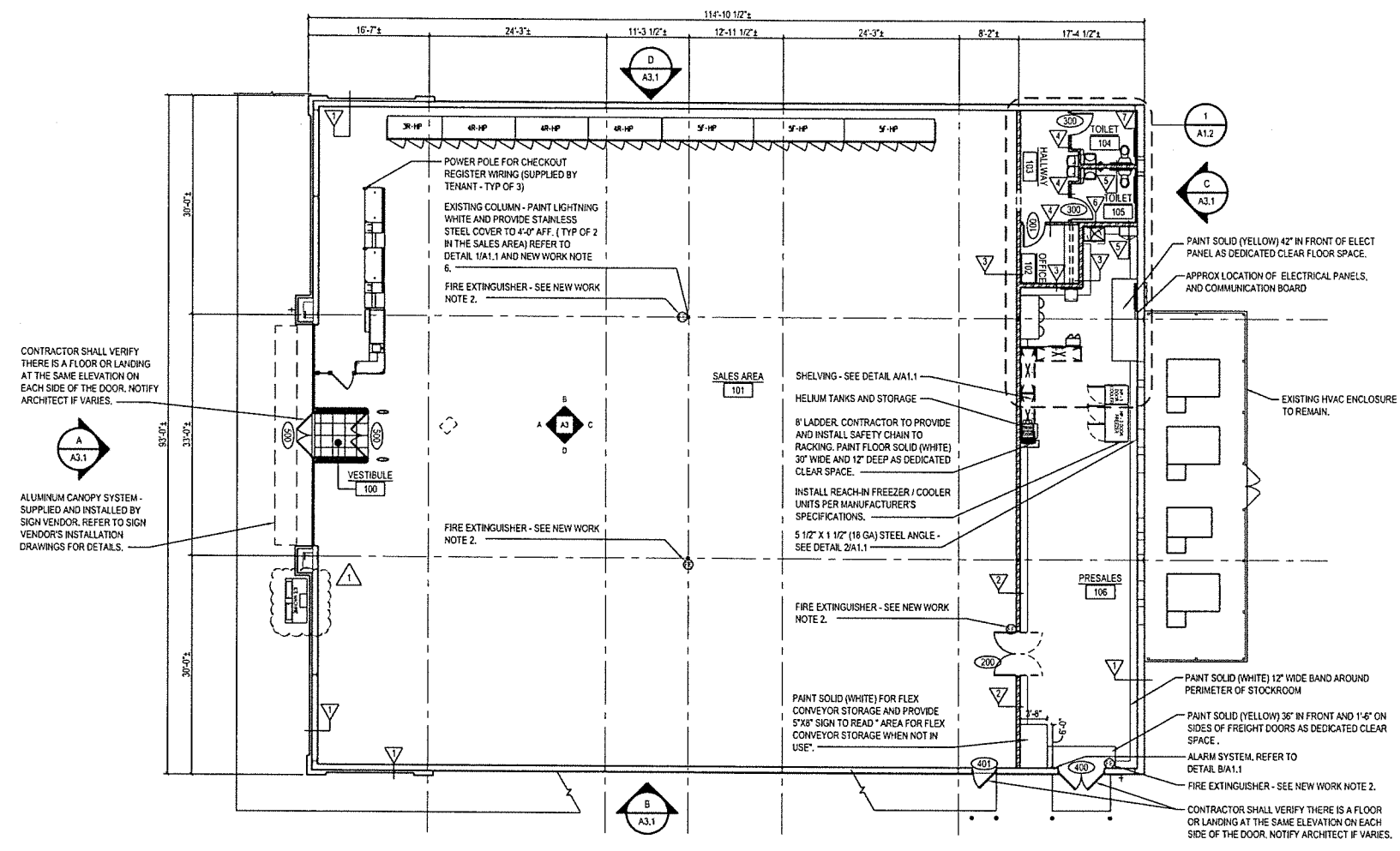


WALL CONSTRUCTION TYPES	
▽	EXTERIOR DEMISING WALL: EXISTING PRE-ENGINEERED WALL AND GWB. PATCH AND REPAIR WALL AS REQUIRED. FINISH PER FINISH SCHEDULE, SHEET A4.
▽	PARTITION WALL: 6" (20 GA) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB EACH SIDE TO ROOF DECK. SEE DETAIL 4/A. FINISH PER FINISH SCHEDULE, SHEET A4.
▽	PARTITION WALL: 6" (20 GA) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB EACH SIDE TO ROOF DECK ON SALES / STOCKROOM SIDE AND TO FINISHED CEILING ON TOILET ROOM / HALLWAY SIDE. SEE DETAIL 3/A FOR ADDITIONAL REQUIREMENTS. FINISH PER FINISH SCHEDULE, SHEET A4.
▽	PARTITION WALL: 3 5/8" (20 GA) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB EACH EXPOSED SIDE TO FINISHED CEILING. PLUMBING WALLS ON INTERIOR OF TOILETS SHALL HAVE WATER RESISTANT GWB. SEE DETAIL 3/A1.2. FINISH PER FINISH SCHEDULE, SHEET A4.
▽	PLUMBING PARTITION: 6" (20 GA) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB EACH EXPOSED SIDE TO FINISHED CEILING. PLUMBING WALLS ON INTERIOR OF TOILETS SHALL HAVE WATER RESISTANT GWB. FINISH PER FINISH SCHEDULE, SHEET A4.
▽	PARTITION WALL: 3 5/8" (18 GAGE) / 6" (18 GAGE) METAL STUDS @ 12" OC (4'-0" WIDE ON LONG SIDE AND 3'-0" WIDE ON SHORT SIDE OF 1/2" SP SKIN) WITH ONE LAYER 5/8" GWB EACH SIDE TO ROOF DECK. PROVIDE WATER RESISTANT GWB ON PLUMBING SIDE ONLY. SEE DETAIL 2/A1.2. FINISH PER FINISH SCHEDULE, SHEET A4.
▽	PARTITION WALL: EXIST PRE-ENGINEERED WALL. PROVIDE 3 5/8" (20 GA) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB TO FINISHED CEILING. PROVIDE WATER RESISTANT GWB. FINISH PER FINISH SCHEDULE SHEET A4.

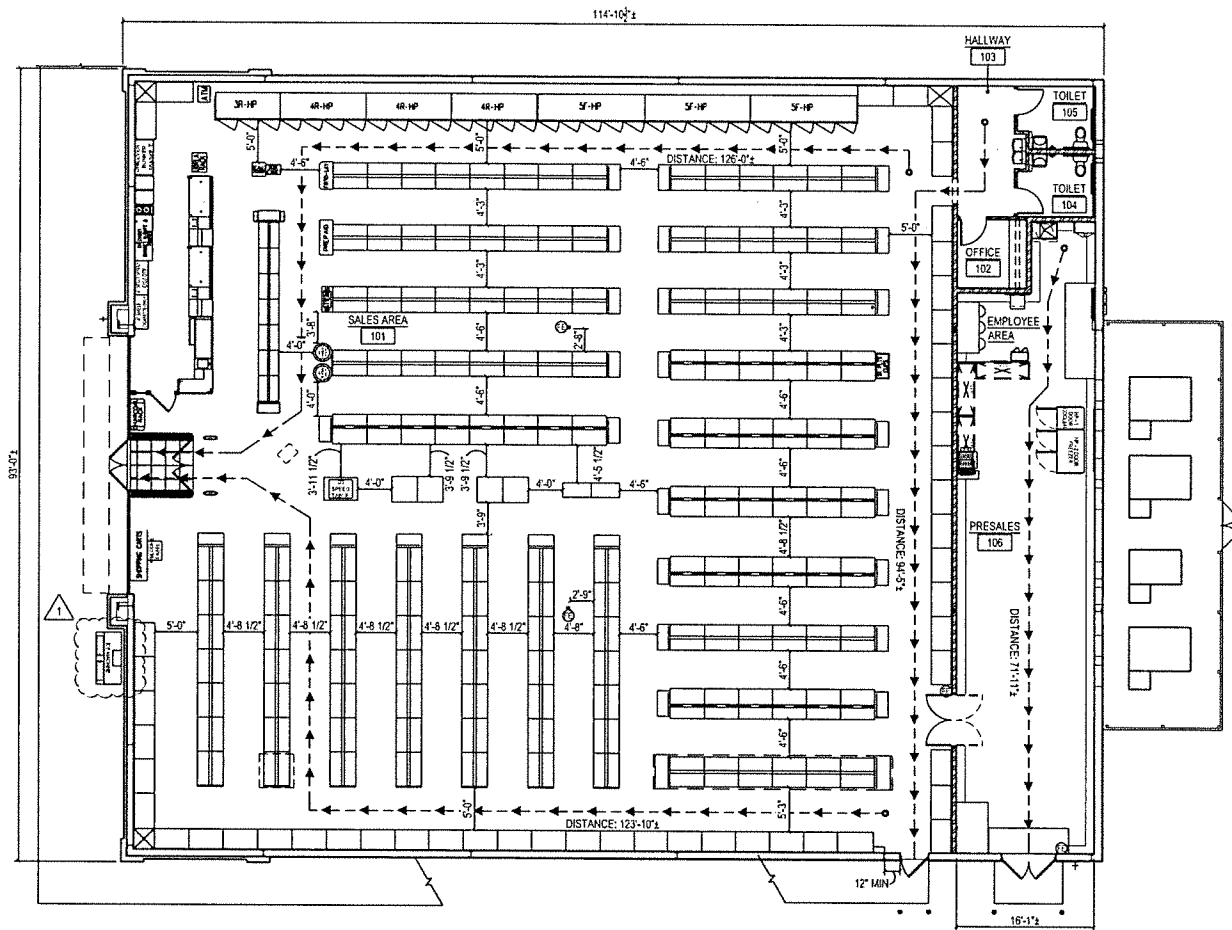
FAMILY DOLLAR GENERAL NOTES

- KEY BOX NOTE:**
G.C. SHALL PROVIDE KEY BOX FOR LOCK ACCESS DURING PUNCHOUT AND TURNOVER. COMBINATION MUST MATCH LAST FOUR DIGITS OF STORE NUMBER.
DESIGNER NOTE: GC TO PROVIDE EYE BOLT EMBEDDED 12" MIN. INTO TOP OF LOADING AREA BOLLARD WITH DIAMETER SIZED FOR KEY LOCK BOX.
- KNOX BOX NOTE:**
IF A KNOX BOX ENTRY SYSTEM IS REQUIRED BY THE CODES GOVERNING THE CONSTRUCTION OF THE PROJECT, PROVIDE RECESSED KNOX BOX PROVIDED BY THE GC PRIOR TO THE COMPLETION OF THE PROJECT. LOCATE PER LOCAL CODE REQUIREMENTS. KNOX BOX CONTACT - 888-625-4563
- CERTIFICATE OF OCCUPANCY**
G.C. IS RESPONSIBLE FOR THE 'CERTIFICATE OF OCCUPANCY'. CERTIFICATE TO BE FRAMED AND MOUNTED IN THE MANAGERS OFFICE. IF MUNICIPALITY DOES NOT ISSUE A COO, IT IS THE RESPONSIBILITY OF THE G.C. TO GET A LETTER FROM THE MUNICIPALITY STATING AS SUCH ON CITY/COUNTY LETTERHEAD AND THAT LETTER IS TO BE FRAMED AND MOUNTED IN MANAGERS OFFICE.
- SIGN FOR GROUND UP STORES SIGN FOR IN-LINE STORES**
- THIS IS A TOBACCO FREE CAMPUS**
- SMOKE FREE FACILITY**
- SMOKE FREE NOTE:** PROVIDE SIGNAGE AT EVERY ENTRY POINT ON EXTERIOR WALL INTO THE BUILDING PER THE GROUND UP OR IN-LINE STORE TYPE ABOVE. SIGNS MUST BE 10"x14" IN SIZE. THE MATERIAL IS PREFERRED TO BE ALUMINUM. SIGNS MAY BE FOUND AT WWW.compliancesigns.com
- HIGH PILED STORAGE NOTE:**
NO HIGH PILED STORAGE, AS DEFINED BY THE CODES GOVERNING THE JURISDICTION IN WHICH THE PROJECT IS CONSTRUCTED, SHALL BE ALLOWED.
- FREEZER / COOLER NOTE:**
ALL REACH-IN FREEZER / COOLER UNITS ARE SELF CONTAINED. REFER TO SHEET DS1 FOR SPECIFICATION.

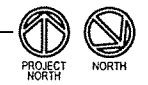


FLOOR PLAN
SCALE: 1/8" = 1'-0"

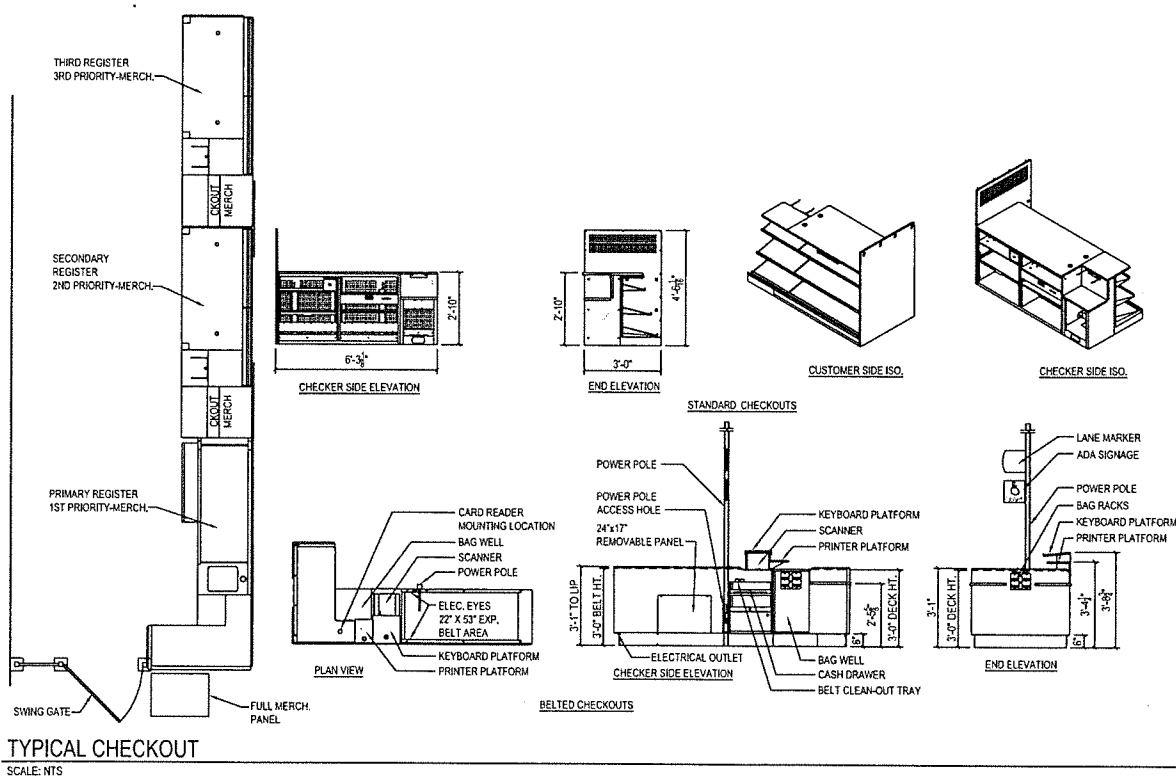
EXTERIOR (SEE ADD description)	
SUB by	
02/15/2022 date	
mark revisions	
01/27/2022 date	221447 project
BS designed	BS drawn
BS checked	BS checked
RRMM ARCHITECTS, P.C. 1317 Executive Blvd, Suite 200 Chesapeake, VA 23320 (757) 622-2828 / fax (757) 622-6883	
FAMILY DOLLAR FAMILY DOLLAR STORE, FD# 195732 HICKORY TAVERN, SC (GRAY COUNTY) FLOOR PLAN AND WALL CONSTRUCTION TYPES	
project	drawing
sheet	
A1	



FIXTURE / EGRESS PLAN
SCALE: 1/8" = 1'-0"

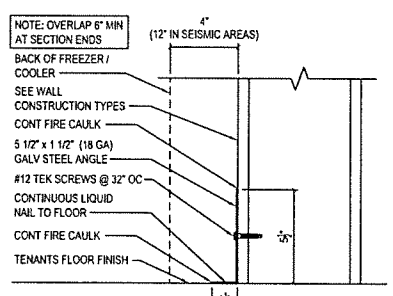


- NOTES:**
1. NO GONDOLA UNITS, FIXTURES, OR PALLETS SHALL BE OVER 8'-0" AFF.
 2. FIXTURE PLAN IS "FOR REFERENCE ONLY." CONTRACTOR SHALL CONTACT DOLLAR TREE FOR FINAL APPROVED LAYOUT.
 3. MAXIMUM TRAVEL DISTANCE SHALL BE 200'-0". ACTUAL TRAVEL DISTANCE AS SHOWN: (--->)
 4. CHECKOUTS ARE NOT ATTACHED TO FLOOR.
 5. REFER TO STRUCTURAL DRAWINGS FOR FIXTURE ATTACHMENT DETAILS.

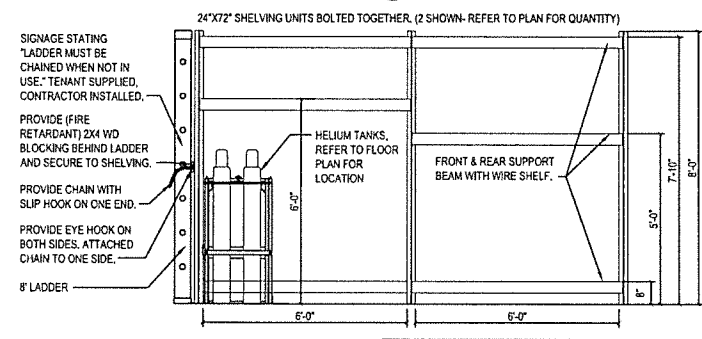


TYPICAL CHECKOUT
SCALE: NTS

- NOTE:**
1. CHECKOUTS AND POWER POLES ARE TENANT SUPPLIED / CONTRACTOR INSTALLED.
 2. CHECKOUT AISLES SHALL COMPLY WITH 2018 INTERNATIONAL BUILDING CODE SECTION 1108.12.2 (PROVIDE 2 when 5 or more)
 3. PROVIDE SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN BLUE AND WHITE ABOVE EACH CHECKOUT AISLE IN THE SAME LOCATION AS THE CHECKOUT NUMBER OR TYPE OF CHECKOUT IDENTIFICATION.

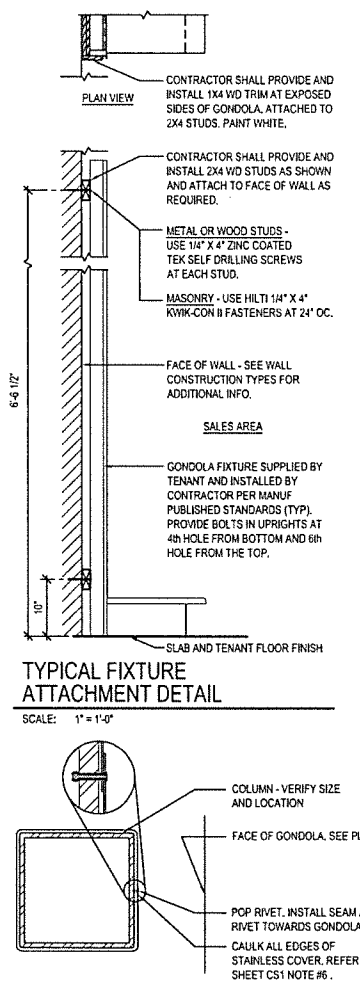


2 DETAIL
A1.1 SCALE: 3\"/>

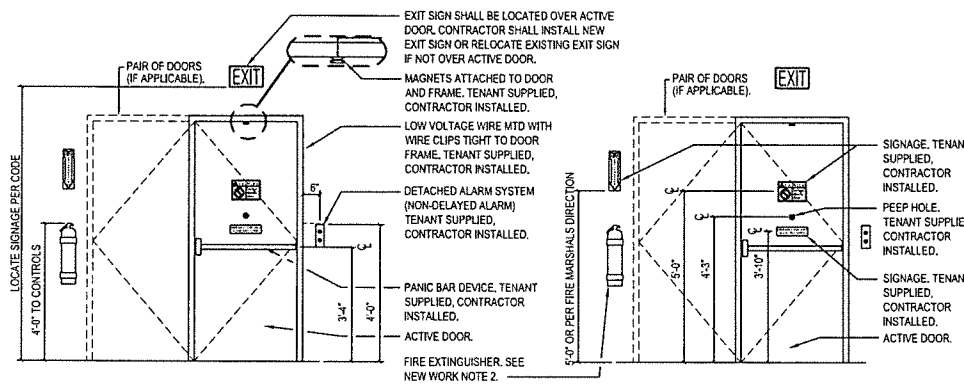


A SHELVING ELEVATION
A1.1 SCALE: 1/2\"/>

1 COLUMN DETAIL
A1.1 SCALE: 1 1/2\"/>

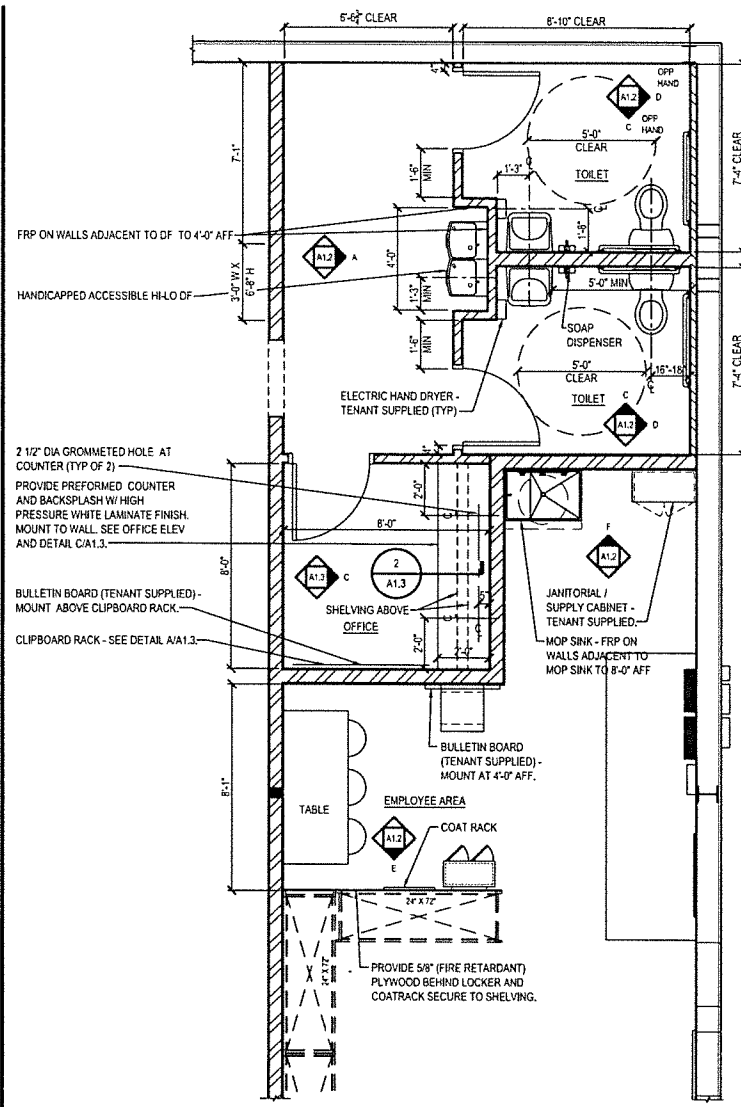


TYPICAL FIXTURE ATTACHMENT DETAIL
SCALE: 1\"/>

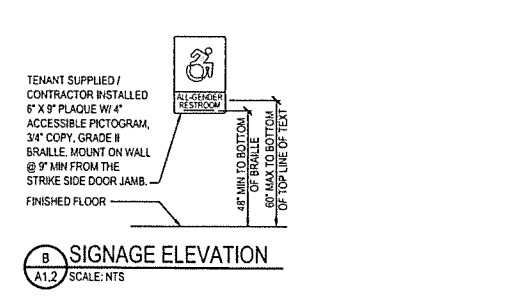
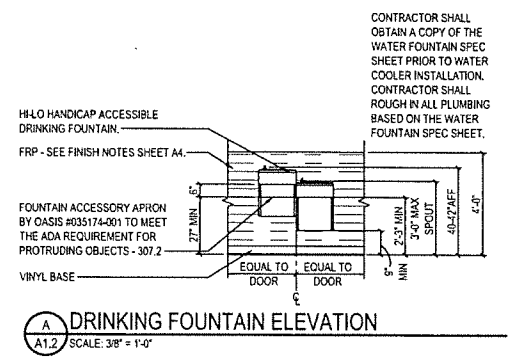


