V	1	6.9 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15
5041	7	SECURITY MONITORS	RT	GC	SAMSUNG	120 V	1	54W	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15
5042	1	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 1/2"C	VERIFY
5048	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
5055	2	POWER CONVERTER	RT	GC		120 V	1	2.0 A	VERIFY WITH SUPPLIER	DIRECT CONNECT
5059	2	SINGLE FOOD WARMER WITH PUMP (YOGURT TOPPINGS)	RT	GC	SERVER	120 V	1	2.0 A	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-15
5060	1	GLASS DOOR FREEZER	RT	GC	EXELLENCE INDUSTRIES	120 V	1	4.9 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15
5067	1	PIZZA PREP STATION	RT	GC	DUKE	120 V	1	9.3 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-20
5069	1	HOLDING CABINET	RT	GC	DUKE	208 V	1	16 A	2#10, 1#10G IN 3/4"C	CORD AND PLUG - NEMA L6-20P
5074	6	POS BATTERY BACKUP	RT	GC	GTS	120 V	1	2.0 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15 / (OUTPUT: 120V)
5078	1	MTO MEASURING SCALE	RT	RT	TAYLOR	120 V	1	1.0 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15 (AC ADAPTER)
5083	1	SINGLE DOOR WINE COOLER 54 IN TALL	RT	GC	EXCELLENCE INDUSTRIES	120 V	1	6.5 A	2#12, 1#12G IN 3/4"C	CORD & PLUG - NEMA 5-15
5084	2	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					-
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)
5109	2	BIO BLENDING SYSTEM	RT	GC	JUNGE	120 V	1	VERIFY	2#12, 1#12G IN 3/4"C	VERIFY
5115	2	VERTICAL OPEN DISPLAY CASE	RT	GC	TURBO AIR	120 V	1	15.0 A	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-20 IN MILLWORK BASE
5120	3	NCR R6 SELFSERVE CHECKOUT	RT	GC	NCR	120 V	1	11A	2#12, 1#12G IN 1/2"C	DIRECT CONNECT - HARDWIRED
5128	1	CANDY FIXTURE	RT	GC	NEW ENGLAND WIRE	120 V	1	2.5 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15
5136	1	SOLID DOOR FREEZER	RT	GC	TURBO AIR	120 V	1	4.4 A	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-15P
5139	1	OIL CONSERVING ELECTRIC FRYERS	RT	GC	FRYMASTER	208 V	3	48 A	3#6, 1#6G IN 1"C	CORD AND PLUG - NEMA 15-60P
5148	1	WORKTOP FREEZER	RT	GC	TURBO AIR	120 V	1	7.8 A	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15
5150	1	BUILT-IN HEATED SHELF	RT	GC	HATCO	120 V	1	6.6 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15R
5151	1	WORKTOP REFRIGERATOR	RT	GC	TURBO AIR	120 V	1	7.8 A	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-15
5155	2	COMDATA SMART SOLUTIONS	RT	RT	COMDATA	120 V	1			POWERED BY UPS
5156	1	low-profile 9-pin dot matrix printer	RT	GC	OKI		1		VERIFY WITH SUPPLIER	CORD & PLUG - NEMA 5-15
5158	1	PASTRY CASE	RT	GC	ROYSTON	120 V	1	1.21 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15
2 5159	2	WORKTOP FREEZER	RT	GC	TURBO AIR	120 V	1	2.4 A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15
5162	1	AIR COMPRESSOR	RT	GC	CHAMPION	208 V	3	25.3	3 #8, 1#10G IN 3/4"C	VERIFY
5165	1	WORKTOP REFRIGERATOR	RT	GC	TURBO AIR	120 V	1	2.5	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15
5166	1	WASTE OIL CONTAINMENT TANK	RT	GC	FRONTLINE INTERNATIONAL	120 V	1	3.5A	2#12, 1#12G IN 1/2"C	CORD & PLUG - NEMA 5-15
5179	2	HOT CASE	RT	GC	VENDO	208 V	1	17.1 A	2#10, 1#10G IN 3/4"C	CORD & PLUG - NEMA L14-30
5183	1	BREADING TABLE	RT	GC	DUKE ADI-3M-N7 DROP-IN	120 V	1	6.7A	2#12, 1#12G IN 1/2"C	CORD & PLUG- NEMA 5-20
5185	2	BUILT-IN HEATED SHELF	RT	GC	HATCO	120 V	1	13A	2#12, 1#12G IN 1/2"C	CORD AND PLUG - NEMA 5-20
5187	1	AMBIENT (UNHEATED) AIR CURTAIN	RT	GC	BERNER INTERNATIONAL CORP.	120 V	1	13.0 A	3#12, 1#12G IN 3/4"C	HARDWIRED
2 5189	3	AIR CURTAIN AT TC CUSTOMER ENTRANCE	GC	GC	BERNER INTERNATIONAL	120 V	1	17.0 A	2#12, 1#12G IN 3/4"C	HARDWIRED
5203	2	FOOD LABEL PRINTER	RT	GC	AVERY DENNISON	120 V	1	90W	2#12, 1#12G IN 3/4"C	CORD AND PLUG - NEMA 5-15
5210	1	144 IN STRIP HEATER	RT	GC	HATCO	208 V	1	16 A	2#10, 1#10G IN 3/4"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
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
ELECTRICAL EQUIPMENT SCHEDULE

SHEET NUMBER
E002

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0506

DEAN W. CHANDLER

FAULT CURRENT GENERAL NOTE (ESTIMATED VALUE):
THE MAXIMUM AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT VALUE AT THE UTILITY TRANSFORMER SECONDARY/POINT OF SERVICE COULD NOT BE DETERMINED AT THE TIME OF THIS SUBMITTAL. THE ESTIMATED WORST CASE VALUE OF 46,262A IS BASED ON AN INFINITE BUS CALCULATION AT THE UTILITY TRANSFORMER. CONTRACTOR SHALL VERIFY ACTUAL AVAILABLE FAULT CURRENT VALUE WITH UTILITY. NOTIFY ENGINEER IF ACTUAL VALUE EXCEEDS ESTIMATED CALCULATED VALUE. ESTIMATED DESIGN VALUE IS BASED ON THE FOLLOWING:
UTILITY TRANSFORMER SECONDARY VOLTAGE: 208Y/120V, 3Ø, 4W
UTILITY TRANSFORMER SIZE: 750KVA, Z=5.0%

Short-Circuit and Voltage Drop Calculations

Distances are for calculation purposes only and shall not be used for contractor takeoffs nor bidding - Contractor shall notify Engineer of any field condition that results in a change of 10% or greater circuit distance

The following calculations are based on the "Point-by-Point" method where:
ISC (2) = ISC(1) x M(1) M= 1/(1+f)
ISC (1) = short circuit current at fault point 1
ISC (2) = short circuit current at fault point 2

Feeder: f (3Ø) = 1.732 x L x Isc / C x E
XFMR: f (3Ø) = IP(sca)x Vp x 1.73 x %Z / 100,000 x KVA
IS(sca)= Vp x M x IP(sca) / Vs
Feeder: f (1Ø)= 2 x L x Isc / C x E
XFMR: f (1Ø)= IP(sca)x Vp x %Z / 100,000 x KVA

VOLTAGE DROP (3Ø):
%VD= ((R x cos(arccos(pf)) + X x sin (arccos(pf))) x L/# x I x 1.73) / E
VOLTAGE DROP (1Ø):
%VD= ((R x cos(arccos(pf)) + X x sin(arccos(pf))) x 2 x L/# x I) / E

IP = Primary short circuit current
Vp = Primary voltage
IS= Secondary short circuit current
Vs= Secondary voltage
L = Length of circuit
C = "C" Factor from Bussman table where "C" = 1 / impedance per linear foot
E = Line to line volts

%VD CUM= Cumulative Voltage Drop from Fault Point 1 to Fault Point #
R= resistance in ohms per LF
X= reactances in ohms per LF

Feeder Types =
NM - Non Magnetic Conduit, M - Magnetic Conduit, FB - Feeder Busway, PB - Plug-in Busway, TX - Transformer

Date of Calculations: 11/16/2020
System Voltage: 208Y/120V - 3 phase

Fault Point (F#)	Bus/Feeder Description	Source (Fault Point)	Phase	Source Isc (amps)	Feeder: Conduit Type/ TX	Feeder: Material	Feeder: Quantity of Parallel Sets and Bus/ Phase & Neutral Size	Conductor 'C' Value	Busway 'C' Value	L-L Voltage (E)	Circuit Length (L)	Load Power Factor (pf)	Circuit Load (Amperage)	Conductor: Resistance (R)	Conductor: Reactance (X)	Conductor: Arccos (pf) (Radians)	Transformer: Type	Transformer: Degree Rise	Transformer: kVA	Transformer: New Xfmr Z	Transformer: Existing Xfmr Z	Transformer: Secondary Voltage	Transformer: Tap Setting	f	M	Fault Current (amps)	Voltage Drop (%VD)	Cumulative Voltage Drop (%VD)	Fault Point (F#)
1	Utility Service Point			46,262 at the secondary of the utility transformer																										1
	Motor Contribution			300 The connected full load motor amps (includes compressors) on the system																						Source Isc + 6X Motor Contribution =	48062			
2	MDP1	1	3	48062	NM	CU	3 Set(s) of 400 kcmil	24297	--	208	210	0.9	650	0.000033	0.000040	0.451027								1.153	0.46	22323	-1.79%	-1.79%	2
3	MDP2	1	3	48062	NM	CU	3 Set(s) of 400 kcmil	24297	--	208	210	0.9	615	0.000033	0.000040	0.451027								1.153	0.46	22323	-1.69%	-1.69%	3
4	PANEL A	2	3	22323	M	CU	1 Set(s) of 3/0 AWG	12844	--	208	10	0.9	75	0.000079	0.000052	0.451027								0.145	0.87	19501	-0.06%	-1.84%	4
5	PANEL B	2	3	22323	M	CU	1 Set(s) of 3/0 AWG	12844	--	208	20	0.9	75	0.000079	0.000052	0.451027								0.289	0.78	17312	-0.12%	-1.90%	5
6	PANEL C	8	1	19020	M	CU	1 Set(s) of 6 AWG	2425	--	208	5	0.9	34	0.000490	0.000064	0.451027								0.377	0.73	13812	-0.08%	-1.95%	6
7	PANEL C1	9	1	17915	M	CU	1 Set(s) of 6 AWG	2425	--	208	5	0.9	16	0.000490	0.000064	0.451027								0.355	0.74	13220	-0.04%	-1.92%	7
8	PANEL D	2	3	22323	M	CU	1 Set(s) of 3/0 AWG	12844	--	208	12	0.9	94	0.000079	0.000052	0.451027								0.174	0.85	19020	-0.09%	-1.87%	8
9	PANEL D1	2	3	22323	M	CU	1 Set(s) of 3/0 AWG	12844	--	208	17	0.9	77	0.000079	0.000052	0.451027								0.246	0.80	17915	-0.10%	-1.89%	9
10	PANEL E	3	3	22323	M	CU	1 Set(s) of 3/0 AWG	12844	--	208	10	0.9	127	0.000079	0.000052	0.451027								0.145	0.87	19501	-0.10%	-1.79%	10
11	PANEL M	3	3	22323	M	CU	1 Set(s) of 3/0 AWG	12844	--	208	10	0.9	135	0.000079	0.000052	0.451027								0.145	0.87	19501	-0.11%	-1.80%	11
12	PANEL M1	3	3	22323	M	CU	1 Set(s) of 3/0 AWG	12844	--	208	10	0.9	119	0.000079	0.000052	0.451027								0.145	0.87	19501	-0.09%	-1.78%	12
13	PANEL T	2	3	22323	M	CU	1 Set(s) of 4 AWG	3806	--	208	130	0.9	60	0.000310	0.000060	0.451027								6.349	0.14	3037	-1.98%	-3.77%	13
14																													14

2 SHEET ADDED TO SET

DEAN W. CHANDLER

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AH
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DC
DRAWN BY:
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ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21
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

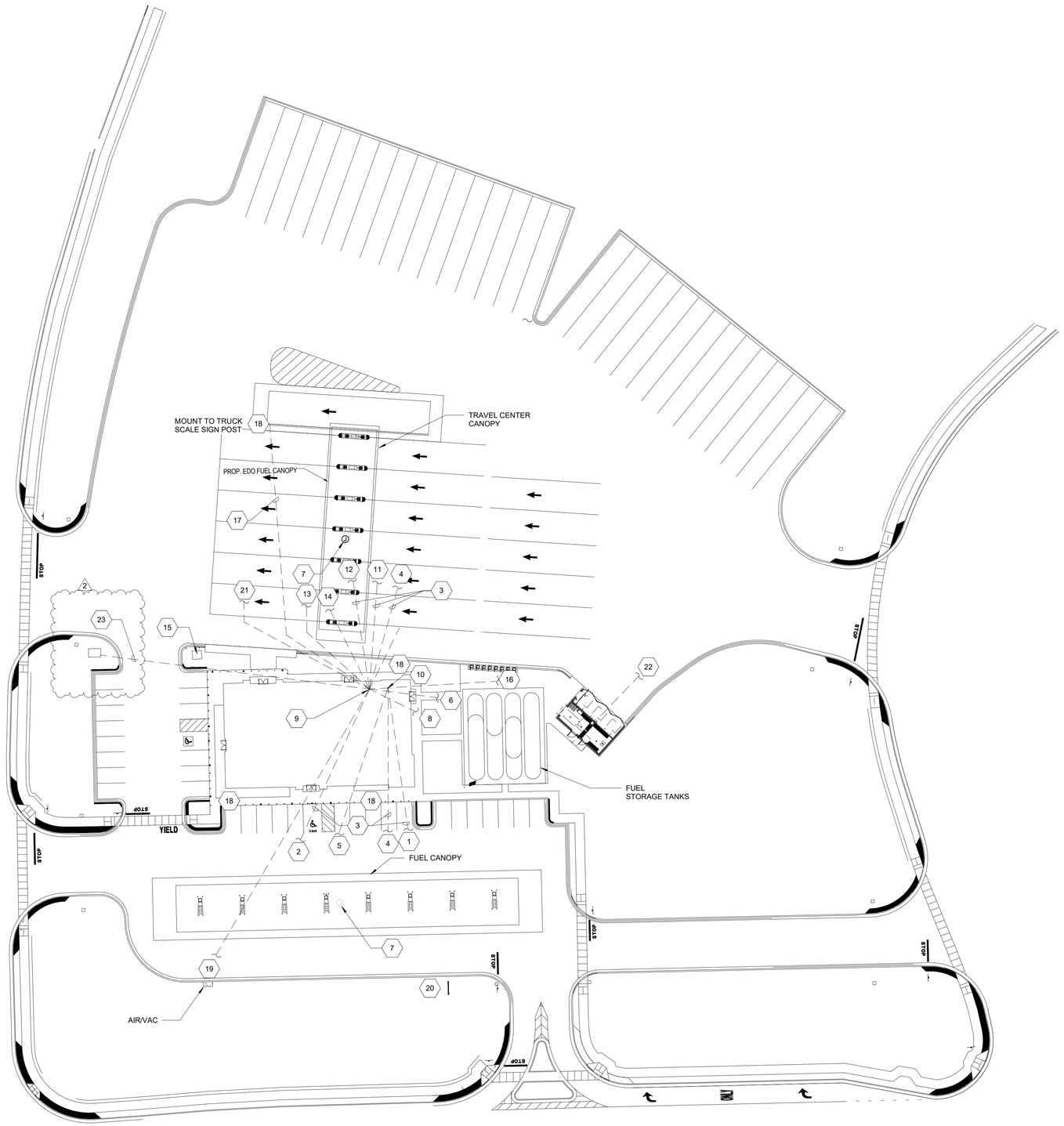
GEORGIA REGISTERED No. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
VOLTAGE DROP CALCULATIONS

SHEET NUMBER
E003



1 ELECTRICAL SITE PLAN
1" = 30'-0"

GENERAL NOTES

1. ALL CONDUITS SHOWN FOR PUMP POWER, FUEL DISPENSER POWER, COMMUNICATIONS AND ALARM MONITORING SHALL BE COORDINATED WITH RACETRAC PROVIDED MDM TANK DRAWINGS PRIOR TO ROUGH-IN OF ANY WORK.
2. REFER TO RACETRAC PROVIDED MDM TANK DRAWINGS FOR CONDUIT TYPES, SIZES AND WIRE SIZES FOR POWER TO TANK PUMP AND FUEL DISPENSERS, AND CONDUIT TYPES, SIZES AND WIRING REQUIREMENTS FOR LOW VOLTAGE WIRING. WIRE SIZES SHOWN ON THE MDM TANK DRAWINGS FOR EQUIPMENT BRANCH CIRCUITS HAVE BEEN SIZED FOR A MAXIMUM VOLTAGE DROP OF 3%. WIRE SIZE SHALL BE MAINTAINED THROUGHOUT ENTIRE BRANCH CIRCUIT RUN.
3. PVC OR METAL RIGID CONDUIT SIZE SHALL BE A MINIMUM OF 3/4" FOR LENGTHS UNDER 200LF AND A MINIMUM OF 1" FOR LENGTHS OVER 200LF.

SHEET KEYNOTES

1 (8) 3/4" RMC COMMUNICATION CONDUITS SERVING FUEL DISPENSERS. STUB OUT EACH WITHIN IT'S DEDICATED DISPENSER SUMP.

2 (8) 3/4" RMC POWER CONDUITS AND (8) 3/4" SPARE CONDUITS SERVING FUEL DISPENSERS. STUB OUT EACH WITHIN IT'S DEDICATED DISPENSER SUMP.

3 REFER TO RACETRAC PROVIDED MDM TANK DRAWINGS FOR ADDITIONAL ELECTRICAL WORK, INFORMATION AND DETAILS.

4 (2) 1" PVC CONDUIT FROM VEEDER ROOT TO PUMP DISPENSERS.

5 (1) 1" RMC FOR OVERFILL ALARM, (5) 1" RMC FOR TANK MONITORING/VEEDER ROOT, (8) 1" RMC FOR BLENDER /BLENDER SOLENOID. COORDINATE WITH RACETRAC PROVIDED MDM TANK DRAWINGS FOR QUANTITY AND LOCATIONS.

6 1" RMC FOR SUBMERSIBLE TURBINE FUEL PUMP POWER AND 3/4" RMC FOR STP SPARE. REFERENCE PANEL SCHEDULES 'D' AND 'D1' ON SHEET E431 AND MDM TANK DRAWINGS FOR ADDITIONAL INFORMATION.

7 FUEL CANOPY SECURITY CAMERA. RUN BACK TO DATA CLOSET IN FUEL CANOPY INTERCOM SYSTEM RACEWAY. USE MANUFACTURER'S RECOMMENDED CABLING. COORDINATE FINAL LOCATION WITH RACETRAC CONSTRUCTION PROJECT MANAGER.

8 (6) 3" PVC CONDUITS FOR SECONDARY ELECTRICAL SERVICE FROM TRANSFORMER TO PANELS 'MDP' AND 'MDP2'. REFER TO ELECTRICAL RISER DIAGRAM ON E-410 FOR FEEDER REQUIREMENTS.

9 ELECTRICAL SERVICE EQUIPMENT. REFER TO E410 FOR LAYOUT OF EQUIPMENT.

10 VEEDER-ROOT AND LOW VOLTAGE DISCONNECT (LVDD) 'NICHE'. REFER TO E-601 FOR LAYOUT.

11 (7) 3/4" RMC COMMUNICATION CONDUITS SERVING TRAVEL CENTER FUEL DISPENSERS. STUB OUT EACH WITHIN IT'S DEDICATED DISPENSER PUMP.

12 (7) 3/4" RMC POWER CONDUITS AND (7) 3/4" SPARE CONDUITS SERVING TRAVEL CENTER FUEL DISPENSERS. STUB OUT EACH WITHIN IT'S DEDICATED DISPENSER SUMP.

13 1" RMC FOR VEEDER-ROOT AND 3/4" RMC FOR SPARE TO EACH TRANSITION SUMP. COORDINATE WITH RACETRAC PROVIDED MDM TANK DRAWINGS FOR QUANTITY AND LOCATION.

15 PROPOSED LOCATION OF UTILITY COMPANY TRANSFORMER.

16 CONDUIT TO REMOTE ENCLOSURE. REFER TO SHEET E-432 AND E-600 FOR ADDITIONAL INFORMATION.

17 PROVIDE (4) 1-1/2" PVC CONDUITS FOR THE TRUCK SCALE AS FOLLOWS:
- a. (1) 1-1/2" PVC FROM TRAVEL CENTER CASH WRAP 116 TO THE TRUCK SCALE PIT WITH (1) 6 CONDUCTOR #18 CABLE FOR THE LOAD CELL INDICATOR.
- b. (1) 1-1/2" PVC FROM TRAVEL CENTER CASHWRAP 116 TO THE TRUCK SCALE PIT WITH (1) BELDEN 8421 COAX CABLE FOR CAMERA, (1) BELDEN M993, #18 3 CONDUCTOR INTERCOM CABLE.
- c. (1) 1-1/2" PVC FROM PANEL 'B' WITH (3) 120V, 20A CIRCUITS, (1) FOR THE SUMP PUMP & CAMERA (B-31), (1) FOR OVERHEAD SIGN (B-24) AND (1) FOR THE INTERCOM SIGN (B-36)
- d. (1) 1-1/2" PVC SPARE WITH PULL STRING FROM PANEL 'B' FOR FUTURE USE.

LEAVE 30' OF ALL WIRE AND CABLES COILED AT THE SCALE FOR TERMINATION BY TRUCK SCALE VENDOR. COORDINATE ALL REQUIREMENTS WITH TRUCK SCALE VENDOR PRIOR TO ROUGH-IN OF ANY WORK. NOTE: CONDUIT SHALL BE PROVIDED SIZED AS INDICATED. DO NOT DOWN SIZE CONDUIT TO TRUCK SCALE. PROVIDE LIGHTNING PROTECTION AT TRUCK SCALE PER TRUCK SCALE VENDOR REQUIREMENTS.

18 EMERGENCY FUEL SHUT-OFF. TYPE EM04C ON BUILDING. TYPE EM01G AT FUEL CANOPIES .

19. (2) 1" CONDUIT TO AIR/VACUUM MACHINE. (1) CONDUIT FOR POWER AND (1) CONDUIT FOR DATA.

20. (2) 3/4" CONDUITS FOR PRICE/LOGO MONUMENT SIGN. CONTRACTOR TO RUN DEDICATED NEUTRAL AND ISOLATED GROUND WITH EACH CIRCUIT TO THE PRICE SIGN. PRICE SIGN SHALL BE GROUNDED TO THE REBAR CAGE AT THE FOOTING OF THE SIGN.

21. (2) 1" CONDUIT TO REAR CANOPY FOR FUTURE WIFI PROGRAM.

22. (1) 4" SLEEVE TO REAR CANOPY FOR AIR COMPRESSOR.

23. (3) #6 & (1) #8 GND IN 1" CONDUIT TO LIFT STATION. PUMP LIFT STATION PACKAGE PROVIDED WITH DUPLEX ALTERNATING ALARM PANEL. E.C. SHALL INSTALL POWER/ALARM CABLE (6) CONDUCTOR WITH GROUND BETWEEN PUMP AND PANEL IN 1-1/2" CONDUIT (CABLE PROVIDED BY PUMP MANUFACTURER). REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

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PROJECT MANAGER: AH
CHECKED BY: DC
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11/22/21	REV 1 CODE
05/16/22	REFRESH 2021-05

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RACETRAC PETROLEUM, INC.
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PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD
GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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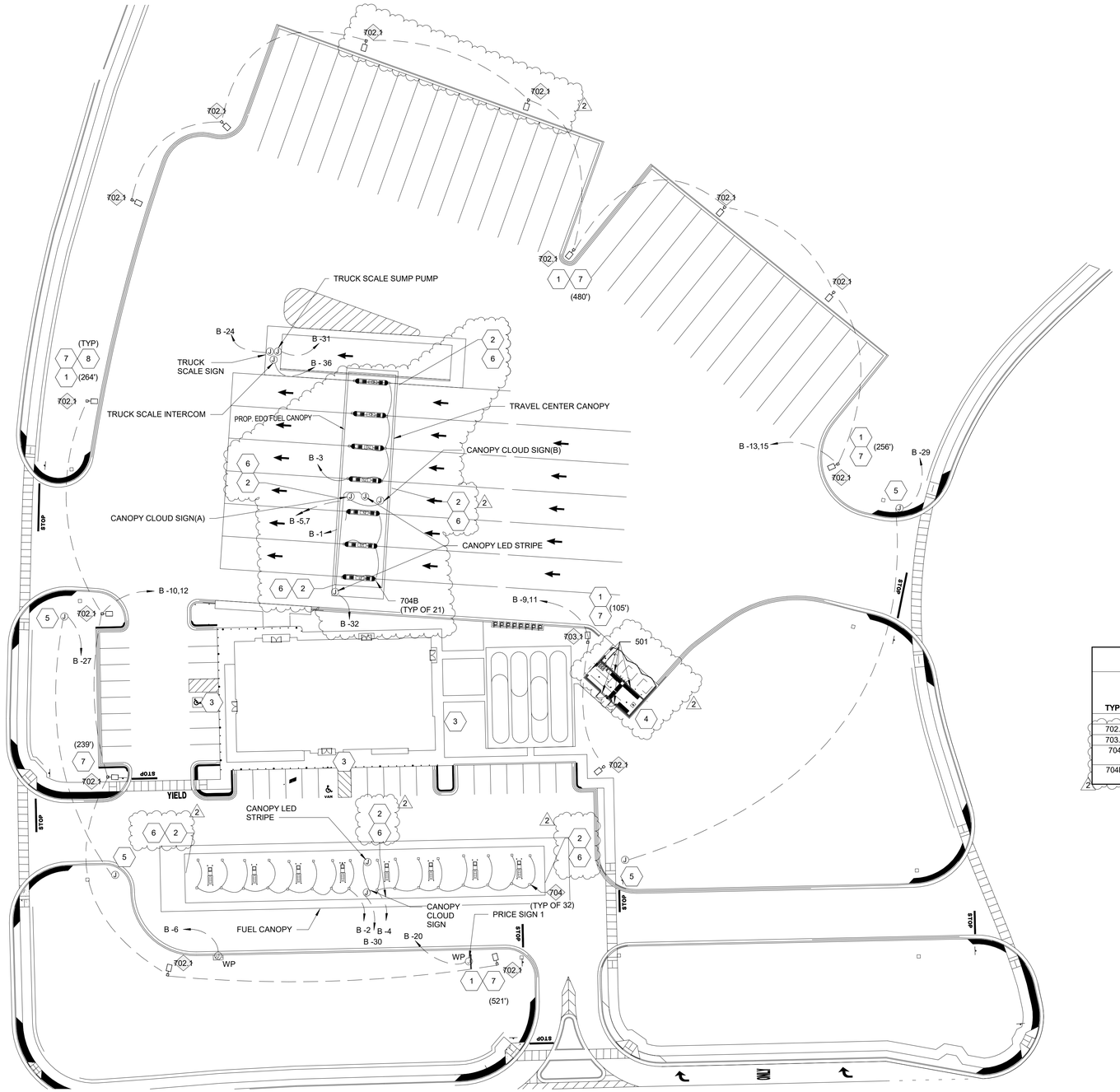
PROFESSIONAL SEAL
GEORGIA REGISTERED No. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER
05/12/2022
DEAN W. CHANDLER
LICENSE # PE043779

PROJECT NUMBER
63200243

SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NUMBER
E010
FOR REFERENCE ONLY

DEAN W. CHANDLER



1 ELECTRICAL SITE LIGHTING PLAN
1" = 30'-0"

GENERAL NOTES

1. MINIMUM CONDUIT SIZE SHALL BE 1" UNLESS OTHERWISE NOTED OR SHOWN. ALL CONDUITS FOR SITE LIGHTING SHALL BE SCH. 40 PVC UNLESS OTHERWISE NOTED.
2. REFER TO PANEL SCHEDULES ON E-430 FOR CONDUIT/WIRE SIZE FOR LIGHTING AND SIGN HOMERUNS. WIRE SIZES SHOWN ON THE PANEL SCHEDULES HAVE BEEN SIZED FOR A MAXIMUM VOLTAGE DROP OF 3%. WIRE SIZE INDICATED ON THE PANEL SCHEDULES SHALL BE MAINTAINED THROUGHOUT ENTIRE BRANCH CIRCUIT RUN.
3. REFER TO E-150 FOR BUILDING MOUNTED LIGHTING AND DECORATIVE POLES AROUND PERIMETER OF BUILDING.
4. REFER TO ARCHITECTURAL ELEVATION DRAWINGS TO VERIFY MOUNTING HEIGHT.