B FREIGHT DOOR ELEVATION (EGRESS DOOR SIMILAR)
A1.1 SCALE: 1/2\"/>

PROJECT: FAMILY DOLLAR STORE, FDN# 799732
 ARCHITECT: RRRMM ARCHITECTS, P.C.
 DATE: 02/15/2022
 DRAWN: [Signature]
 CHECKED: [Signature]
 PROJECT NO: 0170202
 SHEET NO: A1.1
 DATE: 02/15/2022
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]



1 ENLARGED PLAN
A1.2 SCALE: 3/8" = 1'-0"

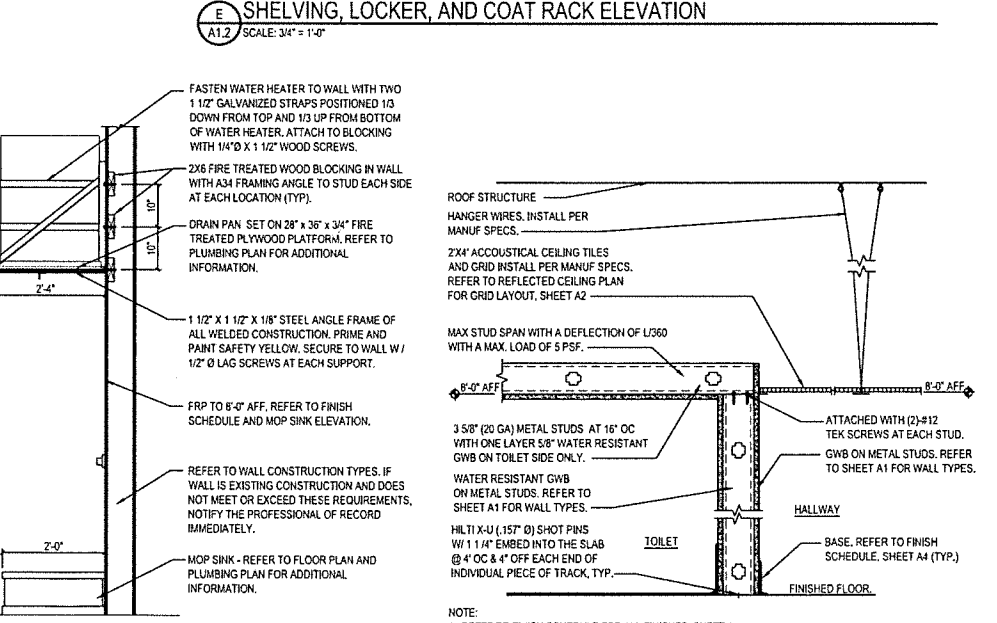
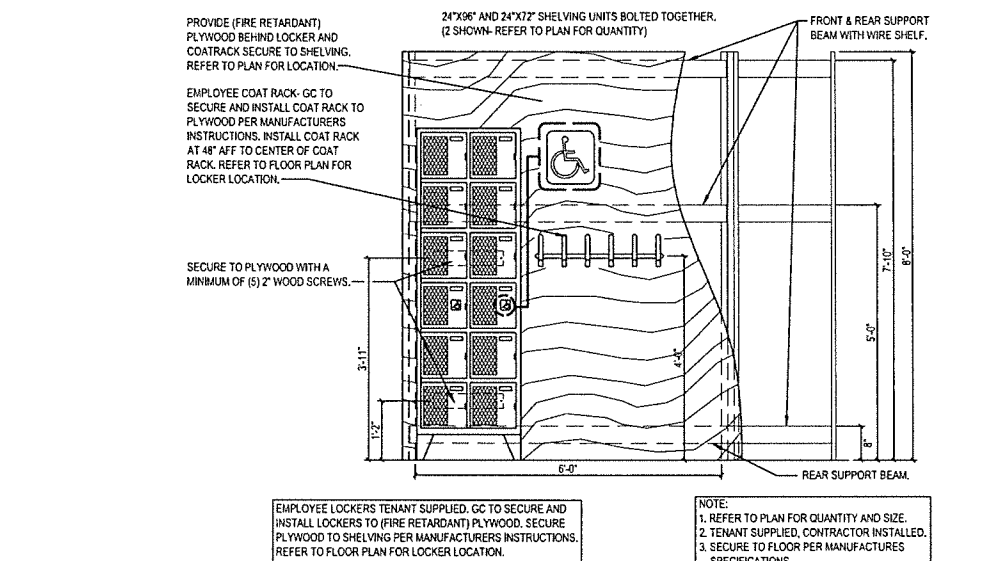
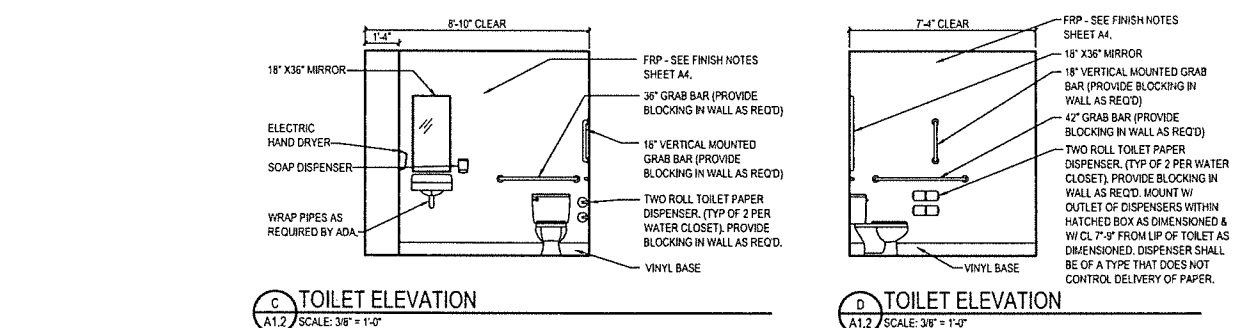
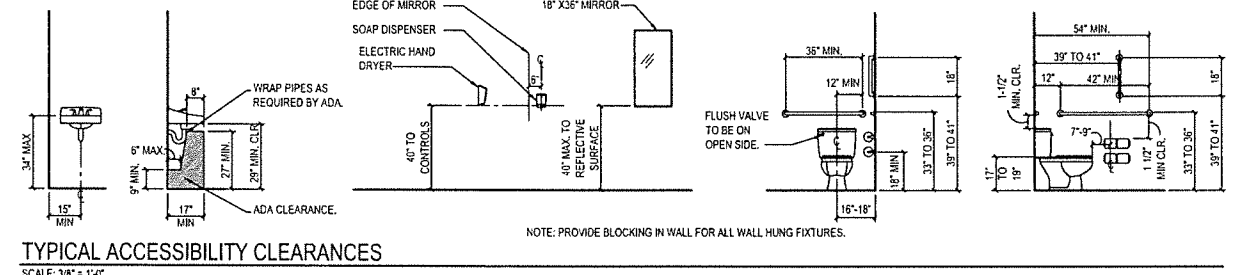


A DRINKING FOUNTAIN ELEVATION
SCALE: 3/8" = 1'-0"

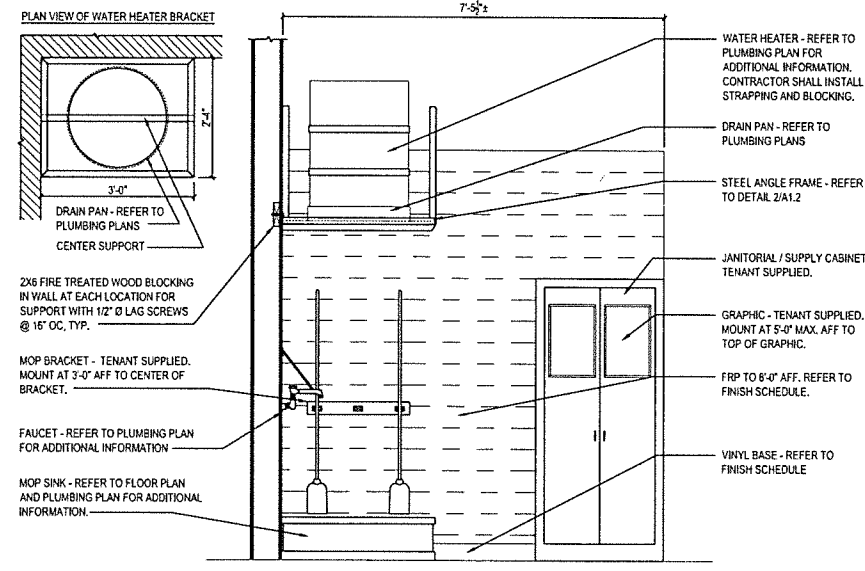
B SIGNAGE ELEVATION
SCALE: NTS

GENERAL REST ROOM NOTES:

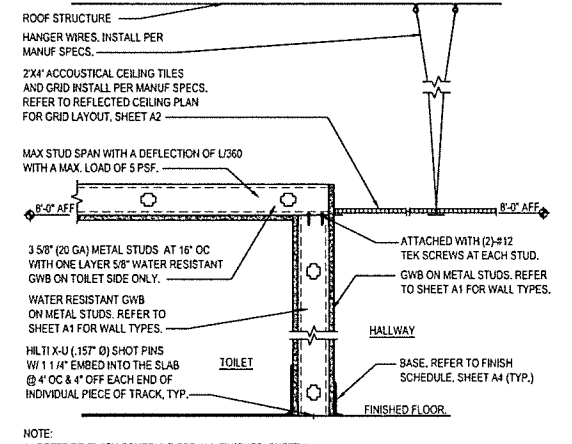
- LAYOUT OF TOILET ROOM FACILITIES SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, INCLUDING ALL ADA REQUIREMENTS. SUBMIT ANY MODIFIED LAYOUTS TO FAMILY DOLLAR FOR THEIR REVIEW AND APPROVAL.
- TOILET ACCESSORIES ARE SUPPLIED BY TENANT AND INCLUDE THE FOLLOWING ACCESSORIES FOR EACH TOILET:
18" X 36" WALL MIRROR WITH CONCEALED MOUNTING CENTERED OVER EACH LAVATORY. INSTALL W/ BASE OF REFLECTIVE SURFACE @ 40" A.F.F. PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
DUAL ROLL TOILET TISSUE DISPENSER, 18 GA. CHROME PLATED STEEL OR APPROVED EQUAL. INSTALL PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
STN. STL. COAT HOOK MOUNTED TO DOOR FACE OR APPROVED EQUAL. INSTALL HOOK @ 4'-0" A.F.F. MAX.
1 1/4" - x 3/8" & 42" & 18" STN. STL. CODE APPROVED GRAB BARS MOUNTED TO WALL. INSTALL GRAB BARS PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
PROVIDE JUNCTION BOX PER ELECTRICAL DRWGS. FOR TENANT SUPPLIED AND INSTALLED HAND DRYER.
SOAP DISPENSER MOUNTED PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
CODE APPROVED ROOM IDENTIFICATION SIGN INSTALLED ADJACENT TO STRIKE JAMB LATCH SIDE OF DOOR W/ HORIZONTAL CENTERLINE @ 50" A.F.F.
- INSTALL CONTINUOUS FIRE RETARDANT TREATED 2x6 BLOCKING BETWEEN STUDS FOR ALL HANDRAILS, GRAB BARS, FIXTURES, BRACKETS, ACCESSORIES, CABINETS, AND MISC. SPECIALTIES AS REQUIRED, UNLESS NOTED OTHERWISE.
- USE 5/8" MOISTURE RESISTANT G.W.B. (GREENBOARD) FOR TOILET ROOM WALLS.
- DOOR HARDWARE MUST BE MOUNTED BETWEEN 34" (MIN.) & 48" INCHES (MAX.)
- FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.



2 WATER HEATER MOUNTING DETAIL
A1.2 SCALE: 3/4" = 1'-0"



F MOP SINK AND UTILITY CABINET ELEVATION
A1.2 SCALE: 3/4" = 1'-0"



3 CEILING DETAIL AT TOILET / HALLWAY
A1.2 SCALE: 1 1/2" = 1'-0"

project description by date mark revisions

01/27/2022 2/11/23 BS BS
date project designed drawn checked

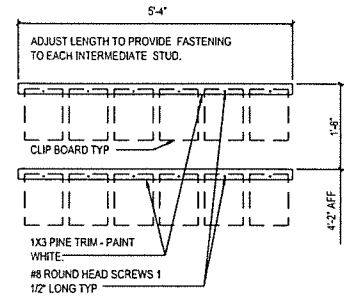
RRMM ARCHITECTS, P.C.
1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757) 622-2828 / fax (757) 622-6883

STATE OF SOUTH CAROLINA
DONNA J. BARNETT
Chesapeake, VA 23060
REGISTERED ARCHITECT

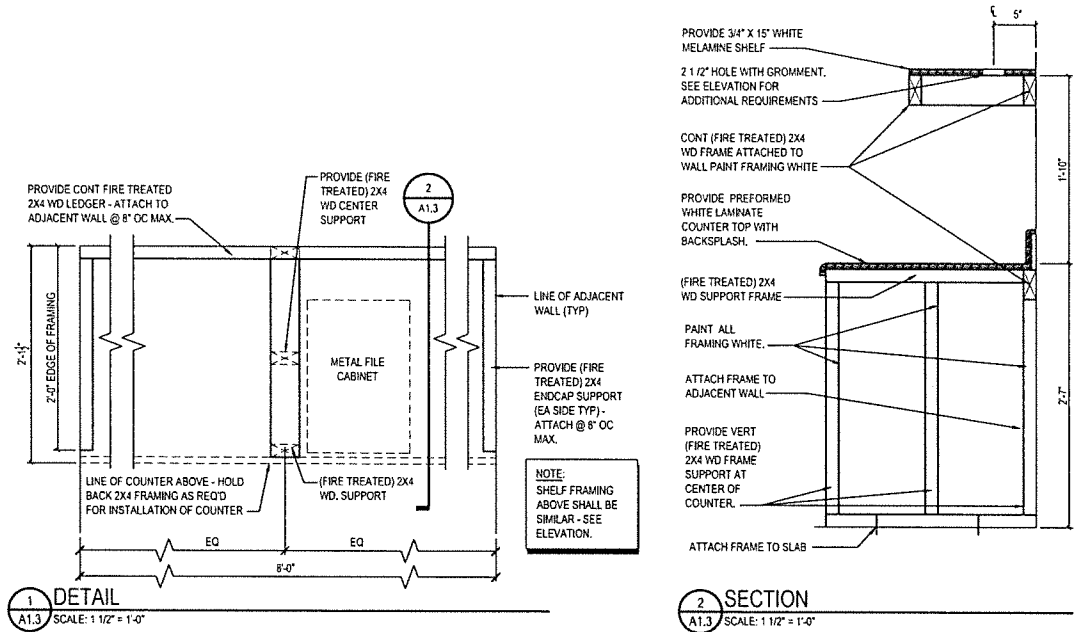
STATE OF SOUTH CAROLINA
RRMM Architects, P.C.
Chesapeake, VA 23060
REGISTERED ARCHITECTS

project drawing sheet
FAMILY DOLLAR
FAMILY DOLLAR STORE, FDH 799732
HICKORY TAVERN, SC (GRAY COURT)
ENLARGED PLAN, DETAILS, SECTION AND ELEVATIONS

A1.2

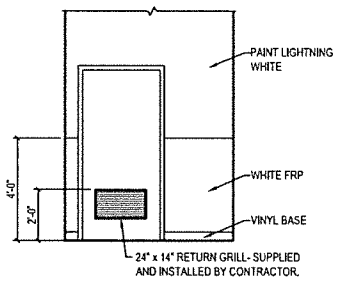


A CLIP BOARD RACK ELEVATION
A1.3 SCALE: 3/4" = 1'-0"

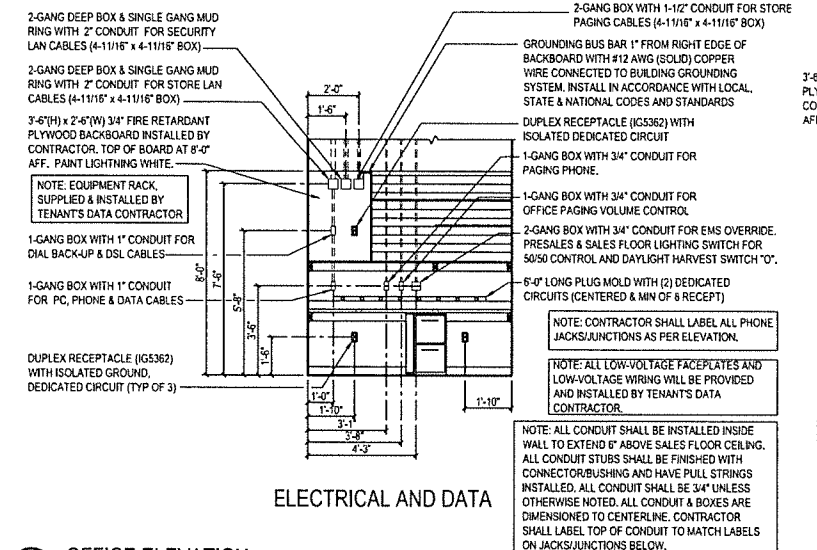


1 DETAIL
A1.3 SCALE: 1 1/2" = 1'-0"

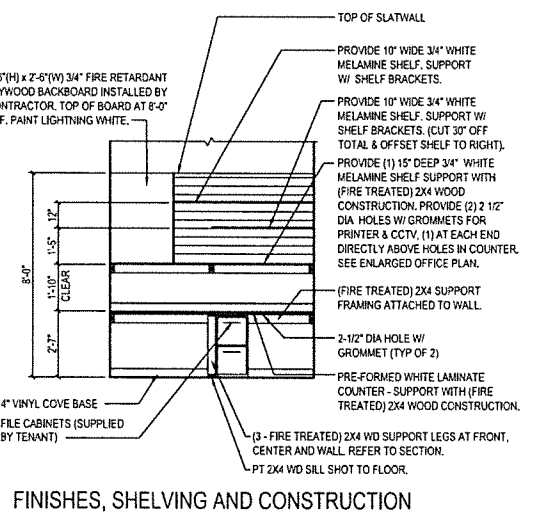
2 SECTION
A1.3 SCALE: 1 1/2" = 1'-0"



B OFFICE ELEVATION
A1.3 SCALE: 3/8" = 1'-0"

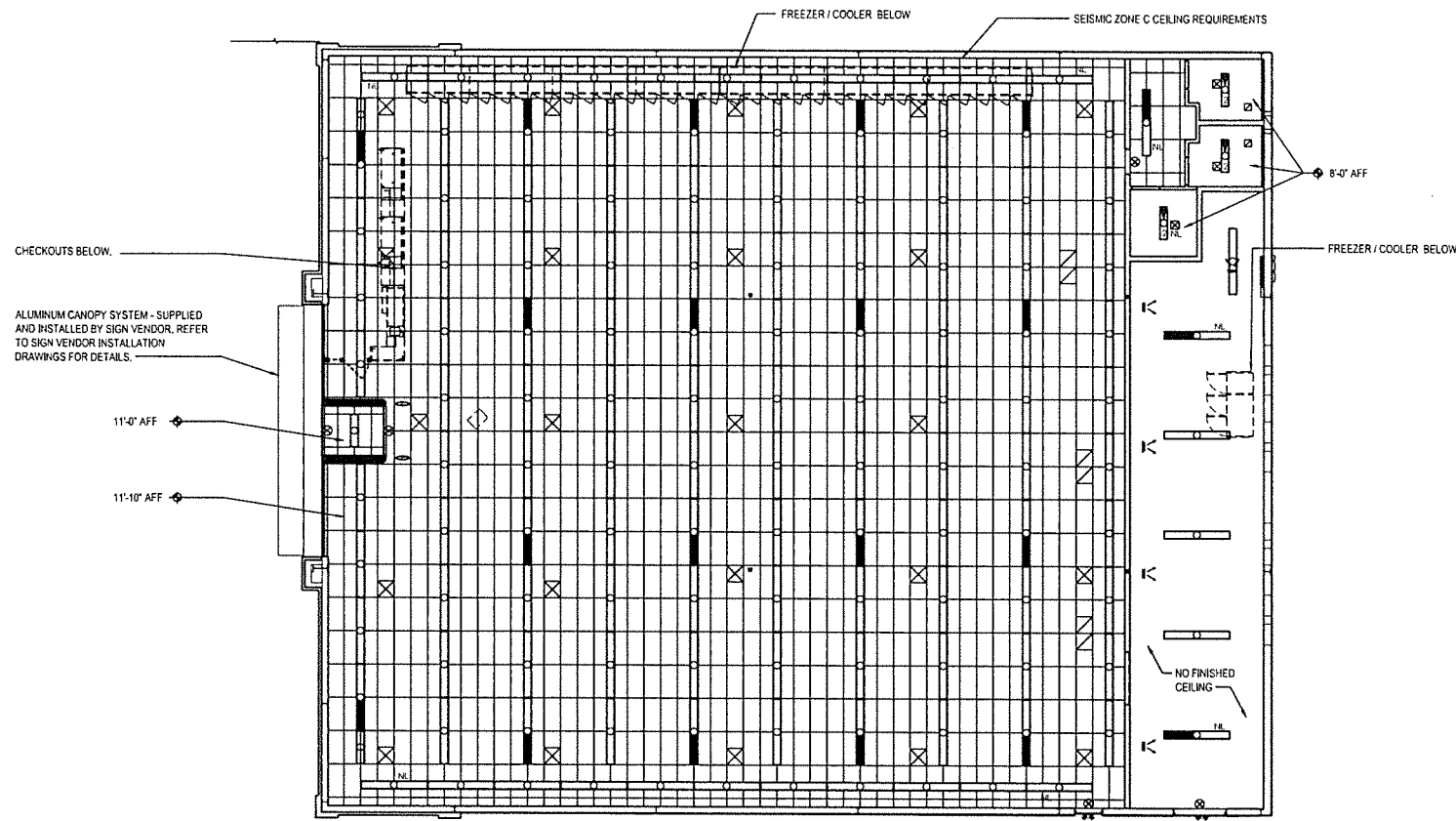


C OFFICE ELEVATION
A1.3 SCALE: 3/8" = 1'-0"



FINISHES, SHELVING AND CONSTRUCTION

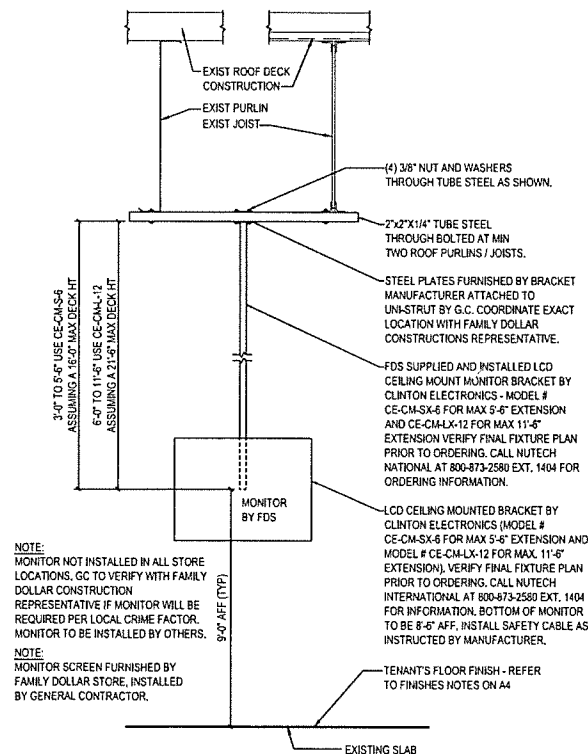
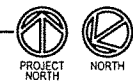
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01/07/02	2/11/07	BS	BS						
date	project	designed	drawn	checked	date	mark	revision		
RRMM ARCHITECTS, P.C. 1317 Executive Blvd, Suite 200 Chesapeake, VA 23320 (757) 622-2828 / fax (757) 622-6883									
FAMILY @ DOLLAR FAMILY DOLLAR STORE, FD# 799732 HICKORY TAVERN, SC (GRAY COURT) ENLARGED PLAN, DETAILS, SECTION AND ELEVATIONS									
project		drawing							
sheet									
A1.3									



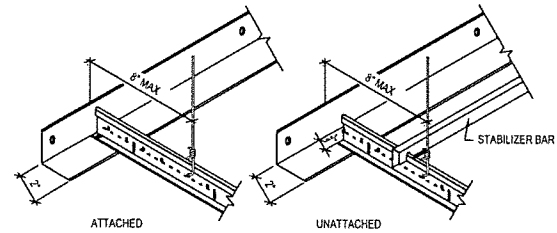
- NOTE 1: THE ELECTRICIAN SHALL INSTALL ADDITIONAL #12 WIRE TIE SUPPORTS FROM THE CEILING GRID TO THE STRUCTURE ABOVE FOR SUPPORT OF THE LIGHT FIXTURES CLIPPED ON THE GRID.
 NOTE 2: LIGHT FIXTURES ARE TENANT SUPPLIED / CONTRACTOR INSTALLED.
 NOTE 3: MOUNT LIGHTS 10'-0" AFF IN STOCKROOM.
 NOTE 4: SEISMIC ZONE C CEILING REQUIREMENTS, ARMSTRONG SEISMIC RX SUSPENSION SYSTEM ICC REPORT ESR-1308. MINIMUM 7/8" WALL MOLDING. SUSPENSION SYSTEM MAY BE CUT TIGHT ON TWO ADJOINING WALLS. MINIMUM 3/8" CLEARANCE ON TWO UNATTACHED WALLS. BERC OR BERC2 ON ALL MAIN BEAMS.