SHEET KEYNOTES

1. 1" PVC WITH PULLSTRING FOR CAMERA WIRING. STUB CONDUIT UP 6" ABOVE TOP OF POLE BASE INSIDE POLE AT EACH POLE LOCATION. WIRING BY OTHERS.
2. 1" PVC WITH PULLSTRING FOR CAMERA WIRING TO DATA CLOSET.
3. REFER TO E150 FOR LOCATION AND WIRING OF BUILDING MOUNTED LIGHTING.
4. REFER TO SHEET E600 FOR LIGHTING AT ENCLOSURES.
5. SITE DIRECTIONAL SIGN. PROVIDE WEATHERPROOF DISCONNECT PER NEC 600.6, IF NOT FURNISHED WITH SIGN. VERIFY REQUIREMENTS WITH SIGN VENDOR. REFERENCE CIVIL PLANS FOR LOCATION, INSTALL SIGN NO LESS THAN 4'-0" OFF CURB.
6. FUEL CANOPY/TANK SECURITY CAMERA MERAKI OUTDOOR MV72. INSTALL 1-1/2" CONDUIT WITH CAT5E OSP CABLE FOR LENGTHS LESS THAN 300' AND GAMECHANGER CABLE FOR CABLE LENGTHS GREATER THAN 300'. MOUNT CAMERA 14'-0" AFG ON LIGHT POLE. COORDINATE FINAL LOCATION / ORIENTATION WITH RT CONSTRUCTION PROJECT MANAGER.
7. DRIVE CUT/TRUCK PARKING SECURITY CAMERA MERAKI OUTDOOR MV72. INSTALL 1-1/2" CONDUIT WITH CAT5E OSP CABLE FOR LENGTHS LESS THAN 300' AND GAMECHANGER CABLE FOR CABLE LENGTHS GREATER THAN 300'. MOUNT CAMERA 11'-0" AFG ON CANOPY COLUMN OR LIGHT POLE AS SHOWN. COORDINATE FINAL LOCATION / ORIENTATION WITH RT CONSTRUCTION PROJECT MANAGER.
2. 8. THE CONDUIT LENGTH AND ROUTING SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTORS SHALL NOT USE THE LENGTHS FOR TAKEOFF OR BIDDING PURPOSES.

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	LAMPS NO.	LAMPS TYPE	LAMPS VOLT	INPUT WATTS	INPUT VA	DESCRIPTION	NOTES
702.1	LITHONIA	RSX2-LED-P6-40K-R4-MVOLT-RPA-DDBXD	1	LED	208	244	244	OUTDOOR LED AREA LIGHT	MOUNTED @ 28'-0"
703.1	LITHONIA	RSX2-LED-P6-40K-R5-MVOLT-RPA-DDBXD	1	LED	208	244	244	OUTDOOR LED AREA LIGHT	MOUNTED @ 28'-0"
704	CED	701948-5W-WT-M150-P2-601106	1	LED	120	66	73	SCOTTSDALE VERTEX - CANOPY LED	AUTO CANOPY
704B	CED	701948-5W-WT-M150-P2-601106	1	LED	120	66	73	SCOTTSDALE VERTEX - CANOPY LED	EDO CANOPY

2

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DEAN W. CHANDLER

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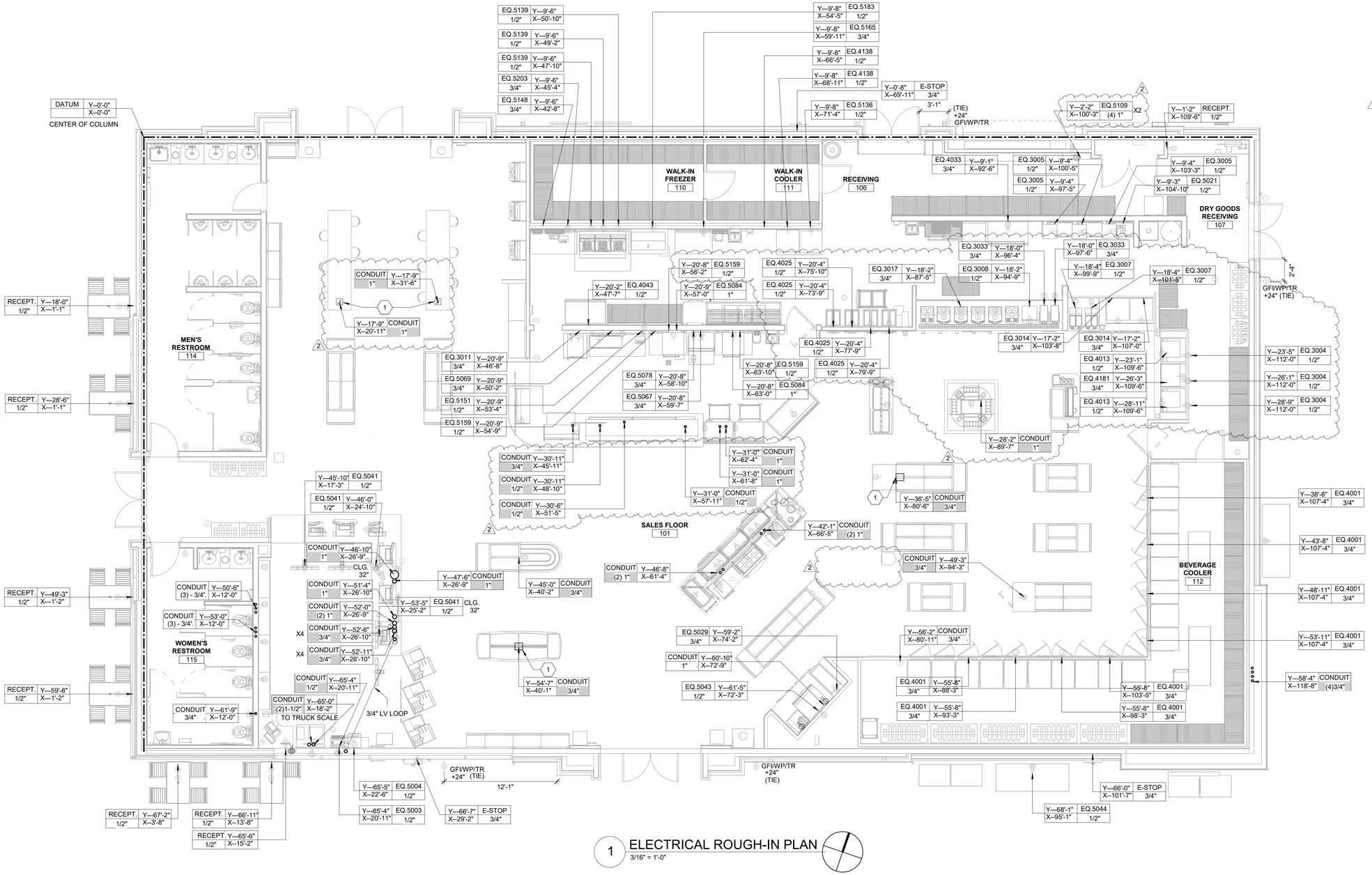
GEORGIA REGISTERED No. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
ELECTRICAL SITE LIGHTING PLAN

SHEET NUMBER
E011



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 APPROXIMATE LOCATION OF FLOOR BOX. EC SHALL PROVIDE AND INSTALL THE FLOOR BOX AS REQUIRED. FLOOR BOX TO BE HUBBELL B2536 CAST IRON, OR EQUIVALENT, WITH POWER COVER PLATE S3925 OR TELE/DATA COVER PLATE S2525, INSTALLED FLUSH WITH FLOOR. EC SHALL COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.

LEGEND

DESCRIPTION/ EQUIPMENT#
EQ. XXX
Y--42'-10" (Y (VERTICAL) DIMENSION FROM DATUM POINT.)
X--18'-7" (X (HORIZONTAL) DIMENSION FROM DATUM POINT.)
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.

INCORPORATED SPB - 2021_0501; 2021_0504; 2021_0506

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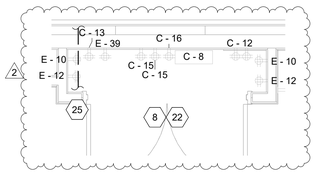
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SHEET TITLE
ELECTRICAL ROUGH-IN PLAN

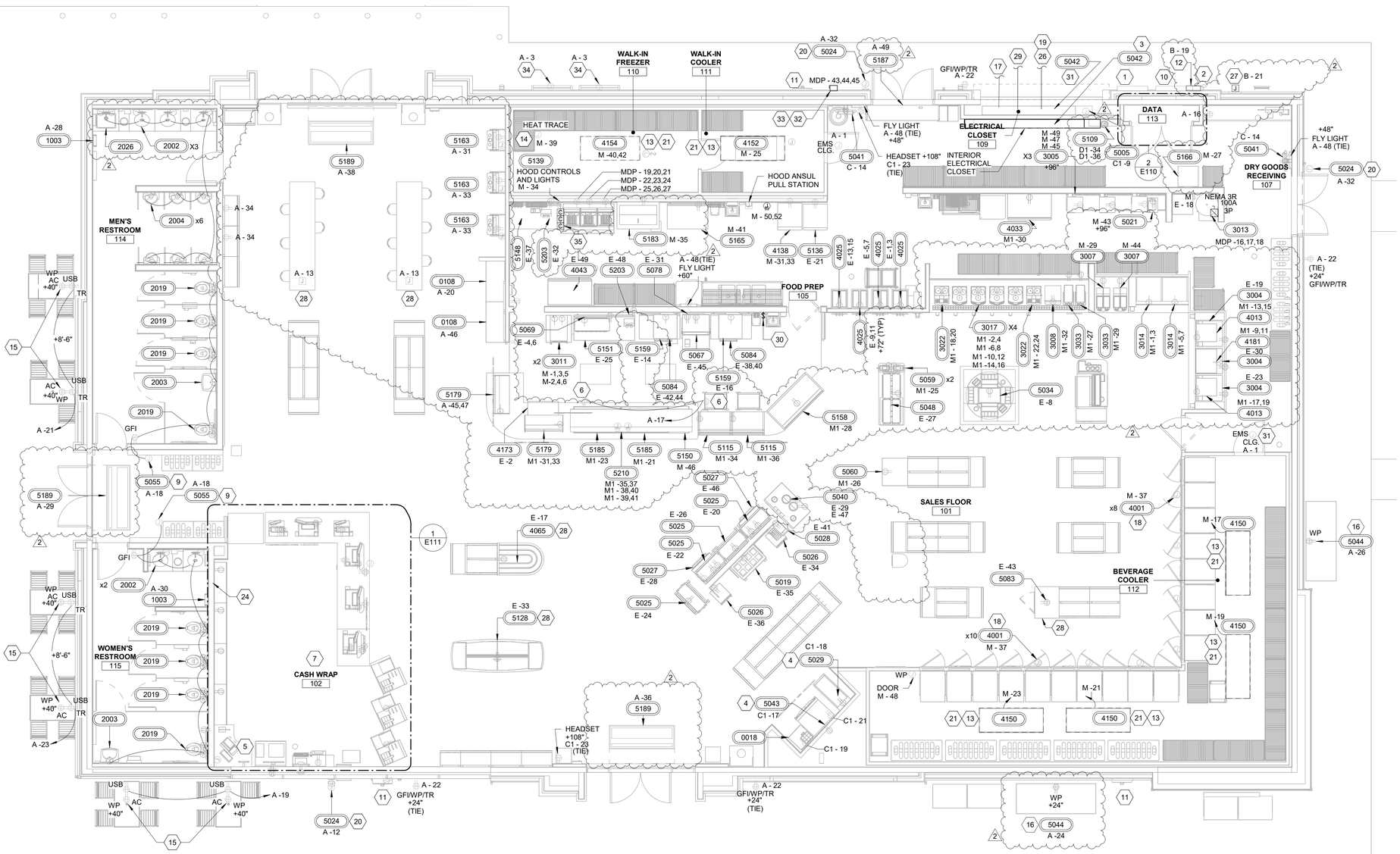
SHEET NUMBER
E100

DEAN W. CHANDLER



2 ENLARGED ELECTRICAL DATA CLOSET PLAN

3/8" = 1'-0"



1 POWER FLOOR PLAN

3/16" = 1'-0"

DEAN W. CHANDLER

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).

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	PROVIDE CEILING RECEPTACLE FOR FUTURE SIGNAGE.
7	COORDINATE ALL ROUGH-INS AND BELOW SLAB WORK WITH OTHER TRADES TO AVOID CONFLICTS WITH FLOOR SAFE DEPRESSION SLAB.
8	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.
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 AND SECONDARY BUS ENCLOSURE.
11	WEATHERPROOF EMERGENCY FUEL SHUT-DOWN CONTROL EM04C. MOUNT 48" AFF. PROVIDED BY RT, INSTALLED AND WIRED BY EC. REFER TO SITE PLAN FOR LOCATION.
12	IRRIGATION CONTROLLER. MOUNT AT 51" 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 ON EVAPORATOR.
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	PROVISION FOR ICE MERCHANDISER.
17	AIR/VAC 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. SEAL CONDUIT PENETRATION WITH 3M LATEX SEALANT CP 25WB+.
22	REFER TO DETAILS ON SHEET E600 FOR RECEPTACLE/EQUIPMENT LOCATIONS, TYPICAL.
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 1#6 BARE GROUND CONDUCTOR TO BUILDING GROUND. LEAVE 6' SLACK FOR CONNECTION BY TELCO. SEE DETAILS ON SHEET E600.
26	(ONE) 1" CONDUIT TO TOP OF CANOPY FOR FUTURE LIGHTING OR SIGNAGE WITH SEAL-OFF AND WEATHERPROOF JUNCTION BOX.
27 2	OIL/WATER SEPERATOR ALARM BOX. MOUNT AT 45" AFF. ROUTE MANUFACTURER RECOMMENDED CABLING IN DEDICATED 1" CONDUIT BETWEEN OWS ALARM AND ALARM PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO WORK.
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 2	PROVIDE 3#6, 1#8GND, IN 1" CONDUIT BETWEEN ALARM PANEL AND DISCONNECT AND BACK TO ELECTRICAL PANEL. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
33	PROVIDE 208V, 60A FUSED H.D. DISCONNECT SWITCH IN NEMA 3R ENCLOSURE.
34	PROVIDE ELECTRICAL CONNECTION FOR ADVERTISING DISPLAYS AT +72" AFF. PROVIDE LOCAL DISCONNECTING MEANS PER NEC.
35 2	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 CIRCUIT BREAKER. CONTACTOR(S) AND WIRING DEVICES FOR PROPER OPERATION. ALL ENERGY SOURCES UNDER HOOD SHALL SHUT-DOWN DURING EMERGENCY CONDITION.

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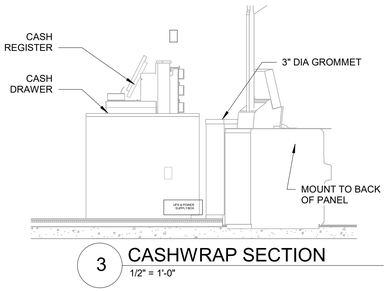
SHEET TITLE

POWER PLAN

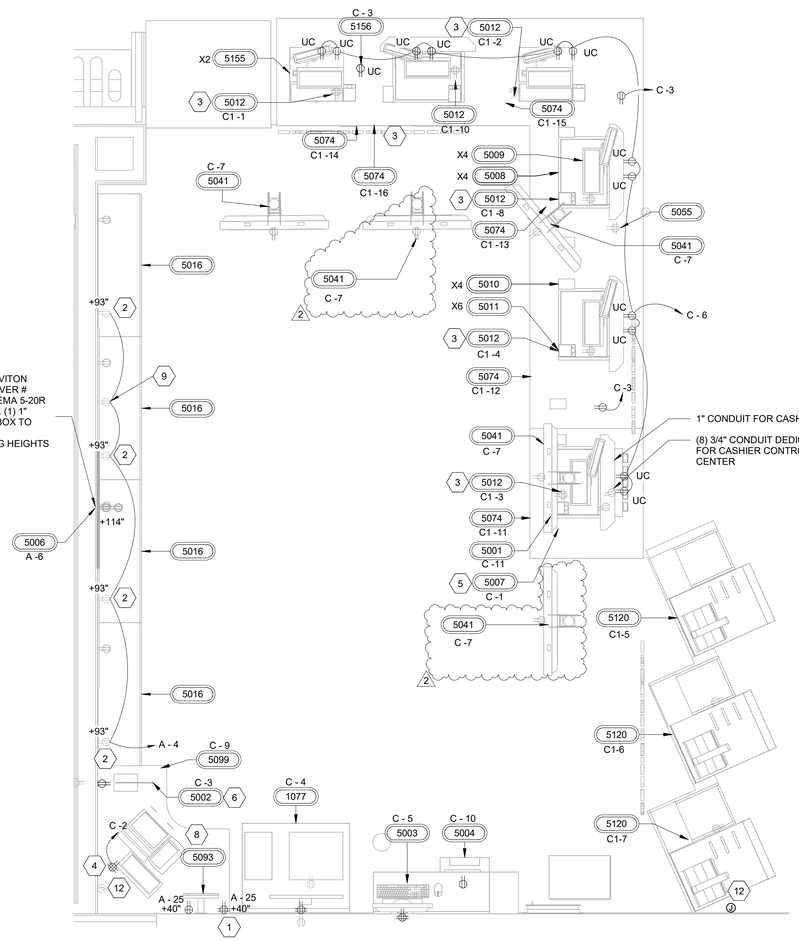
SHEET NUMBER

E110

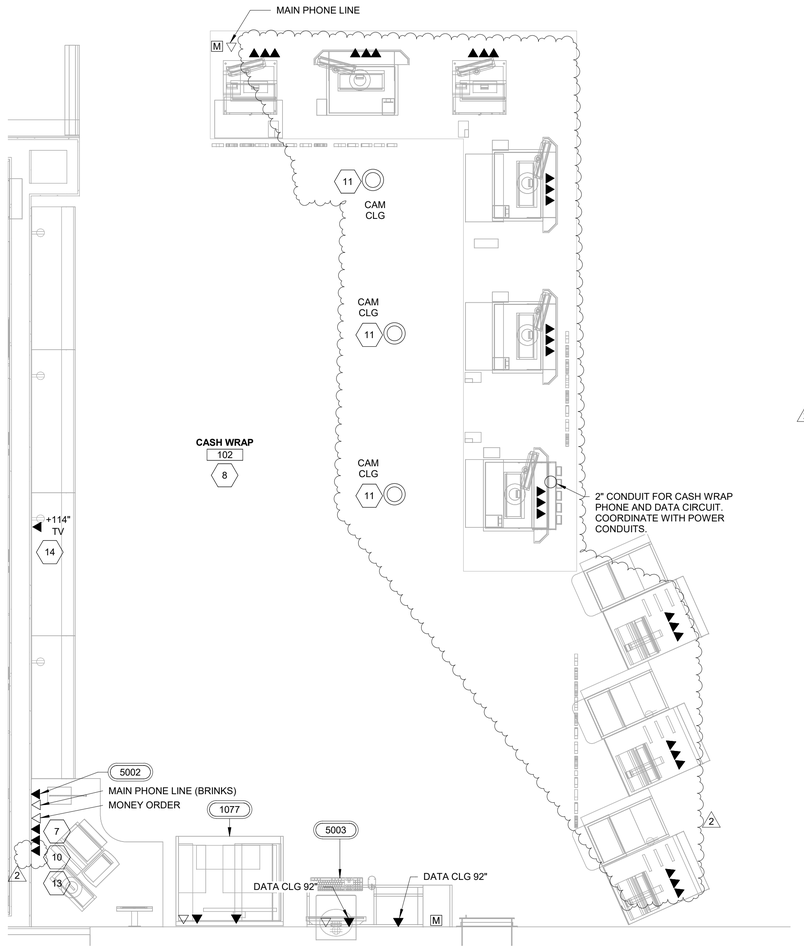
INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0505; 2021_0506



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 TO CENTER 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	DUPLEX RECEPTACLE ABOVE COUNTER FOR HEADSET.
2	PROVIDE DUPLEX RECEPTACLE FOR FIXTURE LIGHTING. ORIENTATION SHALL BE HORIZONTAL.
3	POS, UPS, DUPLEX ISOLATED GROUND RECEPTACLE.
4	MONEY ORDER MACHINE, DUPLEX I.G. RECEPTACLE.
5	BRINKS 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	PROVIDE DUPLEX RECEPTACLE FOR FIXTURE SNUFF COOLER.
10	ROUTE A 1" CONDUIT OVERHEAD 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 INDOOR 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 TO ABOVE CEILING FOR FUTURE COMMUNICATIONS.
14	E.C. SHALL PROVIDE (1) 1" EMPTY CONDUIT WITH PULL LINE TO TELE/DATA CLOSET FOR COMMUNICATION REQUIREMENTS. VERIFY LOCATION AND REQUIREMENT PRIOR TO ROUGH-IN.

INCORPORATED SPB - 2021_0501

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EXPIRES 6/30/2022

PROJECT MANAGER: AH
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ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

RaceTrac®
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PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

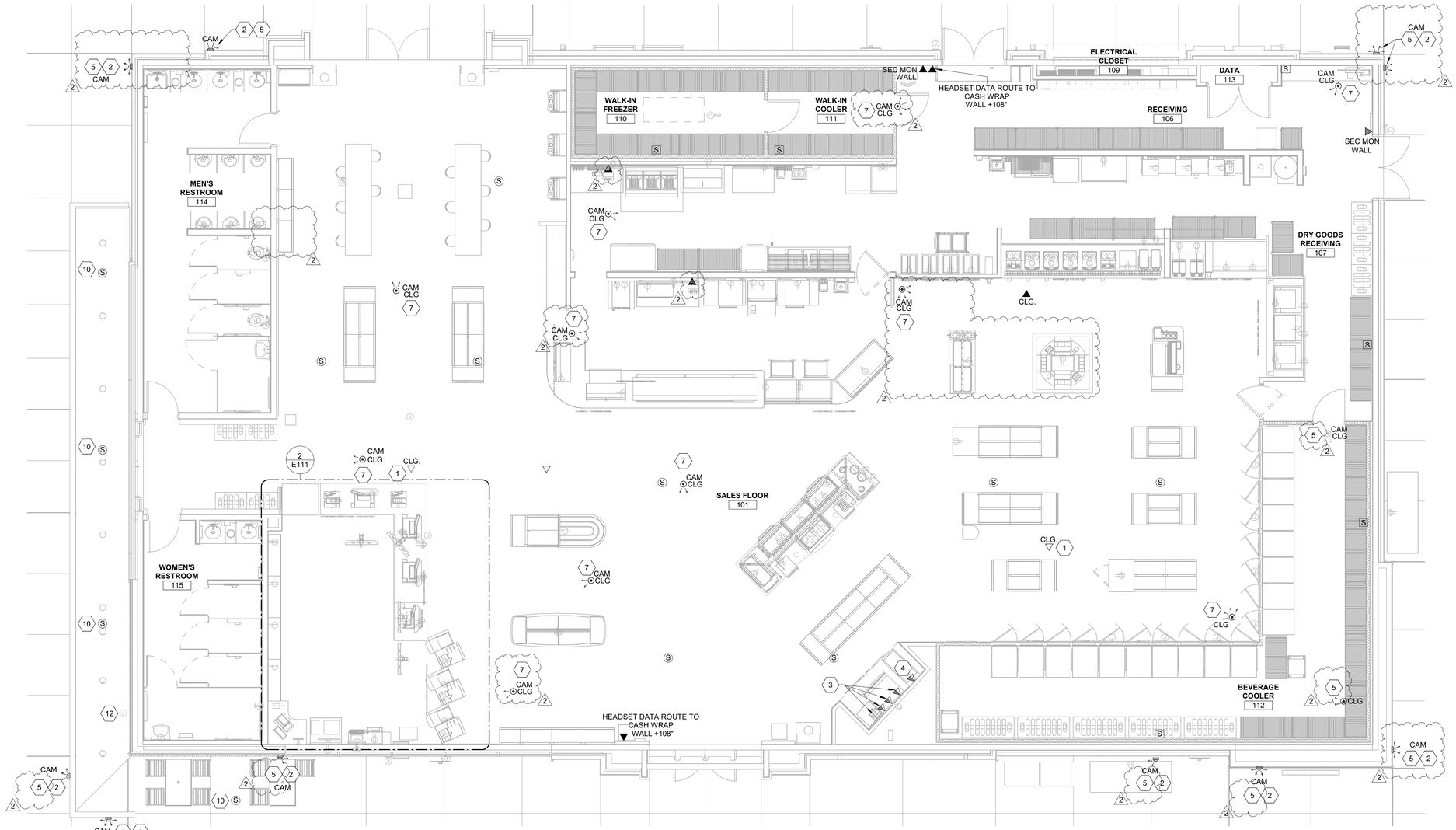
05/12/2022

PROJECT NUMBER 63200243

SHEET TITLE
ENLARGED POWER PLANS

SHEET NUMBER
E111

DEAN W. CHANDLER



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 FURNISHED 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 MANUFACTURER 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. FOR INTERIOR CAMERAS, MONITORS, AND DISPLAY USE CAT5E BLUE PLENUM CABLE FOR INTERIOR RUNS LESS THAN 300'. USE CAT5E OSP CABLE FOR EXTERIOR RUNS LESS THAN 300'. USE GAMECHANGER CABLE FOR EXTERIOR RUNS GREATER THAN 300'.

SHEET KEYNOTES

1	OUTLETS LOCATED ABOVE CEILING FOR FUTURE WIRELESS ACCESS POINT.
2	MOUNT SECURITY CAMERA AT 12'-0".
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	CAMERA MERAKI OUTDOOR MV72
7	CAMERA MERAKI INDOOR MV22
10	EXTERIOR GRADE RECESSED SPEAKER. EC TO ROUTE CONDUIT, WITH PULL STRING, FROM DATA CLOSET TO SPEAKER.
12	L.V.E.C SHALL PROVIDE (1) SPARE 3/4" CONDUIT FROM DATA CLOSET WITH PULL-STRING.

INCORPORATED SPB - 2021_0501; 2021_0504; 2021_0506

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(770) 431-7600

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
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GEORGIA REGISTERED No. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

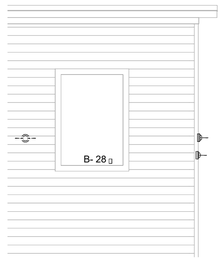
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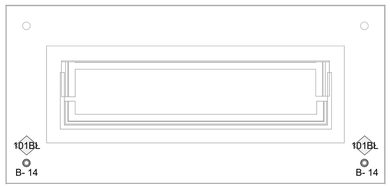
PROJECT NUMBER
63200243

SHEET TITLE
LOW VOLTAGE PLAN

SHEET NUMBER
E120

DEAN W. CHANDLER

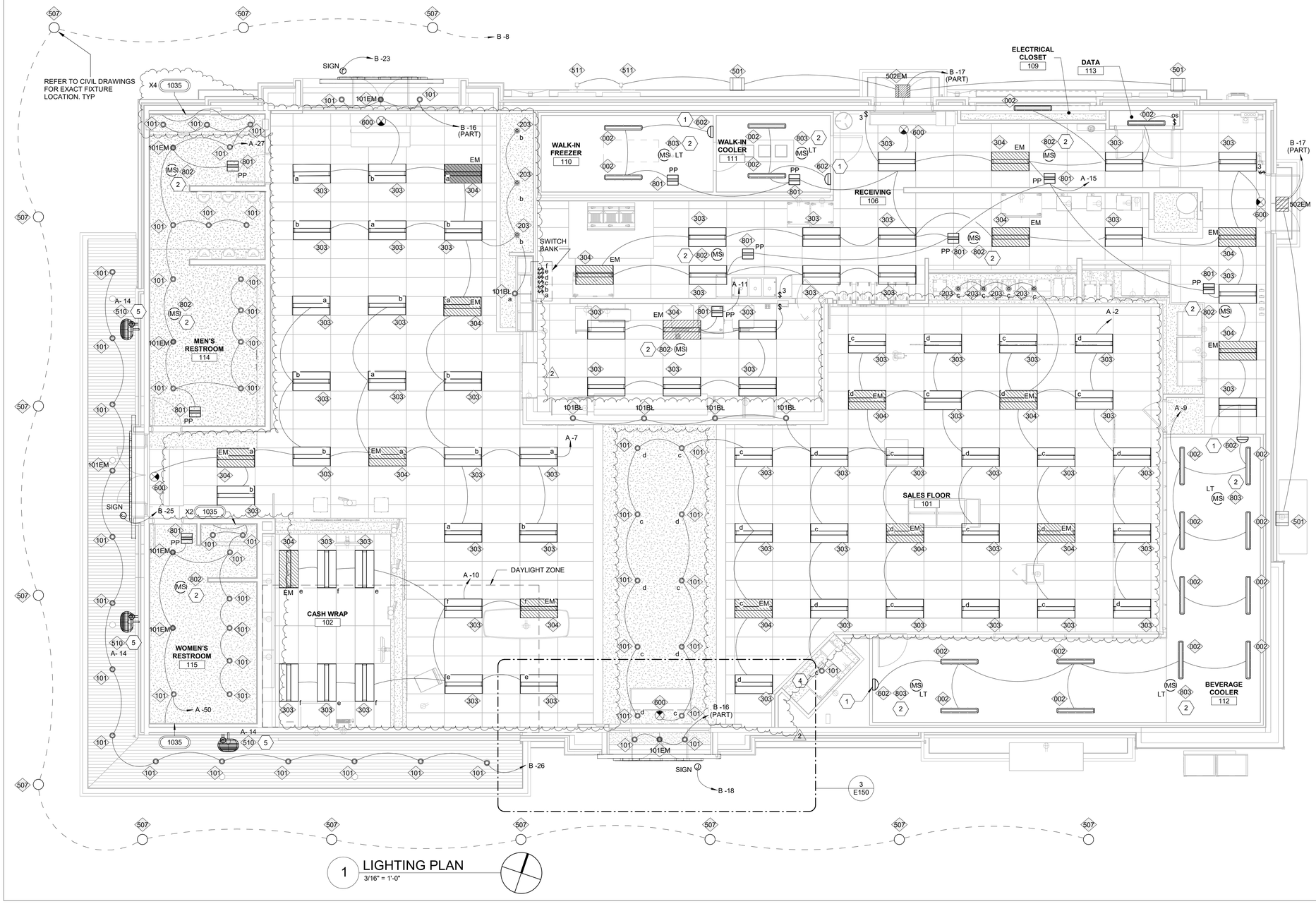




2 CORNER TOWER FRONT ELEVATION
3/16" = 1'-0"

3 FRONT AND REAR HIGH TOWER LIGHTING
3/16" = 1'-0"

DESIGNER NOTE: THE LOCATION AND SELECTION OF THE LIGHT FIXTURES WERE MADE BY OTHERS AND ARE OUTSIDE OF THE SCOPE OF WORK OF HENDERSON ENGINEERS. SCOPE OF SERVICES IS LIMITED TO PROVIDING LIGHTING POWER CIRCUIT CONTROL AND DESIGN AND ENERGY CODE COMPLIANCE CALCULATIONS. THE USE OF THE SEAL AND SIGNATURE ON THIS SHEET APPLIES TO HENDERSON ENGINEER'S SCOPE OF SERVICES ONLY.



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). PROVIDE 90-MINUTE BATTERY BACK-UP WITH FIXTURE.
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

2	1	WALL MOUNTED EMERGENCY EGRESS FIXTURE.
	2	OCCUPANCY SENSOR TO CONTROL LIGHTS.
	4	E.C. TO INSTALL LIGHT FIXTURE IN VENDOR PROVIDED SOFFIT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
	5	E.C. SHALL PROVIDE DARK BRONZE RECEPTACLE COVER FOR PATIO FANS. E.C. SHALL INSTALL RECEPTACLE AT 6'-6" A.F.F.

INCORPORATED SPB - 2021_0501; 2021_0504; 2021_0506

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PROJECT NAME
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4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

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PROFESSIONAL SEAL

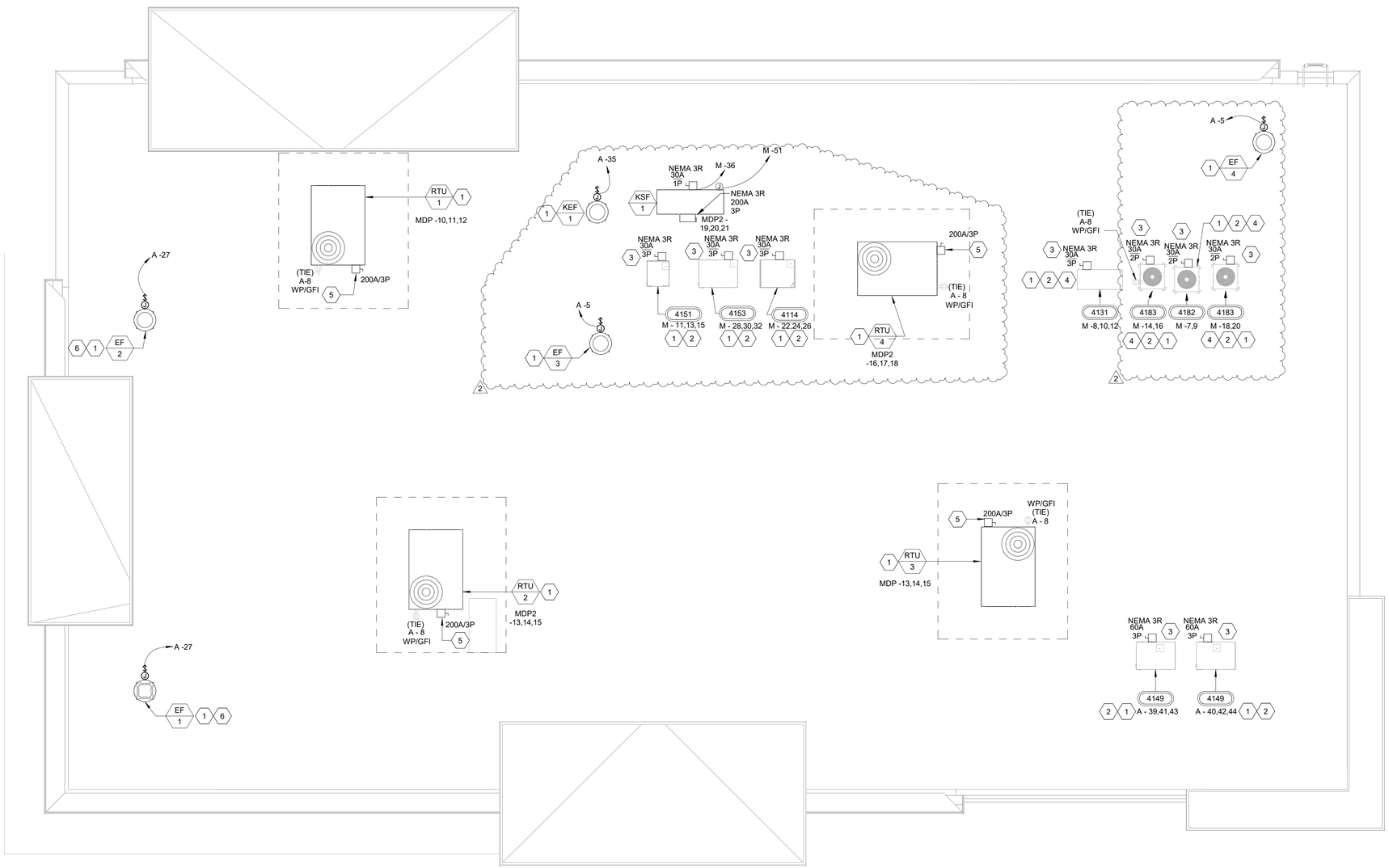
GEORGIA REGISTERED No. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER
05/12/2022

PROJECT NUMBER 63200243

SHEET TITLE
LIGHTING PLAN

SHEET NUMBER
E150

DEAN W. CHANDLER



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

GENERAL NOTES

1. DISCONNECTS FOR HVAC EQUIPMENT FURNISHED BY HVAC MANUFACTURER.
2. DISCONNECTS FOR REFRIGERATION EQUIPMENT PROVIDED BY EC.
3. RECEPTACLES SHOWN ON HVAC EQUIPMENT PROVIDED BY HVAC MANUFACTURER. WIRING TO THE RECEPTACLES 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 REFRIGERANT 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 RT.
4	CONDENSER TO BE FED FROM IT'S ASSOCIATED ICE MAKER ON SALES FLOOR.
5	ELECTRICAL CONTRACTOR TO INSTALL OWNER FURNISHED EXTERNAL MOUNTED FUSED DISCONNECT SWITCH. NEMA 3R, RK1, CURRENT LIMITING
6	EXHAUST FANS EF-1 & EF-2 SHALL BE CONTROLLED BY OCCUPANCY SENSOR IN RESTROOMS.

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05/12/2022

PROJECT NUMBER 63200243

SHEET TITLE

ROOF POWER PLANS

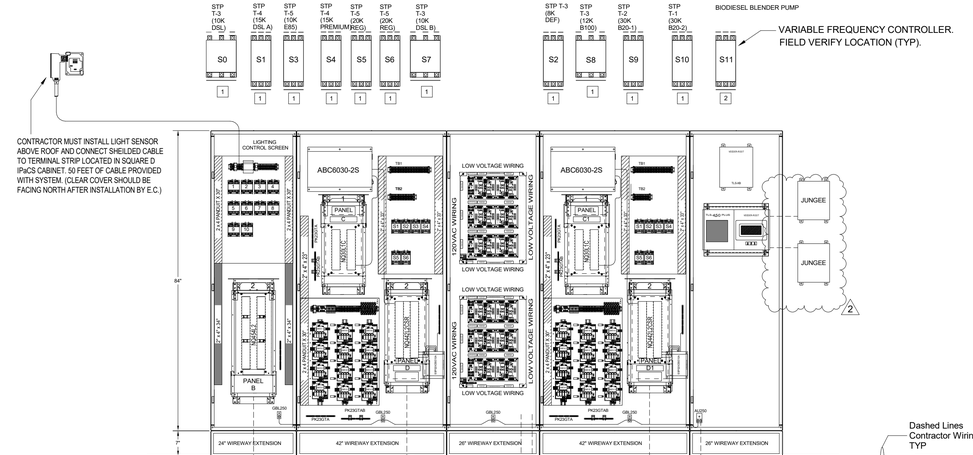
SHEET NUMBER

E200

DEAN W. CHANDLER

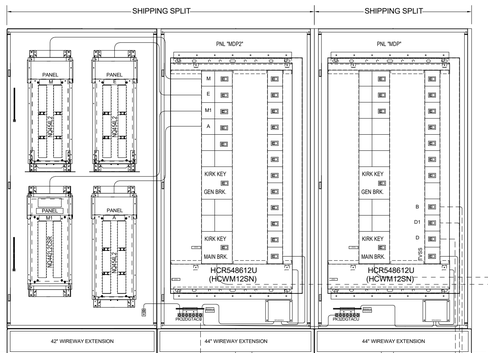
CABINET LAYOUT (INTERIOR)

OUTSIDE LIGHTING, DISPENSER, PUMP/CONTROLS

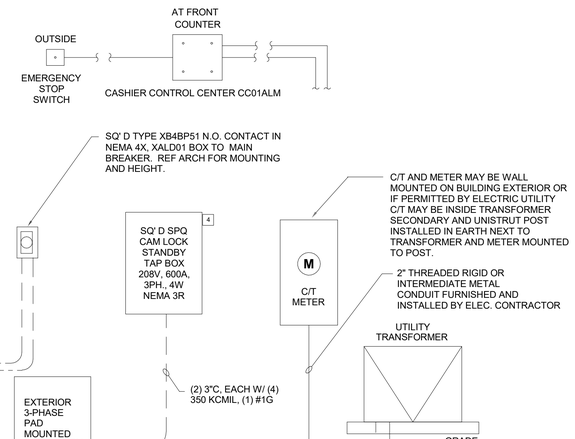


TYPICAL UNDERGROUND CONDUIT ENTRY LOCATIONS
(Conduits shown are typical. Actual requirements may vary)

CABINET LAYOUT (EXTERIOR)



(Conduits shown are typical. Actual requirements may vary)



2 ELECTRICAL SERVICE SCHEMATIC ELEVATION

1" = 1'-0"

FACTORY INSTALLED POWER CABLES

CONNECT TO	PHASE WIRE SIZE	QTY PER PHASE
PANEL-M (MLO) TO MDP2	3/0	1
PANEL-M1 (MLO) TO MDP2	3/0	1
PANEL-E (MLO) TO MDP2	3/0	1
PANEL-A (MLO) TO MDP2	3/0	1

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.

*** SPECIAL NOTE ***

WHEN BREAKER LOCKING DEVICES ARE FACTORY INSTALLED, THEY SHOULD BE INSTALLED WITH THE BREAKER IN THE "OFF" POSITION FOR SHIPMENT. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO REMOVE THE LOCKING DEVICE, ENERGIZE THE CIRCUIT, AND INSTALL THE LOCKING DEVICE IN THE "ON" POSITION AT THE JOBSITE.

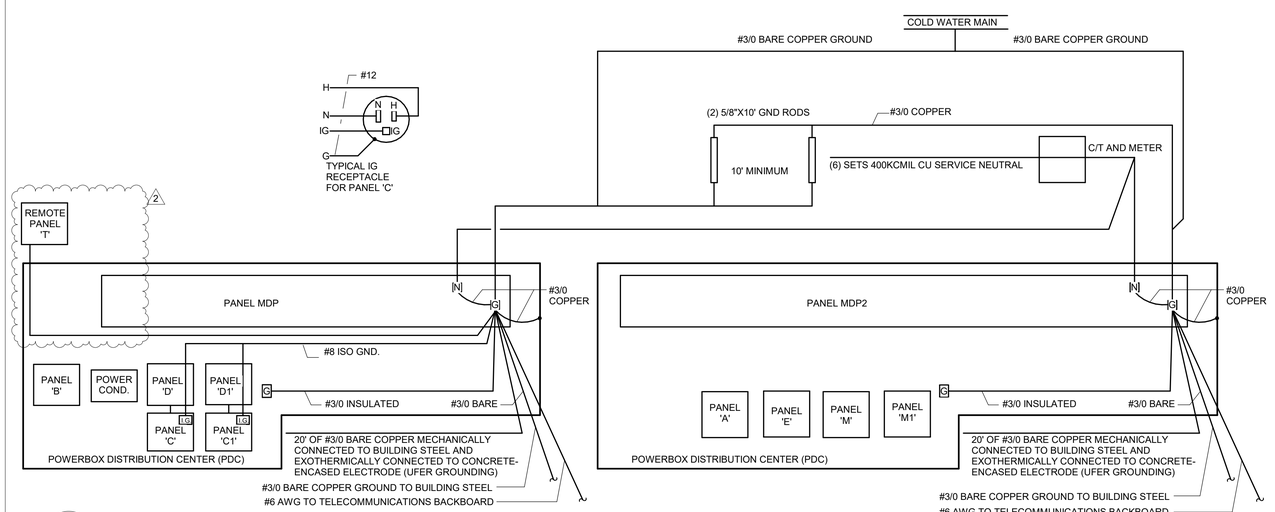
WIRING LEGEND

IPaCS FACTORY WIRING.
CONTRACTOR FIELD WIRING.

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

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 PANELS 'C' AND 'C1'. 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 PANELS 'D' AND 'D1' GROUND BAR.
13. CIRCUIT BREAKERS FOR FLOOR RECEPTACLES SHALL BE GFI.
14. ALL BRANCH CIRCUITS FOR PANELS 'C' AND 'C1' LOADS SHALL INCLUDE A GROUNDING CONDUCTOR AND AN ISOLATED GROUNDING CONDUCTOR, WHICH SHALL BE CONNECTED TO THE PANELS 'C' AND 'C1' ISOLATED GROUND 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 1000/3P MAIN BREAKER. PROVIDE WEATHERPROOF EMERGENCY REMOTE CUTOFF SWITCH KNOX #KS-2P SPST KEYED PER LOCAL FIRE DEPARTMENT REQUIREMENTS. POWER FROM CKT B-52. 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.

SHEET KEYNOTES

1 ROUTE (3) #10 AND (1) #10G IN 3/4" C. FROM PANEL 'D' AND 'D1' TO VARIABLE FREQUENCY CONTROLLER (VFC). ROUTE CONDUIT/WIRE FROM VFC TO SUBMERSIBLE TURBINE PUMP SIZED PER RACETRAC PROVIDED MDM TANK DRAWINGS.

2 ROUTE (3) #10 AND (1) #10G IN 3/4" C. FROM PANEL 'D1' TO VARIABLE FREQUENCY CONTNTOLLER (VFC). ROUTE CONDUIT/WIRE FROM VFC TO BLENDER PUMP.

3 USE OF ALUMINUM WIRE FOR THE SECONDARY SERVICE FROM THE TRANSFORMER TO THE MAIN DISTRIBUTION PANELS, IN ACCORDANCE TO NEC IS ACCEPTABLE.

4. THE PORTABLE ENGINE GENERATOR EQUIPMENT IS SIZED TO MAINTAIN TEMPORARY POWER TO STORE EQUIPMENT, PER NEC 702.4(B) (1). THE OWNER SHALL IMPLEMENT A LOAD SHEDDING SCHEDULE TO MANUALLY SELECT THE LOAD CONNECTED TO THE SYSTEM IN THE EVENT OF A POWER OUTAGE.

INCORPORATED SPB - 2021_0501

DEAN W. CHANDLER

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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RACETRAC STORE NUMBER

1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

PROJECT NUMBER 63200243

SHEET TITLE

ELECTRICAL RISER DIAGRAM

SHEET NUMBER

E410

Branch Panel: A

Location: ELECTRICAL CLOSET 109
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:

Notes:

NOTES	CKT	Load Name	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Load Name	CKT	NOTES
	1	FUTURE EMS SYSTEM	12	20 A	1	400	1846					1	20 A	12	SALES FLR/COFFEE BAR LTG	2	L
GB	3	AD DISPLAY'S	12	20 A	1			720	700			1	20 A	12	CIGARETTE DISPLAY #5016	4	
	5	EF-3 & EF-4	12	20 A	1					1056	801	1	20 A	10	COMMERCIAL DISPLAY #5006	6	
L	7	CASH WRAP/SALES FLR LIGHTING	10	20 A	1	1090	900					1	20 A	10	ROOF RECEPTACLES	8	
	9	BEVERAGE COOLER LIGHTING	12	20 A	1			416	430			1	20 A	12	CASHWRAP DAYLIGHTING	10	L
L	11	SALES FLR KITCHEN LIGHTING	12	20 A	1					258	200	1	20 A	12	INTERCOM CALL BOX #5024	12	
2	13	HIGH TOP TABLE POWER	12	20 A	1	360	750					1	20 A	12	PATIO FANS	14	GB 2
	15	LIGHTING, BOH & FREEZER	12	20 A	1			951	180			1	20 A	12	FLOOR CLNR RECEPT	16	
	17	FUTURE MARKETING SIGNAGE	12	20 A	1					360	560	1	20 A	12	MEN/WOMEN RR PWR CONVERTERS	18	EM
GB	19	EXTERIOR RECEPTS SEATING AREA 1	10	20 A	1	720	300					1	20 A	12	GLASS DISPLAY 1 #0108	20	
GB	21	EXTERIOR RECEPTS SEATING AREA 2	12	20 A	1			720	720			1	20 A	12	EXTERIOR BUILDING RECEPTACLES	22	
GB	23	EXTERIOR RECEPTS SEATING AREA 3	12	20 A	1					720	1200	1	20 A	10	EXT ICE MERCH FRONT #5044	24	GB
	25	IPAD CHARGING STATION #5093	12	20 A	1	360	1200					1	20 A	12	EXT ICE MERCH SIDE #5044	26	GB
EM, L	27	MENS RESTROOM LIGHTS AND EFS	8	20 A	1			1626	1725			1	20 A	10	HAND DRYER MEN'S RR	28	
2	29	AIR CURTAIN SIDE DOOR #5189	10	20 A	1					920	1725	1	20 A	8	HAND DRYER WOMEN'S RR	30	
	31	SEATING GAMING JB	12	20 A	1	828	400					1	20 A	12	INTERCOM CALL BOX #5024	32	
	33	SEATING USB RECEPTS	12	20 A	1			540	360			1	20 A	12	SEATING AREA WALL RECEPT	34	
	35	KITCHEN EXHAUST FAN	12	20 A	1					1068	920	1	20 A	10	AIR CURTAIN FRONT DOOR #5189	36	2
2 S	37	KITCHEN EXHAUST FAN SHUNT		20 A	1	0	920					1	20 A	10	AIR CURTAIN REAR DOOR #5189	38	
	39							3182	3182							40	
	41	NON-ALCH COOLER CONDENSER 1 #4149	8	40 A	3					3182	3182	3	40 A	8	NON-ALCH COOLER CONDENSER 2 #4149	42	
	43					3182	3182									44	
	45							2054	300			1	20 A	12	GLASS DISPLAY 2 #0108	46	
GB	47	HOT DISPLAY CASE #5179		20 A	2					2054	540	1	20 A	12	INSECT CONTROL	48	GB 2
2	49	AIR CURTAIN #5187	12	20 A	1	1560	380					1	20 A	10	WOMENS RESTROOM LGTS AND EFS	50	EM, L
--	51	SPACE	--	--	1			--	--			1	--	--	SPACE	52	--
--	53	SPACE	--	--	1					--	--	1	--	--	SPACE	54	--
				Tot Load:		17483 VA		17806 VA		17006 VA							
				Tot Amps:		146 A		149 A		142 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	5485 VA	100.00%	5485 VA		
Lighting	5940 VA	125.00%	7425 VA	**Total Conn. Load:**	52244 VA
Motor	720 VA	100.00%	720 VA	**Total Est. Demand:**	45619 VA
Other	600 VA	100.00%	600 VA	**Total Conn.:**	145 A
Power	7400 VA	100.00%	7400 VA	**Total Est. Demand:**	127 A
Receptacle	8381 VA	100.00%	8381 VA		
Kitchen Equipment	23202 VA	65.00%	15081 VA		
MISC EQUIP	1188 VA	100.00%	1188 VA		

Notes:

Branch Panel: B

Location: RECEIVING 106
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:

Notes:

NOTES	CKT	Load Name	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Load Name	CKT	NOTES
EM,***	1	TRAVEL CENTER CANOPY LIGHTS 1	12	20 A	1	657	1168					1	20 A	10	FUEL CANOPY LIGHTS 1	2	EM,***
EM,***	3	TRAVEL CENTER CANOPY LIGHTS 2	12	20 A	1			657	1168			1	20 A	10	FUEL CANOPY LIGHTS 2	4	EM,***
***	5	TRAVEL CENTER CANOPY SIGN A	12	20 A	1					360	1000	1	20 A	12	AIR/VAC	6	GB
***	7	TRAVEL CENTER CANOPY SIGN B	12	20 A	1	500	355					1	20 A	12	DECORATIVE POLE LIGHTS	8	***
EM,***	9	AREA LIGHTING - NORTH	10	20 A	2			244	610			2	20 A	10	AREA LIGHTING - SOUTH	10	EM,***
	11									244	610					12	
EM,***	13	AREA LIGHTING - WEST	10	20 A	2	976	228					1	20 A	12	TOWER LIGHTING	14	***
	15							976	228			1	20 A	12	ENTRY LIGHTING	16	EM,***
EM, ***	17	EXTERIOR BUILDING LIGHTS	12	20 A	1					244	1000	1	20 A	10	FRONT ENTRY CANOPY LOGO	18	***
GB	19	IRRIGATIONAL CONTROLLER	12	20 A	1	200	1000					1	20 A	12	PRICE SIGN 1	20	***
GB	21	OWS ALARM	12	20 A	1			360	--			1	--	--	SPACE 2	22	--
2 ***	23	REAR ENTRY CANOPY LOGO	12	20 A	1					1000	360	1	20 A	12	TRUCK SCALE	24	
***	25	PATIO ENTRY SIGN	10	20 A	1	1000	532					1	20 A	12	SEATING AREA CAN LIGHTS	26	***
***	27	SITE DIRECTIONAL SIGNS - NORTH	10	20 A	1			360	125			1	20 A	12	TOWER BANNER LIGHTING	28	***
***	29	SITE DIRECTIONAL SIGNS - SOUTH	10	20 A	1					360	720	1	20 A	12	FUEL CANOPY LED STRIPE	30	***
EM	31	TRUCK SCALE SUMP PUMP POWER	10	20 A	1	1404	720					1	20 A	12	TRAVEL CENTER LED STRIPE	32	***
	33	SPARE	--	20 A	1			0	0			1	20 A	--	SPARE	34	2
	35	SPARE	--	20 A	1					0	200	1	20 A	12	TRUCK SCALE INTERCOM	36	
	37	SPARE	--	20 A	1	0	--					1	--	--	SPACE	38	--
	39	SPARE	--	20 A	1			0	--			1	--	--	SPACE	40	--
	41	SPARE	--	20 A	1					0	--	1	--	--	SPACE	42	--
--	43	SPACE	--	--	1	--	--					1	--	--	SPACE	44	--
--	45	SPACE	--	--	1			--	--			1	--	--	SPACE	46	--
--	47	SPACE	--	--	1					--	--	1	--	--	SPACE	48	--
--	49	SPACE	--	--	1	--	--					1	--	--	SPACE	50	--
--	51	SPACE	--	--	1			--	0			1	20 A		MAIN SHUNT TRIP	52	L
--	53	SPACE	--	--	1					--	200	1	15 A	12	IPACS LIGHTING CONTROLS	54	L
				Tot Load:		8740 VA		4728 VA		6298 VA							
				Tot Amps:		75 A		39 A		54 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	14022 VA	125.00%	17527 VA		
Power	400 VA	100.00%	400 VA	**Total Conn. Load:**	19766 VA
MISC EQUIP	5344 VA	100.00%	5344 VA	**Total Est. Demand:**	23271 VA
				Total Conn.:	55 A
				Total Est. Demand:	65 A

Notes:

Branch Panel: C

Location: RECEIVING 106
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: 50 A
MCB Rating: ISOLATED GROUND

Notes:

Notes	CKT	Circuit Description	Wire Size	Trip	Poles	A		B		Poles	Trip	Wire Size	Circuit Description	CKT	Notes
EM	1	BILL SAFE #5007	12	20 A	1	360	360			1	20 A	12	LOTTO RECEPTACLE	2	
EM	3	RECEPTACLES/INTERCOM #5002	12	20 A	1			780	180	1	20 A	10	TRUCK SCALE FUEL DESK #1077	4	EM
EM	5	COMPUTER SYSTEM #5003	12	20 A	1	180	600			1	20 A	12	CASH WRAP RECEPTACLES	6	EM
EM	7	SECURITY MONITOR #5041	12	20 A	1			270	200	1	20 A	12	DATA RACK	8	EM, IG 2
EM	9	MONEY ORDER MACHINE #5099	12	20 A	1	300	100			1	20 A	12	FAX/PRINTER #5004	10	EM
EM	11	COIN SAFE #5001	12	20 A	1			180	360	1	20 A	12	DATA CLOSET RECEPTACLE	12	EM
EM, IG	13	GILBARCO CONSOLE RECEPTACLE	12	20 A	1	100	162			1	20 A	12	BOH SECURITY MONITOR #5041	14	EM
EM	15	SITE CAMERA FIBER OPTICS 1	12	20 A	1			360	180	1	20 A	12	SITE CAMERA FIBER OPTICS 2	16	EM 2
2	17	SPARE	--	20 A	1	0	0			1	20 A	--	SPARE	18	
--	19	SPACE	--	--	1			--	--	1	--	--	SPACE	20	--
--	21	SPACE	--	--	1	--	--			1	--	--	SPACE	22	--
--	23	SPACE	--	--	1			--	--	1	--	--	SPACE	24	--
--	25	SPACE	--	--	1	--	--			1	--	--	SPACE	26	--
--	27	SPACE	--	--	1			--	0	2	50 A	--	MAIN BREAKER	28	
--	29	SPACE	--	--	1	--	0							30	
				Total Load:		2162 VA		2510 VA							
				Total Amps:		21 A		24 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	200 VA	100.00%	200 VA		
Receptacle	4472 VA	100.00%	4472 VA	**Total Conn. Load:**	4672 VA
				Total Est. Demand:	4672 VA
				Total Conn.:	22 A
				Total Est. Demand:	22 A

Notes:

Branch Panel: C1

Location: RECEIVING 106
Supply From: D1
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: 50 A
MCB Rating: ISOLATED GROUND

Notes:

Notes	CKT	Circuit Description	Wire Size	Trip	Poles	A		B		Poles	Trip	Wire Size	Circuit Description	CKT	Notes
EM, IG	1	UPS #5012 - 1	12	20 A	1	200	200			1	20 A	12	UPS #5012 - 2	2	EM, IG
EM, IG	3	UPS #5012 - 3	12	20 A	1			200	200	1	20 A	12	UPS #5012 - 4	4	EM, IG
EM	5	SELF SERVE CHECKOUT 1 #5120	12	20 A	1	180	180			1	20 A	12	SELF SERVE CHECKOUT 2 #5120	6	EM, IG
EM	7	SELF SERVE CHECKOUT 3 #5120	12	20 A	1			180	200	1	20 A	12	UPS #5012 - 5	8	EM, IG
EM	9	VEEDER ROOT(TANK MONITOR) #5005	12	20 A	1	100	200			1	20 A	12	UPS #5012 - 6	10	EM, IG
EM	11	BATTERY BACKUP #5074 - 1	12	20 A	1			240	240	1	20 A	12	BATTERY BACKUP #5074 - 2	12	EM
EM	13	BATTERY BACKUP #5074 - 3	12	20 A	1	240	240			1	20 A	12	BATTERY BACKUP #5074 - 4	14	EM
EM	15	BATTERY BACKUP #5074 - 5	12	20 A	1			240	240	1	20 A	12	BATTERY BACKUP #5074 - 6	16	EM
	17	LOTTO MACHINE #5043	12	20 A	1	200	180			1	20 A	10	ATM #5029	18	GB,EM
	19	ITVM TERMINAL	12	20 A	1			180	0	1	20 A	--	SPARE	20	
2	21	TICKET VENDING MACHINE 5175	12	20 A	1	180	0			1	20 A	--	SPARE	22	
EM	23	HEADSET POWER	12	20 A	1			360	--	1	--	--	SPACE	24	--
--	25	SPACE	--	--	1	--	--			1	--	--	SPACE	26	--
--	27	SPACE	--	--	1			--	0	2	50 A		MAIN BREAKER	28	
--	29	SPACE	--	--	1	--	0							30	
				Total Load:		2100 VA		2280 VA							
				Total Amps:		20 A		22 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	540 VA	100.00%	540 VA		
Receptacle	3840 VA	100.00%	3840 VA	**Total Conn. Load:**	4380 VA
				Total Est. Demand:	4380 VA
				Total Conn.:	21 A
				Total Est. Demand:	21 A

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.

S - INTEGRAL SHUNT-TRIP CIRCUIT BREAKER.

GB - CIRCUIT REQUIRES A GROUND FAULT (GFCI) BREAKER.

GBE - CIRCUIT REQUIRES A EQUIPMENT GROUND FAULT (GFCI) BREAKER (30ma).

GR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE.

EM - (ADJACENT TO PANEL CIRCUIT NUMBERS) DENOTES EACH CIRCUIT THAT SHALL BE OPERATIONAL WHEN THE GENERATOR IS IN USE. ALL OTHER CIRCUIT BREAKERS SHALL BE SWITCHED "OFF", AND THE PANEL DOORS SHALL BE CLOSED AND LOCKED.

-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.

INCORPORATED SPB - 2021_0501; 2021 _0502; 2021_0504; 2021_0506

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EXPIRES 6/30/2022

PROJECT MANAGER:
AH

CHECKED BY:
DC

DRAWN BY:
BR

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

RaceTrac.
RACETRAC, INC.
200 GALLERIA PARKWAY SOUTHEAST
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PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER

1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE

ELECTRICAL PANEL SCHEDULES

SHEET NUMBER

E430

DEAN W. CHANDLER

Branch Panel: D

Location: ELECTRICAL CLOSET 109 | **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:**

Notes:

Notes	CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT	Notes
	1					2162	841									2	
P,EM	3	PANEL 'C' (VIA POWER CONDITIONER)	6	50 A	2			2510	841			3	20 A	10	STP - DIESEL A (2 HP)	4	D,M,E M
P,L	5	iPAC DISPENSER CONTROLS	12	15 A	1					200	841					6	
D,EM	7	MPD-1	12	20 A	1	1000	1801									8	
D,EM	9	MPD-2	12	20 A	1			1000	1801			3	30 A	10	STP - DIESEL B (4HP)	10	D,M,E M
D,EM	11	MPD-3	12	20 A	1					1000	1801					12	
D,EM	13	MPD-4	12	20 A	1	1000	1801									14	
D,EM	15	MPD-5	12	20 A	1			1000	1801			3	30 A	10	STP - REGULAR #1 (4 HP)	16	D,M,E M
D,EM	17	MPD-6	12	20 A	1					1000	1801					18	
D,EM	19	MPD-7	12	20 A	1	1000	1801									20	
D,EM	21	MPD-8	12	20 A	1			1000	1801			3	30 A	10	STP - REGULAR #2 (4 HP)	22	D,M,E M
	23	SPARE	--	20 A	1					0	1801					24	
2	25	SPARE	--	20 A	1	0	--					1	--	--	SPACE	26	--
	27							841	--			1	--	--	SPACE	28	--
D,M,E M	29	STP - E85 (2 HP)	10	20 A	3					841	--	1	--	--	SPACE	30	--
	31					841	--					1	--	--	SPACE	32	--
	33							841	--			1	--	--	SPACE	34	--
D,M,E M	35	STP - PREMIUM (2 HP)	10	20 A	3					841	--	1	--	--	SPACE	36	--
	37					841	0									38	
2	39	SPARE	--	20 A	1			0	0			3	30 A	--	SPD	40	
	41	SPARE	--	20 A	1					0	0					42	
				Tot Load:		13088 VA		13436 VA		10126 VA							
				Tot Amps:		113 A		116 A		84 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	32179 VA	100.00%	32179 VA		
Receptacle	4472 VA	100.00%	4472 VA	**Total Conn. Load:**	36651 VA
				Total Est. Demand:	36651 VA
				Total Conn.:	102 A
				Total Est. Demand:	102 A

Notes:

Branch Panel: D1

Location: ELECTRICAL CLOSET 109 | **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:**

Notes:

Notes	CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT	Notes
	1					2100	841									2	
P,EM	3	PANEL 'C1' (VIA POWER CONDITIONER)	6	50 A	2			2280	841			3	20 A	10	STP - B100-2 (2HP)	4	D,M,E M
	5	SPARE	--	20 A	1					0	841					6	
D,EM	7	TC MPD-1	12	20 A	1	1000	1801									8	
D,EM	9	TC MPD-2	12	20 A	1			1000	1801			3	30 A	10	STP - B20-1 (4HP)	10	D,M,E M
D,EM	11	TC MPD-3	12	20 A	1					1000	1801					12	
D,EM	13	TC MDP-4	12	20 A	1	1000	1801									14	
D,EM	15	TC MDP-5	12	20 A	1			1000	1801			3	30 A	10	STP - B20-2 (4HP)	16	D,M,E M
D,EM	17	TC MDP-6	12	20 A	1					1000	1801					18	
D,EM	19	TC MDP-7	12	20 A	1	1000	841									20	
	21	SPARE	--	20 A	1			0	841			3	20 A	10	STP - DEF (2 HP)	22	D,M,E M
	23	SPARE	--	20 A	1					0	841					24	
	25	SPARE	--	20 A	1	0	--					1	--	--	SPACE	26	--
	27	SPARE	--	20 A	1			0	--			1	--	--	SPACE	28	--
	29	SPARE	--	20 A	1					0	--	1	--	--	SPACE	30	--
	31	SPARE	--	20 A	1	0	--					1	--	--	SPACE	32	--
	33	SPARE	--	20 A	1			0	600			1	20 A	12	BIO BLENDING SYSTEM 1 #5109	34	EM
	35	SPARE	--	20 A	1					0	600	1	20 A	12	BIO BLENDING SYSTEM 2 #5109	36	EM
--	37	SPACE	--	--	1	--	0									38	
--	39	SPACE	--	--	1			--	0			3	30 A	10	SPD	40	
--	41	SPACE	--	--	1					--	0					42	
				Tot Load:		10385 VA		10165 VA		7885 VA							
				Tot Amps:		89 A		88 A		66 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	540 VA	100.00%	540 VA		
Power	22854 VA	100.00%	22854 VA	**Total Conn. Load:**	28434 VA
Receptacle	5040 VA	100.00%	5040 VA	**Total Est. Demand:**	28434 VA
				Total Conn.:	79 A
				Total Est. Demand:	79 A

Notes:

Branch Panel: E

Location: ELECTRICAL CLOSET 109 | **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:**

Notes:

NOTES	CKT	Load Name	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Load Name	CKT	NOTES
	1					1248	720									2	
GB	3	SOFT SERVE FREEZERS 1 #4025	12	20 A	2			1248	1664			2	20 A	12	HOLDING CABINET #5069	4	GB
	5									1248	1664					6	
GB	7	SOFT SERVE FREEZERS 2 #4025	12	20 A	2	1248	480					1	20 A	12	COLD PAN (COFFEE PREP) #5034	8	
	9							1248	460			1	20 A	12	DATA CLOSET RECEPTACLE 1	10	EM
GB	11	SOFT SERVE FREEZERS 3 #4025	12	20 A	2					1248	460	1	20 A	12	DATA CLOSET RECEPTACLE 2	12	EM
	13					1248	288					1	20 A	12	48-INCH WORKTOP FREEZER #5159 1	14	GB
GB	15	SOFT SERVE FREEZERS 4 #4025	12	20 A	2			1248	288			1	20 A	12	48-INCH WORKTOP FREEZER #5159 2	16	GB
EM, GB	17	BULLET IMPULSE COOLER #4065	12	20 A	1					200	60	1	20 A	12	HWRP (RP)	18	
GB	19	10 HEAD SODA FTN 1 #3004	12	20 A	1	420	1535					1	20 A	10	ROLLER GRILL 1 #5025	20	GB
GB	21	REFRIGERATOR #5136	12	20 A	1			528	1535			1	20 A	10	ROLLER GRILL 2 #5025	22	GB
GB	23	10 HEAD SODA FTN 3 #3004	12	20 A	1					420	1535	1	20 A	10	ROLLER GRILL 3 #5025	24	GB
GB	25	WORKTOP COOLER #5151	12	20 A	1	780	1535					1	20 A	10	ROLLER GRILL 4 #5025	26	GB
GB	27	YOGURT #5048	12	20 A	1			480	480			1	20 A	12	BUN WARMER 2 #5027	28	GB
GB	29	BOILED PEANUTS 1 #5040	10	20 A	1					825	420	1	20 A	12	10 HEAD SODA FTN 2 #3004	30	GB
	31	MTO MEASURING SCALE #5078	12	20 A	1	120	180					1	20 A	12	FOOD LABEL PRINTER 1 #5203	32	GB
	33	CANDY ISLAND. #5128	12	20 A	1			300	2124			1	25 A	10	MICROWAVE OVEN 1 #5026	34	GB
	35	HOT DOG ISLAND #5019	12	20 A	1					480	2124	1	25 A	8	MICROWAVE OVEN 2 #5026	36	GB
GB	37	WORKTOP FREEZER #5148	12	20 A	1	780	5360					2	50 A	6	DOUBLE BATCH OVEN 1 #5084	38	GB
EM	39	DATA CLOSET RECEPTACLE 3	12	20 A	1			180	5360							40	
GB	41	CHILI CHEESE WITH CHIP RACK #5028	10	20 A	1					200	5360	2	50 A	6	DOUBLE BATCH OVEN 2 #5084	42	GB
	43	SINGLE DOOR WINE COOLER #5083	12	20 A	1	444	5360									44	
GB	45	PIZZA PREP TABLE #5067	12	20 A	1			1116	480			1	20 A	12	BUN WARMER 1 #5027	46	GB
GB	47	BOILED PEANUTS 2 #5040	10	20 A	1					825	180	1	20 A	12	FOOD LABEL PRINTER 2 #5203	48	GB
GB	49	REFRIGERATOR #4033	12	20 A	1	1104	0					1	20 A	--	SPARE	50	
	51	SPARE	--	20 A	1			0	0			1	20 A	--	SPARE	52	
	53	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	54	
				Tot Load:		22850 VA		18739 VA		17249 VA							
				Tot Amps:		192 A		158 A		144 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	720 VA	100.00%	720 VA		
Power	300 VA	100.00%	300 VA	**Total Conn. Load:**	58838 VA
Receptacle	3176 VA	100.00%	3176 VA	**Total Est. Demand:**	39734 VA
Kitchen Equipment	54582 VA	65.00%	35478 VA	**Total Conn.:**	163 A
MOTORS	60 VA	100.00%	60 VA	**Total Est. Demand:**	110 A

Notes:

Branch Panel: M

Location: | **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:**

Notes:

NOTES	CKT	Load Name	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Load Name	CKT	NOTES
	1					2150	2150									2	
GB	3	COMBI OVEN 1 #3011	10	30 A	3			2150	2150			3	30 A	10	COMBI OVEN 2 #3011	4	GB
	5									2150	2150					6	
2	7	ICE MAKER REMOTE CONDENSER (CUBED) #4182	12	20 A	2	47	2762									8	
2	9							47	2762			3	20 A	12	YOGURT CHILLER PAK #4131	10	
	11									1801	2762					12	
	13	BULLET IMPULSE COOLER CONDENSER #4151	12	15 A	3	1801	47					2	20 A	12	ICE MAKER REMOTE CONDENSER (CRUSHED) #4183-1	14	
	15							1801	47							16	
	17	WALK-IN EVAPORATOR 1 #4150	12	20 A	1					302	47	2	20 A	12	ICE MAKER REMOTE CONDENSER (CRUSHED) #4183-2	18	
	19	WALK-IN EVAPORATOR 2 #4150	12	20 A	1	302	47									20	2
	21	WALK-IN EVAPORATOR 3 #4150	12	20 A	1			302	2882							22	
	23	WALK-IN EVAPORATOR 4 #4150	12	20 A	1					302	2882	3	30 A	10	WALK-IN COOLER CONDENSER #4114	24	
	25	WALK-IN EVAPORATOR #4152	12	20 A	1	74	2882									26	
	27	OIL TANK EQUIPMENT #5196	12	20 A	1			420	2402							28	
2	GB	29 GRANITA MACHINE 1 #3007	12	20 A	1					1440	2402	3	30 A	10	WALK-IN COOLER CONDENSER #4153	30	
2	31											2				32	
	GB	33 THAWING CABINET 1 #4138	12	20 A	2	780	2402									34	
2	GB	35 BREADING TABLE #5183	12	20 A	1			780	360			1	30 A	12	FRYER HOOD CNTRLS & LIGHTS	36	2
	37	COOLER DISPLAY DOOR #4001	12	20 A	1					1140	1920	1	30 A	10	KITCHEN SUPPLY FAN (KSF-1)	38	S
GBE, L	39	HEAT TRACE	12	20 A	1	180	0					1	20 A		KSF-1 SHUNT	40	
GB	41	WORKTOP COOLER #5165	12	20 A	1			500	1633							42	
2	GB	43 BEVERAGE AIR CENTER #5021	12	20 A	1	696	1440			300	1633	2	20 A	12	FREEZER EVAPORATOR #4154		2
GB	45	POST MIX SODA MACHINE 1 #3005	12	20 A	1			1752	790			1	20 A	12	GRANITA MACHINE 2 #3007	44	GB
GB	47	POST MIX SODA MACHINE 2 #3005	12	20 A	1					1752	200	1	20 A	12	COUNTERTOP HEATED SHELF #5150 2	46	GB
GB	49	POST MIX SODA MACHINE 3 #3005	12	20 A	1	1752	780					2	20 A	12	BEER CAVE DOOR	48	GB
2	51	KSF CONTROLS	12	15 A	1			500	780						FUTURE THAWING CABINET #4138	50	GB
--	53	SPACE	--	--	1					--	--	1	--	--	SPACE	52	
				Tot Load:		20292 VA		22058 VA		23183 VA						54	-- 2
				Tot Amps:		169 A		186 A		195 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2616 VA	100.00%	2616 VA		
Motor	360 VA	100.00%	360 VA	**Total Conn. Load:**	65532 VA
Other	3980 VA	100.00%	3980 VA	**Total Est. Demand:**	45514 VA
Receptacle	880 VA	100.00%	880 VA	**Total Conn.:**	182 A
Kitchen Equipment	57197 VA	65.00%	37178 VA	**Total Est. Demand:**	126 A
MISC EQUIP	500 VA	100.00%	500 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.

S - INTEGRAL SHUNT-TRIP CIRCUIT BREAKER.

GB - CIRCUIT REQUIRES A GROUND FAULT (GFCI) BREAKER.

GBE - CIRCUIT REQUIRES A EQUIPMENT GROUND FAULT (GFCI) BREAKER (30ma).

GR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE.

EM - (ADJACENT TO PANEL CIRCUIT NUMBERS) DENOTES EACH CIRCUIT THAT SHALL BE OPERATIONAL WHEN THE GENERATOR IS IN USE. ALL OTHER CIRCUIT BREAKERS SHALL BE SWITCHED "OFF", AND THE PANEL DOORS SHALL BE CLOSED AND LOCKED.

-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.

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504; 2021_0506

DEAN W. CHANDLER

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EXPIRES 6/30/2022

PROJECT MANAGER: AH
CHECKED BY: DC
DRAWN BY: BR

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE
ELECTRICAL PANEL SCHEDULES

SHEET NUMBER
E431

Branch Panel: M1

Location:
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:

Notes:

Notes	CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT	Notes
GB	1	FCB VIPER #3014 L	10	30 A	2	2000 2080			2	20 A	12	BEAN TO CUP MACHINE 1 #3017	2	
	3						2000 2080						4	GB
GB	5	FCB VIPER #3014 R	10	30 A	2			2000 2080	2	20 A	12	BEAN TO CUP MACHINE 2 #3017	6	
	7					2000 2080							8	GB
GB	9	ICE MAKER #4181 (CUBED)	12	20 A	2		1279 2080		2	20 A	12	BEAN TO CUP MACHINE 3 #3017	10	
	11							1279 2080					12	GB
GB	13	ICE MAKER (CRUSHED) - 1 #4013	12	20 A	2	1591 2080			2	20 A	12	BEAN TO CUP MACHINE 4 #3017	14	
	15						1591 2080						16	GB
GB	17	ICE MAKER(CRUSHED) - 2 #4013	12	20 A	2			1591 2080	2	20 A	12	BEAN TO CUP MACHINE 1 #3022	18	
	19					1591 2080							20	GB
GB	21	HOT PLATE (HATCO) # 5185-1	12	20 A	1		1560 2080		2	20 A	12	BEAN TO CUP MACHINE 2 #3022	22	
GB	23	HOT PLATE (HATCO) #5185-2	12	20 A	1			1560 2080					24	GB
2 25		SINGLE FOOD WARMER #5059	12	20 A	1	420 588			1	20 A	12	GLASS DOOR FREEZER #5060	26	
GB	27	TEA BREWER 1 #3033	10	20 A	1		1680 145		1	20 A	12	PASTRY CASE #5158	28	GB
GB	29	TEA BREWER 2 #3033	10	20 A	1			1680 1104	1	20 A	12	TWO DOOR REFRIGERATOR #4033	30	GB
GB	31	HOT CASE #5179	10	20 A	2	2054 1800			1	20 A	12	CAPPUCCINO DISPENSER #3008	32	GB
	33						2054 1800		1	20 A	10	VERTICAL OPE DISPLAY CASE 1 #5115	34	GB
GB	35	INFRARED STRIP HEATER #5210-1	12	20 A	2			1550 1800	1	20 A	10	VERTICAL OPE DISPLAY CASE 2 #5115	36	GB
	37					1550 1550			2	20 A	12	INFRARED STRIP HEATER #5210-2	38	
GB	39	INFRARED STRIP HEATER #5210-3	12	20 A	2		250 1550						40	GB
	41							250 0	1	20 A	--	SPARE	42	
2				**Total Load:**		23464 VA	22229 VA	21134 VA						
				Total...		197 A	187 A	176 A						

Lege...

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	3600 VA	100.00%	3600 VA		
Receptacle	8320 VA	100.00%	8320 VA	**Total Conn. Load:**	66828 VA
Kitchen Equipment	54908 VA	65.00%	35690 VA	**Total Est. Demand:**	47610 VA
				Total Conn.:	185 A
				Total Est. Demand:	132 A

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.