REFLECTED CEILING LEGEND			
	2'-0" X 4'-0" ACOUSTICAL CEILING TILE AND GRID- SEE FINISH NOTE 4.		EXIT LIGHT
	GW/B - PAINT WHITE UNLESS OTHERWISE NOTED.		VENTILATION FAN
	8'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON NIGHT LIGHT CIRCUIT. SURFACE MOUNT TO GW/B AND ACT CEILING.		CEILING HEIGHT ABOVE FINISH FLOOR
	8'-0" STRIP LED LIGHT FIXTURE. SURFACE MOUNT TO GW/B AND ACT CEILING.		DIFFUSER
	8'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON EMERGENCY LIGHT CIRCUIT WITH BATTERY PACK. SURFACE MOUNT TO GW/B AND ACT CEILING. FOR FIXTURES WITH 4 LAMPS, THE EMERGENCY BATTERY PACK WILL ONLY OPERATE 2 OF THE LAMPS.		RETURN AIR GRILLE
	4'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON NIGHT LIGHT CIRCUIT. SURFACE MOUNT TO TO GW/B AND ACT CEILING.		POWER POLE
	4'-0" STRIP LED LIGHT FIXTURE. SURFACE MOUNT TO ACT AND GW/B CEILING.		EMERGENCY LIGHT FIXTURE
	4'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON EMERGENCY LIGHT CIRCUIT WITH BATTERY PACK. SURFACE MOUNT TO TO GW/B AND ACT CEILING.		

REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



- NOTE: MONITOR NOT INSTALLED IN ALL STORE LOCATIONS. GC TO VERIFY WITH FAMILY DOLLAR CONSTRUCTION REPRESENTATIVE IF MONITOR WILL BE REQUIRED PER LOCAL CRIME FACTOR. MONITOR TO BE INSTALLED BY OTHERS.
- NOTE: MONITOR SCREEN FURNISHED BY FAMILY DOLLAR STORE, INSTALLED BY GENERAL CONTRACTOR.



TYPICAL WALL MOLDING DETAIL
SCALE: 3/4" = 1'-0"

1 MONITOR DETAIL
A2 SCALE: 1" = 1'-0"

RRMM ARCHITECTS, P.C.

1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757)622-2828 / fax (757)622-8883

date	project	designed	drawn	checked
01/27/2022	23114-07	BS	BS	DAE

mark	date	revisions

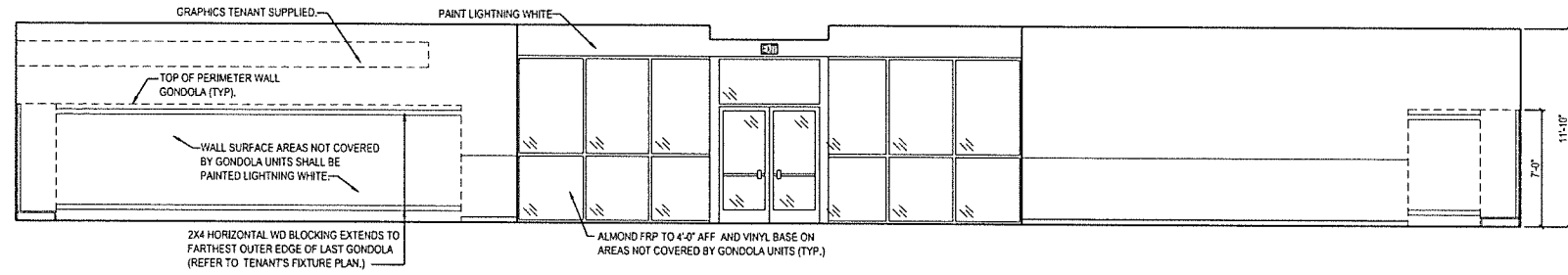
STATE OF SOUTH CAROLINA
DONNA L. SUMMERS
Chesapeake, VA
6928
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
RRMM Architects, P.C.
CHESAPEAKE, VA
23061
REGISTERED ARCHITECTS

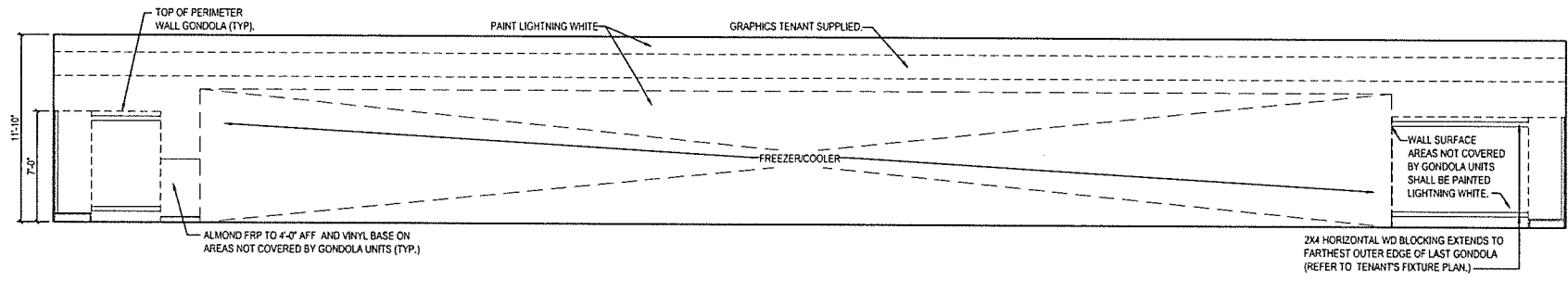
FAMILY DOLLAR
FAMILY DOLLAR STORE, FDI# 799732
HICKORY TAVERN, SC (GRAY COURT)
REFLECTED CEILING PLAN AND LEGEND

project drawing sheet

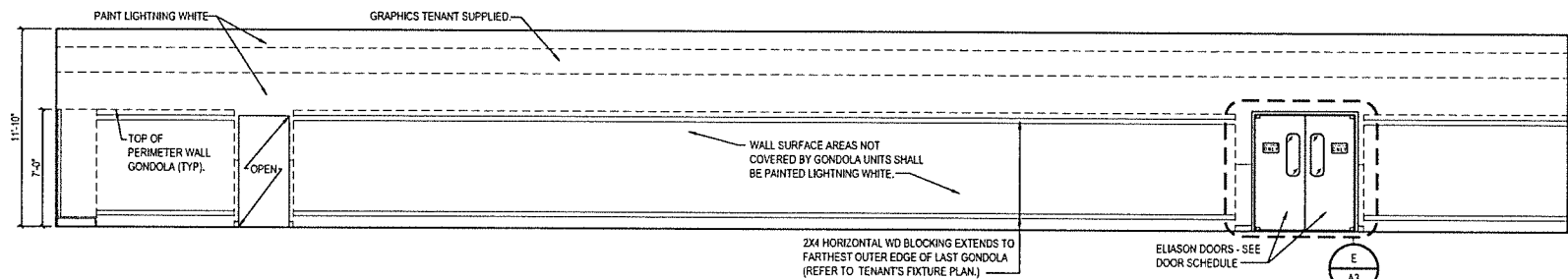
A2



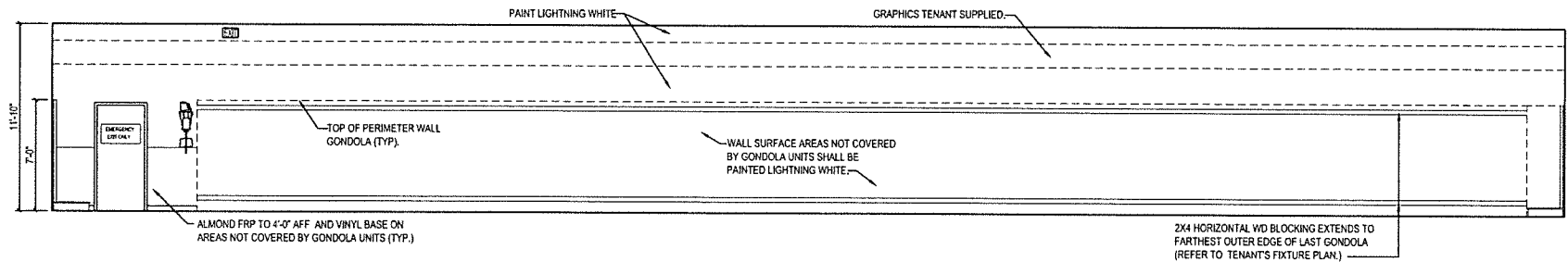
A INTERIOR ELEVATION
A3 SCALE: 1/4" = 1'-0"



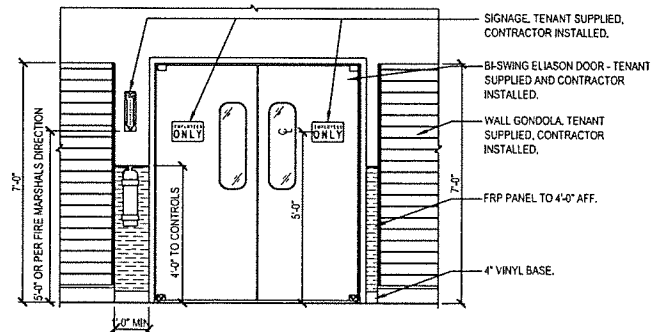
B INTERIOR ELEVATION
A3 SCALE: 1/4" = 1'-0"



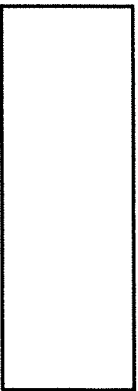
C INTERIOR ELEVATION
A3 SCALE: 1/4" = 1'-0"



D INTERIOR ELEVATION
A3 SCALE: 1/4" = 1'-0"

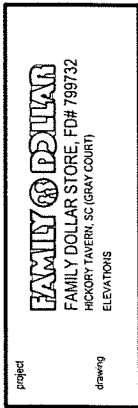
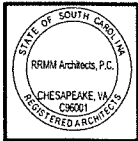
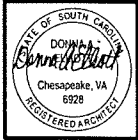


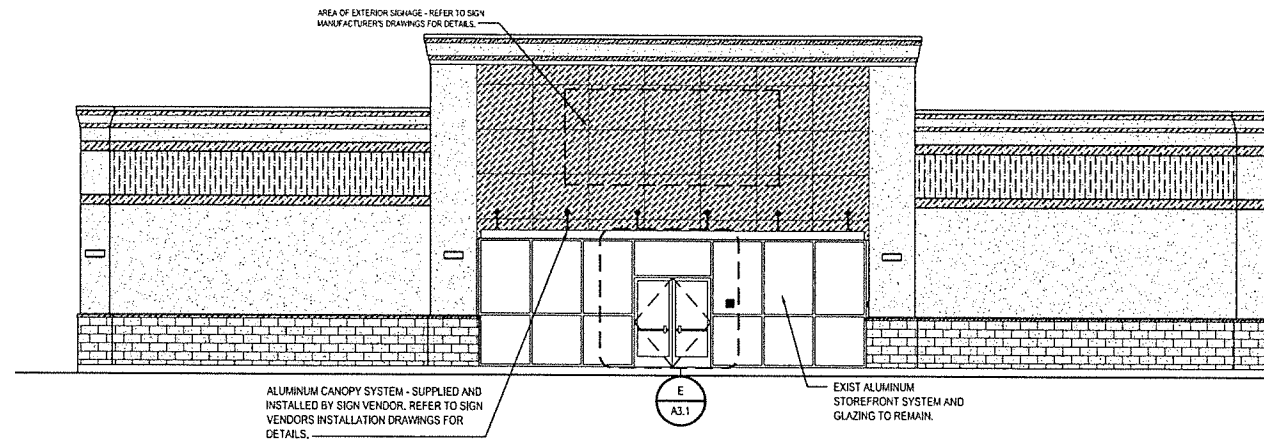
E SALES / STOCKROOM ELIASON DOOR ELEVATION
A3 SCALE: 1/2" = 1'-0"



description	
by	
date	
revisions	

date	project	designed	drawn	checked
01/27/2022	Z11447	AS	AS	DAE

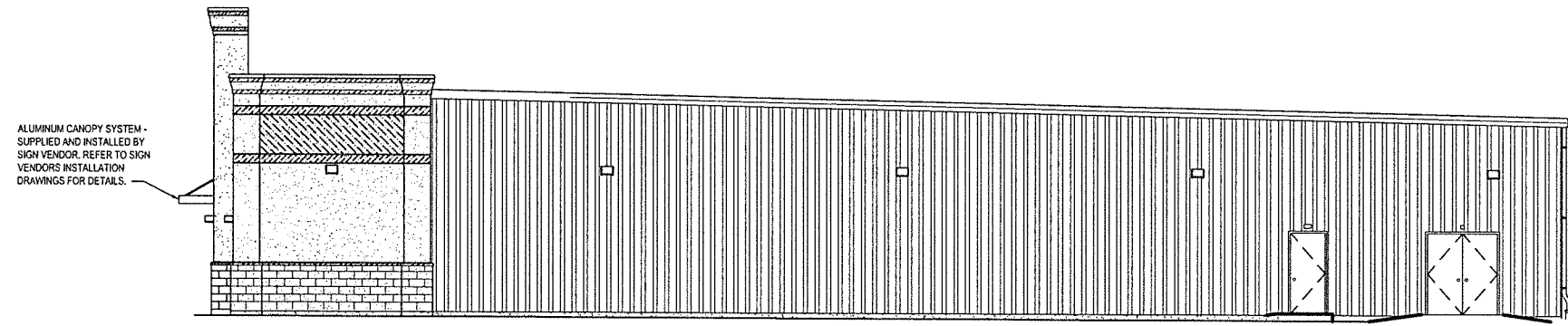




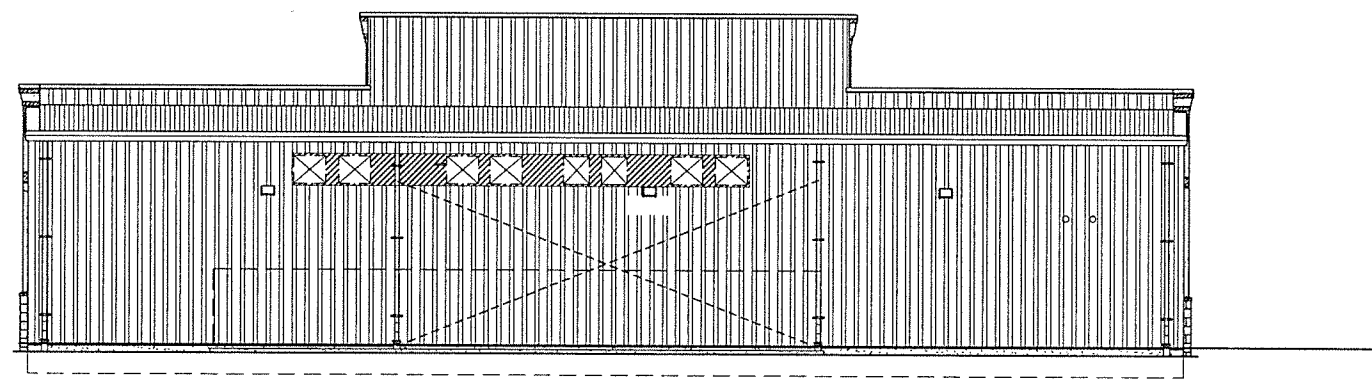
A EXTERIOR ELEVATION
A3.1 SCALE: 3/16" = 1'-0"

NOTE:
SIGNS, LOCATION, NUMBER AND SIZE ARE NOT APPROVED UNDER THIS BUILDING PERMIT. A SEPARATE SIGN LOCATION PERMIT IS REQUIRED FOR EACH SIGN.

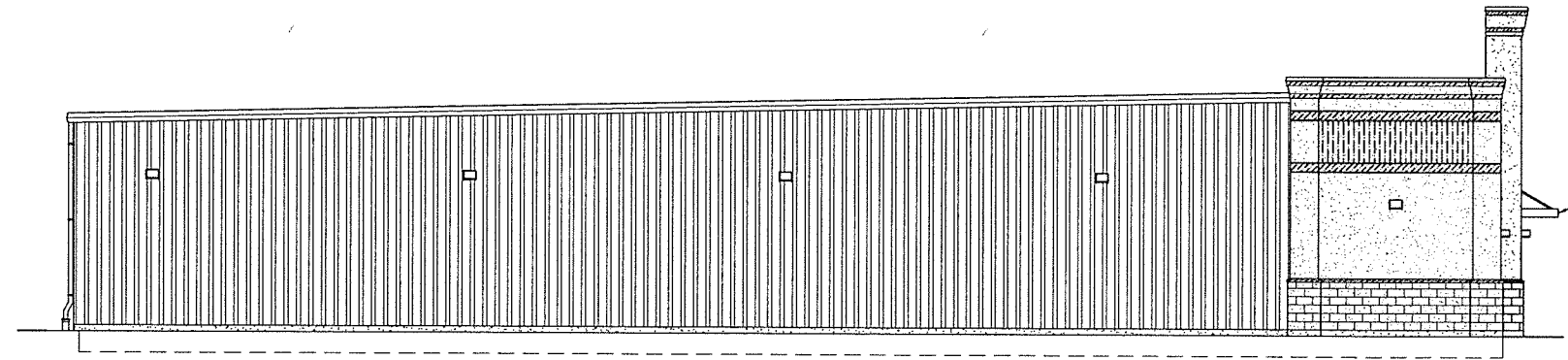
NOTES: CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY AND ALL PREVIOUS TENANT'S EXTERIOR SIGNAGE LEFT BEHIND. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY REMOVAL OF PREVIOUS TENANT SIGNAGE SHALL BE PATCHED OR REPAIRED AND PAINTED TO MATCH EXISTING ADJACENT MATERIALS SO THAT THE REPAIR IS IMPERCEPTIBLE. CONTRACTORS SHALL NOT INCLUDE THIS SCOPE OF WORK IN THEIR BID AND WILL BE HANDLED VIA CHANGE ORDER AFTER SITE EVALUATION IS DONE BY WINNING BIDDER. CONTRACTOR SHALL FORWARD THE EVALUATION AND PRICE QUOTE TO THE CONSTRUCTION PM FOR APPROVAL PRIOR TO PERFORMING ANY AND ALL WORK.



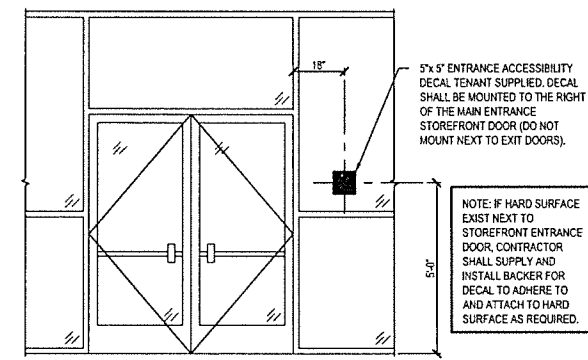
B EXTERIOR ELEVATION
A3.1 SCALE: 3/16" = 1'-0"



C EXTERIOR ELEVATION
A3.1 SCALE: 3/16" = 1'-0"



D EXTERIOR ELEVATION
A3.1 SCALE: 3/16" = 1'-0"



E ACCESSIBILITY DECAL AT STOREFRONT ENTRANCE
A3.1 SCALE: 1/2" = 1'-0"

NOTE: IF HARD SURFACE EXIST NEXT TO STOREFRONT ENTRANCE DOOR, CONTRACTOR SHALL SUPPLY AND INSTALL BACKER FOR DECAL TO ADHERE TO AND ATTACH TO HARD SURFACE AS REQUIRED.

description	
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mark	revisions
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RRMM ARCHITECTS, P.C.
1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757)622-2828 / fax (757)622-6883

STATE OF SOUTH CAROLINA
DONNA DOLLAR
REGISTERED ARCHITECT
Chesapeake, VA 0928

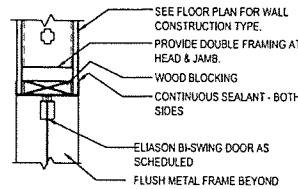
STATE OF SOUTH CAROLINA
RRMM Architects, P.C.
CHESAPEAKE, VA 09001
REGISTERED ARCHITECTS

FAMILY DOLLAR
FAMILY DOLLAR STORE, FD# 799732
HICKORY TAVERN, SC (GRAY COURT)
ELEVATIONS

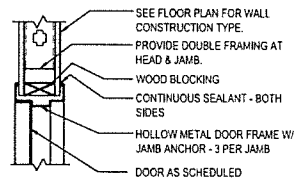
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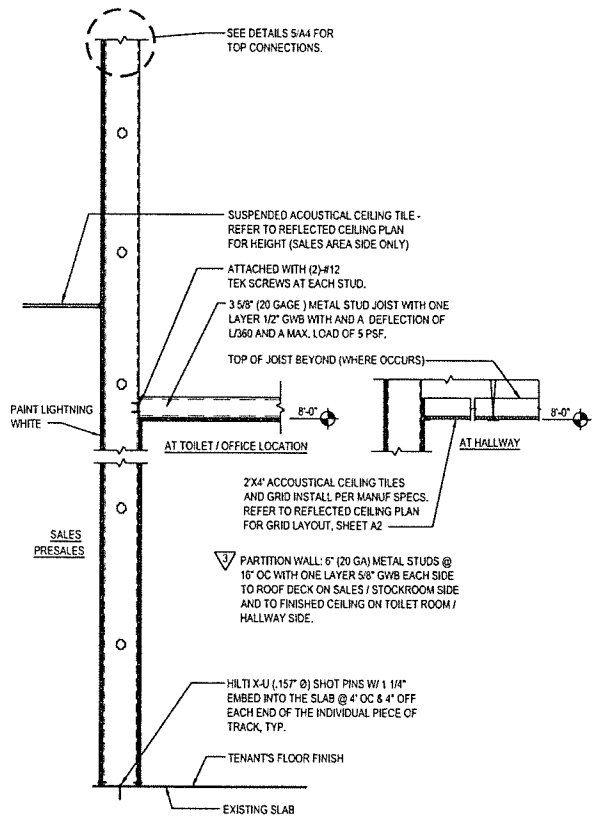
A3.1



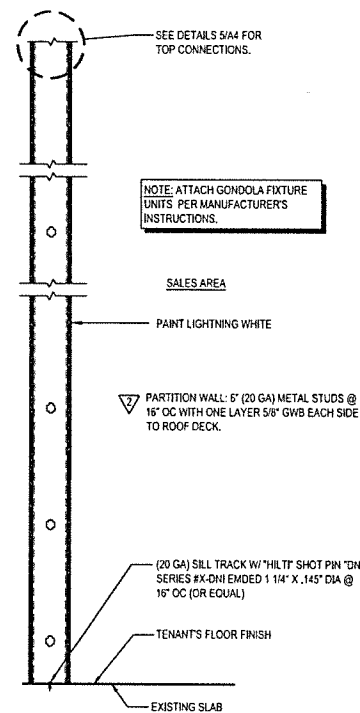
1 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



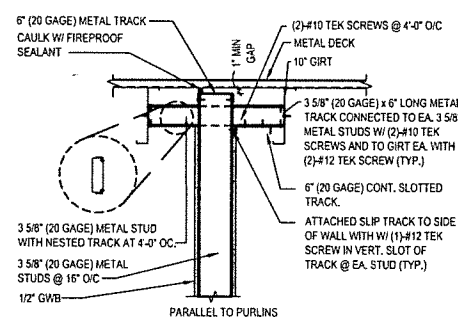
2 HEAD / JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



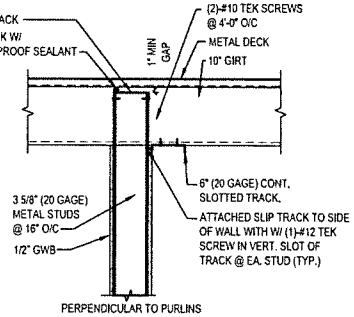
3 WALL SECTION - CONSTRUCTION TYPE: 3
SCALE: 1" = 1'-0"