2 **S** - INTEGRAL SHUNT-TRIP CIRCUIT BREAKER.

GB - CIRCUIT REQUIRES A GROUND FAULT (GFCI) BREAKER.

GBE - CIRCUIT REQUIRES A EQUIPMENT GROUND FAULT (GFCI) BREAKER (30ma).

GR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE.

EM - (ADJACENT TO PANEL CIRCUIT NUMBERS) DENOTES EACH CIRCUIT THAT SHALL BE OPERATIONAL WHEN THE GENERATOR IS IN USE. ALL OTHER CIRCUIT BREAKERS SHALL BE SWITCHED "OFF", AND THE PANEL DOORS SHALL BE CLOSED AND LOCKED.

-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.

MAIN DISTRIBUTION PANEL: MDP

Location: ELECTRICAL CLOSET 109
Supply From:
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phase... 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MCB 100% RATED
Mains Rating: 1000 A
MCB Rating:

Notes	CKT	Circuit Description	Circuit Information	Trip	Poles	Wire Size	A	B	C
	1						10385 VA		
P	2	PANEL D1	4#3/0, & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3	3/0		10165 VA	
	3								7885 VA
	4						8740 VA		
P	5	PANEL B	4#3/0, & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3	3/0		4728 VA	
	6								6298 VA
	7						13088 VA		
P	8	PANEL D	4#3/0, & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3	3/0		13436 VA	
	9								10126 VA
	10						14891 VA		
	11	RTU-1	3 #1, & 1 #6 GND., IN 1-1/4" CONDUIT	125 A	3	1		14891 VA	
	12								14891 VA
	13						14891 VA		
	14	RTU-3	3 #1, & 1 #6 GND., IN 1-1/4" CONDUIT	125 A	3	1		14891 VA	
	15								14891 VA
	16						6004 VA		
	17	WATER HEATER #3013	4#4, & 1#10GND., IN 1' CONDUIT	70 A	3	6		6004 VA	
	18								6004 VA
	19						5667 VA		
GB	20	FRYER 1 - #5139	3#6, & 1#10GND., IN 3/4" CONDUIT, WIRE THROUGH SHUNT TRIP CONTACTOR AT HOOD.	60 A	3	6		5667 VA	
	21								5667 VA
	22						5667 VA		
GB	23	FRYER 2 - #5139	3#6, & 1#10GND., IN 3/4" CONDUIT, WIRE THROUGH SHUNT TRIP CONTACTOR AT HOOD.	60 A	3	6		5667 VA	
	24								5667 VA
	25						5667 VA		
GB	26	FRYER 3 - #5139	3#6, & 1#10GND., IN 3/4" CONDUIT, WIRE THROUGH SHUNT TRIP CONTACTOR AT HOOD.	60 A	3	6		5667 VA	
2	27								5667 VA
	28						3218 VA		
	29	PANEL T	4#4, & 1#10GND., IN 3/4" CONDUIT	60 A	3	4		3191 VA	
2	30								3500 VA
--	31	SPACE		--	1	--	--		
--	32	SPACE		--	1	--		--	
--	33	SPACE		--	1	--			--
--	34	SPACE		--	1	--	--		
--	35	SPACE		--	1	--		--	
--	36	SPACE		--	1	--			--
--	37	SPACE		--	1	--	--		
--	38	SPACE		--	1	--		--	
--	39	SPACE		--	1	--			--
--	40	SPACE		--	1	--	--		
--	41	SPACE		--	1	--		--	
--	42	SPACE		--	1	--			--
	43						3483 VA		
	44	LIFT STATION	3#6, & 1#8GND, IN 1" CONDUIT	60 A	3	3		3483 VA	
	45								3483 VA
	46						0 VA		
	47	GENERATOR CONNECTION BOX	(2) SETS 4#350KCMIL, & 1#2/0GND., IN 3" CONDUIT (KIRK KEY INTERLOCK)	600 A	3	-		0 VA	
	48								0 VA
	49						0 VA		
	50	MAIN BREAKER	REFER TO ELETRICAL SERVICE SCHEMATIC ELEVATION FOR SERVICE CONDUCTORS	1000 A	3	--		0 VA	
	51								0 VA
	52						0 VA		
	53	TVSS	3#10, & 1#10GND., IN 3/4" CONDUIT	30 A	3	--		0 VA	
	54								0 VA
				Total Load:			91700 VA	87789 VA	84078 VA
				Total Amps:			769 A	736 A	701 A

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	107359 VA	100.00%	107359 VA		
Lighting	14277 VA	125.00%	17846 VA	**Total Conn. Load:**	263568 VA
Other	540 VA	100.00%	540 VA	**Total Est. Demand:**	249261 VA
Power	55433 VA	100.00%	55433 VA	**Total Conn. Current:**	732 A
Receptacle	10052 VA	99.74%	10026 VA	**Total Est. Demand Current:**	692 A
Kitchen Equipment	51000 VA	65.00%	33150 VA		
MISC EQUIP	14458 VA	100.00%	14458 VA		
MOTORS	10449 VA	100.00%	10449 VA		

Notes:

MAIN DISTRIBUTION PANEL: MDP2

Location: ELECTRICAL CLOSET 109
Supply From:
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phase... 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB 100% RATED
Mains Rating: 1000 A
MCB Rating:

Notes	CKT	Circuit Description	Circuit Information	Trip	Poles	Wire Size	A	B	C
	1						20292 VA		
P	2	PANEL M	4#3/0, & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3	3/0		22058 VA	
	3								23183 VA
	4						22850 VA		
P	5	PANEL E	4#3/0, & 1#6GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3	3/0		18739 VA	
	6								17249 VA
	7						23464 VA		
P	8	PANEL M1	4#3/0, & 1#6 GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3	3/0		22229 VA	
	9								21134 VA
	10						17483 VA		
P	11	PANEL A	4#3/0, & 1#6 GND., INTERNALLY PRE-WIRED FACTORY INSTALLED	200 A	3	3/0		17806 VA	
	12								17006 VA
	13						14891 VA		
	14	RTU-2	3 #1, & 1 #6 GND., IN 1-1/4" CONDUIT	125 A	3	1		14891 VA	
	15								14891 VA
	16						14891 VA		
	17	RTU-4	3 #1, & 1 #6 GND., IN 1-1/4" CONDUIT	125 A	3	1		14891 VA	
	18								14891 VA
	19						5776 VA		
	20	KSF-1 HEATER	3 #3, & 1 #6 GND., IN 1-1/4" CONDUIT	90 A	3	6		5776 VA	
2	21								5776 VA
--	22	SPACE		--	1	--	--		
--	23	SPACE		--	1	--		--	
--	24	SPACE		--	1	--			--
--	25	SPACE		--	1	--	--		
--	26	SPACE		--	1	--		--	
--	27	SPACE		--	1	--			--
--	28	SPACE		--	1	--	--		
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--	42	SPACE		--	1	--			--
--	43	SPACE		--	1	--	--		
--	44	SPACE		--	1	--		--	
--	45	SPACE		--	1	--			--
	46						0 VA		
	47	GENERATOR CONNECTION BOX	(2) SETS 4#350KCMIL, & 1#2/0GND., IN 3" CONDUIT (KIRK KEY INTERLOCK)	600 A	3			0 VA	
	48								0 VA
	49						0 VA		
	50	MAIN BREAKER	REFER TO ELECTRICAL SERVICE SCHEMATIC ELEVATION FOR SERVICE CONDUCTORS	1000 A	3			0 VA	
	51								0 VA
	52						0 VA		
	53	TVSS	3#10, & 1#10GND., IN 3/4" CONDUIT	30 A	3			0 VA	
	54								0 VA
				Total Load:			119627 VA	116390 VA	114046 VA
				Total Amps:			1000 A	973 A	950 A

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	96741 VA	100.00%	96741 VA		
Lighting	5940 VA	125.00%	7425 VA	**Total Conn. Load:**	350055 VA
Motor	1080 VA	100.00%	1080 VA	**Total Est. Demand:**	273639 VA
Other	8900 VA	100.00%	8900 VA	**Total Conn. Current:**	972 A
Power	7700 VA	100.00%	7700 VA	**Total Est. Demand Current:**	760 A
Receptacle	20757 VA	74.09%	15379 VA		
Kitchen Equipment	207218 VA	65.00%	134691 VA		
MISC EQUIP	1688 VA	100.00%	1688 VA		
MOTORS	60 VA	100.00%	60 VA		

Notes:

INCORPORATED SPB - 2021_0501; 2021_0502; 2021_0504

DEAN W. CHANDLER

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DESIGN PROFESSIONALS

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WWW.HENDERSONENGINEERS.COM
2050004273
GA. CORPORATE NO. PEF002734
EXPIRES 6/30/2022

PROJECT MANAGER:
AH
CHECKED BY:
DC
DRAWN BY:
BR

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

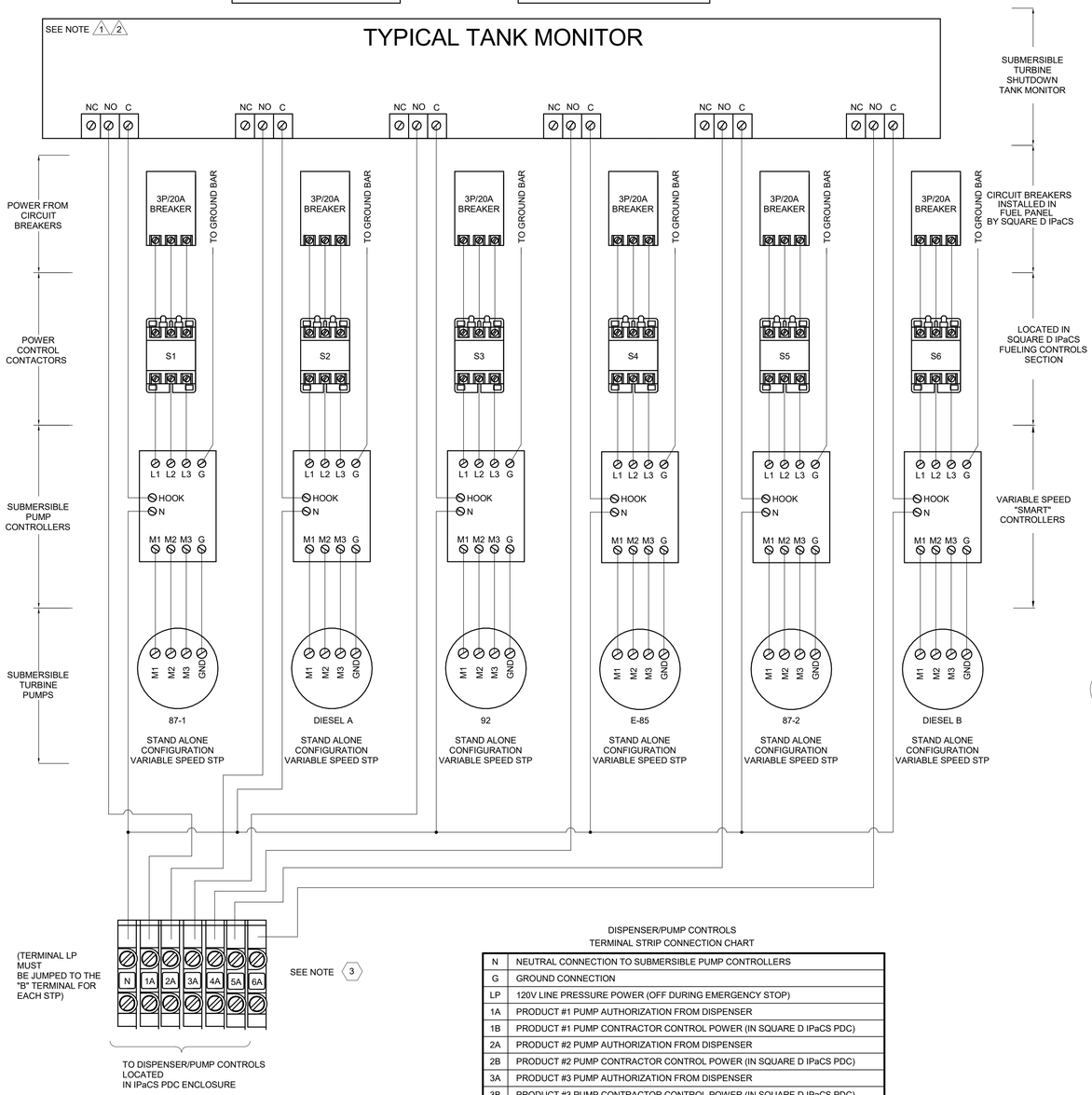
PROJECT NUMBER
63200243

SHEET TITLE
ELECTRICAL PANEL SCHEDULES

SHEET NUMBER
E432

PRESSURIZED LINE LEAK DETECTION

VARIABLE SPEED "SMART" CONTROLLERS



DISPENSER/PUMP CONTROLS
TERMINAL STRIP CONNECTION CHART

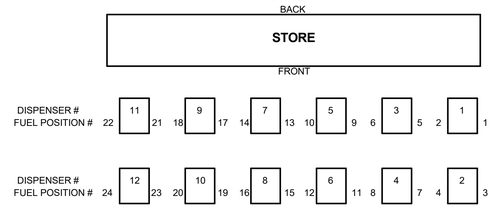
N	NEUTRAL CONNECTION TO SUBMERSIBLE PUMP CONTROLLERS
G	GROUND CONNECTION
LP	120V LINE PRESSURE POWER (OFF DURING EMERGENCY STOP)
1A	PRODUCT #1 PUMP AUTHORIZATION FROM DISPENSER
1B	PRODUCT #1 PUMP CONTRACTOR CONTROL POWER (IN SQUARE D IPaCS PDC)
2A	PRODUCT #2 PUMP AUTHORIZATION FROM DISPENSER
2B	PRODUCT #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.

2 TANK MONITOR/LINE PRESSURE OPTION WITH VARIABLE SPEED "SMART" CONTROLLER
N.T.S.

DISPENSER NUMBERING STANDARD (MAIN)



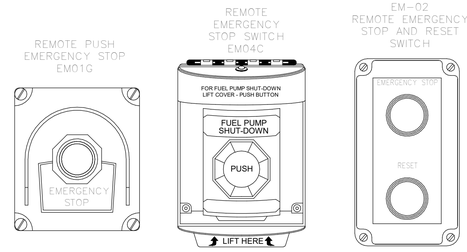
DISPENSER WIRING STANDARD TABLE

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

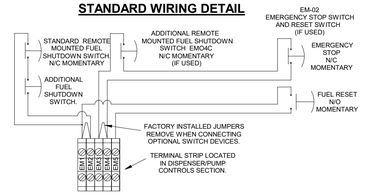
SUBMERSIBLE PUMP NUMBERING STANDARD

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	"DIESEL B" Submersible Pump

3 DISPENSER & PUMP NUMBERING & WIRING STANDARD
N.T.S.



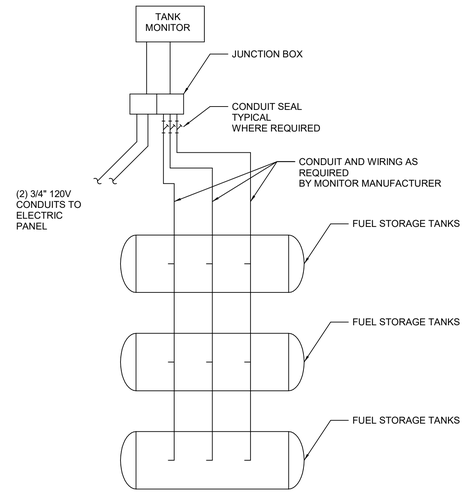
STANDARD WIRING DETAIL



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.

4 EMERGENCY STOP SWITCH WIRING DETAIL
N.T.S.



1 TANK MONITORING SCHEMATIC DIAGRAM
N.T.S.

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DESIGN PROFESSIONALS

PROJECT MANAGER: AH

CHECKED BY: DC

DRAWN BY: BR

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294

4443 OLD DUNN COURT

RACETRAC STORE NUMBER

1478

PROTOTYPE SERIES

2021 LH MO 0507

PLAN MODIFICATION NOTICE

SPB NO. 0507 **DATE** 12/08/21

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

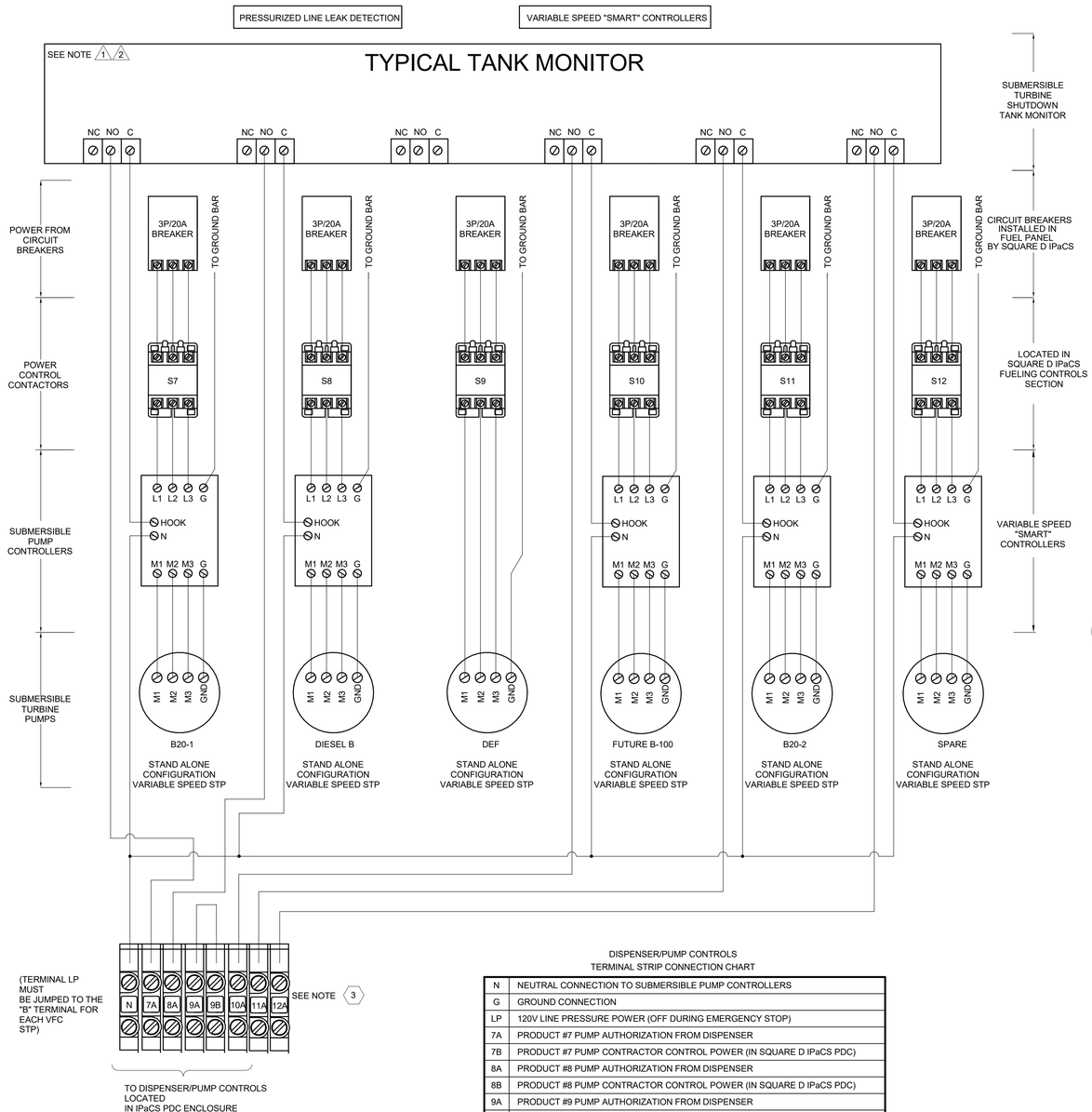
PROJECT NUMBER 63200243

SHEET TITLE

CONTROL DIAGRAMS

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.

2 TANK MONITOR/LINE PRESSURE OPTION WITH VARIABLE SPEED "SMART" CONTROLLER
1/4" = 1'-0"



DISPENSER NUMBERING STANDARD

BACK

STORE

FRONT

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
Pump #7	"B20-1" Submersible Pump
Pump #8	"DIESEL B" Submersible Pump
Pump #9	"DEF" Submersible Pump
Pump #10	"FUTURE B-100" Submersible Pump
Pump #11	"B20-2" Submersible Pump
Pump #12	"SPARE" Submersible Pump

3 DISPENSER & PUMP NUMBERING & WIRING STANDARD
1/4" = 1'-0"

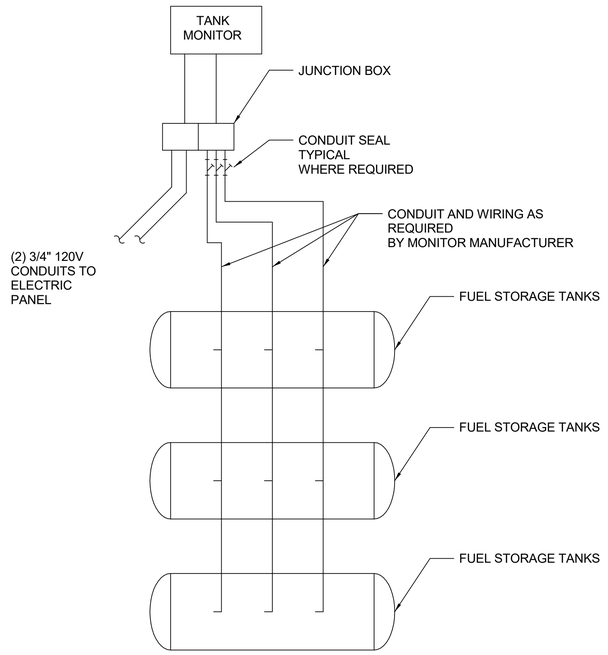
****** SPECIAL NOTE ******

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.

4 EMERGENCY STOP SWITCH WIRING DETAIL
1/4" = 1'-0"



1 TANK MONITORING SCHEMATIC DIAGRAM
1/4" = 1'-0"

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DESIGN PROFESSIONALS

PROJECT MANAGER: AH
CHECKED BY: DC
DRAWN BY: BR

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21

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.

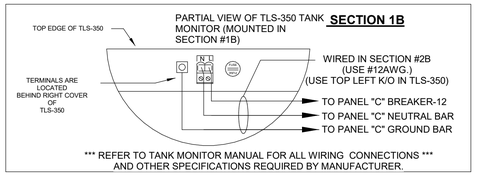
PROFESSIONAL SEAL

FOR REFERENCE ONLY

PROJECT NUMBER
63200243

SHEET TITLE
CONTROL DIAGRAMS

SHEET NUMBER
E501



TANK MONITOR/PUMP SHUTDOWN

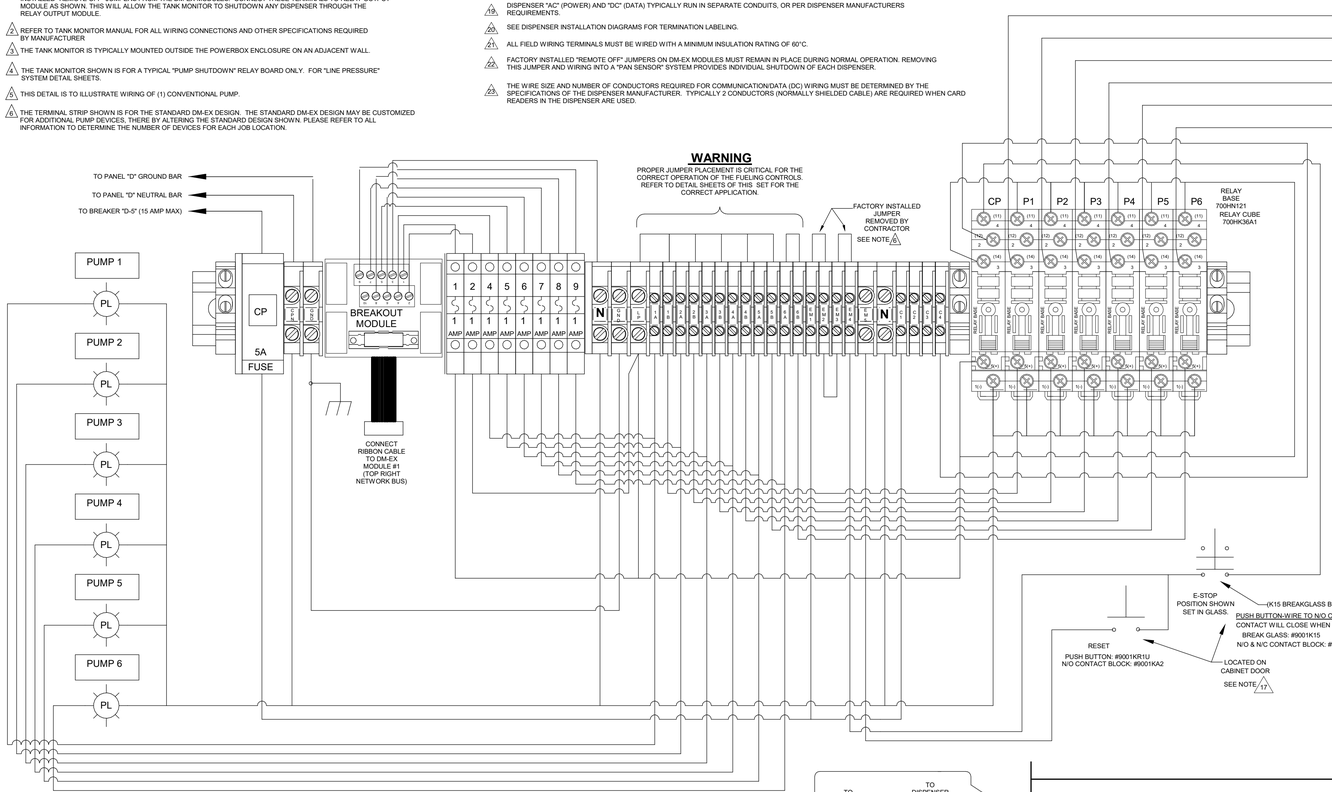
OPTION WITH CONVENTIONAL SUBMERSIBLE PUMPS

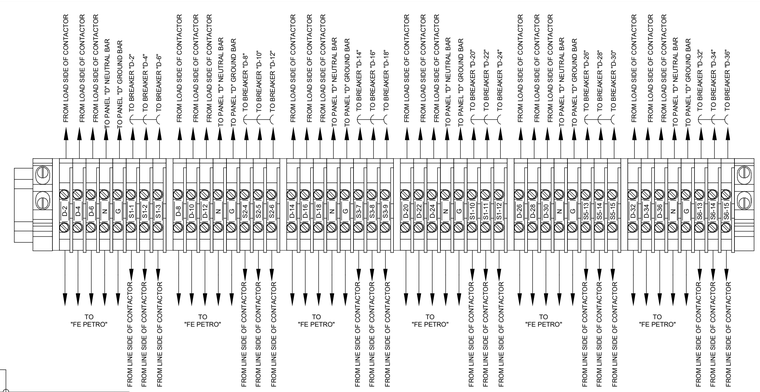
1. WHEN INDIVIDUAL SHUTDOWN OF DISPENSERS THRU THE TANK MONITOR IS REQUIRED REMOVE THE FACTORY INSTALLED "REMOTE OFF" JUMPERS FROM THE DM-EX MODULES. CONNECT THESE TERMINALS TO RELAY OUTPUT MODULE AS SHOWN. THIS WILL ALLOW THE TANK MONITOR TO SHUTDOWN ANY DISPENSER THROUGH THE RELAY OUTPUT MODULE.
2. 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" SYSTEM 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.

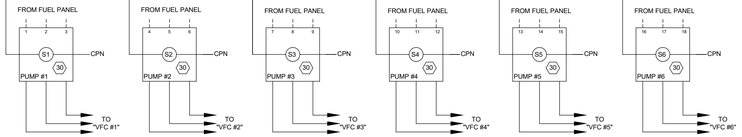
DISPENSER FIELD WIRING

NOTES:

18. 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.
19. DISPENSER "AC" (POWER) AND "DC" (DATA) TYPICALLY RUN IN SEPARATE CONDUITS, OR PER DISPENSER MANUFACTURERS REQUIREMENTS.
20. 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 "P/AN 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 CABLE) ARE REQUIRED WHEN CARD READERS IN THE DISPENSER ARE USED.







PUMP CONTACTOR COIL WIRING

9 14 15

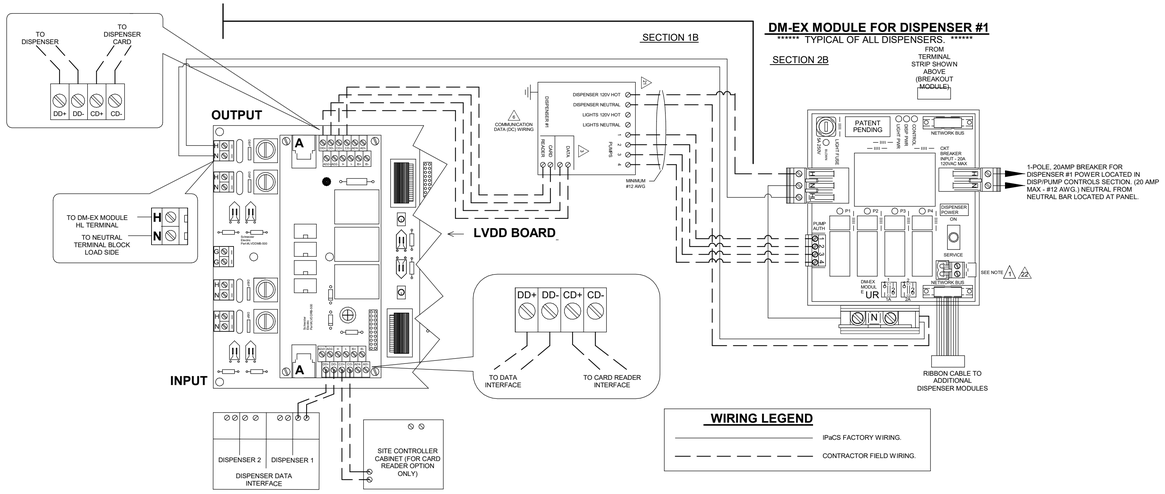
5-DPA33Y122Y236 CONTACTORS

SUBMERSIBLE PUMP EQUIPMENT SCHEDULE

EQUIPMENT	VOLTAGE	CONTACTOR NUMBER	AMPS	CIRCUIT INFO		OUT PUT
				PNL.	CKT.	
STP-1 (DIESEL A)	208 V	1	VERIFY	D	2,4,6	S1
STP-2 (DIESEL B)	208 V	2	VERIFY	D	8,10,12	S2
STP-3 (REGULAR #1)	208 V	3	VERIFY	D	14,16,18	S3
STP-4 (REGULAR #2)	208 V	4	VERIFY	D	20,22,24	S4
STP-5 (E-85)	208 V	5	VERIFY	D	27,29,31	S5
STP-6 (PREMIUM)	208 V	6	VERIFY	D	33,35,37	S6
STP-7 (B100)	208 V	7	VERIFY	D1	2,4,6	S7
STP-8 (B20-1)	208 V	8	VERIFY	D1	8,10,12	S8
STP-9 (B20-2)	208 V	9	VERIFY	D1	14,16,18	S9
STP-10 (DEF)	208 V	10	VERIFY	D1	20,22,24	S10

DISPENSER DM-EX MODULE CHART

DISPENSER NUMBER	BREAKER DESCRIPTION		VOLTAGE	AMPS	CIRCUIT INFO	
	EQUIPMENT	NUMBER			PNL	CKT. #
DM-EX #1	DISPENSER	1	120 V	20.0 A	D	7
DM-EX #2	DISPENSER	2	120 V	20.0 A	D	9
DM-EX #3	DISPENSER	3	120 V	20.0 A	D	11
DM-EX #4	DISPENSER	4	120 V	20.0 A	D	13
DM-EX #5	DISPENSER	5	120 V	20.0 A	D	15
DM-EX #6	DISPENSER	6	120 V	20.0 A	D	17
DM-EX #7	DISPENSER	7	120 V	20.0 A	D	19
DM-EX #8	DISPENSER	8	120 V	20.0 A	D	21
DM-EX #1	DISPENSER	TC 1	120 V	20.0 A	D1	7
DM-EX #2	DISPENSER	TC 2	120 V	20.0 A	D1	9
DM-EX #3	DISPENSER	TC 3	120 V	20.0 A	D1	11
DM-EX #4	DISPENSER	TC 4	120 V	20.0 A	D1	13
DM-EX #5	DISPENSER	TC 5	120 V	20.0 A	D1	15
DM-EX #6	DISPENSER	TC 6	120 V	20.0 A	D1	17
DM-EX #7	DISPENSER	TC 7	120 V	20.0 A	D1	19



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.
13. 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 P.B.S. BOX PLACEMENT OF THESE DEVICES SHOULD BE DETERMINED BY THE CONTRACTOR.
14. NOT USED
15. 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.
16. 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.
17. 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.

1 CONTROL DIAGRAMS
N.T.S

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DESIGN PROFESSIONALS

PROJECT MANAGER: AH

CHECKED BY: DC

DRAWN BY: BR

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PROTOTYPE SERIES

2021 LH MO 0507

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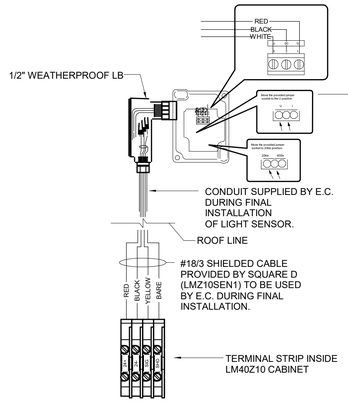
PROJECT NUMBER 63200243

SHEET TITLE

CONTROL DIAGRAMS

SHEET NUMBER

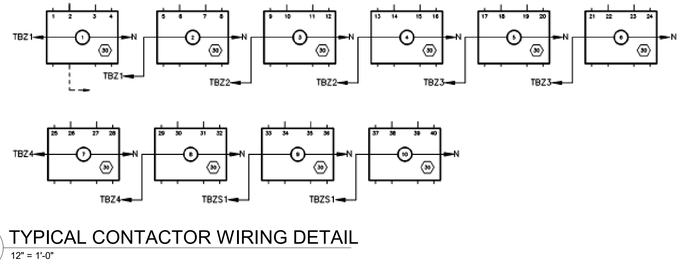
E502



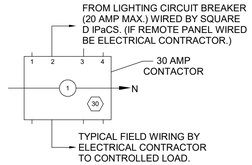
GENERAL NOTES FOR LIGHT SENSOR INSTALLATION

1. WIRING FOR THE LIGHT SENSOR MUST BE #18/3 SHIELDED CABLE AND SHALL BE RUN 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 LMZ10SEN1 INCLUDES THE LIGHT SENSOR INSTALLED IN AN ALB1 CONDUIT HOUSING WITH 50 FT. OF #18/3 SHIELDED CABLE. THE LMZ10SEN1 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 SECURE LMZ10SEN1 ASSEMBLY IN CABINET FOR SHIPMENT. WITH WIRES LEFT CONNECTED. THE ELECTRICAL CONTRACTOR SHALL COMPLETE INSTALLATION OF LIGHT SENSOR AT JOBSITE USING INFORMATION ABOVE.

5 LIGHT SENSOR FIELD INSTALLATION DETAIL
N.T.S.



3 TYPICAL CONTACTOR WIRING DETAIL
12" = 1'-0"



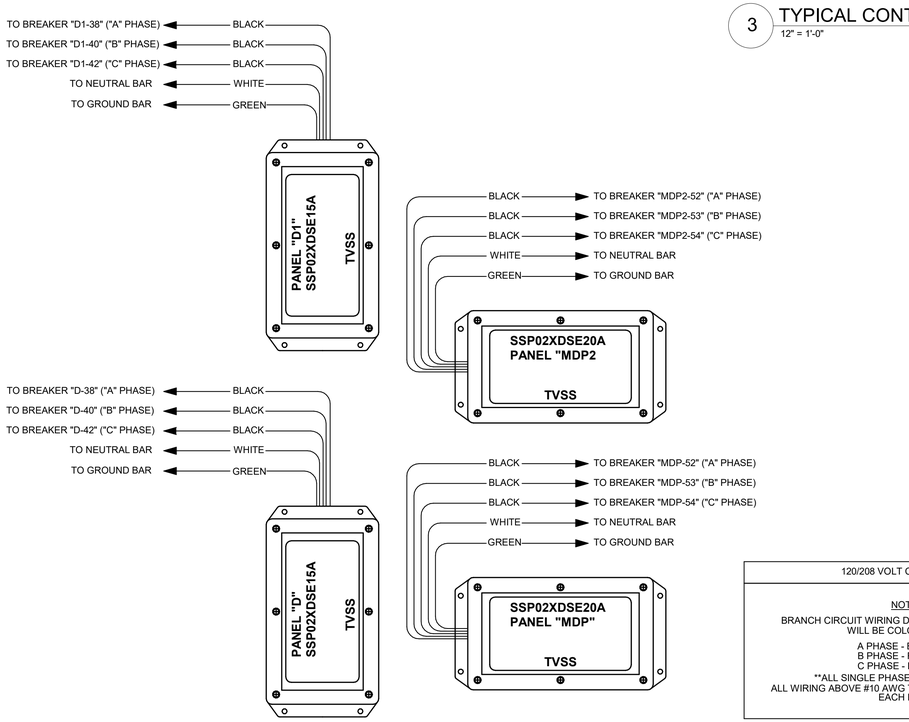
NOTE: LIGHTING CIRCUIT
TYPICAL LIGHTING CIRCUIT SHOWN ABOVE ON CONTACTOR POLE #2.

GENERAL NOTES FOR LIGHTING CONTROLS

- LCG 1 ALL DASHED LINES REPRESENT FIELD WIRING BY CONTRACTOR.
- LCG 2 OVERCURRENT PROTECTION FOR EACH LIGHTING CIRCUIT TO BE CONTROLLED BY THEE IPACS "LIGHTING MANAGER" IS PROVIDED BY OTHERS. THIS OVERCURRENT PROTECTION SHALL BE LIMITED TO 20 AMPS MAXIMUM FOR EACH CIRCUIT.
- LCG 3 CONTROL FUSE "L1" FOR LIGHTING CONTROL POWER MUST BE "5 AMPS". REPLACE ONLY WITH THE SAME TYPE AND RATING OF FUSE.
- LCG 4 CONTROL FUSE "24+" ON LIGHTING CONTROL STRIP MUST BE "2 AMPS". REPLACE ONLY WITH THE SAME TYPE AND RATING OF FUSE.
- LCG 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.
- LCG 6 ALL CONTACTORS SHALL BE WIRED INDEPENDENTLY TO A TERMINAL BLOCK AT THE OUTPUT TERMINAL BLOCK INTERFACE.
- LCG 7 THE WIRES FROM ALL CONTACTORS (1 THRU 10) MUST BE NUMBERED AT THE OUTPUT TERMINAL BLOCK INTERFACE.
- LCG 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.
- LCG 9 ALL MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION SHALL BE AS SCHEDULED ON SHEET E300.
- LCG 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.

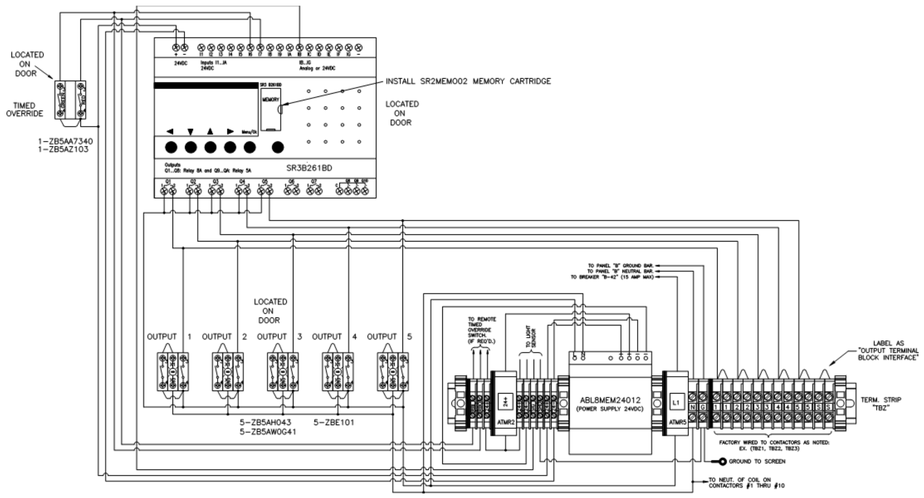
4 LIGHTING CONTACTOR DETAIL
N.T.S.



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 AS SCHEDULED ON SHEET E410 & E411.

1 SPD WIRING DETAIL
N.T.S.



2 CONTACTOR CONTROL WIRING
12" = 1'-0"

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DESIGN PROFESSIONALS

PROJECT MANAGER: AH
CHECKED BY: DC
DRAWN BY: BR

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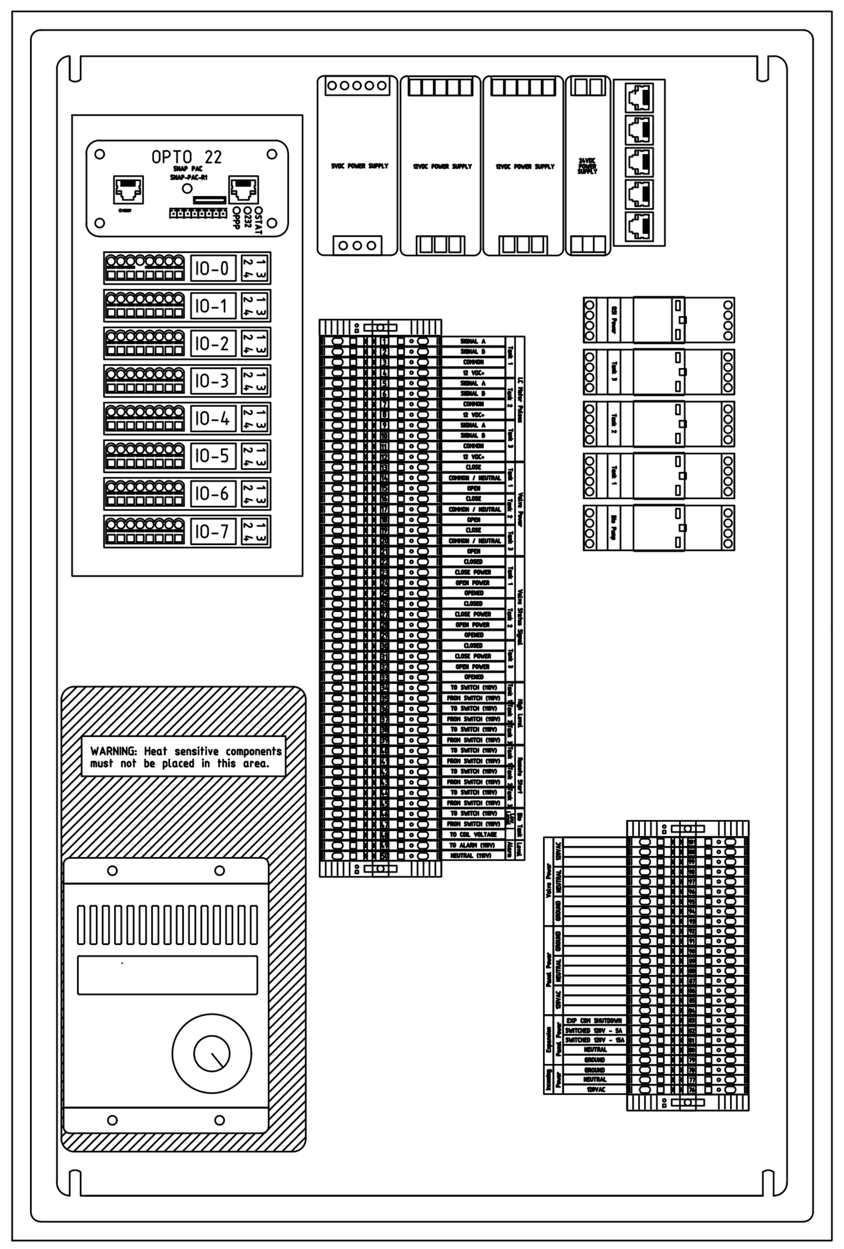
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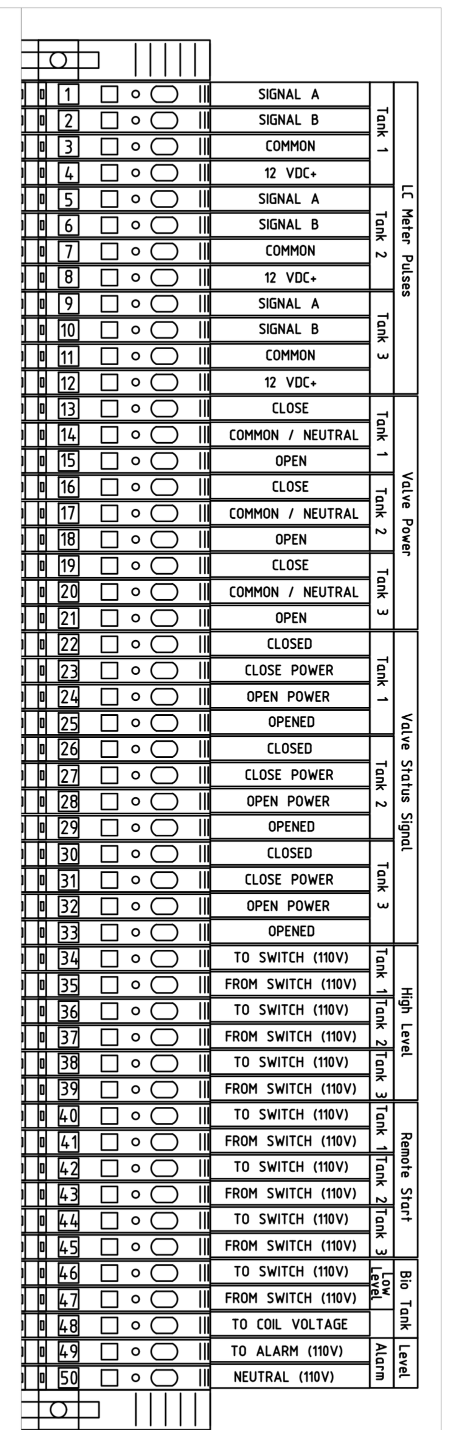
PROJECT NUMBER
63200243

SHEET TITLE
CONTROL DIAGRAMS

SHEET NUMBER
E503

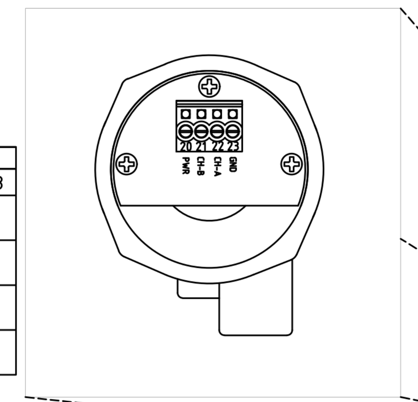
MAIN PANEL





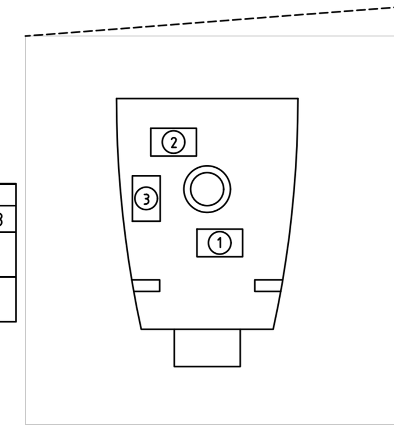
Connection Guide
LC POD Pulser
4-wire 18GA Shielded Cable

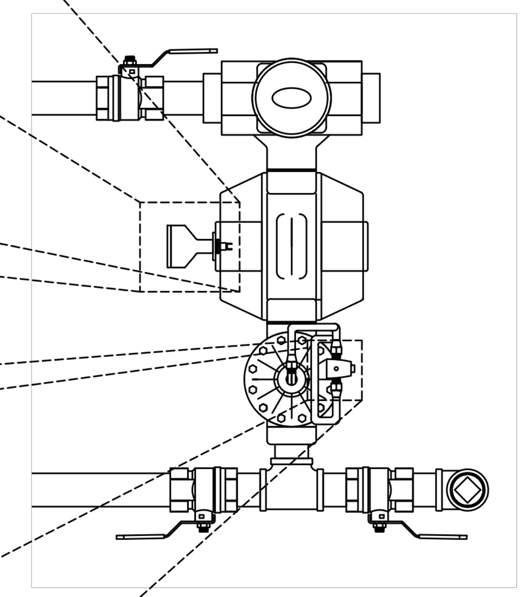
	Junge Terminal Block		
	Tank 1	Tank 2	Tank 3
20 PWR	4	8	12
21 CH-B	2	6	10
22 CH-A	1	5	9
23 GND	3	7	11



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
Norm-open	Tank 1	Tank 2	Tank 3	Bio Tank
1 - Out	35			
2 - Out		37		
3 - Out			39	
4 - Out				47

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.

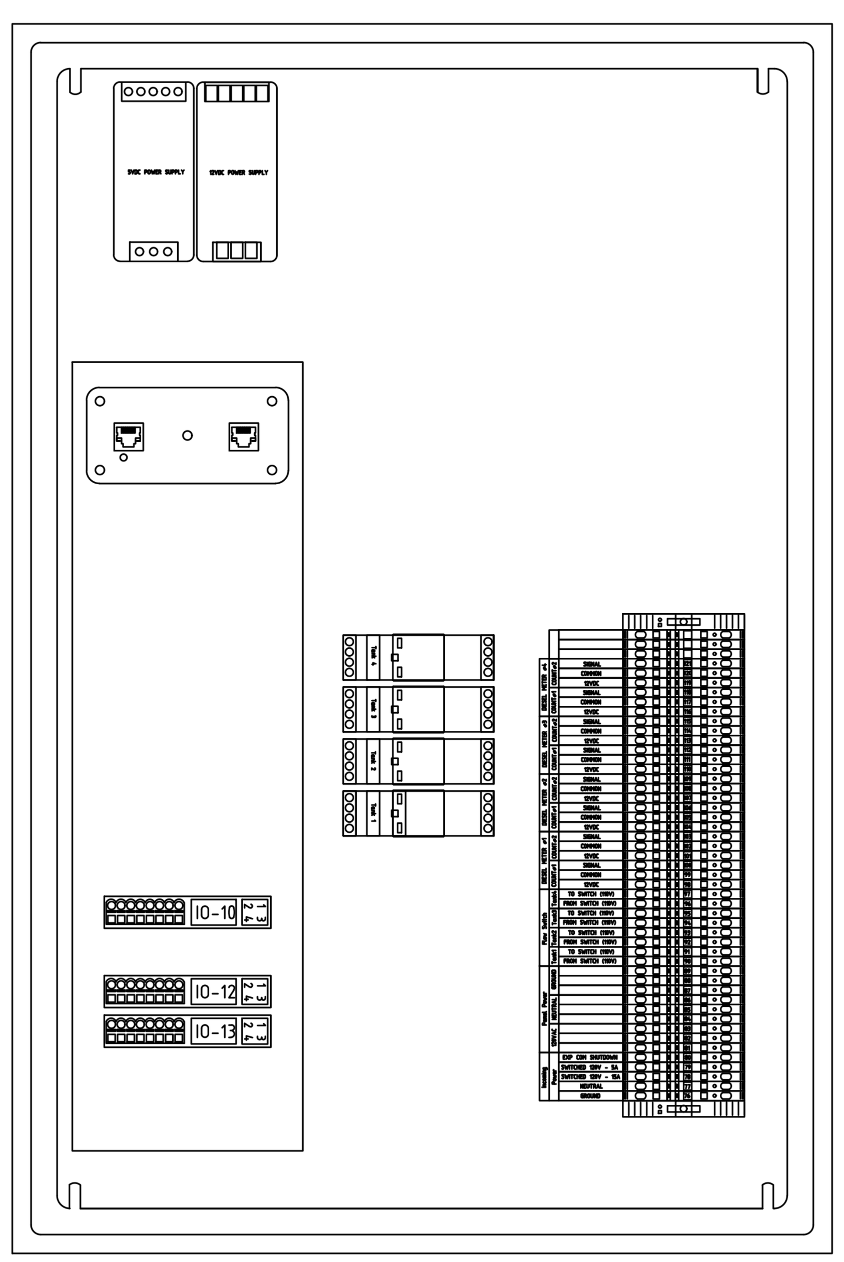
#4 One Cat 5 cable from Junge panel to the sites network switch. Along with transaction data to FTP site the printer also receives transaction data thru the network switch.