4 WALL SECTION - CONSTRUCTION TYPE: 2
SCALE: 1" = 1'-0"



5 DETAIL AT PRESALES WALL
SCALE: 1" = 1'-0"



ROOM #	SPACES	FLOORS	BASES	WALLS	CEILING	NOTES
101	SALES	ENTRY CARPET TILE / POLISHED CONCRETE	4" VINYL	GWB - PAINT PT-1 / FRP TO 4'-0"	ACT	1,2,4,5,7,9,11,12
102	OFFICE	POLISHED CONCRETE	4" VINYL	GWB - PT-3	-	2,7,10,12
103	HALLWAY	POLISHED CONCRETE	4" VINYL	GWB-PAINT PT-2 / FRP TO 4'-0"	ACT	2,4,5,7
104 & 105	TOILETS	SHEET VINYL	SHEET VINYL	FRP	GWB - PT-3	3,5
106	PRESALES	SEALED CONCRETE / 12" PAINTED AROUND PERIMETER, COLOR PT-8	-	EXISTING / GWB	-	2,5,6,8,13
100	VESTIBULE	ENTRY CARPET TILE	STOREFRONT	STOREFRONT	ACT	1,4

NO.	TYPE	COATS	BENJAMIN MOORE	BM-LOW VOC BASE PRODUCT
PT-1	EGGSHELL	2	"FD BM #2019-70 - LIGHTING WHITE"	SUPER HIDE ZERO VOC LATEX - 357
PT-2	SEMI-GLOSS ENAMEL	2	"FD BM #2019-70 - LIGHTING WHITE"	SUPER HIDE ZERO VOC LATEX - 358
PT-3	SEMI-GLOSS ENAMEL	2	"FD BM WHITE"	SUPER HIDE ZERO VOC LATEX - 358
PT-7	SEMI-GLOSS	2	"FD BM GREY"	TOUGH SHIELD ACRYLIC GLOSS - TY 43
PT-8	SEMI-GLOSS	2	"FD BM WHITE"	TOUGH SHIELD ACRYLIC GLOSS - TY 43
PT-9	PRIMER	1	"OFF WHITE"	PRO-CRYL UNIVERSAL ACRYLIC PRIMER - B66W00310
PT-9	SATIN FINISH	2	"SW #6087 LRV 37% - TRUSTY TAN"	

- FINISH NOTES**
- CARPET TILE: MANUFACTURED BY PORTICO SYSTEMS AND TENANT SUPPLIED / CONTRACTOR INSTALLED. INSTALL TILES QUARTER TURNED AND PER TENANT'S CRITERIA. ENTRY TILE: DOMINATOR LP TILE - ANTHRACITE #1593. CONTRACTOR SHALL PREPARE FLOOR SURFACE AND COORDINATE CARPET INSTALLATION W/ CARPET INSTALLER.
 - VINYL COVE BASE: 4" HIGH TOPSET COVE VINYL - ARMSTRONG, BLACK VINYL BASE ON EXPOSED AREAS ONLY IN SALES ROOM (NOT BEHIND GONDOLAS AND FREEZER / COOLERS). VINYL COVE BASE TO BE LOCATED IN PRESALES AT MOP SINK AND CABINET ONLY UOIN.
 - SHEET VINYL: CLASSIC CORLON SERIES MANUFACTURED BY ARMSTRONG - CONNECTION CORLON "PORCELAIN" #88724 OR EQUAL. SHEET VINYL BASE: INTEGRAL, 3/8" RADIUS, 6" HIGH COVE BASE W/ COVE STICK AND EXTRUDED ALUMINUM CAP TRIM.
 - PROVIDE 2'-0" X 4'-0" CEILING TILE EQUAL TO ARMSTRONG "CORTEGA" MINIBANDARD #789. WHITE, IN A WHITE METAL GRID. (IN AREAS WITH SIGNIFICANT AIR PRESSURE DIFFERENTIALS PROVIDE RETENTION CLIPS TO RETAIN PANELS IN PLACE). SEISMIC ZONE C REQUIREMENTS, ARMSTRONG SEISMIC RX SUSPENSION SYSTEM ICC REPORT ESR-1308, MINIMUM 7/8" WALL MOLDING. SUSPENSION SYSTEM MAY BE CUT TIGHT ON TWO ADJOINING WALLS. MINIMUM 3/8" CLEARANCE ON TWO UNATTACHED WALLS. BERG OR BERG2 ON ALL MAIN BEAMS.
 - FRP (FIBERGLASS REINFORCED PANEL - GLASSBOND # 85 - WHITE W/ PEBBLED EMBOSSED FINISH, BY CRANE COMPOSITES OR EQUAL): IN TOILET ROOM FROM FLOOR TO 5'-0" AFF SHALL BE WHITE COLOR. FRP TO 8'-0" AFF IN PRESALES BEHIND MOP SINK AND UTILITY CABINET ONLY. FRP IN HALLWAY FROM FLOOR TO 4'-0" AFF BEHIND DRINKING FOUNTAIN ONLY. FRP ON SALES FLOOR (WHERE NOTED ON PLANS/ELEVATIONS) SHALL BE ALMOND COLOR WITH "J" CHANNEL TRIM CAP AND "H" CHANNEL PANEL CONNECTORS.
 - SEALER: CLEAR ACRYLIC SEALER BY MASTERKURE, CC 300SB OR FDS APPROVED SUBSTITUTE.
 - POLISHED CONCRETE FLOOR PER MANUFACTURE SPECIFICATIONS BY TENANT'S VENDOR. COORDINATE WITH TENANT.
 - 12" STRIPE AROUND PERIMETER & AROUND COLUMNS: COLOR: PT-8. BAND SHALL BE PAINTED PRIOR TO PAINTING ANY YELLOW CLEAR FLOOR AREAS.
 - EXPOSED STEEL COLUMNS TO BE PAINTED PT-1. ROUND COLUMNS ARE NOT TO RECEIVE COVE BASE.
 - PROVIDE PREFORMED COUNTER WITH WHITE HIGH PRESSURE LAMINATE FINISH. MOUNT TO WALLS, FILING CABINETS PROVIDED BY TENANT. SEE ENLARGED OFFICE PLAN AND OFFICE ELEVATION.
 - SALES AREA TO RECEIVE LEVEL 4 FINISH. PROVIDE FINISH TO 1'-0" BEHIND FREEZER / COOLER AND GONDOLA. TO FF EVERYWHERE ELSE. CONTRACTOR SHALL ALLOW 72 HOUR CURE TIME.
 - SLATWALL: 3/4" SLATWALL WITH WHITE MELAMINE FINISH. SEE MANUFACTURER'S DRAWINGS FOR INSTALLATION DETAILS. SLATWALL IS TENANT SUPPLIED / CONTRACTOR INSTALLED.
 - PAINT EMPLOYEE AREA WALLS PT-4 TO 4'-0" AFF.

#	DOORS			DETAILS				FR	HDW NOTES	DOOR NOTES
	W	H	T	MATERIAL	TYPE	HEAD	JAMB			
102	3'-0"	6'-8"	1-3/4"	SOLID CORE WOOD	C	2/A4	2/A4	-	100A	5,14
200	PR 3'-0"	7'-0"	.063"	TEMP. ALUM ALLOY	D	1/A4	-	-	200A	2,5,7,10,12
300	3'-0"	6'-8"	1-3/4"	SOLID CORE WOOD	C	2/A4	2/A4	-	300C	5,6,9,14
400	PR 3'-0"	7'-0"	1-3/4"	EXIST HOLLOW METAL	E	-	-	-	400A	3,4,5,8
401	3'-0"	7'-0"	1-3/4"	EXIST HOLLOW METAL	B	-	-	-	400C	3,4,5,8,11
500	PR 3'-0"	7'-0"	1-3/4"	EXIST ALUM & GLASS	A	-	-	-	500A	1,3,6,13

- DOOR NOTES**
- PROVIDE A SIGN POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN LETTERS 1" HIGH ON A CONTRASTING BACKGROUND.
 - NEW DOORS - SUPPLIED BY TENANT - ELIASON BI-SWING DOORS W/ WINDOW.
 - DOOR, FRAME AND HINGES ARE EXISTING. PROVIDE AND INSTALL ANY MISSING ITEMS OF HARDWARE PER HARDWARE NOTES.
 - PROVIDE (ONE) PEEP HOLE TO VIEW OUT. MOUNT @ 4'-3" AFF.
 - PAINT DOOR AND FRAME W/ WHITE SEMI-GLOSS ENAMEL PAINT.
 - INSTALL TENANT SUPPLIED SIGNAGE PER DETAIL BIA1.2.
 - REINFORCE JAMBS WITH WOOD BLOCKING.
 - CONTRACTOR TO PROVIDE AND INSTALL DOOR SWEEP ON ALL EXTERIOR DOORS TO PREVENT WATER, WIND AND DEBRIS INFILTRATION.
 - MOUNT TENANT SUPPLIED COAT HOOK AT 48" AFF. ON BACK SIDE OF DOOR.
 - PAINT DOOR FRAME WHITE WITH SEMI-GLOSS ENAMEL PAINT. DOOR TO REMAIN WITH ORIGINAL FINISH.
 - PROVIDE SIGNAGE THAT READS "EMERGENCY EXIT ONLY."
 - PROVIDE SIGNAGE THAT READS "EMPLOYEES ONLY."
 - PROVIDE NYLON WASHER/GROMMETS AT THE DOOR HANDLES AND CRASH BARS TO PREVENT METAL ON METAL CONTACT.
 - ALL DOOR FRAME, CASED OPENING AND HARDWARE MATERIAL WILL BE SUPPLIED BY TENANT. GC IS RESPONSIBLE FOR INSTALLATION.

- HARDWARE NOTES**
- HDW # 100A**
- 1 1/2 PAIR HINGES: STANDARD WEIGHT
 - 1 MECHANICAL PUSH BUTTON LOCKSET WITH LEVER HANDLE
 - 1 CLOSER
 - 1 FLOOR STOP
- HDW # 200A**
- LWP-3 ALUMINUM TRAFFIC DOOR EASY SWING HINGE SYSTEM
 - 9" X 30" CLEAR ACRYLIC WINDOW FLUSH HOLLOW METAL FRAME - DRYWALL
- HDW # 300C**
- 1 1/2 PAIR HINGES: STANDARD WEIGHT
 - 1 PRIVACY SET WITH LEVER HANDLE
 - 1 CLOSER (FLOORWALL STOP IF SHIPPED WITH HARDWARE)
- HDW # 400A**
- 3 PAIR HINGES: 4 1/2" HEAVY WEIGHT, NON-REMOVABLE PINS
 - CONTRACTOR TO PROVIDE AND INSTALL DOOR SWEEP ON ALL EXTERIOR DOORS TO PREVENT WATER, WIND AND DEBRIS INFILTRATION.
 - REFER TO DOOR ALARM MOUNTING DETAIL
 - 2 OVERHEAD HOLDERS/STOPS
 - 2 FLUSH BOLTS (ON INACTIVE LEAF)
 - 1 DUST PROOF STRIKE
 - 1 PEEP HOLE
 - 1 ALUM THRESHOLD (1/2" MAX HEIGHT)
 - 2 SWEEPS
 - 1 WEATHER STRIP
 - 1 RAIN DRIP
 - 1 ASTRAGAL
- HDW # 400C**
- 1 1/2 PAIR HINGES: STANDARD WEIGHT, NON-REMOVABLE PINS
 - 1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE WITH STAND ALONE ALARM REFER TO DOOR ALARM MOUNTING DETAIL
 - 1 CLOSER WITH STOP ARM
 - 1 PEEP HOLE
 - 1 ALUM THRESHOLD (1/2" MAX HEIGHT)
 - 1 SWEEP
 - 1 WEATHER STRIP
 - 1 RAIN DRIP
- HDW # 500A**
- HINGES PER STOREFRONT MANUFACTURER (BY GENERAL CONTRACTOR)
 - 2 CLOSERS WITH STOP ARM AND DROP PLATE
 - 2 PUSH PLATES (BY GENERAL CONTRACTOR)
 - 2 PULL HANDLES (BY GENERAL CONTRACTOR)
 - 1 KABA CYLINDER (SUPPLIED BY TENANT)
 - 1 COMMERCIAL GRADE DEADLOCK W/ THUMB RGN ON SALES SIDE (BY GENERAL CONTRACTOR)
- NOTE: CONTRACTOR SHALL VERIFY CLOSER DOES NOT HAVE A HOLD-OPEN FEATURE. IF CLOSER DOES, THE CONTRACTOR SHALL REPLACE WITH NEW CLOSER.

- GENERAL HARDWARE NOTES**
- THRESHOLDS AT EGRESS DOORS SHALL BE NO MORE THAN 1/2" (MAX) HEIGHT AFF.
 - ALL DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34" (MIN) TO 44" (MAX) AFF AND SHALL BE "SINGLE-HANDED" OPERABLE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE.
 - WHERE EGRESS DOORS ARE USED IN PAIRS, THE UNLATCHING OF THE LEAF SHALL NOT REQUIRE MORE THAN ONE (1) OPERATION AS MENTIONED IN GENERAL HARDWARE NOTE #2 ABOVE.
 - CONTROLS AND OPERATING MECHANISMS SHALL BE LEVER-TYPE (OR EQUAL) PROVIDING OPERATION WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
 - THE FORCE REQUIRED TO ACTIVATE CONTROLS OF INTERIOR HINGED DOORS SHALL BE NO GREATER THAN 5 POUNDS (22.2 N).
 - DOORS EQUIPPED WITH CLOSERS SHALL BE ADJUSTED SO THAT THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH MEASURED FROM THE LEADING EDGE OF THE DOOR.

description

mark date

revisions

01/27/2021 2/11/2021

date project designed drawn checked

RRMM ARCHITECTS, P.C.

1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757)622-2828 / fax (757)622-6883

STATE OF SOUTH CAROLINA
DONNA L. BARNETT
Chesapeake, VA
6928
REGISTERED ARCHITECT

RRMM Architects, P.C.
CHESAPEAKE, VA
23001
REGISTERED ARCHITECTS

FAMILY DOLLAR
FAMILY DOLLAR STORE, F.D.# 799732
HICKORY AVENUE, SC (GRAY COURT)
SCHEDULES, NOTES, DETAILS AND SECTIONS

project drawing

sheet

A4

RACK LEGEND

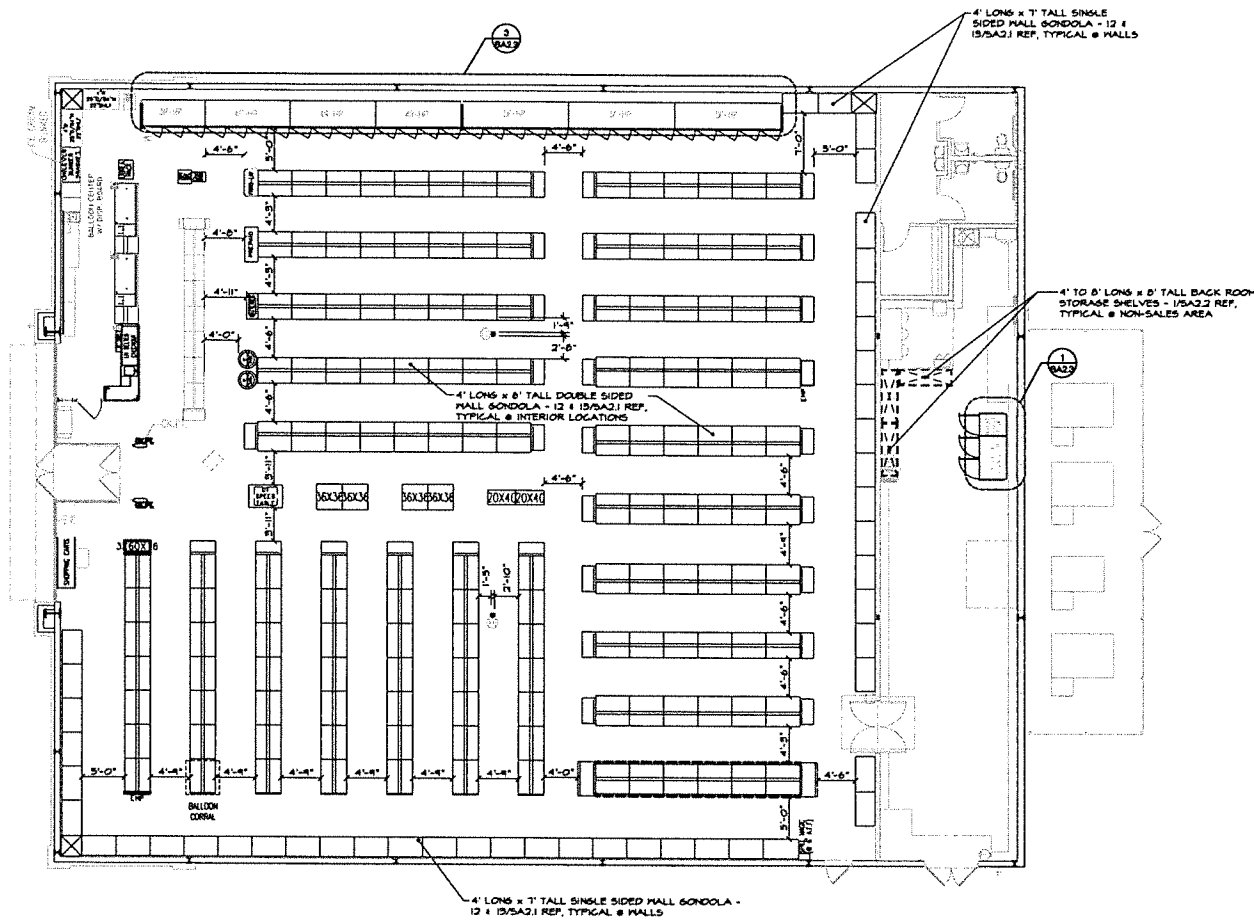
TYPE INDICATED	DESCRIPTION
	4' LONG x 8' TALL DOUBLE SIDED GONDOLA - 12 # 1/5SA2.1 REF. TYPICAL @ INTERIOR LOCATIONS
	4' LONG x 8' TALL SINGLE SIDED MALL GONDOLA - 12 # 1/5SA2.1 REF. TYPICAL @ MALLS
	3' LONG x 8' TALL GONDOLA - 12 NOT USED
	4' TO 8' LONG x 8' TALL BACK ROOM STORAGE SHELVES - 1/5SA2.2 REF. TYPICAL @ NON-SALES AREA

NOTE:
FIXTURE PLAN IS PROVIDED FOR REFERENCE TO ANCHOR REQUIREMENTS. SEE ARCHT. FIXTURE PLAN FOR ALL INFORMATION NOT SHOWN.

NOTE:
SEE SA2.3 FOR FREEZER/COOLER ANCHORAGE REQUIREMENTS

NOTE:
SEE SA2.1 FOR GONDOLA ANCHORAGE & SA2.2 FOR BACKROOM SHELVING ANCHORAGE.

SPECIAL INSPECTION NOTE:
- SPECIAL INSPECTION REQUIRED FOR EPOXY AND EXPANSION ANCHOR INSTALLATION (PER ICC REPORT)



1 FIXTURE PLAN
SCALE: 1/8" = 1'-0"

BRAD YOUNG & ASSOCIATES, INC.
STRUCTURAL ENGINEERING
3870 LASKY AVE. SUITE 100
FAYETTEVILLE, NC 28404
PHONE: (919) 432-8800 FAX: (919) 333-9633

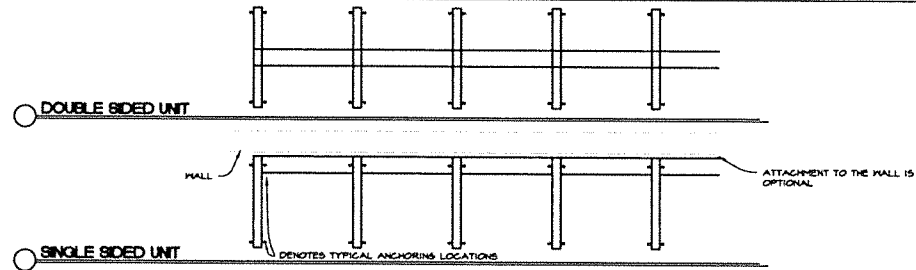
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DATE	BY	DESCRIPTION	REVISIONS	

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Chesapeake, VA 23320
(757) 622-2828 / fax (757) 622-6883

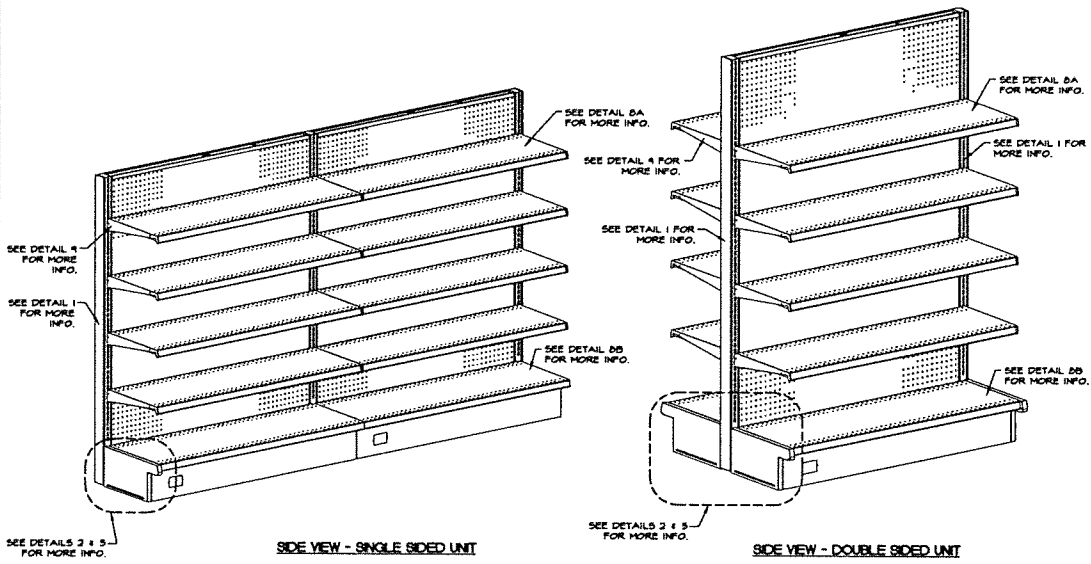


PROJECT: FAMILY DOLLAR STORE, STORE # 32831
DRAWING: HICKORY LAVERN, SC
DRAWING: FIXTURE PLAN

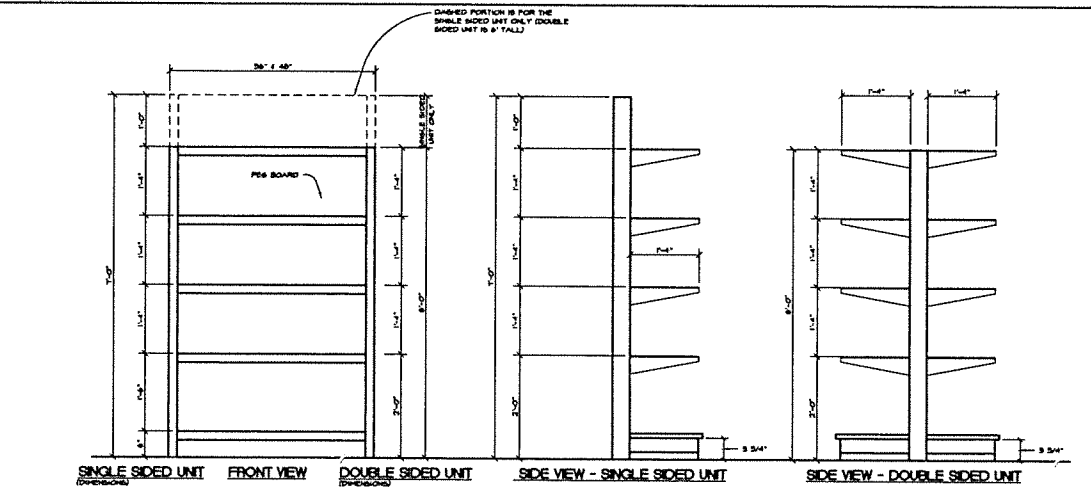
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SA1.1



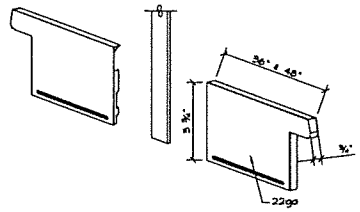
11 TOP VIEWS
SCALE: N.T.S.