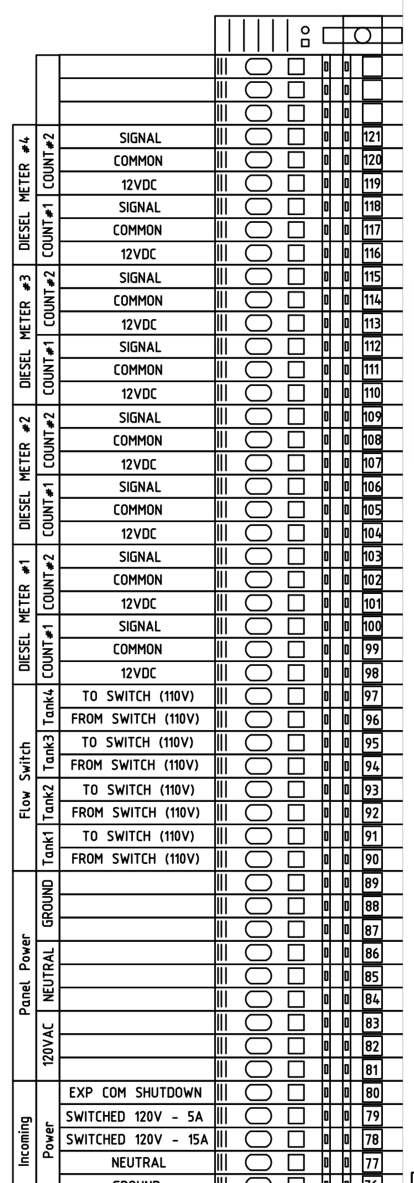
#5 Each bio meter requires a 18 gauge 4 conductor shielded cable for the Pod (Pulse Output Device) and a 18 gauge 2 Conductor shielded cable for the 12vdc solenoid valve. These DC cables can be routed in the same conduit.

#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.

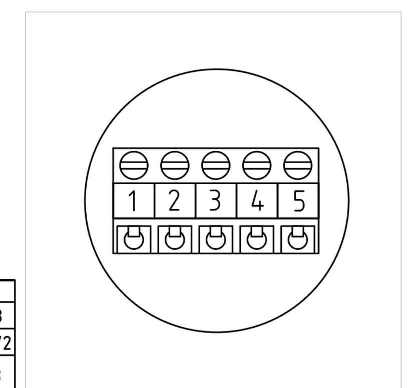
EXPANSION PANEL



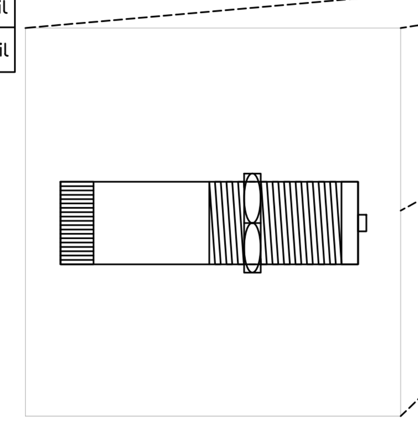


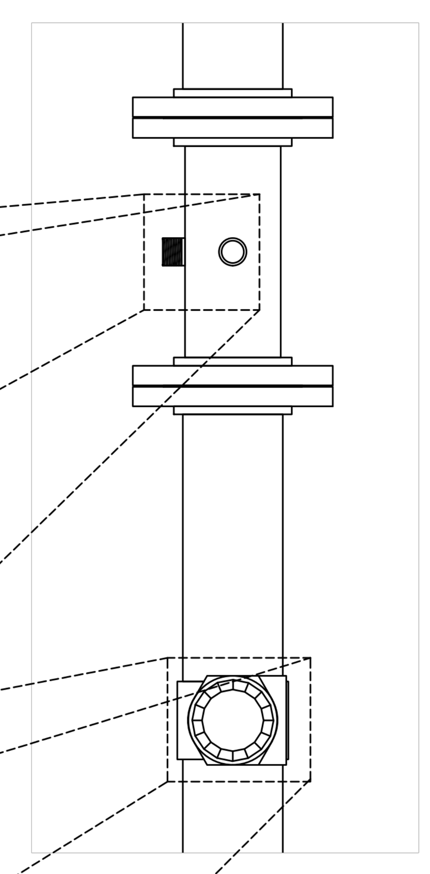
Connection Guide
Turbine Amplifier Puck
3-wire 18GA Shielded Cable

	Junge Terminal Block		
	Tank 1	Tank 2	Tank 3
	Count 1/2	Count 1/2	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

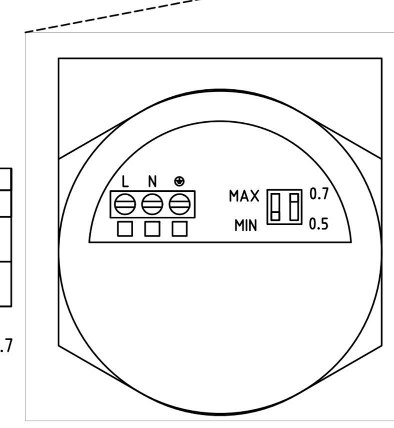




Connection Guide
Remote Fill Flow Switch
14GA THHN Stranded Wire

	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 JUNGE WIRING DIAGRAM
N.T.S

SHEET ADDED TO SET
2

INCORPORATED SPB - 2021_0501

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DESIGN PROFESSIONALS

PROJECT MANAGER: AH
CHECKED BY: DC
DRAWN BY: BR

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME
ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 DATE 12/08/21

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
63200243

SHEET TITLE
CONTROL DIAGRAMS

SHEET NUMBER
E504

Branch Panel: T

Location: TRASH ENCLOSURE
Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 60 A
MCB Rating:

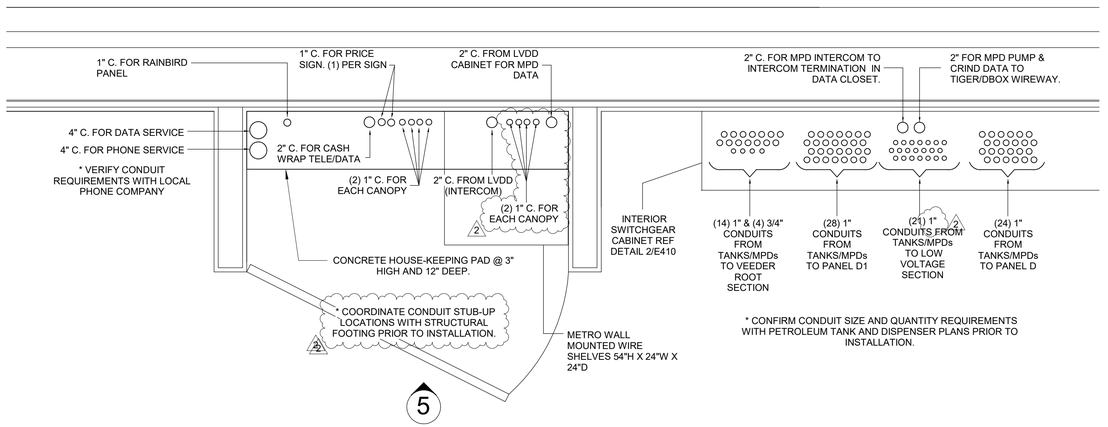
Notes:

Notes	CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT	Notes
	1					3038	180		1	20 A	12	AIR COMPRESSOR TANK DRAIN	2	GB
	3	AIR COMPRESSOR	6	50 A	3		3038	153	1	20 A	12	EXTERIOR LIGHTING	4	--
	5							3038 102	1	20 A	12	INTERIOR LIGHTING	6	--
	7	SPARE	--	20 A	1	0 --			1	--	--	SPACE	8	--
--	9	SPACE	--	--	1		-- --		1	--	--	SPACE	10	--
--	11	SPACE	--	--	1			-- 360	1	20 A	12	DESK & CART	12	
					Total Load:	3218 VA	3191 VA	3500 VA						
					Total...	27 A	27 A	29 A						

Lege...

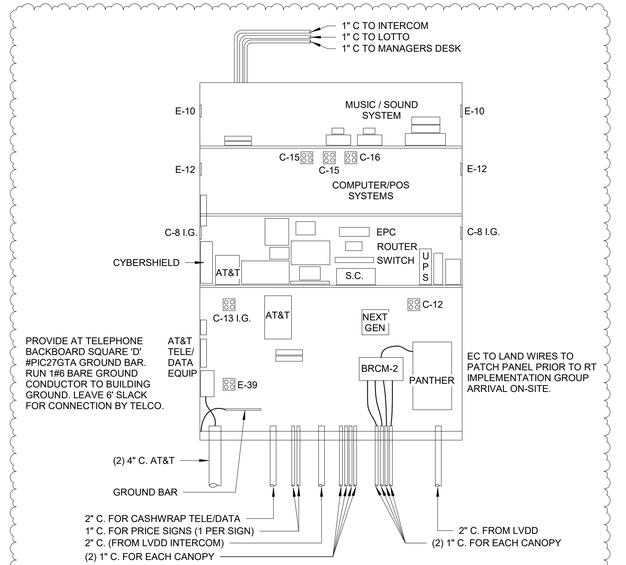
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	255 VA	125.00%	319 VA		
Receptacle	540 VA	100.00%	540 VA	**Total Conn. Load:**	9909 VA
MISC EQUIP	9114 VA	100.00%	9114 VA	**Total Est. Demand:**	9973 VA
				Total Conn.:	28 A
				Total Est. Demand:	28 A

Notes:
GB CIRCUITS REQUIRES A GROUND FAULT (GRCI) BREAKER.
CIRCUITS SHOWN WITH (***) ARE CONTROLLED LIGHTING CIRCUITS. REFER TO SHEET E001 FOR CONTACTOR SCHEDULE.

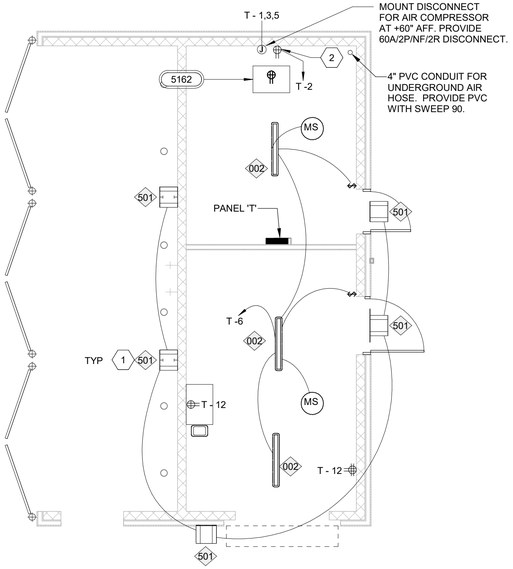


5

6 DATA CLOSET AND CONDUIT LOCATION DETAIL (SIMILAR)
N.T.S.



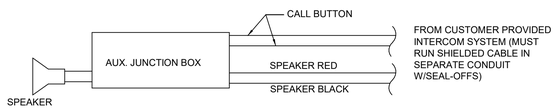
5 DATA CLOSET ELEVATION
N.T.S.



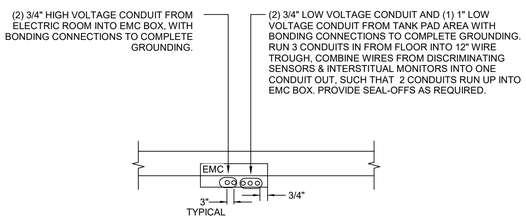
KEYNOTES

1. ADD PHOTOCELL TO CONTROL LIGHT FIXTURE. E.C. SHALL COORDINATE REQUIREMENTS WITH LIGHTING MANUFACTURER PRIOR TO ROUGH-IN.
2. PROVIDE WEATHERPROOF RECEPTACLE WITHIN 5'-0" OF AIR COMPRESSOR FOR TANK DRAIN.

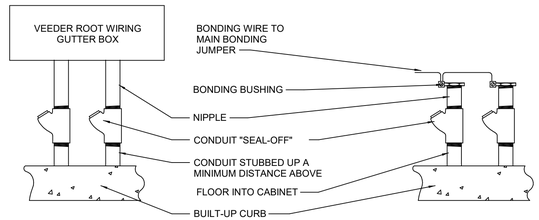
2 DUMPSTER ENCLOSURE ELECTRICAL PLAN
3/16" = 1'-0"



4 INTERCOM SINGLE LINE DIAGRAM
N.T.S.



1 TANK MONITORING 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.

3 DISPENSOR PUMP AND INTRINSICALLY SAFE STUB-UP DETAIL
N.T.S.

INCORPORATED SPB - 2021_0501

DEAN W. CHANDLER

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DESIGN PROFESSIONALS

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8345 LENEXA DRIVE, SUITE 300
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TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2050004273
GA. CORPORATE NO. PEF002734
EXPIRES 6/30/2022

PROJECT MANAGER:
AH

CHECKED BY:
DC

DRAWN BY:
BR

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ELLENWOOD
GA, 30294
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RACETRAC STORE NUMBER
1478

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2021 LH MO 0507

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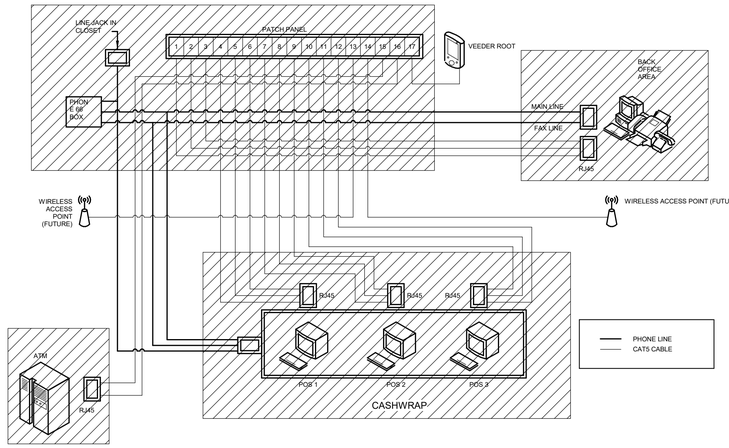
GEORGIA REGISTERED No. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

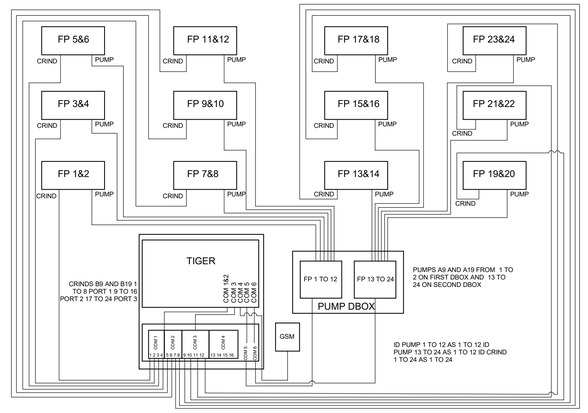
PROJECT NUMBER
63200243

SHEET TITLE
ELECTRICAL DETAILS

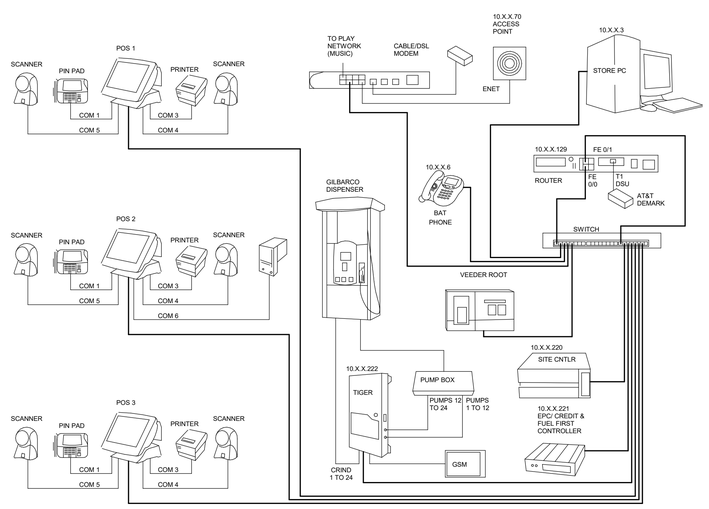
SHEET NUMBER
E600



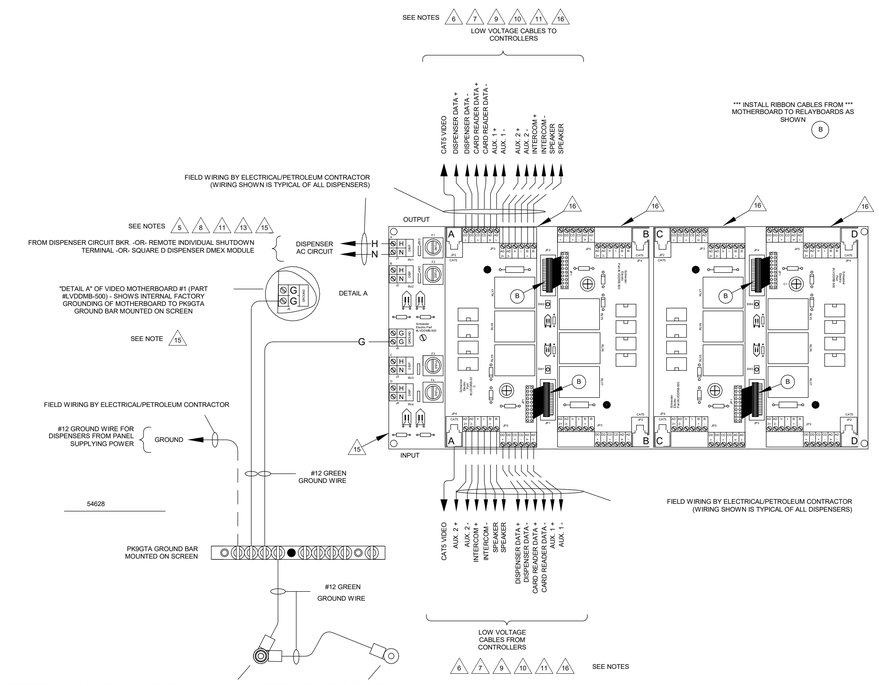
3 LOW VOLTAGE WIRING DETAIL
N.T.S.



4 TIGER CONFIGURATION DETAIL
N.T.S.



1 POINT OF SALE WIRING DETAIL
N.T.S.



2 LVDD WIRING (VIDEO MODELS WITH (2) 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. TLS-450 SENSOR CABLING SHALL BE HOUSTON H32600 OR SMARTWIRE WCW88760 / (1) #18 SHIELDED TWISTED PAIR.
3. AS SOME SYSTEMS HAVE BOOTING SEQUENCES WHEN STARTING. THE "LVDD" SHOULD BE ENERGIZED 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. DISPENSER INTERCOM CABLES SHALL BE HOUSTON H32400 OR SMARTWIRE WCW89418 / (2) #22 SHIELDED TWISTED PAIR.
8. THE DISPENSER "AC" POWER IS FROM EITHER THE ASSOCIATED DISPENSER CIRCUIT BREAKER -OR- THE REMOTE INDIVIDUAL SHUTDOWN TERMINAL ON THE SQUARE D PowerLogic 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 (ONE THIS ONE)	CONDUCTOR CROSSING NUMBER	WIRING CROSSING NUMBER	MOTHERBOARD PART #	QTY	RELAYBOARD PART #	QTY
VIDEO	LVDD-1-16*	LVDD-1-COM	LVDD-1-WIR	LVDDMB-500	1*	LVDDRB-500	1
	LVDD-1-X			LVDDMB-500	1	LVDDRB-500	1
	LVDD-2-X			LVDDMB-500	2	LVDDRB-500	1
	LVDD-3-X			LVDDMB-500	3	LVDDRB-500	1
	LVDD-4-X			LVDDMB-500	4	LVDDRB-500	1

*TYPICAL NOTE: MODEL NUMBERS LVDD-1-X ARE ALL HAVE QTY OF 1 MOTHERBOARD INSTALLED WITH ADDITIONAL MOTHERBOARDS INSTALLED WITH ADDITIONAL RELAYBOARDS

ORDER #: 54628

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DESIGN PROFESSIONALS

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ATLANTA, GEORGIA 30339
(770) 431-7600

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ELLENWOOD GA, 30294
4443 OLD DUNN COURT

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PROTOTYPE SERIES
2021 LH MO 0507

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PROFESSIONAL SEAL

FOR REFERENCE ONLY

PROJECT NUMBER 63200243

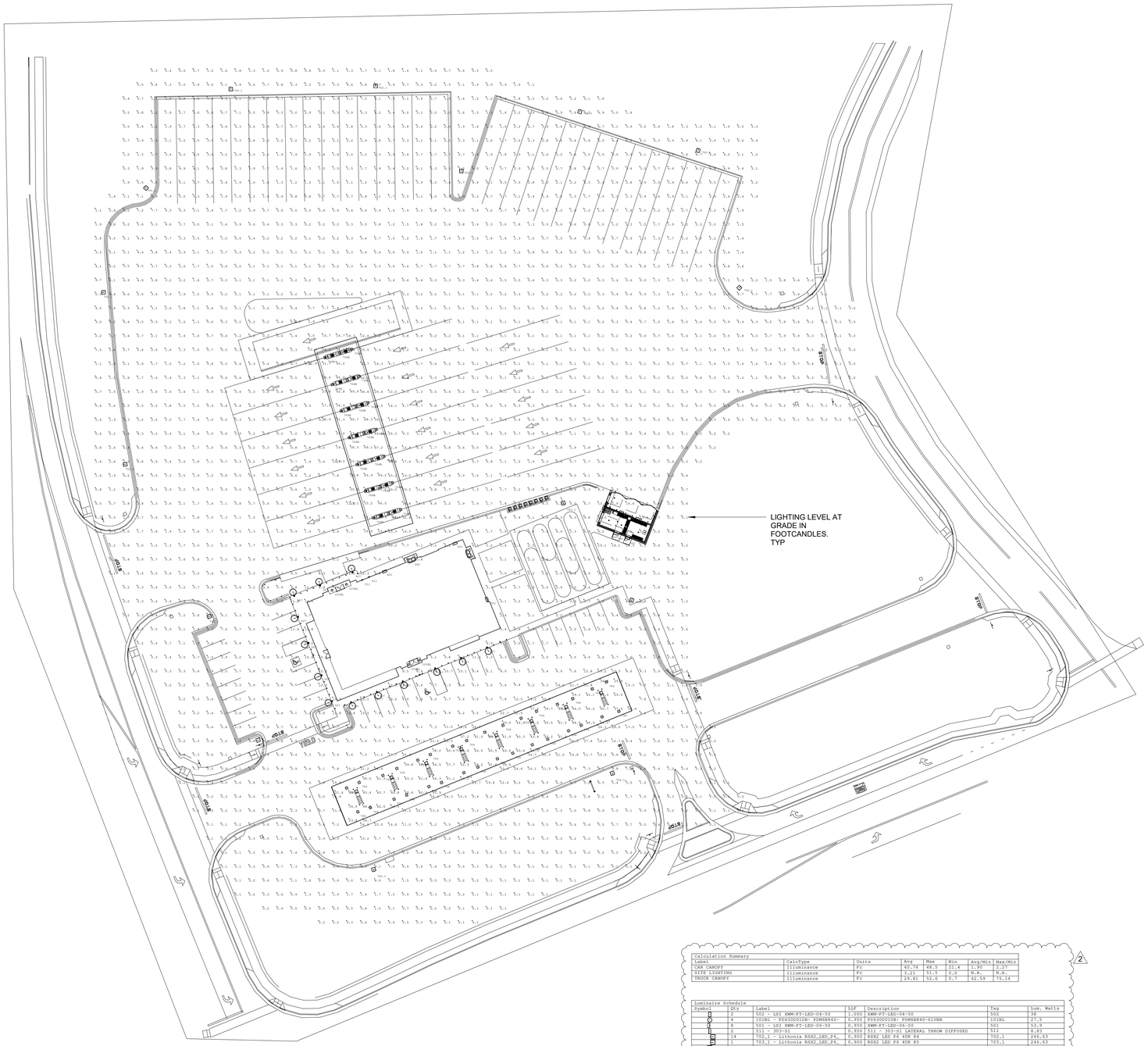
SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E601

GENERAL NOTES

1. ALL FIXTURES UTILIZED IN THIS SITE PHOTOMETRIC PLAN ARE FULL CUTOFF.
2. MOUNT AREA LUMINAIRES, TYPE '702.1' AND '703.1' AT 28'-0" AFB. (INCLUDING POLE BASE)
3. SITE LIGHTING POLE USED FOR 28' TALL FIXTURES SHALL BE NLS #SSSP-25-SS-7G-12BC-SGL-BRZ ON 3' CONCRETE BASE.
4. FILE NUMBERS PROVIDED FOR PHOTOMETRY REFERENCE ONLY. CATALOG NUMBERS SHALL BE UTILIZED FOR ORDERING FIXTURES.
5. COLOR TEMPERATURE OF FIXTURES SHALL BE PROVIDED AS FOLLOWS
   - 5.1. AREA LIGHTING - 4000K
   - 5.2. 501/502 - 4000K
   - 5.3. 511 - 4000K
   - 5.4. DECORATIVE POLE - 5000K
   - 5.5. CANOPY - 5000K
   - 5.6. CANOPY DOWNLIGHTS - 5000K

2



1 SITE PHOTOMETRY PLAN
1" = 40'-0"

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CAN CANOPY	Illuminance	Fc	40.74	48.5	21.4	1.90	2.27
SITE LIGHTING	Illuminance	Fc	3.21	51.5	0.0	N.A.	N.A.
TRUCK CANOPY	Illuminance	Fc	29.81	52.6	0.7	42.59	75.14