12 GENERAL CONFIGURATION
SCALE: N.T.S.



13 STORAGE FIXTURE ELEVATIONS
SCALE: N.T.S.

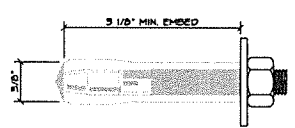


5 KICK PLATE
SCALE: N.T.S.

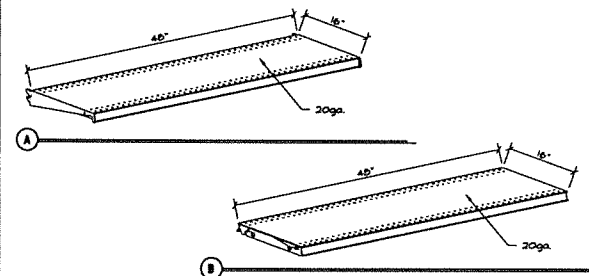
NOTE:
1. IF ANCHOR IS WITHIN 4" OF SLAB CONTROL JOINT (1/8" DEEP SAWCUT x 1" DEEP MAX) USE 7/8" ANCHOR.
2. IF ANCHOR IS WITHIN 4" OF SLAB EDGE OR CONSTRUCTION JOINT USE 7/8" ANCHOR. ANCHORS ARE NOT ALLOWED WITHIN 2 1/2" OF SLAB EDGE OR CONSTRUCTION JOINT. CONTACT THE ENGINEER IF THIS CONDITION EXISTS.



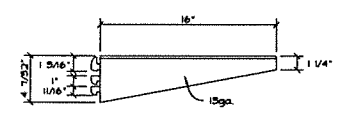
6 ANCHOR
SCALE: N.T.S.



7 ANCHOR
SCALE: N.T.S.

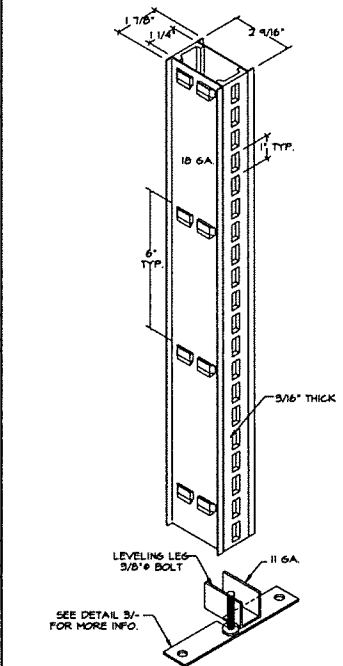


8 SHELF
SCALE: N.T.S.

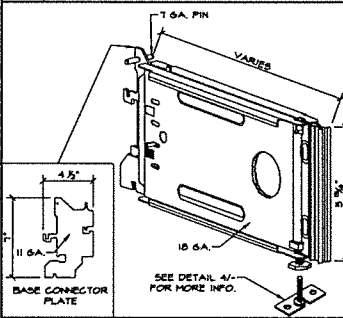


9 ARM
SCALE: N.T.S.

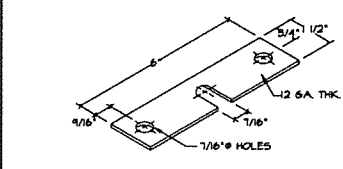
NOTES:
1. DESIGN PER SECTION 2209.1 OF THE 2018 IBC
SITE CLASS II, S_w = 0.288
2. STORAGE CAPACITY:
LIVE LOAD = 100# PER LEVEL (CONDOLOS)
3. ASTM A570 FOR SHAPE F_y = 36,000 PSI GRADE 58.
4. ALL BOLTS A307 (UNLESS OTHERWISE NOTED).
5. ANCHOR HILTI KWIK BOLT-T22 ICC REPORT ESR-4268 OR APPROVED EQUAL (3/8" X SIMPSON TITEN HD ANCHORS OR ICC ESR-2713)
6. SPECIAL INSPECTION IS REQUIRED FOR ANCHOR INSTALLATION.
7. CONCRETE 4" THICK = 2,500 PSI. CONTRACTOR TO VERIFY
8. SOIL BEARING PRESSURE 500 PSF



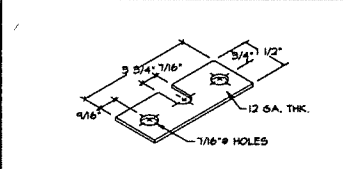
1 UPRIGHT
SCALE: N.T.S.



2 BASE BRACKET
SCALE: N.T.S.



3 ANCHOR PLATE (UPRIGHT)
SCALE: N.T.S.



4 ANCHOR PLATE (BASE FRONT)
SCALE: N.T.S.

BRAD YOUNG & ASSOCIATES, INC.
STRUCTURAL ENGINEERING
305 FOLLANSBY AVE.
COLUMBIA, CALIFORNIA 98122
PHONE: (509) 325-6600 FAX: (509) 333-4633

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01/17/2023	2203	BS	TT
		by	description
		mark	date
		revision	

date	project	designed	checked
01/17/2023	2203	BS	TT

RRMM
ARCHITECTS, P.C.
1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757) 622-2828 / fax (757) 622-6883

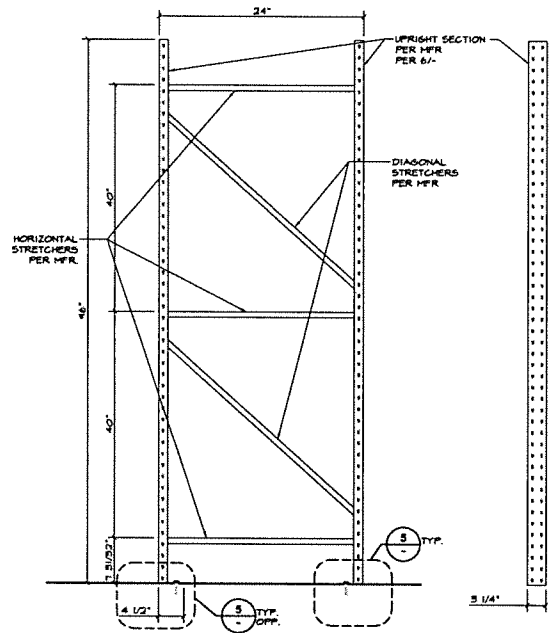


FAMILY DOLLAR
FAMILY DOLLAR STORE, STORE # 32831
HICORYTAVEN SC
FIXTURE DETAILS

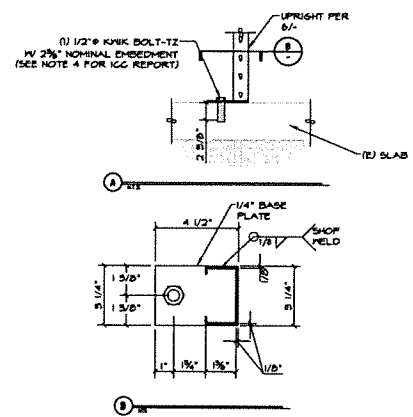
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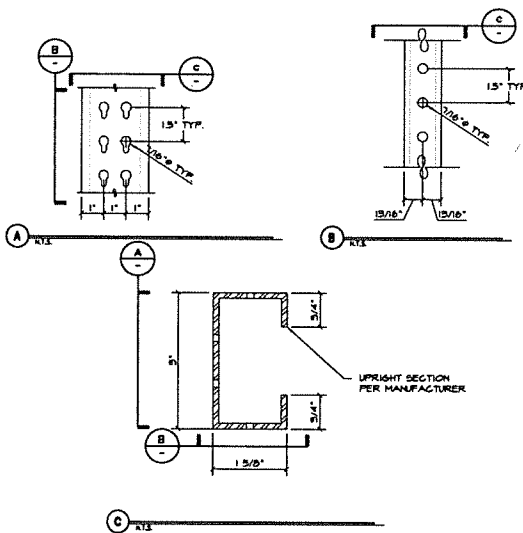
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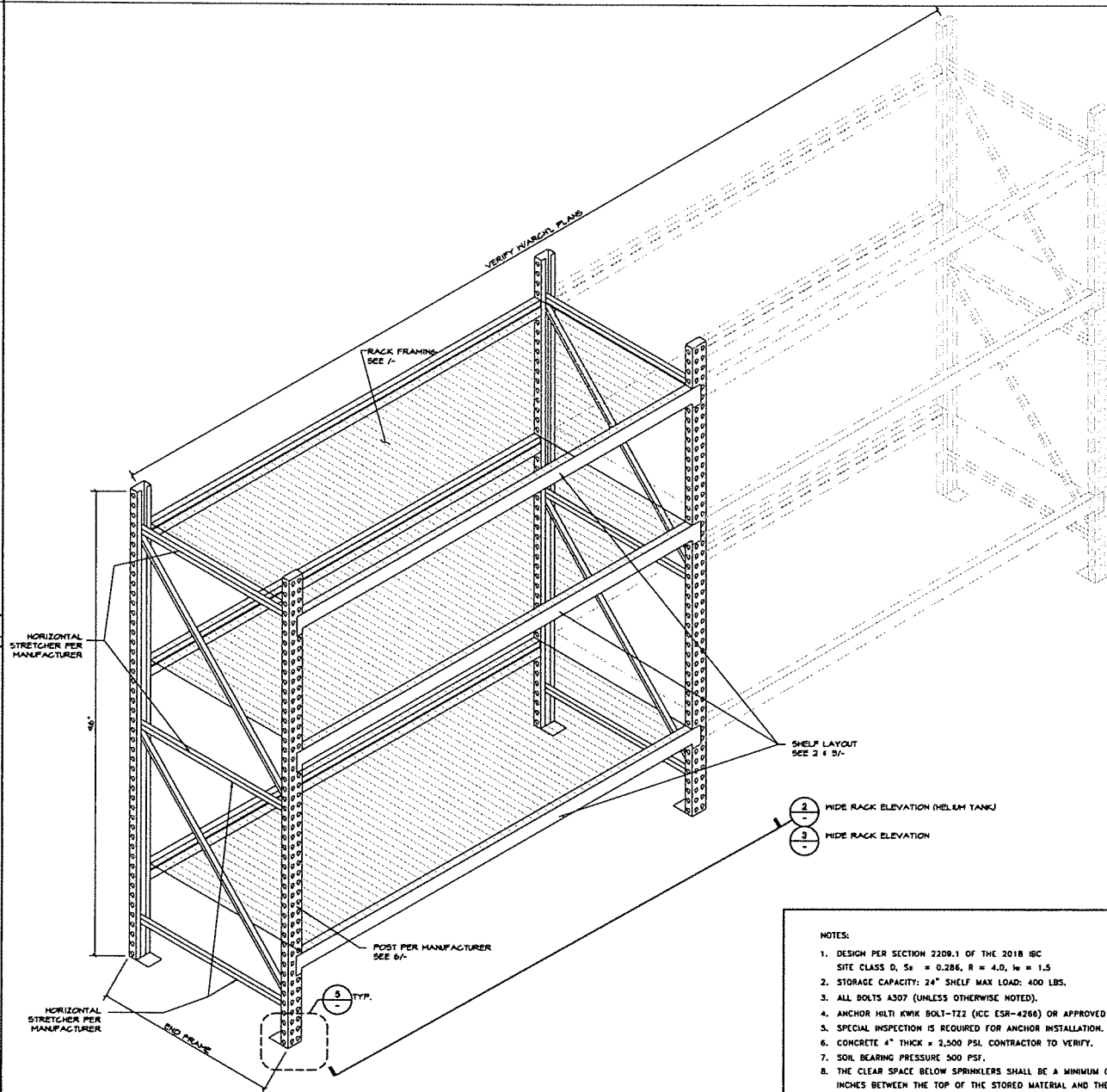
4 24' END FRAME
SCALE: 1" = 1'-0"



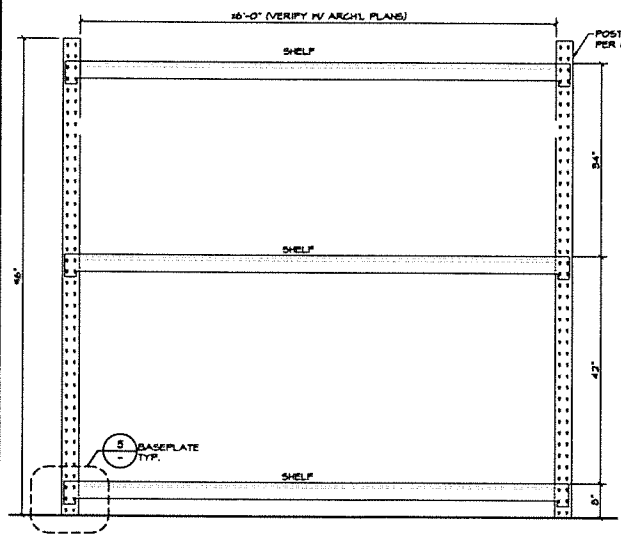
5 DETAIL
SCALE: NTS



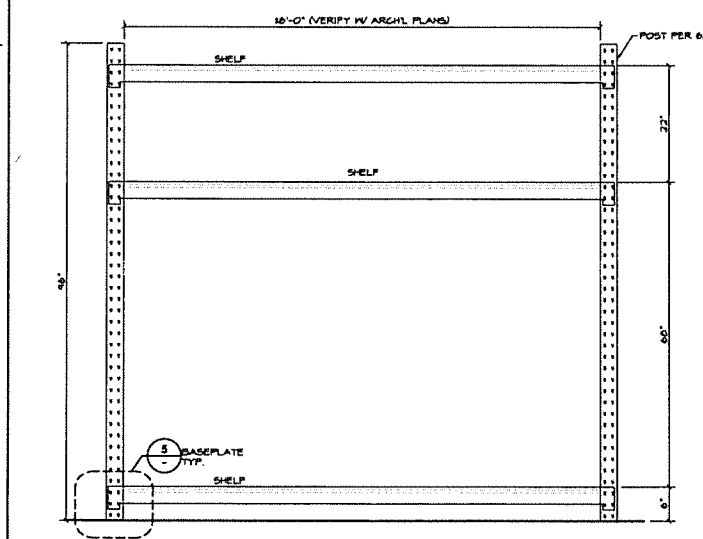
6 UPRIGHT SECTION
SCALE: NTS



1 DETAIL - BACKROOM STORAGE RACKS
SCALE: NTS



3 RACK ELEVATION (NO HELIUM TANK)
SCALE: NTS



2 RACK ELEVATION (HELIUM TANK)
SCALE: NTS

- NOTES:
1. DESIGN PER SECTION 2209.1 OF THE 2018 IBC
 2. SITE CLASS D, $S_e = 0.286$, $R = 4.0$, $I_e = 1.5$
 3. STORAGE CAPACITY: 24" SHELF MAX LOAD: 400 LBS.
 4. ALL BOLTS A307 (UNLESS OTHERWISE NOTED).
 5. ANCHOR HILTI KWIK BOLT-T22 (ICC ESR-4286) OR APPROVED EQUAL
 6. SPECIAL INSPECTION IS REQUIRED FOR ANCHOR INSTALLATION.
 7. CONCRETE 4" THICK $\geq 2,500$ PSL CONTRACTOR TO VERIFY.
 8. SOIL BEARING PRESSURE 500 PSF.
 9. THE CLEAR SPACE BELOW SPRINKLERS SHALL BE A MINIMUM OF 18 INCHES BETWEEN THE TOP OF THE STORED MATERIAL AND THE SPRINKLER DEFLECTOR
 10. ALL STEEL SHALL BE $f_y=50$ ksi

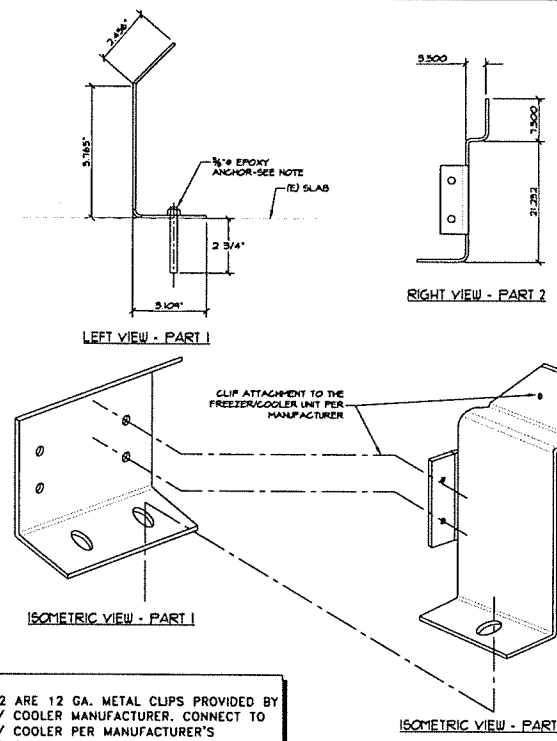
BRAD YOUNG & ASSOCIATES, INC.
STRUCTURAL ENGINEERING
CLOVIS, CALIFORNIA 95312
PHONE: (519) 333-9800 FAX: (519) 332-7963

date	project	designed	drawn	checked	mark	description
01/07/2022	22006	BS	NS	TT		

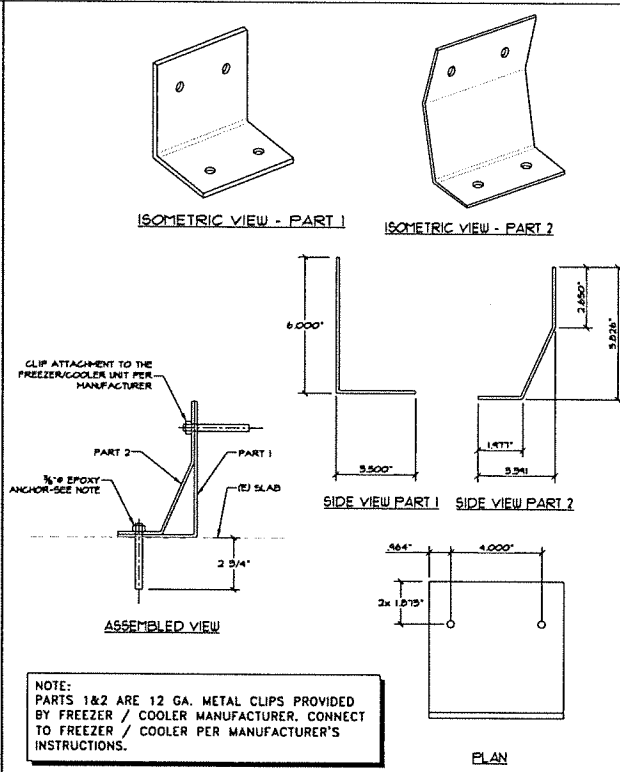
RRMM
ARCHITECTS, P.C.
1517 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757) 622-2828 / fax (757) 622-6883

FAMILY DOLLAR
FAMILY DOLLAR STORE, STORE # 32831
HICKORY TAVENNA, SC
FIXTURE DETAILS

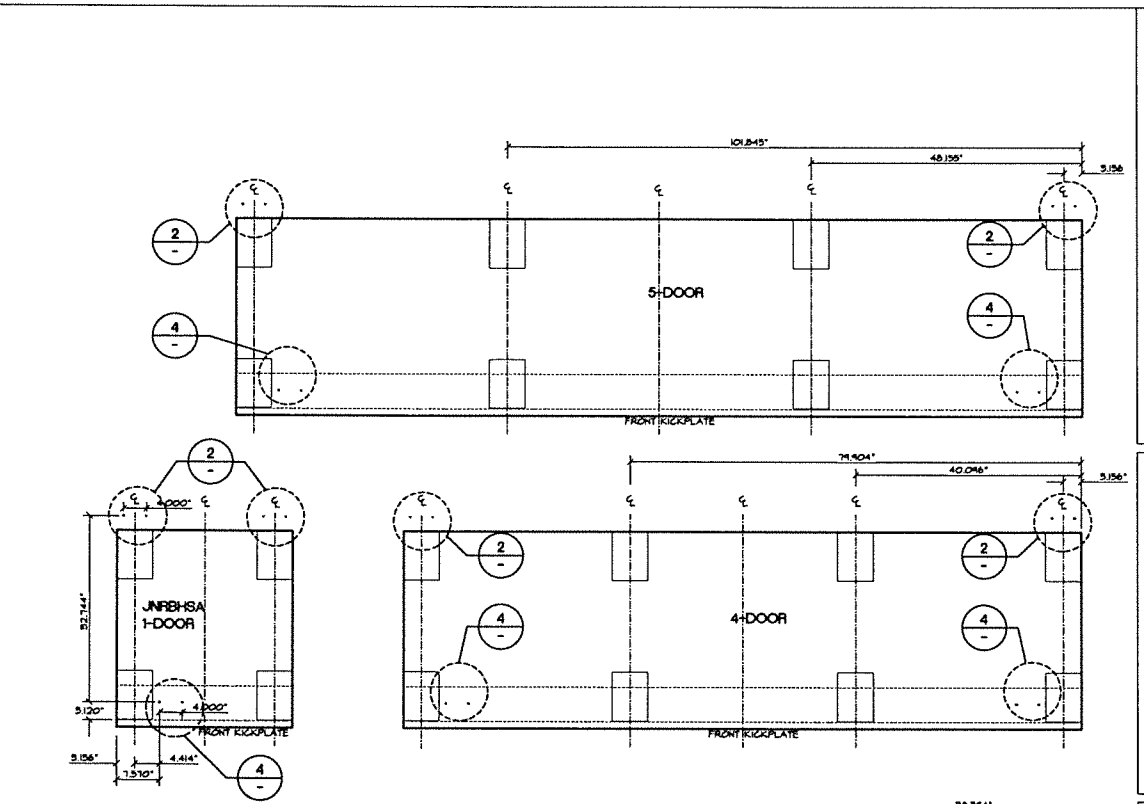
project drawing sheet
SA2.2



NOTE:
PARTS 1&2 ARE 12 GA. METAL CLIPS PROVIDED BY FREEZER / COOLER MANUFACTURER. CONNECT TO FREEZER / COOLER PER MANUFACTURER'S INSTRUCTIONS.



NOTE:
PARTS 1&2 ARE 12 GA. METAL CLIPS PROVIDED BY FREEZER / COOLER MANUFACTURER. CONNECT TO FREEZER / COOLER PER MANUFACTURER'S INSTRUCTIONS.

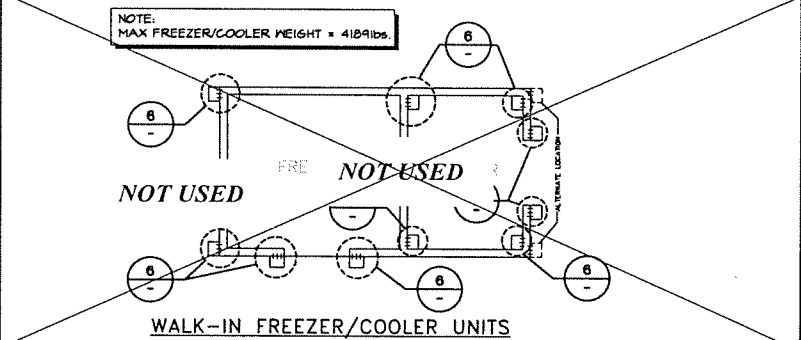


1 BASE FEET LAYOUT
SCALE: N.T.S.

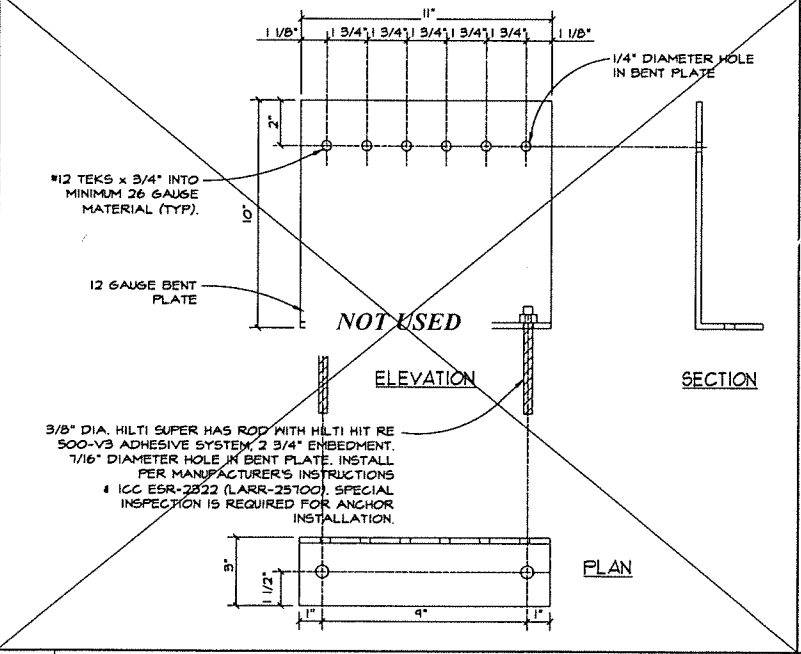
ANCHOR NOTE:
REACH-IN FREEZER / COOLER ANCHORS ARE TO BE 3/8" ALL THREAD ROD. DRILL & EPOXY TO EXISTING SLAB WITH HILTI RE 500-V3 EPOXY W/ 2 3/4" EMBEDMENT.
NO SUBSTITUTIONS ALLOWED

NOTE:
1. ANCHORAGE DESIGN PER THE 2018 IBC
2. SITE CLASS D, $S_s = 0.286$
3. ALL STEEL ANCHOR CLIPS ARE ASTM A570 $F_y = 36,000$ PSI (MIN.)
4. ALL BOLTS A307 (UNLESS OTHERWISE NOTED).
5. ANCHOR TO BE EPOXIED TO (E) SLAB WITH HILTI RE 500-V3 WITH 2 3/4" EMBEDMENT ICC ESR-2322 (LARR #25700) OR APPROVED EQUAL.
6. SPECIAL INSPECTION IS REQUIRED FOR ANCHOR INSTALLATION.
7. CONCRETE SLAB IS 4" THICK MIN. $F'_c = 2,500$ PSI.
8. SOIL BEARING PRESSURE 500 PSF
9. THIS DESIGN ONLY ADDRESSES THE ANCHORAGE OF THE FREEZER / COOLER UNITS (SHOWN IN DETAILS 1-2/-) TO RESIST SITE APPLICABLE SEISMIC OVERTURNING & SLIDING FORCES. THE FREEZER / COOLER UNITS ARE ASSUMED BY THIS DESIGN TO BE ABLE TO TRANSFER ALL APPLICABLE SEISMIC FORCES TO THE STEEL ANCHORAGE CLIPS SHOWN IN THE DETAILS. DESIGN OF THE STRUCTURE OF THE FREEZER/COOLER UNITS IS NOT PART OF THIS DESIGN AND IF REQ'D IS BY OTHERS.