Luminaire Schedule						
Symbol	Qty	Label	LLF	Description	Tag	Lum. Watts
	2	502 - LSI XWM-FT-LED-04-50	1.000	XWM-FT-LED-04-50	502	38
	4	1018L - PDS3DD10B- PDMSB840-	0.950	PDS3DD10B- PDMSB840-61VBB	1018L	27.5
	8	501 - LSI XWM-FT-LED-06-50	0.950	XWM-FT-LED-06-50	501	53.9
	2	511 - 303-S1	0.950	511 - 303-S1 LATERAL THROW DIFFUSED	511	8.83
	14	702_1 - Lithonia RSX2_LED_P6_	0.900	RSX2 LED P6 40K R4	702_1	246.63
	1	703_1 - Lithonia RSX2_LED_P6_	0.900	RSX2 LED P6 40K R5	703_1	246.63
	32	704-5W-TWT3-M150	0.800	701948-5WTWT3-M150	704	118.518
	21	704B-5W-TWT3-M150	0.800	701948-5WTWT3-M150	704B	118.518
	13	507 new - RADPT_P3_40K_SYM	0.950	RADPT P3 40K SYM	507	59.6184

2

INCORPORATED SPB - 2021_0501

DEAN W. CHANDLER

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DESIGN PROFESSIONALS

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WWW.HENDERSONENGINEERS.COM
2050004273
GA. CORPORATE NO. PEF002734
EXPIRES 6/30/2022

PROJECT MANAGER:
AH

CHECKED BY:
DC

DRAWN BY:
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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE043779 PROFESSIONAL ENGINEER DEAN WAY CHANDLER

05/12/2022

PROJECT NUMBER
63200243

SHEET TITLE

SITE PHOTOMETRY PLAN

SHEET NUMBER

SP-1

Customer:	RACETRAC
Project:	RFP 2021
Part Number:	RSX2LEDP640KR4MVOLTRPADDBXD

Type 702



RSX2 LED
Area Luminaire

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

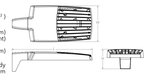
Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Specifications

EPA (ft²@0°):	0.69 ft² (0.06 m²)
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight: (SPA mount)	30.0 lbs (13.6 kg)



Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1 1,500 Lumens P2 2,000 Lumens P3 3,000 Lumens P4 4,000 Lumens P5 6,500 Lumens **P6**	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Short [1] R5S Type 5 Short [1] AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) [1] HVOLT (347V-480V) [1] XVOLT (277V-480V) [1] **(see specific voltage for options as noted)** 120 [1] 277 [1] 208 [1] 347 [1] 240 [1] 480 [1]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 1, 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) [2] IS Adjustable slipfitter (fits 2-3/8" OD tenon) [2] WBA Wall bracket [3] WBACC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting [4] AARP Adjustable tilt arm round pole mounting [4] AAWB Adjustable tilt arm with wall bracket [4] AAWSC Adjustable tilt arm wall bracket and surface conduit box [4]

Options		Finish
Shipped Installed HS House-side shield [1] PE Photocontrol, button style [5] PEX Photocontrol external threaded, adjustable [5,6] PER7 Seven-wire twist-lock receptacle only (no controls) [5] [7] [8] CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) [1] DF Double fuse (208, 240, 480) [1] SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output [9,10] DMG 0-10V dimming extend out back of housing for external control (control ordered separately) [11] DS Dual switching [12]	**Shipped Installed** ***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)** NLTAIR2 nLight AIR generation 2 [13,14,15] PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [13,14,15] BAA Buy America(n) Act Compliant ***Note: PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.** **Shipped Separately (requires some field assembly)** EGS External glare shield [1] EGFF External glare full visor (360° around light aperture) [1] BS Bird spikes [1]	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

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05/26/21

CED Shawn Campbell shawn.campbell@ced.com 678-215-3065 CED

1 FIXTURE TYPE 702.1
N.T.S.

Customer:	RACETRAC
Project:	RFP 2021
Part Number:	RSX2LEDP640KR5MVOLTRPADDBXD

Type 703



RSX2 LED
Area Luminaire

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Specifications

EPA (ft²@0°):	0.69 ft² (0.06 m²)
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight: (SPA mount)	30.0 lbs (13.6 kg)



Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1 P2 P3 P4 P5 **P6**	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Short [1] R5S Type 5 Short [1] AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) [1] HVOLT (347V-480V) [1] XVOLT (277V-480V) [1] **(see specific voltage for options as noted)** 120 [1] 277 [1] 208 [1] 347 [1] 240 [1] 480 [1]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 1, 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) [2] WBA Wall bracket [3] WBACC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting [4] AARP Adjustable tilt arm round pole mounting [4] AAWB Adjustable tilt arm with wall bracket [4] AAWSC Adjustable tilt arm wall bracket and surface conduit box [4]

Options		Finish
Shipped Installed HS House-side shield [1] PE Photocontrol, button style [5] PEX Photocontrol external threaded, adjustable [5,6] PER7 Seven-wire twist-lock receptacle only (no controls) [5] [7] [8] CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) [1] DF Double fuse (208, 240, 480) [1] SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output [9,10] DMG 0-10V dimming extend out back of housing for external control (control ordered separately) [11] DS Dual switching [12]	**Shipped Installed** ***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)** NLTAIR2 nLight AIR generation 2 [13,14,15] PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [13,14,15] BAA Buy America(n) Act Compliant ***Note: PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.** **Shipped Separately (requires some field assembly)** EGS External glare shield [1] EGFF External glare full visor (360° around light aperture) [1] BS Bird spikes [1]	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

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05/26/21

CED Shawn Campbell shawn.campbell@ced.com 678-215-3065 CED

2 FIXTURE TYPE 703.1
N.T.S.

Customer:	RACETRAC
Project:	RFP 2021
Part Number:	ARC2LEDP540KMVOLTDDBXD

Type 501



ARC2 LED
Architectural Wall Luminaire

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8W cold temperature option, making it suitable for pedestrian scale applications in any environment.

Specifications

Depth (D1):	9.25"
Depth (D2):	7.5"
Height:	5"
Width:	14"
Weight: (without options)	11 lbs



ARC LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	--	1,500	2,000	3,000	--	--
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

Ordering Information

EXAMPLE: ARC2 LED P2 40K MVOLT PE DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
ARC2 LED	P1 1,500 Lumens P2 2,000 Lumens P3 3,000 Lumens P4 4,000 Lumens P5 6,500 Lumens	30K 3000K 40K 4000K 50K 5000K	MVOLT 347 [1]	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) [1] E8WC Emergency battery backup, CEC compliant (8W, -20°C min) [1] PE Button type photocell for dusk-to-dawn operation DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) [2] SPD6KV 6kV surge protection [1] FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% [1]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Accessories
Ordered and shipped separately.
W38W DDBXD U Surface - mounted back box (specify finish)

NOTES
1 347V not available with E4WH, E8WC and SPD6KV.
2 FAO not available with DMG.

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3 FIXTURE TYPE 501
N.T.S.

Customer:	RACETRAC
Project:	RFP 2021
Part Number:	ARC2LEDP440KMVOLTDDBXD

Type 502



ARC2 LED
Architectural Wall Luminaire

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8W cold temperature option, making it suitable for pedestrian scale applications in any environment.

Specifications

Depth (D1):	9.25"
Depth (D2):	7.5"
Height:	5"
Width:	14"
Weight: (without options)	11 lbs



ARC LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	--	1,500	2,000	3,000	--	--
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

Ordering Information

EXAMPLE: ARC2 LED P2 40K MVOLT PE DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
ARC2 LED	P1 1,500 Lumens P2 2,000 Lumens P3 3,000 Lumens P4 4,000 Lumens P5 6,500 Lumens	30K 3000K 40K 4000K 50K 5000K	MVOLT 347 [1]	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) [1] E8WC Emergency battery backup, CEC compliant (8W, -20°C min) [1] PE Button type photocell for dusk-to-dawn operation DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) [2] SPD6KV 6kV surge protection [1] FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% [1]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Accessories
Ordered and shipped separately.
W38W DDBXD U Surface - mounted back box (specify finish)

NOTES
1 347V not available with E4WH, E8WC and SPD6KV.
2 FAO not available with DMG.

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4 FIXTURE TYPE 502
N.T.S.

ENTIRE SHEET REVISED
2

INCORPORATED SPB - 2021_0501

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DESIGN PROFESSIONALS

PROJECT MANAGER:
AH

CHECKED BY:
DC

DRAWN BY:
BR

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME

ANVIL BLOCK, GA

ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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
63200243

SHEET TITLE
PHOTOMETRY CUT SHEETS

SHEET NUMBER
SP-2

Customer:	RACETRAC INC.
Project:	
Part Number:	701948SWWTM150P2 / 601106

Type 704 / 705

PDL3 MODUS

LED lighting system

701948



Ordering information

Luminaire

Example: 701948-SWTWT3-M150

701948-	T	3-		
Product	**Color temp. (CCT)**	**Body color**	**Power[1]** (Low, Med, High power settings)	**Factory preset power settings**
	4W 4000 K **5W** 5000 K	**BZ** Bronze (MH200 only) **WT** White	**M75** 75 W power (36, 50, 64 W output) **M150** 150 W power (76, 98, 119 W output) **MH200** 200 W high output power (123, 141, 164 W output)	**(blank)** High power setting (default) **P1** Medium power setting **P2** Low power setting

Product description

PDL3 MODUS sets a new standard in canopy/soffit lighting with its slim, lightweight, 1" (25 mm) design, optimized Type V symmetric distribution, included driver, and IP68 rating offering the industries best protection from dust and water intrusion.

- Standard power supply module includes three field-selectable lumen output power settings: High (default), Medium, and Low
- Faster ROI, industry-leading 10-year warranty, and virtually maintenance-free
- Energy savings up to 250% over typical HID fixtures

Driver enclosure

Part number	Description
601108[1]	Canopy/soffit applications
601022-M	Surface mount applications

Accessories

Part number	Description
401397	Shoebox mounting plate
401397-BZ	Shoebox mounting plate (Bronze)
402540	Mounting plate, 32" × 26" (813 × 660 mm)
401219	Blank plate (de-lamping / removing)
401219-BZ	Blank plate, Bronze (de-lamping/removing)
401398	Install template
410168	1-10 V dimming connector cable

Dimming accessories

Part number	Description
601092[1]	Dimming controller for 75 W power supply
601093[1]	Dimming controller for 150 W power supply
601094[1]	Dimming controller for 200 W power supply
701953	Occupancy sensor

Replacement parts

Part number	Description
601071	75 W power supply
601072	150 W power supply
601073	200 W power supply

Performance summary

Model	M75			M150			MH200		
Power settings	Low (36 W) **P2**	Med (50 W) **P1**	High (64 W) **(blank)**	Low (76 W) **P2**	Med (98 W) **P1**	High (119 W) **(blank)**	Low (123 W) **P2**	Med (141 W) **P1**	High (164 W) **(blank)**
Efficacy* (lm/W)	159.3	157.9	155.0	152.7	146.9	142.5	169.6	167.8	165.5
Delivered lumens*	5,670	7,869	9,951	11,540	14,800	16,880	20,700	23,210	26,040

* Driver and power controller included. Standard configuration: All models are shipped at the highest system power setting unless ordered with factory preset options P1 or P2.
[1] 601106 required by NEC code in North America.
[2] 601022-M required where fixture will not be mounted directly to a surface.
[3] Dimming controller replaces the Power Module.
Dimming controller box fits inside of all shoe housings or mounting enclosures.
[4] Based on 5000 K CCT data.
[5] All models are shipped at the highest system power setting unless ordered with factory preset options P1 or P2.

Customer:	RACETRAC INC.
Project:	
Part Number:	701948SWWTM150P2 / 601106

Type 704 / 705

PDL3 MODUS

LED lighting system

701948

Product specifications

Electrical

Input voltage ..... 100-277 VAC, 50-60 Hz

Product	Power setting	Lumens[2]	Efficacy[3]
M75	P2 – Low (36 W)	5,670	159.3 lm/W
	P1 – Med. (50 W)	7,869	157.9 lm/W
	DP – High (64 W)[4]	9,951	155.0 lm/W
M150	P2 – Low (76 W)	11,540	152.7 lm/W
	P1 – Med. (98 W)[4]	14,800	146.9 lm/W
	DP – High (119 W)	16,880	142.5 lm/W
MH200	P2 – Low (123 W)	20,700	169.6 lm/W
	P1 – Med. (141 W)	23,210	167.8 lm/W
	DP – High (164 W)[4]	26,040	165.5 lm/W

Lighting

Light distribution ..... Symmetric (Type S)

Color (CCT) ..... 4000 K, 5000 K

Color rendering ..... 70 CRI

Performance

Operating temperature

Product	Low	Med	High
M75	-40° C to 40° C	-40° C to 55° C	-40° C to 50° C
M150			
MH200		-40° C to 50° C	-40° C to 40° C

Ingress protection IP68

UL location rating ..... Suitable for wet locations

Explosion proof[5] ..... ATEX zone 2 rated
DEMKO 18 ATEX 2033 X II 3 G ec IIC T4 Gc

Life rating ..... ***M75 & M150***
Reported: L_{70} > 60,000 hours
Calculated: L_{70} > 100,000 hours
MH200
Reported: L_{70} > 60,000 hours
Calculated: L_{70} > 125,000 hours

Dimming ..... 1-10 VDC control on power supply[1]

Construction

Frame ..... Die cast aluminum

Heat plate ..... Aluminum

Finish ..... ***M75 & M150*** ..... White
MH200 ..... Bronze or White
Powder coated for extreme conditions

Lens ..... Tempered frosted lens

Mounting

Fixture ..... 4 self-drilling sheet metal screws

Documentation

Warranty ..... 10-year limited

Agency listings ..... cULus, CE, DesignLights Consortium® (DLC) Premium, ENEC, ATEX*, RoHS, Title 24 Compliant

Files available ..... LM-79, LM-80, IES

* Requires 1-10 V connector cable (P/N 410168).
† ATEX certification for luminaire at 5000 K CCT only.
‡ All models are shipped at the highest system power setting unless ordered with factory preset options P1 or P2.
§ Based on 5000 K CCT data.

Product dimensions

Customer:	RACETRAC INC.
Project:	
Part Number:	701948SWWTM150P2 / 601106

Type 704 / 705

PDL3 MODUS

LED lighting system

701948



Ordering information

Luminaire

Example: 701948-SWTWT3-M150

701948-	T	3-		
Product	**Color temp. (CCT)**	**Body color**	**Power[1]** (Low, Med, High power settings)	**Factory preset power settings**
	4W 4000 K **5W** 5000 K	**BZ** Bronze (MH200 only) **WT** White	**M75** 75 W power (36, 50, 64 W output) **M150** 150 W power (76, 98, 119 W output) **MH200** 200 W high output power (123, 141, 164 W output)	**(blank)** High power setting (default) **P1** Medium power setting **P2** Low power setting

Product description

PDL3 MODUS sets a new standard in canopy/soffit lighting with its slim, lightweight, 1" (25 mm) design, optimized Type V symmetric distribution, included driver, and IP68 rating offering the industries best protection from dust and water intrusion.

- Standard power supply module includes three field-selectable lumen output power settings: High (default), Medium, and Low
- Faster ROI, industry-leading 10-year warranty, and virtually maintenance-free
- Energy savings up to 250% over typical HID fixtures

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Part number	Description
601108[1]	Canopy/soffit applications
601022-M	Surface mount applications

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Dimming accessories

Part number	Description
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601093[1]	Dimming controller for 150 W power supply
601094[1]	Dimming controller for 200 W power supply
701953	Occupancy sensor

Replacement parts

Part number	Description
601071	75 W power supply
601072	150 W power supply
601073	200 W power supply

Performance summary

Model	M75			M150			MH200		
Power settings	Low (36 W) **P2**	Med (50 W) **P1**	High (64 W) **(blank)**	Low (76 W) **P2**	Med (98 W) **P1**	High (119 W) **(blank)**	Low (123 W) **P2**	Med (141 W) **P1**	High (164 W) **(blank)**
Efficacy* (lm/W)	159.3	157.9	155.0	152.7	146.9	142.5	169.6	167.8	165.5
Delivered lumens*	5,670	7,869	9,951	11,540	14,800	16,880	20,700	23,210	26,040

* Driver and power controller included. Standard configuration: All models are shipped at the highest system power setting unless ordered with factory preset options P1 or P2.
[1] 601106 required by NEC code in North America.
[2] 601022-M required where fixture will not be mounted directly to a surface.
[3] Dimming controller replaces the Power Module.
Dimming controller box fits inside of all shoe housings or mounting enclosures.
[4] Based on 5000 K CCT data.
[5] All models are shipped at the highest system power setting unless ordered with factory preset options P1 or P2.

N.T.S.

1 FIXTURE TYPE 704 & 704B
N.T.S.

Halo Commercial

PD610/PD615/PD620/PD630
PDM6A
61V

DESCRIPTION

Recessed 6-inch LED lens downlight is available in various distributions, lumen and CRI/CCT options. Suitable for commercial construction and can be used for both new or renovation work. Insulation must be kept 3" from top and sides of housing. Use for general area lighting where high efficiency and visual comfort are required.

Catalog #		Type
Project		
Comments		Date
Prepared by		



PD610
PD615
PD620
PD630

PDM6A

61V

1000, 1500, 2000 & 3000 Lumen Series

LED 6-Inch Aperture Lens Downlight

THD: ≤ 20%
PF: ≥ 0.90
T Ambient: -30 ↑ +40°C
Sound Rating = 22dba

SPECIFICATION FEATURES

MECHANICAL

Frame
Boat shaped galvanized steel frame with adjustable plaster lip accommodates ceilings up to ½ – 2" thick. May be used for new construction or remodeling installations. Provided with (2) remodel clips to secure frame when installed from below the ceiling.

Mounting Brackets
Bar hanger receivers adjusts 2" vertically from above the ceiling or thru the aperture. Use with No Fuss™ bar hangers or with ½" EMT. Removable to facilitate installation from below the ceiling.

No Fuss™ Bar Hangers
Captive preinstalled bar hanger locks to tee grid with a screwdriver or pliers. Centering mechanism allows consistent positioning of fixtures.

OPTICAL

LED Module
Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixelation. Available in 80 or 90 CRI minimum, accuracy within 3 SDCM provides color uniformity. See ordering information for available CRI / CCT options. Passive thermal management achieves L70 at 50,000 hours in non IC applications. Integral diffuse lens provides visual shielding. Integral connector allows quick connection to housing flex.

Reflector
One piece parabolic aluminum reflector provides cutoff for a visually comfortable optic. Attaches to LED module with (3) speed clamps minimizing light leaks to lens. Self-flanged standard with an optional white painted flange.

Trim Retention
Reflectors are retained with two torsion springs holding the flange tightly to the finished ceiling surface.

ELECTRICAL

Junction Box
(6) ½" and (2) ¾" trade size pry outs positioned to allow straight conduit runs. Listed for (12) #12 AWG (six in, six out) 90°C conductors and feed thru branch wiring.

Driver
Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation. For 347V input use Halo transformer H347 or H347200. Continuous, flicker-free dimming from 100% to 10% with leading or trailing edge phase cut at 120V or 0 -10V analog control.

Emergency Option
Provides 90 minutes of standby lighting meeting most life safety codes for egress lighting. Available with both integral or remote charge indicator and test switch.

Compliance
- cULus listed for wet location
- cCSAus listed for wet location
- IP66 Ingress Protection Rated
- Insulation must be kept 3" from top and sides.
- Airtight per ASTM-E283.
- Optional City of Chicago environmental air (CCEA) marking for plenum applications.
- EMI/RFI emissions per FCC 47CFR Part 18 non-consumer limits.
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08.
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.
- ENERGY STAR® listed for commercial applications, reference database for current listings.

Lumens	1000 Series	
Input Voltage	120V	277V
Input Current	.103 A	.058 A
Input Power	12.1 W	13.2 W
Efficiency	88 LPW	88 LPW
Inrush Current	.048 A	.080 A

Lumens	1500 Series	
Input Voltage	120V	277V
Input Current	.146 A	.1 A
Input Power	17.1 W	17.9 W
Efficiency	87 LPW	87 LPW
Inrush Current	1.920 A	0.960 A

Lumens	2000 Series	
Input Voltage	120V	277V
Input Current	.175 A	.536 A
Input Power	20.78 W	21.06 W
Efficiency	89 LPW	89 LPW
Inrush Current	.064 A	.128 A

Lumens	3000 Series	
Input Voltage	120V	277V
Input Current	.299 A	.145 A
Input Power	35.72 W	36.4 W
Efficiency	82 LPW	82 LPW
Inrush Current	.096 A	.928 A

EATON Powering Business Worldwide

TD517003EN
5/28/2015

EATON Powering Business Worldwide

Halo Commercial

PD610/PD615/PD620/PD630
PDM6A
61V

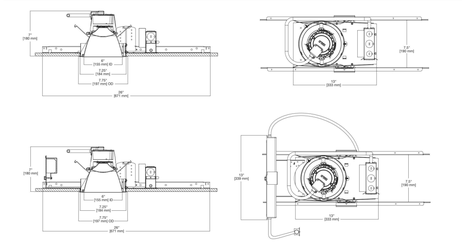
ORDERING INFORMATION

SAMPLE NUMBER: PD610ED10RESI-PDM6A827-61VC
A complete luminaire consists of a housing, LED module and reflector, order separately.

Housing	Lumens	Driver	Options	LED Module	CRI/CCT
PD6 = 6" aperture LED downlight **PD6CP** = 6" aperture LED downlight for City of Chicago plenum requirements	**10** = 1,000 lumens (nominal) **15** = 1,500 lumens (nominal) **20** = 2,000 lumens (nominal) **30** = 3,000 lumens (nominal)	**ED10** = 120-277V 50/60Hz, 0-10V and LE/TE phase cut dimming **UNV10** = 120-277V 50/60Hz, 0-10V dimming (5,000 lumen only)	**REM** = Emergency operation with integral indicator and test switch **IEM** = Emergency operation with integral indicator and test switch, 60 Hz only (REM and IEM options not available with PD6CP housing)	**PDM6A** = Downlight LED module for PD6 (available in 1,000, 1,500, 2,000, or 3,000 lumens (nominal) depending on connected housing type	**827** = 80 CRI, 2700K CCT **827** = 90 CRI, 2700K CCT **830** = 80 CRI, 3000K CCT **830** = 90 CRI, 3000K CCT **835** = 80 CRI, 3500K CCT **835** = 90 CRI, 3500K CCT **840** = 80 CRI, 4000K CCT **840** = 90 CRI, 4000K CCT

Reflector	Finish Option	Flange Option	Accessories
61V = 15° vertical parabolic reflector **61VEM** = 6° vertical parabolic reflector for IEM	**C** = Specular clear **G** = Specular gold **H** = Semi-specular clear **W** = White baffle, flangeless **BB** = Black baffle (white flange) **WB** = White baffle (white flange)	**Blank** = Polished flange standard with C, G & H reflector finishes **Blank** = White flange standard with W, BB, & WB **WF** = White flange option available with C, G, & H reflector finishes	**HB128APK** = L channel hanger bar, 26", "No-Fuss", pair (replacement) **RMB02** = 22" long wood joist mounting bars, pair **H347** = Step down transformer for 347V input (277V output transformer for 347V input, 720VA max) **H347200** = Step down transformer for 347V input, 200VA max

DIMENSIONS



2 FIXTURE TYPE 101BL
N.T.S.

Customer:	RACETRAC INC.
Project:	
Part Number:	RADPTLED P3 40K SYM MVOLT RADPT20 FAO DDBXD

Type 507



Radean Post Top

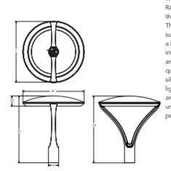
LED Area Luminaire

Buy American

Catalog Number
Notes
Type

Specifications

EPA: 1.02 ft² (0.10 m²)
Length: 24" (61 cm)
Width: 24" (61 cm)
HT Luminaire Height: 4' (1.16 m)
HZ Luminaire Height: 26" (66.04 cm)
Weight: 38lbs (17.20Kg)



Introduction

The architecturally-inspired shape of the RADEAN™ post top area luminaire embodies the grace and strength of the RADEAN family. The twin copper-core cast aluminum arms support the slender superstructure, creating a beautiful sculpture by day transforming into a beacon of comfort by night. Triangular arms redirect reflection maintaining its visually quiet appearance. With sleek lines and simple silhouettes, these LED luminaires use specialized lighting and visual comfort to transform common areas like courtyards, outdoor retail locations, universities and corporate campuses into pedestrian-friendly nighttime environments.

Ordering Information

EXAMPLE: RADPT LED P3 30K SYM MVOLT PT4 PIR DNAXD

RADPTLED							
Series	Performance package	Color temperature	Distribution	Voltage	Mounting (required)		
RADPTLED	P1 3,000 lumens P2 5,000 lumens P3 7,000 lumens P4 9,000 lumens P5 11,000 lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	SYM Symmetric Type V ASY Asymmetric Type V FWSY Pathway Type III	MVOLT[1] 277 120 347 240 480 347	PT4 Slip fitter for 4" (102 mm) post top RADPT20 Slip fitter for 2 7/8" (76 mm) tenon RADPT25 Slip fitter for 3" (76 mm) tenon		
Control options	Other options		Finish (required)				
Shipped installed NLTAIR2 nLight AIR 2 (10 yr)[2] PIR Bi-level motion sensor (9.5ft mounting height) PIR1FC3V Bi-level motion sensor (9.5ft mounting height, 1-10V, 3V) PE Button photocell[3] PER Field adjustable photocell[3]	SF Single fuse[4] DF Double fuse[4] RBA Rocket Base[5]	Shipped installed HS Houseside shield[6]	DDBXD Dark Bronze DBLXD Black DNATXD Natural aluminum DWHXD White	DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white			

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com RADPT-LED Rev. 03/11/21

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3 FIXTURE TYPE 507
N.T.S.

INCORPORATED SPB - 2021_0501

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DESIGN PROFESSIONALS

PROJECT MANAGER: AH
CHECKED BY: DC
DRAWN BY: BR

ISSUE/REVISION RECORD

DATE	DESCRIPTION
12/03/20	PERMIT SET
11/22/21	REV 1 CODE COMMENTS
05/16/22	REFRESH 2021-05

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

PROJECT NAME

ANVIL BLOCK, GA
ELLENWOOD GA, 30294
4443 OLD DUNN COURT

RACETRAC STORE NUMBER
1478

PROTOTYPE SERIES
2021 LH MO 0507

PLAN MODIFICATION NOTICE
SPB NO. 0507 **DATE** 12/08/21
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PROFESSIONAL SEAL

FOR REFERENCE ONLY

PROJECT NUMBER
63200243

SHEET TITLE
PHOTOMETRY CUT SHEETS

SHEET NUMBER
SP-3