4 DETAILS - FRONT BRACKET
SCALE: N.T.S.

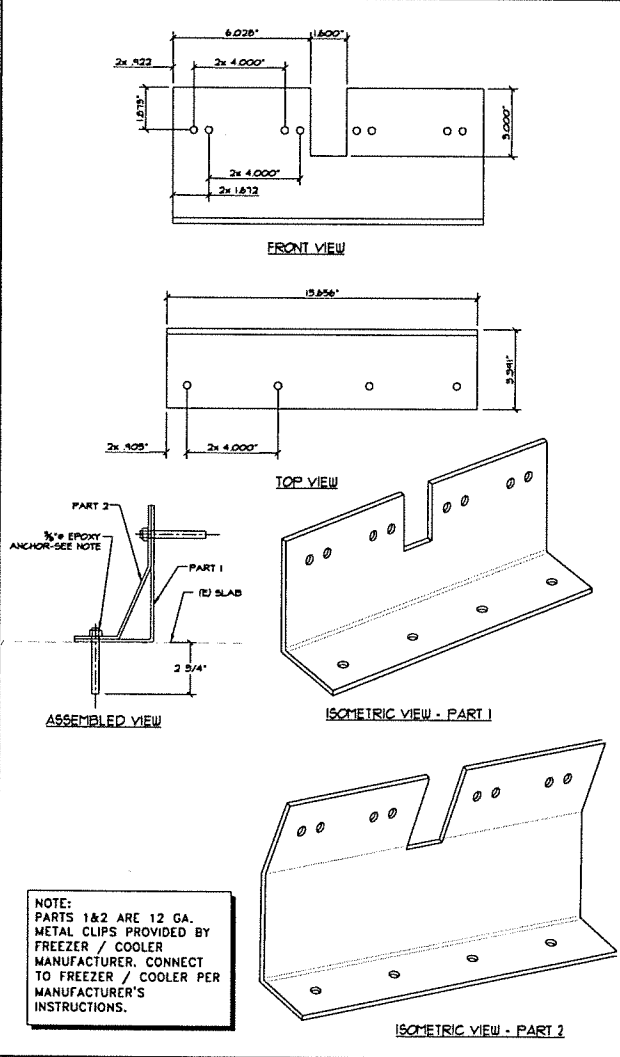


5 WALK-IN FREEZER/COOLER ANCHORAGE PLAN
SCALE: N.T.S.



6 DETAIL
SCALE: N.T.S.

2 DETAILS - REAR BRACKET
SCALE: N.T.S.



NOTE:
PARTS 1&2 ARE 12 GA. METAL CLIPS PROVIDED BY FREEZER / COOLER MANUFACTURER. CONNECT TO FREEZER / COOLER PER MANUFACTURER'S INSTRUCTIONS.

3 DETAILS REAR BRACKET
SCALE: N.T.S.

BRAD YOUNG & ASSOCIATES, INC.
STRUCTURAL ENGINEERING
3405 CALIFORNIA HWY 12
CLOVIS, CALIFORNIA 95326
PHONE: (539) 33-9868 FAX: (539) 33-9633

RRMM ARCHITECTS, P.C.
1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757) 622-2828 / fax (757) 622-6863

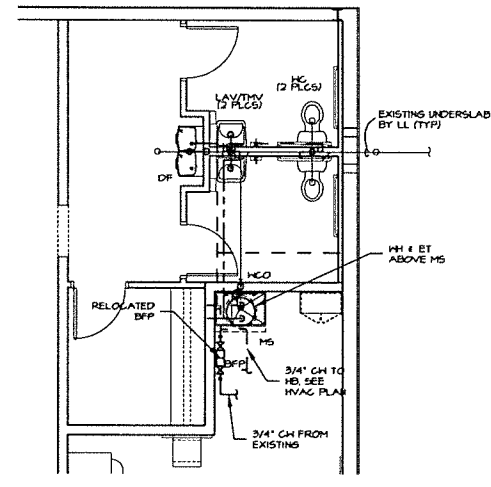
FAMILY DOLLAR STORE, STORE # 32831
HICKORY TOWN, SC
FREEZER / COOLER ANCHORAGE

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project		designed	drawn	checked
by				
description				
mark				
revisions				

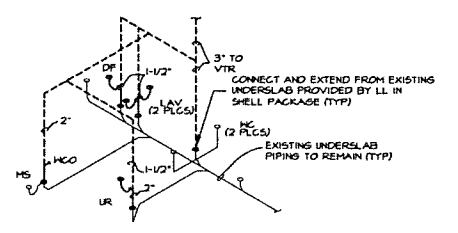
sheet
SA2.3

MECHANICAL PLUMBING LEGEND:

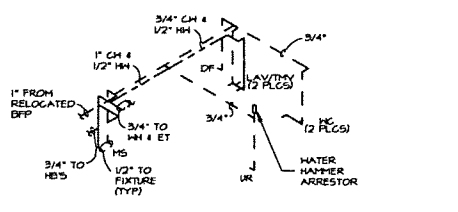
	NEW SUPPLY, RETURN, EXHAUST DUCTWORK
	NEW SUPPLY, RETURN, EXHAUST ELBOW UP
	NEW SUPPLY, RETURN, EXHAUST ELBOW DOWN
	NEW SUPPLY, RETURN, EXHAUST ELBOW WITH TURNING VANE
	NEW FLEXIBLE DUCTWORK
	EXISTING SUPPLY, RETURN, EXHAUST DUCTWORK
	DEMO SUPPLY, RETURN, EXHAUST DUCTWORK
	CONNECTION TO EXISTING SERVICE
	CARBON DIOXIDE (CO2) SENSOR
	APPROVED DUCT TYPE SMOKE DETECTOR
	MOTOR OPERATED DAMPER
	EQUIPMENT TAG
	AIR DEVICE TAG
	SUPPLY AIR DIFFUSER
	RETURN/EXHAUST AIR GRILLE
	FIRE DAMPER
	VOLUME DAMPER
	PLUMBING FIXTURE TAG
	PLUMBING SANITARY WASTES BELOW SLAB
	PLUMBING SANITARY WASTES ABOVE SLAB
	PLUMBING VENT
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	NATURAL GAS (NEW)
	NATURAL GAS (EXISTING)
	AIR CONDITIONING CONDENSATE
	NEW EQUIPMENT/COMPONENT (ALL LINETYPES 50%)
	EXISTING EQUIPMENT/COMPONENT (ALL LINETYPES 50%)



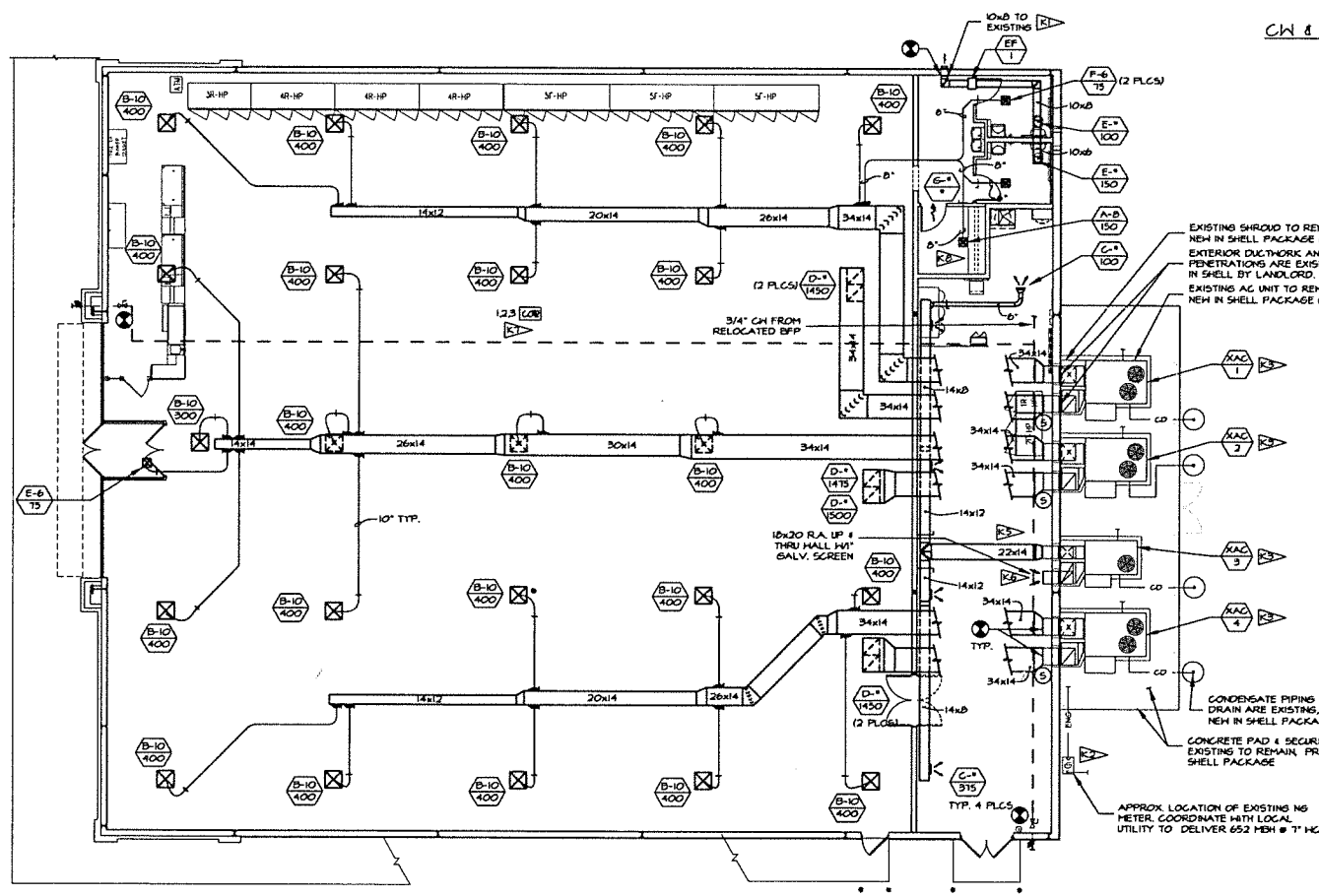
PARTIAL PLUMBING PLAN
SCALE: 1/4"=1'-0"
PROJECT NORTH



DWV PIPING ISOMETRIC
NTS



CW & HW PIPING ISOMETRIC
NTS



HVAC PLAN
SCALE: 1/8"=1'-0"
PROJECT NORTH

NOTE: CONDENSATE PIPING PROVIDED IN THE SHELL BY THE LANDLORD PER LOCAL CODE REQUIREMENTS

NOTE: HVAC UNIT LOCATION AND ORIENTATION SHOWN IS FROM INFORMATION PROVIDED BY LANDLORD. PRIOR TO UNIT INSTALLATION, CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO START OF ANY WORK.

NOTE: HVAC TEMPERATURE SENSOR. CONTRACTOR SHALL REFER TO THE TEMPERATURE SENSOR MOUNTING DETAIL FOR PLACEMENT AND INSTALLATION INSTRUCTIONS PRIOR TO INSTALLING.

NOTE: RE-IDENTIFY ALL HVAC EQUIPMENT SERVING THE TENANT'S SPACE WITH THE SIRE HANE AND THE EQUIPMENT NUMBER ENGRAVED IN 3/16\"/>

DUCTWORK NOTE: CONTRACTOR SHALL SITE VERIFY EXISTING HVAC UNIT LOCATIONS & POTENTIAL DUCTWORK OBSTRUCTIONS (SPRINKLER LINES, STRUCTURAL BEAMS & JOIST, ETC.) PRIOR TO FABRICATING DUCTWORK. CONTRACTOR SHALL CONTACT THE DTCD CONSTRUCTION PROJECT MANAGER IF CONFLICTS BETWEEN CONSTRUCTION DOCUMENTS & EXISTING CONDITION EXIST FOR DIRECTION.

NOTE: CONTRACTOR SHALL BE SIZED AND INSTALLED AS INDICATED ON CONTRACT DOCUMENTS. NO CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM TENANT. FAILURE TO DO SO SHALL RESULT IN CONTRACTOR REMOVING INSTALLED SYSTEM AND REPLACING WITH NEW AS SHOWN AT NO ADDITIONAL COST TO TENANT. MINOR DUCT CHANGES DUE TO EXACT UNIT LOCATIONS OR ORIENTATION SHALL BE ACCEPTABLE.

NOTE: HVAC CONTROLS. CONTRACTOR SHALL REFER TO THE EM SHEETS FOR INSTALLATION INSTRUCTIONS FOR THE VENDOR FURNISHED. CONTRACTOR SHALL INSTALL HVAC CONTROL SYSTEM AND TEMPERATURE AND CO2 SENSOR LOCATIONS PRIOR TO INSTALLATION OF ALL RELATED ITEMS. PLEASE REFER TO MANUFACTURER'S INSTRUCTIONS FOR SIMPLE START HIRING FOR ALL OTHER SYSTEMS. CONTRACTOR SHALL CONTACT THE DTCD PROJECT MANAGER PRIOR TO ENERGIZING SYSTEM. FAILURE TO COMPLY WITH THESE INSTRUCTIONS COULD RESULT IN CONTRACTOR REPLACING SYSTEM WITH NO ADDITIONAL COST TO THE TENANT.

SITE UTILITIES

- DOMESTIC WATER, SEWER, LP GAS, STORM
- CONTRACTOR SHALL VERIFY POINT OF CONNECTION TO SITE UTILITY SERVICE PRIOR TO COMMENCING INSTALLATION.
- CONTRACTOR SHALL VERIFY EXISTING SANITARY SEWER INVERT PRIOR TO START OF WORK. IF INVERT CANNOT MEET SLOPE REQUIREMENTS WITH NEW TENANT PIPING, NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- CONTRACTOR SHALL ADJUST LOCATION AND DEPTH OF BUILDING SERVICES AS REQUIRED TO CONNECT TO SITE UTILITY SERVICE.
- CONTRACTOR SHALL MAKE FINAL CONNECTION TO SITE UTILITY SERVICE (UNLESS OTHER PROVISIONS HAVE BEEN MADE).
- CONTRACTOR'S FAILURE TO PROPERLY COORDINATE SERVICES SHALL NOT BE JUSTIFICATION FOR ANY EXTRA CHARGES.

GENERAL NOTES

- WHEN REQUIRED, HVAC ROOF CURBS SLOPED TO MATCH ROOF PITCH SHALL BE PROVIDED BY CONTRACTOR AND ARE NOT PART OF THE NATIONAL ACCOUNT PROVISIONS. REFER TO KEYED NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL IDENTIFY ALL HVAC EQUIPMENT WITH STORE NAME AND UNIT NUMBER USING PERMANENT, HEATHER PROOF 2" HIGH DIE-CUT LETTERS.
- PROVIDE PROPER CONDENSATE TRAP AND TERMINATE AS REQUIRED BY LOCAL CODE.
- ANY PENETRATION THROUGH THE ROOF SHALL BE COORDINATED WITH THE LANDLORD'S FIELD REPRESENTATIVE AND SHALL BE DONE BY A LANDLORD APPROVED ROOFING CONTRACTOR IN ORDER TO MAINTAIN THE ROOFING WARRANTY. ALL VENTS SHALL EXTEND A MINIMUM OF 12 INCHES ABOVE ROOF AND SHALL BE A MINIMUM OF 10 FEET FROM ANY OUTSIDE AIR INTAKE.
- ALL DUCT SIZES SHOWN ARE CLEAR INSIDE AIR FLOW DIMENSIONS.
- DO NOT SUSPEND AIR EXTRACTORS OR SPLITTER DAMPERS WHICH PROTRUDE INTO RECTANGULAR TRUNK DUCTS (WHERE USED). PROVIDE ROUND 5/8\"/>

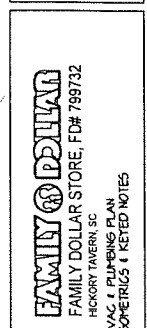
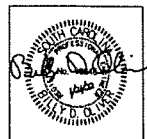
KEYED NOTES

- ▶ EXTEND AND CONNECT 10\"/>



13172	6822	DL	DL	BDP
site	project	designed	drawn	checked
		by	date	mark
			revisions	

13172	6822	DL	DL	BDP
site	project	designed	drawn	checked



EXISTING AC UNIT SCHEDULE (gas heat/elec. cool)

MARK	TYPE/MODEL	DISCHARGE	TONG	ESP	OUTSIDE AIR/OUTSIDE AIR		ENTERING AIR CONDITIONS		NET COOLING CAPACITY (BTU/H)		HEATING FUEL	HEATING CAPACITY		ELECTRICAL	HCAV	ACCESSORIES	UNIT HEIGHT		
					CFM (MIN)	CFM (MAX)	TOTAL	SENSIBLE	INPUT	OUTPUT		BTU/H	BTU/H						
XAC-1	TORK 2150SR	HORIZONTAL	0.5	LD	3200	300	900	DOPE DB 61°F WB @ 50% RH AMBENT	82.8	82.3	12.2	NATURAL GAS	100	H4	52	200/500	42,450	23,458.7	EXISTING
XAC-2	TORK 2150SR	HORIZONTAL	0.5	LD	3275	300	850	DOPE DB 61°F WB @ 50% RH AMBENT	82.8	82.3	12.2	NATURAL GAS	100	H4	52	200/500	42,450	23,458.7	EXISTING
XAC-3	TORK 2150SR	HORIZONTAL	4	LD	1600	300	300	DOPE DB 61°F WB @ 50% RH AMBENT	54.8	58.4	15.4	NATURAL GAS	112	90	52	200/500	23,735	23,458.7	EXISTING
XAC-4	TORK 2150SR	HORIZONTAL	0.5	LD	3200	300	850	DOPE DB 61°F WB @ 50% RH AMBENT	82.8	82.3	12.2	NATURAL GAS	100	H4	52	200/500	42,450	23,458.7	EXISTING

- ACCESSORIES PROVIDED AND INSTALLED BY LANDLORD IN SHELL PACKAGE
- FULL PERIMETER INSULATED ROOF CURB, SLOPED PER ROOF REQUIREMENTS FOR LEVEL UNIT INSTALLATION
 - DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF
 - LOWEDED CONDENSER COIL GUARDS
 - UNIT MOUNTED NON-POWERED HEATHERPROOF OFC OUTLET
 - UNIT MOUNTED DISCONNECT SWITCH

- ACCESSORIES PROVIDED BY TENANT FOR TENANT CONTRACTOR INSTALLATION
- INSTALL EMS CONTROLS PACKAGE
 - CO2 DEMAND CONTROL VENTILATION. OA MIN OPEN POSITION SHALL BE THE MIN. AND SHALL MODULATE OPEN UP TO THE MAX. TO MAINTAIN MAXIMUM CO2 LEVELS IN THE BREATHING AREA OF 1000 PPM RELATIVE TO THE OA AMBIENT.

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STARTUP AND WARRANTY WORK. VERIFY ELECTRICAL POWER PRIOR TO INSTALLING UNITS. FAILURE TO DO SO SHALL RESULT IN CONTRACTOR FURNISHING CORRECT UNITS OR POWER AT NO ADDITIONAL COST TO TENANT. OUTSIDE AIR QUANTITIES BASED ON ASHRAE 62.1-2004 TABLE 6-1 BUILDING AND PEOPLE COMPONENTS FOR AN ENGINEERED VENTILATION SYSTEM EMPLOYING A CO2 MONITORING SYSTEM.

NOTE:
ALL MODEL NUMBERS, ACCESSORIES AND OPERATING CHARACTERISTICS CALCULATIONS ARE BASED ON INFORMATION FURNISHED BY THE LANDLORD AND MUST BE FIELD VERIFIED. ANY DEVIATION FROM THE INFORMATION SHOWN SHALL BE REPORTED TO THE ENGINEER AT THE BEGINNING OF CONSTRUCTION AND PRIOR TO FABRICATION OF ANY SYSTEM. UNIT

VENTILATION AIR CALCULATIONS

Zone	UFI	Occupancy Category	DOAS / SZ / HZ	Area (sq ft)	People DA Rate (l/m ² /hr)	Area DA Rate (l/m ² /hr)	Occupant Density (NOOD u/l)	Occupants	Zone Air Distribution Eff.	Zone Outdoor Airflow (l/s)	System Ventilation Eff.	DA Inlet Flow Required (l/s)	Total DA Delivered (CFM)	Unit DA Delivered (CFM)
SALES	XAC-1	RETAIL	S2	8656	15	0.12	0	134	20%	1.0	20%	0.8	2600	900
	XAC-2													850
	XAC-4													850
STOCK	XAC-3	STORAGE	S2	1570	0.0	0.12	0	134	1.0	134	0.8	200	200	

PLUMBING FIXTURE SCHEDULE

PROVIDED BY TENANT'S VENDOR FOR INSTALLATION BY CONTRACTOR

MARK	FIXTURE TYPE	MANUFACTURER MODEL NO.	FIXTURE CONNECTIONS			REMARKS
			CM	HM	V	
DE	3-LEVEL HANDCAP DRINKING FOUNTAIN	ELKAY MODEL NO. EHAFTLDLGLG NON-REFRIGERATED	1/2"	---	1/2"	FURNISH STANDARD CABINET FINISH, FOUR (4) SUPPLY STOP TUBE, DRAIN KIT, AND WALL HANGER KIT.
EI	EXPANSION TANK	HATS MODEL PLT-5	3/4"	---	---	FURNISH APPROVED, POTABLE WATER EXPANSION TANK, 21 GALLON ACCEPTANCE.
ES	FLOOR MTD. HOP SAK	ZURN MODEL 11948-56	1/2"	1/2"	3"	FURNISH SINK, ZURN MODEL NO. 2243M SERVICE SINK FACET WITH BAL-T-IN VACUUM BREAKER, HOSE AND BRACKET, HOSE HANGER, AND DRAIN KIT.
LAV	HANDCAP WALL HANG LAVATORY	ZURN MODEL NO. 25344 WITH 1/2 GPM FLOW RESTRICTOR AND DRAIN FACET HOLES ON 4" CENTERS	1/2"	1/2"	1/2"	FURNISH LAVATORY, ZURN 2800C-JL LEAD FREE METERS FACET, HALL HANGER KIT, SUPPLY STOPS + TUBES, DRAIN, AND ADA PIPING PROTECTION.
TVV	HYDRG VALVE	SYMONDS MODEL 1-225-GA-F	1/2"	1/2"	---	1/2" TEMPERED OUTLET, MAX. OUTLET TEMP. 100°F IN ACCORDANCE WITH ASHRAE 90.1, ASSE IO1 AND 90.10 AND 90.11.
UR	URINAL	ZURN MODEL 25755-U, 3/4" TOP INLET 5/8", OUTLET 5/8", 0.125 G.P.F.	3/4"	---	2"	FURNISH WITH URINAL, 3/4" ZURN MODEL NO. 2800S-V-LL-F FLUSH VALVE, WALL HANGER KIT, TOP SPUD, MOUNT TOP OF FRONT RISE IT ABOVE FINISHED FLOOR.
WC	HANDCAP WATER CLOSET	ZURN MODEL 25840 FT 11 ELONGATED PRESSURE ASSE1 1.0 G.P.F.	1/2"	---	3"	FURNISH ADA CLOSET T TANK, ADA OPEN FRONT SEAT, SELF SUSTAINING HINGE, FLOOR FLANGE, CLOSET BELTS & CAPS, MAX RING, SUPPLY STOP TUBE, FLUSH CONTROL MUST BE LOCATED ON THE WIDE ACCESS SIDE OF THE SEAT OPPOSITE THE WALL.
WCD	WALL CLEANOUT	ZURN MODEL 42-144b	---	---	LINE SIZE	RAISED HEADLIPS POLISH SS COVER & WANDAL PROOF SCREEN.
WH	ELECTRIC WATER HEATER	BRADFORD WHITE MODEL NO. REHUB WITH GATEY 3407R DRAIN PAN AND ZURN V800 VACUUM RELIEF VALVE	3/4"	3/4"	---	FURNISH 10 GALLON SHORT WATER HEATER, DOVIM, 2000 H ELEMENT WITH 1" F RELIEF VALVE AND INTEGRAL HEAT TRAPS.

NOTE:
INSTALL ALL PLUMBING FIXTURES TO BE FULLY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES IN ACCORDANCE WITH LATEST ISSUE OF THE AMERICANS WITH DISABILITIES ACT AND ALL CURRENT STATE AND LOCAL CODES. PROVIDING ACCESSIBILITY AND USABILITY FOR PHYSICALLY HANDICAPPED PEOPLE AND/OR GOVERNING CODES. ALL PLUMBING FIXTURES EQUIPMENT, TRIM, & FITTINGS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES INCLUDING, BUT NOT LIMITED TO, WATER AND ENERGY CONSERVATION CODES. THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES AND EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTOR'S BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS & CODES.

ALL PIPING AND VALVES BELOW LAVATORY SHALL BE INSULATED WITH PVC LAY GUARDS AND CONFIGURED TO PROTECT AGAINST CONTACT PRODUCED WITH LAV KIT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY.

EXHAUST FAN SCHEDULE

CONTRACTOR PROVIDED, CONTRACTOR INSTALLED

MARK	TYPE/MODEL	CFM	SPD	ESP IN. HG.	MOTOR HP	ELECTRICAL V / PH / HZ	ACCESSORIES
EF-1	TORCFM BARRY CENTERA	250	034	0.50	71 W	115 / 10 / 60	1, 2, 3, 4, 5, 7

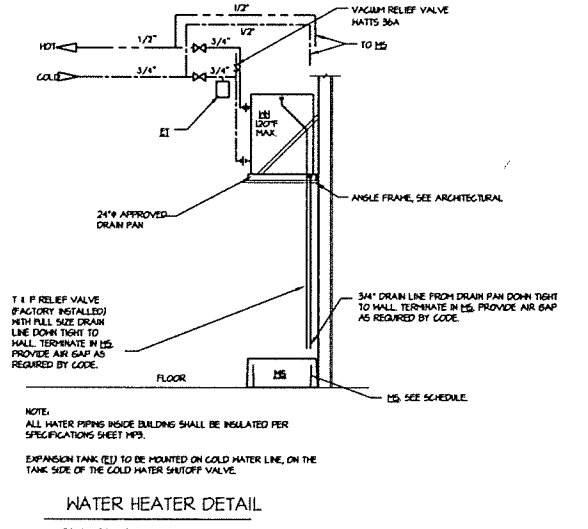
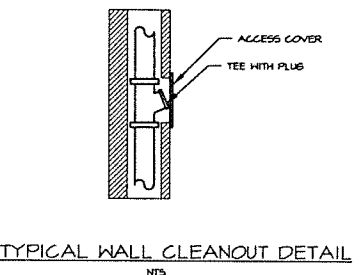
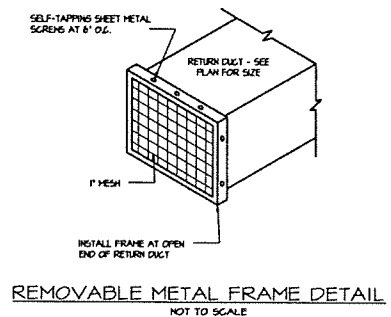
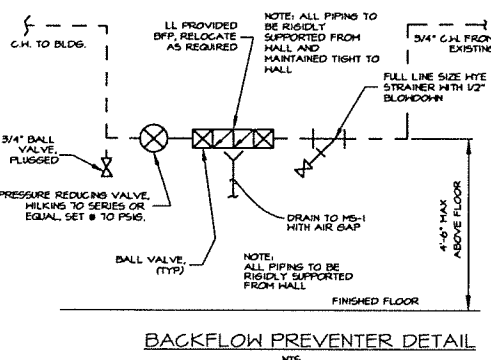
ACCESSORIES/REMARKS:
 1. GALVANIZED HALL GAP WITH REG. SCREEN
 2. BACKDRAFT DAMPER
 3. FLUS DISCONNECT
 4. SPEED CONTROLLER
 5. VIBRATION ISOLATION MOUNT KIT
 6. CONTROLLED BY LINE VOLTAGE THERMOSTAT TO START FAN AT 80°F AND STOP FAN AT 75°F
 7. FAN SHALL BE INTERLOCKED WITH MOTION SENSOR
 8. 27Y TRANSFORMER

GRILLE, REGISTER & DIFFUSER SCHEDULE

CONTRACTOR PROVIDED, CONTRACTOR INSTALLED

MARK	TYPE/MODEL	MATERIAL	DEVICE SIZE	HANGING TYPE	TYPE
A	WALL GRILLE	STEEL	12" X 12"	LAT-IN	SUPPLY
B	WALL GRILLE	STEEL	24" X 24"	LAT-IN	SUPPLY
C	WALL GRILLE	STEEL	12" X 10"	DUCT	SUPPLY
D	WALL GRILLE	ALUMINUM	24" X 24"	LAT-IN	RETURN
E	WALL GRILLE	STEEL	8" X 8"	SURFACE	EXHAUST
F	WALL GRILLE	STEEL	2" X 12"	LAT-IN	SUPPLY
G	WALL GRILLE	ALUMINUM	24" X 24"	SURFACE	EXHAUST

NOTE: PROVIDE TYPE G DIFFUSERS WITH DAMPERS



Oliver Little Gibson
OLIG
 ENGINEERING ARCHITECTURE INTERIOR DESIGN
 1111 MARKET STREET, SUITE 200, CHESAPEAKE, VA 23320
 TEL: 757/762-6883
 FAX: 757/762-6885

date: _____
 project: _____
 scale: _____
 designer: _____
 drafter: _____
 checker: _____

15132
 EXIST
 THE
 DDD

RMM
ARCHITECTS, P.C.
 1317 Executive Blvd, Suite 200
 Chesapeake, VA 23320
 (757)622-3428 / Fax (757)622-6885

FAMILY DOLLAR
 FAMILY DOLLAR STORE, FD# 795732
 HICKORY TAVERN, SC
 SCHEDULES, 1
 DETAILS

sheet
MP-2

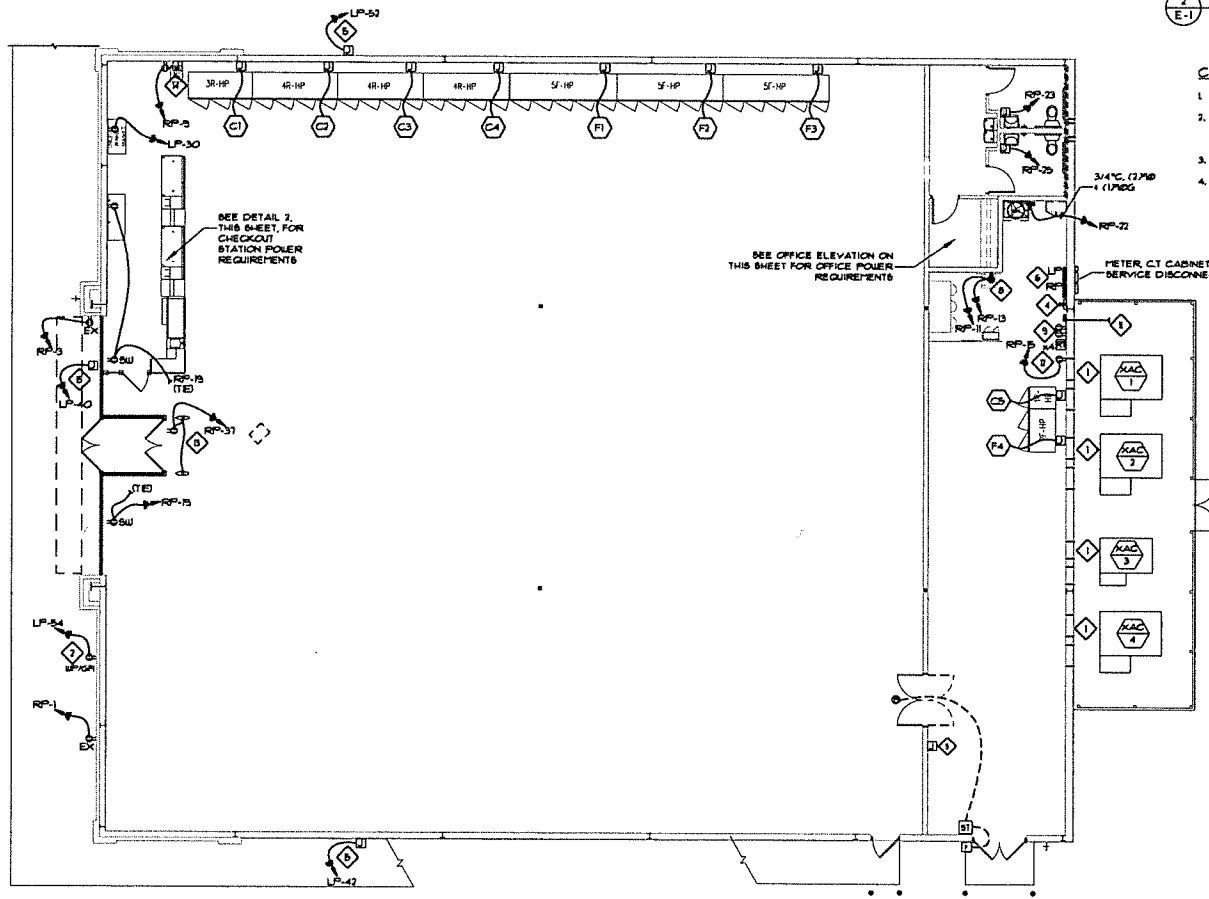
POWERWIRING INFORMATION FOR COOLER/FREEZER EQUIPMENT

DEVICE*	DISCONNECT SIZE	CONDUIT/WIRE SIZE	FEEDER PANEL	FEEDER BREAKER(S)
(C1)	JUNCTION BOX = 180" AFF W/ND W/HP	1/2" (3/16" + (1/16" GND)**)	LP	3,4
(C2)	JUNCTION BOX = 180" AFF W/ND W/HP	1/2" (3/16" + (1/16" GND)**)	LP	6,9
(C3)	JUNCTION BOX = 180" AFF W/ND W/HP	1/2" (3/16" + (1/16" GND)**)	LP	10,7
(C4)	JUNCTION BOX = 180" AFF W/ND W/HP	1/2" (3/16" + (1/16" GND)**)	LP	14,6
(C5)	JUNCTION BOX = 180" AFF W/ND W/HP	1/2" (3/16" + (1/16" GND)**)	LP	31
(F1)	JUNCTION BOX = 180" AFF W/ND W/HP	3/4" (3/16" + (1/16" GND)**)	LP	10,20
(F2)	JUNCTION BOX = 180" AFF W/ND W/HP	3/4" (3/16" + (1/16" GND)**)	LP	22,24
(F3)	JUNCTION BOX = 180" AFF W/ND W/HP	3/4" (3/16" + (1/16" GND)**)	LP	26,28
(F4)	JUNCTION BOX = 180" AFF W/ND W/HP	3/4" (3/16" + (1/16" GND)**)	LP	33,35

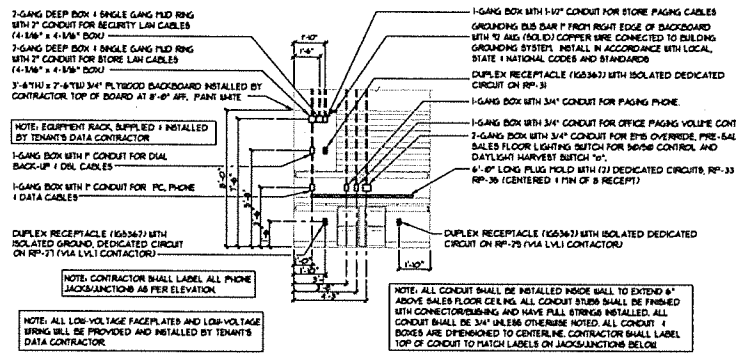
NOTE: ALL DIMENSIONS ARE TO THE TOP OF THE ASSOCIATED DEVICE. AS PART OF THIS PROJECT, THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO INTEGRAL EQUIPMENT CONNECTS AT TIME OF STARTUP.
 ** INCLUDES: (1) HOT, (1) NEUTRAL, (1) GROUND

POWERWIRING INFORMATION FOR HVAC EQUIPMENT

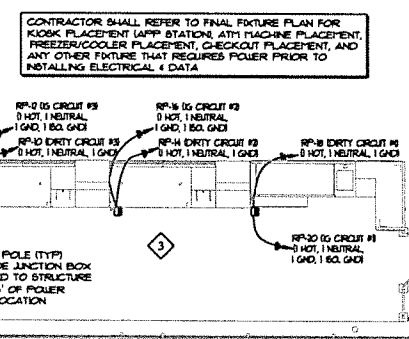
HVAC*	DISCONNECT SIZE	CONDUIT/WIRE SIZE	FEEDER PANEL	FEEDER BREAKER(S)
XAC-1	EXISTING TO REMAIN	EX EXISTING	LP	1,3,1
XAC-2	EXISTING TO REMAIN	EX EXISTING	LP	13,15,17
XAC-3	EXISTING TO REMAIN	EX EXISTING	LP	19,21,3
XAC-4	EXISTING TO REMAIN	EX EXISTING	LP	25,27,29



POWER PLAN
 SCALE: 1/8"=1'-0"
 PROJECT NORTH



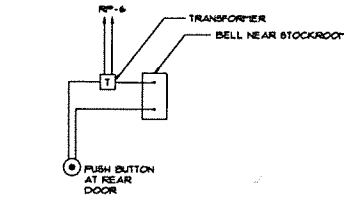
OFFICE ELEVATION - ELECTRICAL & DATA
 SCALE: 1/4"=1'-0"



2 TYPICAL CHECKOUT STATIONS POWER/DATA DETAIL
 E-1 SCALE: NONE

CHECKOUT STATIONS POWER/DATA NOTES:

- DUP POWER POLES ARE BEING FURNISHED WITH CHECKOUT COUNTERS. POWER POLES SHALL BE INSTALLED AND WIRED BY CONTRACTOR. FIELD VERIFY LOCATION OF ALL POWER POLES AND JUNCTION BOXES WITH FD PROJECT MANAGER AND FDS FINAL SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING ROUGH-IN. JUNCTION BOXES SHALL BE LOCATED WITHIN 3' OF POWER POLES.
- LABEL ALL JUNCTION BOXES WITH CIRCUIT NUMBER AND DESCRIPTION AS SHOWN IN PANEL SCHEDULE.
- ALL DIRTY AND ISOLATED GROUND (IG) CIRCUITS SHALL HAVE DEDICATED NEUTRALS. DO NOT SHARE NEUTRALS.



1 DOOR CHIME SCHEMATIC DIAGRAM
 E-1 SCALE: NONE

ELECTRICAL POWER SYMBOL LEGEND

■	ARROWHEAD INDICATES HOVERM TO PANEL NOTED.
□	JUNCTION BOX WALL OR CEILING MOUNTED.
■	SINGLE POLE, 120V, 20A MOTOR RATED TOGGLE SWITCH.
□	DUPLEX RECEPTACLE, 20 AMP, 120 VOLT, 1" AFF. TO CENTER UNLESS OTHERWISE SPECIFIED. "UP" INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE "UP" INDICATES WEATHERPROOF WITH "N-USE" COVER. "DU" INDICATES DANGER UNDOOR INSTALL WITHIN 18" OF TOP OF WINDOW. "IS" INDICATES ISOLATED GROUND RECEPTACLE WITH ISOLATED GROUND WIRE AND DEDICATED NEUTRAL. "HDBELL" 100-5287.
□	QUADRUPLIX RECEPTACLE, AS ABOVE, 1" AFF. TO CENTER UNLESS OTHERWISE SPECIFIED.
□	WEATHERPROOF PUSH BUTTON FOR DOORBELL SYSTEM MOUNTED 48" AFF. TO CENTER. EDWARDS MODEL "538-W WITH EDWARDS MODEL "141-MOUNTING PLATE.
□	DOOR CHIME FOR DOORBELL SYSTEM MOUNTED ABOVE CEILING. CONNECT TO DOOR CHIME TRANSFORMER, EDWARDS MODEL "333 TRANSFORMER MOUNTING PLATE, MOUNT 9'-0" AFF. IN SUPPORT ROOM.
□	LOW VOLTAGE STEP DOWN TRANSFORMER FOR DOORBELL SYSTEM, EDWARDS MODEL "552 PROVIDE WITH EDWARDS MODEL "543 TRANSFORMER MOUNTING PLATE, MOUNT 9'-0" AFF. IN SUPPORT ROOM.
▽	TELEPHONE OUTLET, 1" AFF. TO CENTER OR AT HEIGHT INDICATED ON PLANS. PROVIDE SINGLE GANG DATA BOX WITH 4" CONDUIT WITH PULL STRING TO 6" ABOVE LAT-IN CEILING OR TO 2" AFF. IN AREAS WITH NO CEILING. CAT5 CABLES AND COVERPLATE SHALL BE INSTALLED BY FDS LOW VOLTAGE CONTRACTOR AT TIME OF FUTURE TENANT UPIIT.
▽	DATA OUTLET, 1" AFF. TO CENTER OR AT HEIGHT INDICATED ON PLANS. PROVIDE SINGLE GANG DATA BOX WITH 4" CONDUIT WITH PULL STRING TO 6" ABOVE LAT-IN CEILING OR TO 2" AFF. IN AREAS WITH NO CEILING. CAT5 CABLES AND COVERPLATE SHALL BE INSTALLED BY FDS LOW VOLTAGE CONTRACTOR AT TIME OF FUTURE TENANT UPIIT.
□	GENERAL DUTY FUSELESS-PLUNGE DISCONNECT SWITCH, NUMBERS INDICATE FRAME SIZE, NUMBER OF POLES AND AMP. PROVIDE NEMA 1 ENCLOSURE INSIDE. PROVIDE NEMA 3 ENCLOSURE FOR ALL SWITCHES LOCATED OUTSIDE. "NF" INDICATES NON-FUSED.
■	ELECTRICAL PANEL, SEE SCHEDULE FOR DETAILS.
□	ELECTRIC UTILITY METER LOCATION.
□	EXTERIOR LED LIGHT FIXTURE.
□	DUCT MOUNTED SMOKE DETECTOR.
□	DUCT SMOKE DETECTOR REMOTE TEST STATION MOUNTED AT COMMUNICATION BOARD, SEE DETAIL, V&E-6 FOR EXACT LOCATION. COORDINATE INSTALLATION RESPONSIBILITIES WITH ALL CONTRACTORS. SEE WIRING DIAGRAM 3/A-2 FOR DETAILS.
□	WATER HEATER, PROVIDE DISCONNECTING MEANS AS REQUIRED.

POWER PLAN NOTES:

- EXISTING UP/DFCI RECEPTACLE AT HVAC UNIT ON CIRCUIT RP-3.
- DEDICATED 120V, 20A, GFI, WEATHERPROOF EXTERIOR RECEPTACLE RECESSED IN WALL WITH FACE FLUSH WITH EXTERIOR WALL.
- PROVIDE THREE (3) DEDICATED ISOLATED GROUND CIRCUITS AND THREE (3) DIRTY CIRCUITS FOR FUTURE CASH STATIONS. CIRCUITS SHALL BE TERMINATED TO JUNCTION BOXES AND WIRING TO STRUCTURE. COORDINATE LOCATION OF JUNCTION BOXES WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION. POWER POLES ARE FURNISHED WITH CHECKOUT COUNTERS. JUNCTION BOXES WITH FD PROJECT MANAGER AND FDS FINAL SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING ROUGH-IN. JUNCTION BOXES SHALL BE LOCATED WITHIN 3' OF POWER POLES.
- ALL DIRTY AND ISOLATED GROUND (IG) CIRCUITS SHALL HAVE DEDICATED NEUTRALS. DO NOT SHARE NEUTRALS.
- ENERGY MANAGEMENT SYSTEM (EMS). CONTRACTOR SHALL REFER TO EMS SHEETS FOR INSTRUCTION AND RESPONSIBILITIES FOR INSTALLING TENANT SUPPLIED ENERGY MANAGEMENT SYSTEM (EMS) PRIOR TO BIDDING AND INSTALLATION.
- PROVIDE SINGLE GANG JUNCTION BOX MOUNTED NEXT TO RECEIVING DOOR FOR PAGING PHONE, EC SHALL MOUNT JUNCTION BOX IN WALL AT 48" AFF WITH 3/4" CONDUIT WITH PULL STRING UP IN WALL TO 12'-0" AFF. PAGING SYSTEM SHALL BE VENDOR SUPPLIED AND VENDOR INSTALLED.
- ALL PANEL BOARDS SHALL HAVE FIELD-APPLIED HAZARD MARKINGS INSTALLED PER 704 NEC 1001 (B).
- 1. FC CABLE IS ALLOWED AS BUILDING STANDARD WHERE LOCAL CODE JURISDICTION WILL ALLOW. ALL FC CABLE SHALL BE RUN OVERHEAD, AND IN A NEAT AND ORGANIZED FASHION. WHERE GOOD DOES NOT ALLOW FC CABLE ENTRY, ALL FC CABLE EXPOSED CABLE AND CONDUIT SHALL BE RUN TIGHT TO CEILING CONSTRUCTION AND CONCEALED FROM VIEW WHEREVER POSSIBLE.
- THE QUAD RECEPTACLE SHOWN IS ACTUALLY MADE UP OF TWO DUPLEX RECEPTABLES WITH THE TWO CIRCUITS SHOWN. MOUNT RECEPTACLE AT 18" AFF. COORDINATE LOCATION WITH FIXTURE PLAN.
- TWO EXISTING DEDICATED ISOLATED GROUND RECEPTABLES WITH ISOLATED GROUNDING CONDUCTOR SHALL BE TO SERVICE GROUND. RECEPTABLES SHALL BE SURFACE MOUNTED AT COMMUNICATION BOARD AND CONNECTED TO CIRCUITS RP-3 & RP-4. SEE COMMUNICATION BOARD DETAIL 2 ON SHEET E-3 FOR MOUNTING LOCATIONS AND INSTRUCTIONS ON USING STENCIL FOR LOCATING RECEPTABLES. RECEPTABLES SHALL BE "ORANGE" WITH WHITE COVER PLATES.
- NOT USED
- CONTRACTOR SHALL PROVIDE 3" EMT CONDUIT, SCHEDULE 40 PVC WITH NYLON PULLWIRES FOR WAN/DATA SERVICE (CABLE, DSL OR T1). CONTRACTOR SHALL ROUTE DATA CONDUIT TO DATA PEDESTAL PROPERTY LINE, OR POINT AS COORDINATED WITH LOCAL DATA PROVIDER. CONTACT FAMILY DOLLAR FOR DATA SERVICE PROVIDER THAT WILL BE UTILIZED.
- TERMINATE ENDS OF TELEPHONE AND DATA CONDUITS WITHIN 6" TO THE LEFT OF COMMUNICATION BOARD AT 36" AFF. DO NOT INSTALL CONDUIT EXPOSED ON FACE OF EXTERIOR WALL. SEE DETAIL 3/E-3 FOR ADDITIONAL DETAILS.
- PROVIDE DEDICATED ISOLATED GROUND CIRCUIT TO FLUSH MOUNTED IG RECEPTACLE IN WALL 18" AFF. FOR EAS (FOR SAFETY). RECEPTACLE SHALL BE MOUNTED DIRECTLY ABOVE DOOR FRAMING CLOSEST TO CHECKOUT STATION. IG RECEPTACLE SHALL BE "ORANGE" WITH WHITE COVER PLATE. CONFIRM SIDE TO MOUNT RECEPTACLE WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION. EAS SHALL BE FURNISHED AND INSTALLED BY EAS VENDOR AT TIME OF FD UPIIT.
- PROVIDE DEDICATED ISOLATED GROUND CIRCUIT TO FLUSH MOUNTED IG RECEPTACLE IN WALL 18" AFF. FOR ATM. IG RECEPTABLES SHALL BE "ORANGE" WITH WHITE COVER PLATE. PROVIDE SINGLE GANG JUNCTION BOX MOUNTED NEXT TO ATM RECEPTACLE FOR DATA CONNECTION. EC SHALL MOUNT JUNCTION BOX IN WALL AT 18" AFF WITH 3/4" CONDUIT WITH PULL STRING UP IN WALL TO 12'-0" AFF. DATA CABLES SHALL BE PROVIDED BY FD VENDOR. CONFIRM RECEPTACLE LOCATION(S) WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION.
- FURNISH AND INSTALL CONDUIT AND WIRING FOR EXTERIOR BUILDING SIGNS. CIRCUIT SHALL BE TERMINATED AT A JUNCTION BOX(ES) LOCATED MINIMUM 12'-0" AFF. BUILDING SIGN CIRCUIT SHALL BE CIRCUITED VIA ENERGY MANAGEMENT SYSTEM. PROVIDE ADDITIONAL 6"-8" FEET OF BLACK ABOVE ELECTRICAL PANEL. COORDINATE ACTUAL NUMBER OF BUILDING MOUNTED SIGNS WITH ARCHITECTURAL ELEVATIONS AND FDS PROJECT MANAGER PRIOR TO CONSTRUCTION. COORDINATE REQUIRED JUNCTION BOX QUANTITIES AND LOCATION WITH ARCHITECTURAL ELEVATIONS AND SIGN SUPPLIER PRIOR TO ELECTRICAL ROUGH-IN.

301 Industrial Blvd, Tallahassee, FL 32308
 Office 907-764-9940
 2605 Elm Hill Pkwy, LLC, Tallahassee, FL 32308
 Office 907-616-6622
 Fax 907-764-9940
 www.olg-engineering.com

Oliver • Little • Gibson
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 ENGINEERING, INC.

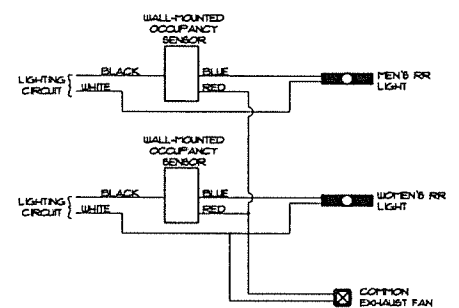
PROJECT: POWER PLAN
 SHEET: E-1

12/22/2017
 DATE: 12/22/2017
 PROJECT: D&B
 DESIGNED: D&B
 DRAWN: D&B
 CHECKED: AOB

RRMM ARCHITECTS, PC
 1317 Executive Blvd, Suite 200
 Chesapeake, VA 23320
 (757) 622-3639 Fax (757) 622-6883

FAMILY DOLLAR STORE, FDS# 799732
 HICKORY TAVEN, SC
 POWER PLAN

PROJECT
 DRAWING
 SHEET



1 SCHEMATIC DIAGRAM: BATHROOM OCCUPANCY SENSOR
E-2 SCALE: NONE

REFLECTED CEILING LEGEND

- 2'-0" x 4'-0" ACOUSTICAL CEILING TILE AND GRID
- GLOB - PAINT WHITE UNLESS OTHERWISE NOTED.
- DIFFUSER
- RETURN GRILLE
- DOVE
- VENTILATION FAN
- CEILING HEIGHT (ABOVE FINISH FLOOR)
- POWER POLE
- OCCUPANCY SENSOR. SEE NOTE 6.
- CEILING RECEPTACLE, 120V, 20A

ANY NEW LIGHTING WILL BE PROVIDED BY TENANT FOR TENANT'S CONTRACTOR INSTALLATION.

LIGHT FIXTURE SCHEDULE						
FIXT. SYM.	LIGHT DESCRIPTION	VOLTS	WATTS	LAMP QTY., WATTS, TYPE	MOUNTING	SCHEDULE NOTES
	EMERGENCY LIGHT (EXTERIOR)	SEE ELEC. PANEL	2	(2) 5 WATT LED	WALL OVER EXTERIOR DOOR	EMERGENCY LIGHT WITH RECHARGE BATTERY
	EMERGENCY LIGHT (INTERIOR)	SEE ELEC. PANEL	2	(2) 5 WATT LED	SURFACE	EMERGENCY LIGHT ONLY
	EXIT LIGHT	SEE ELEC. PANEL	5	FURNISHED WITH FIXTURE	CEILING UNLESS OTHERWISE REQUIRED BY CODE	LED, SINGLE-FACE EXIT SIGN WITH EMERGENCY BATTERY NOTES: A, C, D, E, F, G
	8'-0" STRIP LIGHT	SEE ELEC. PANEL	36	(3) 120W LED	FURNISHED WITH FIXTURE	INTERIOR/EXTERIOR STRIP NOTES: A, C, D, E, F, G
	8'-0" STRIP LIGHT (EMERGENCY LIGHT)	SEE ELEC. PANEL	36	(3) 120W LED	FURNISHED WITH FIXTURE	EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK NOTES: A, C, D, E, F, G
	4'-0" STRIP LIGHT	SEE ELEC. PANEL	18	(3) 120W LED	FURNISHED WITH FIXTURE	INTERIOR/EXTERIOR STRIP NOTES: A, C, D, E, F, G
	4'-0" STRIP LIGHT (EMERGENCY LIGHT)	SEE ELEC. PANEL	18	(3) 120W LED	FURNISHED WITH FIXTURE	EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK NOTES: A, C, D, E, F, G
	4'-0" STRIP LIGHT (TWO-LAMP EMERGENCY LIGHT)	SEE ELEC. PANEL	36	(2) 120W LED	FURNISHED WITH FIXTURE	EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK NOTES: A, C, D, E, F, G

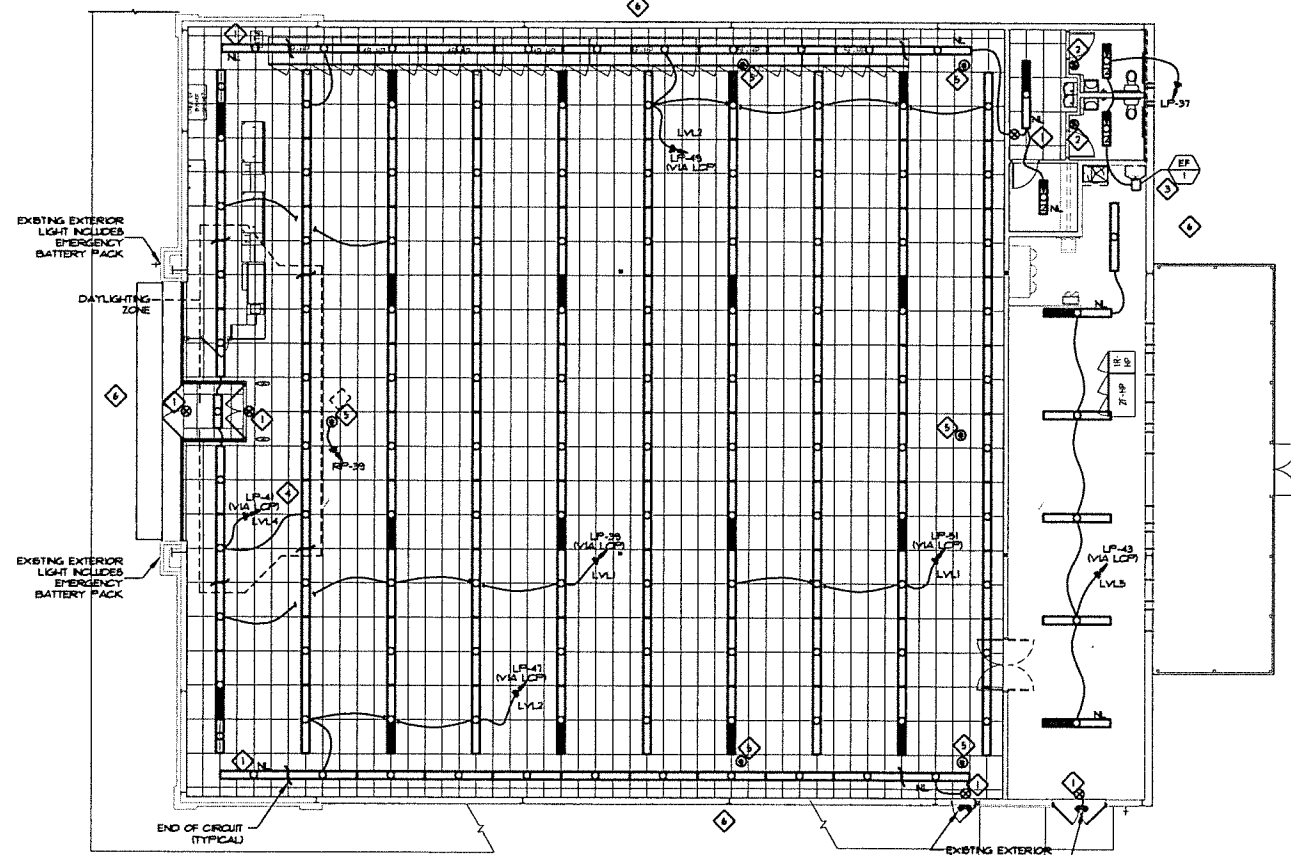
LIGHT FIXTURE SCHEDULE NOTES:

- A. DESIGNATED FIXTURE SHALL HAVE LED LAMPS.
- B. CUT INSULATION (WHEN BATT TYPE IS USED) OR PROVIDE SHIELD AROUND FIXTURE (WHEN BLOW-IN TYPE IS USED) TO KEEP INSULATION A MINIMUM OF 1" AWAY FROM FIXTURE.
- C. ATTACH FIXTURE TO 1-BAR PER NEC 410-36.
- D. FIXTURE PROVIDED WITH DUAL VOLTAGE 120/277V POWER SUPPLY. VERIFY VOLTAGE FOR EACH FIXTURE LOCATION.
- E. FIXTURE PROVIDED WITH BUILT-IN BATTERY BACK-UP.
- F. LIGHT FIXTURES INDICATED BY THE SMALLER SYMBOL DURING NORMAL BUSINESS WORKING HOURS.
- G. WITH NO FINISHED CEILING, LIGHT FIXTURES ABOVE THE SALES FLOOR SHALL BE SINK-FIXED @ 12'-0" A.F.F. AND LIGHT FIXTURES ABOVE THE STOCKROOM SHALL BE SUSPENDED @ 10'-0" A.F.F.
- H. FOR EXISTING FIXTURES THAT ARE TO REMAIN, THE CONTRACTOR SHALL REPLACE ALL EXISTING LAMPS WITH NEW LAMPS PROVIDED BY THE CONTRACTOR.

CONTRACTOR SHALL INSTALL ADDITIONAL WIRE TIE SUPPORTS FROM THE CEILING GRID TO THE STRUCTURE ABOVE FOR SUPPORT OF THE LIGHT FIXTURES CLIPPED ON THE GRID.
PROVIDE DEDICATED NEUTRAL FOR EACH LIGHTING CIRCUIT.

LIGHTING PLAN NOTES:

- 1. ALL EXIT SIGNS, NIGHT LIGHTS, AND EXTERIOR EMERGENCY LIGHTS SHALL BE CIRCUITED TO PANEL "LP", CIRCUIT 45. WIRING NOT SHOWN FOR DRAWING CLARITY.
- 2. TOILET ROOMS SHALL HAVE OCCUPANCY SENSORS INSTALLED AND CONNECTED AS SHOWN IN DETAIL #1 - SCHEMATIC DIAGRAM, THIS SHEET. POINT ON WALL NEXT TO DOOR INSIDE RESTROOM. LIGHTS AND OCCUPANCY SENSORS TO BE WIRED INDEPENDENTLY OF THE ENERGY MANAGEMENT SYSTEM VIA CIRCUIT LP-37.
- 3. TOILET ROOM EXHAUST SYSTEM TO CONNECT TO OCCUPANCY SENSORS PER THE SCHEMATIC DIAGRAM ON THIS SHEET. COORDINATE EXHAUST FAN LOCATION WITH MECHANICAL.
- 4. THE LIGHT FIXTURES WITHIN THE DESIGNATED DAYLIGHTING ZONE IN FIRST TWO ROWS WILL BE PROVIDED WITH INDEPENDENT CONTROL FOR DAY-LIGHTING PER IECC. THESE CIRCUITS SHALL BE ROUTED THROUGH THE LCP FOR DAY-LIGHTING CONTROL.
- 5. PROVIDE RECEPTACLE IN CEILING FOR SECURITY MONITOR EQUIPMENT AND CONNECT TO CIRCUIT RP-35. CONFIRM RECEPTACLE LOCATION WITH BID SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION.
- 6. EXISTING EXTERIOR SITE LIGHTING CIRCUITS AND Pylon CIRCUIT TO BE ROUTED THROUGH THE ENERGY MANAGEMENT SYSTEM, LEVEL 3 CONTRACTOR, FOR CONTROL.



LIGHTING PLAN
SCALE: 1/8"=1'-0"
PROJECT NORTH

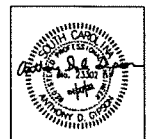
301 Industrial Blvd
Office: 931.454.9940
7808 Elm Hill Pkwy
Nashville, TN 37214
Office: 615.618.6022
oliver@gipson.com
olivergipson.com

Oliver • Little • Gipson
ARCHITECTS, P.C.
1100 17th Ave S, Ste 100
Nashville, TN 37203

date	description
mark	date
revisions	

1/1/21	AKWZ	DWG	DWG	AKW
date	project	designed	drawn	checked

RRMM
ARCHITECTS, P.C.
1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757) 622-7828 / Fax (757) 622-6883



FAMILY DOLLAR
FAMILY DOLLAR STORE, FD# 799732
HICKORY TAVERN, SC
LIGHTING PLAN

project	drawing
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GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL AND STATE CODES.
2. ALL MATERIAL, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITER'S LABORATORIES, INC. AND THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION.
3. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR. DRAWINGS ARE DIAGNOSTIC ONLY AND INDICATE ONLY THE GENERAL ARRANGEMENT. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS. DO NOT SCALE PLANS.
4. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.
5. ELECTRICAL CONTRACTOR SHALL MAKE ALL ELECTRICAL POWER CONNECTIONS TO HVAC, PLUMBING AND OTHER EQUIPMENT AS REQUIRED.
6. A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.
7. ALL CUTTING AND PATCHING OF WALLS AND FLOORS FOR ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
8. CONDUCTORS SHALL BE COPPER RATED AT NOT LESS THAN 600 VOLTS. MINIMUM SIZE SHALL BE 10 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE 10 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS 10 AND SMALLER SHALL BE SOLID, UNLESS OTHERWISE NOTED. BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE THHN/THWN OR XHHW AS REQUIRED.
9. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH NEC. TYPE PVC CABLE IS THE PREFERRED WIRING METHOD. USE EMT WHERE PVC IS PROHIBITED. USE RIGID STEEL CONDUIT WHERE EXPOSED OUTDOORS. USE LIQUID TIGHT FPC FOR ALL CONNECTIONS TO MOTORS AND CONDENSING UNITS. MINIMUM CONDUIT SIZE TO BE 3/4" EG TO RUN ALL ELECTRICAL OVERHEAD IN A NEAT AND ORGANIZED FASHION.
10. PROVIDE A PULLURE IN ALL EMPTY CONDUITS.
11. PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION OF AND TYPE OF LOAD BEING SERVED FOR ALL CIRCUITS. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT SWITCHES. WHITE LETTERS ON BLACK BACKGROUND.
12. FUSES @ 600 AMP'S SHALL BE UL CLASS "RK-1" LOW PEAK DUAL ELEMENT TYPE DELAY WITH 2000000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSHMANN, UNLESS NOTED OTHERWISE.
13. ALL TERMINAL BLOCKS SHALL BE 75° RATED. ALL TERMINALS, SPLICING CONNECTORS, LEGS, ETC SHALL BE IDENTIFIED FOR USE WITH THE MATERIAL (DUAL) OF THE CONDUCTOR AND SHALL BE PROPERLY INSTALLED.
14. VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF INCOMING ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START-UP. NOTIFY ENGINEER OF ANY CHANGES AS MAY BE REQUIRED.
15. ALL ELECTRICAL DEVICES (SWITCHES AND OUTLETS) SHALL BE "WHITE" WITH WHITE NYLON UNDERCABLE WALL COVER PLATES EXCEPT THAT 15 OUTLETS SHALL BE "ORANGE".
16. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ELECTRICAL EQUIPMENT FROM FOREIGN MATERIAL DURING CONSTRUCTION (PAINT, MORTAR, ETC.).
17. PENETRATIONS OF REQUIRED SMOKE PARTITIONS SHALL BE SEALED USING METHODS APPROVED UNDER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS SMOKE STOPPING IS ACCOMPLISHED.
18. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, FLOOR OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE APPROVED UL OR EQUIVALENT ASSEMBLIES.
19. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY UL. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THAT THE INTEGRITY OF THE UL RATING IS MAINTAINED.
20. WHERE A NOTE RUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT. DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOTTERRIN IS NOT SHOWN, THE CONTRACTOR SHALL COMBINE CIRCUITS AS FOLLOWS: A MAXIMUM OF THREE 120V BRANCH CIRCUITS MAY BE COMBINED IN A CIRCUIT HOTTERRIN WITH SEPARATE NEUTRALS FOR A MAXIMUM TOTAL OF 60A CURRENT CARRYING CAPACITY. ALL BRANCH CIRCUITS LARGER THAN 120V SHALL BE SEPARATELY HOTTERRIN TO THE PANEL.
21. EACH DISCONNECT SHALL BE EQUIPPED WITH A GROUND BAR.
22. PROVIDE GREEN EQUIPMENT GROUNDING CONDUCTOR WITH ALL FEEDER AND BRANCH CIRCUITS.
23. DEVICE HEIGHTS INDICATED ARE TO THE CENTER OF THE DEVICE OR EQUIPMENT UNLESS NOTED OTHERWISE. RECEPTACLE AND DATA/TELEPHONE OUTLETS SHOWN ADJACENT ON DRAWINGS SHALL BE MOUNTED 6" APART ON CENTER HORIZONTALLY.
24. COORDINATE ALL DEVICES AND OUTLETS ABOVE OR BELOW WITH CASING/ROOF INSTALLATION AND FOR IN ORDER TO POSITION AT THE PROPER LOCATION AND HEIGHT.
25. ALL EXTERIOR FIXTURES AND DEVICES SHALL BE RATED FOR OPERATION AT 0° F AND SHALL BE DWP OR UET LABELED AS REQUIRED.
26. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ELECTRICAL EQUIPMENT, DEVICES, ETC. IN ACCORDANCE WITH LOCAL SEISMIC CODE REQUIREMENTS. PROVIDE SEISMIC RESTRAINTS, ACCESSORIES AND INSTALLATION DETAIL AS REQUIRED.
27. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL DETAILS OF THE WORK AND WORKING CONDITIONS. VERIFY ALL FIELD CONDITIONS INCLUDING LOCATION OF UTILITY LINES, STRUCTURES AND ADVISE THE ENGINEER OF ANY DISCREPANCY THAT MAY PREVENT OR HINDER THE SPECIFIED WORK FROM BEING COMPLETED.
28. THE CONTRACTOR SHALL STUDY THE STRUCTURE AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE THE WORK ACCORDINGLY. THE CONTRACTOR SHALL PROVIDE ALL ACCESSORIES, HANGERS, AND ANCHORS AS NECESSARY TO MEET SUCH CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER.
29. PRIOR TO ACCOMPLISHING ANY WORK IN ANY AREA, ALL WORK SHALL BE PLANNED AND COORDINATED WITH OTHER TRADES AND THE OWNER. THE CONDUIT ROUTING SHALL BE COORDINATED WITH DUCTWORK AND OTHER OBSTACLES SO AS TO PROVIDE THE MOST EFFICIENT AND AESTHETICALLY PLEASING INSTALLATION.
30. PROPERLY SUPPORT ALL WORK AND EQUIPMENT INSTALLED UNDER THIS CONTRACT. STUDY ALL DRAWINGS, MANUFACTURER'S INSTRUCTIONS, AND CATALOG DATA TO DETERMINE HOW EQUIPMENT ACCESSORIES, AND RELATED ITEMS ARE TO BE SUPPORTED, MOUNTED OR SUSPENDED. PROVIDE ALL BOLTS, INSERTS, BRACKETS, STRUCTURAL SUPPORTS, AND ACCESSORIES FOR PROPER SUPPORT OF EQUIPMENT BEING FURNISHED UNDER THIS CONTRACT.

301 Hickory Hill
 Nashville, TN 37208
 Office: 615.454.9840
 2605 Elm Hill Blvd. C
 Nashville, TN 37214
 Office: 615.678.8022
 oliver@olig.com
 olig.com

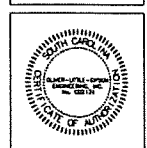
Oliver • Little • Gipson
OLIG
 ENGINEERING, INC.

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION No. 00234 - Expires 03/31

13/21	13/21	13/21	13/21
DATE	PROJECT	DESIGNED	CHECKED
		BY	DATE
		DESCRIPTION	REVISIONS

RRMM
 ARCHITECTS, P.C.

1317 Executive Blvd, Suite 200
 Chesapeake, VA 23320
 (757) 622-2628 / Fax (757) 622-6883



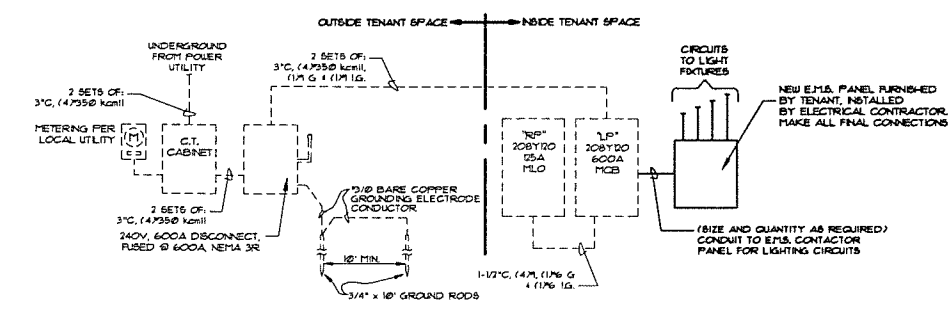
FAMILY DOLLAR
 FAMILY DOLLAR STORE, FD# 799732
 HICKORY TAVERN, SC

NOTES & RISER DIAGRAM

Project: drawing: sheet:

RISER LEGEND

---	DASH DOT LINE TYPE INDICATES EXISTING EQUIPMENT TO REMAIN
---	HIDDEN LINE TYPE INDICATES EQUIPMENT FURNISHED AND INSTALLED BY LANDLORD.
—	CONTINUOUS LINE TYPE INDICATES NEW EQUIPMENT TO BE INSTALLED
---	PHANTOM LINE TYPE INDICATES EXISTING EQUIPMENT TO BE RELOCATED



2 RISER DIAGRAM
 SCALE: NONE

I. GENERAL CONTRACTOR'S RESPONSIBILITIES:

- Read Cylon Retail Solutions (CRS) / Dollar Tree (DT) Documentation Package.
- Review all DT drawings.
 - Contact Cylon Retail Solutions Inc. at (888) 211-6789 and submit a fully completed EMS Installation Survey.
 - Confirm CRS Survey Form is fully completed and EMAILED to CRS National Account Team at Surveys@Cylon.com or FAXED to (855) 224-0879, **24 Hours Prior to scheduling the EMS Commissioning.**
 - EMS Commissioning dates cannot be scheduled until fully completed EMS Installation Surveys have been received and approved by the CRS National Deployment Team.
- Schedule remote EMS commissioning **24 hours prior** to the requested commissioning date.

II. ELECTRICAL RESPONSIBILITIES:

Power to all EMS equipment and devices must be OFF while terminations are made.

- Provide all labor and installation material, as required, for a complete and operational EMS for this DT store location.
- Receive and store all CRS material in a dry and secure place until the EMS Installation is completed.
- The EMS equipment will be supplied by CRS and installed by an approved DT contractor.
- Review the entire set of plans, perform a job site survey and inventory the CRS equipment to ensure the proper equipment has been ordered and received for a complete and operational CRS EMS.
- If any material is missing or additional equipment is required, immediately call CRS at (888) 211-6789 to request an order.
- Approved Contractor shall verify number of controlled lighting circuits against the design, report discrepancies, which cannot be resolved in the field, to the CRS National Account Support Team at (888) 211-6789 and wait for resolution instructions.
- Coordinate the EMS installation with the Mechanical Contractor to avoid any interference that may delay progress during construction.
- Perform all work in accordance with all National, State and Local Codes for this project.
 - All EMS cables are to be installed per National and Local Codes. It is the Electrical Contractor's responsibility to determine if National and Local Codes permit Class 2 cables to be installed exposed within the building structure or if a full conduit system is required.
 - EMT connectors and bushings are to be installed at the top of every conduit sleeve and threaded connector to protect EMS cables from abrasions.
 - All cables are to be clearly and distinctly labeled within one foot of both ends.
 - Furnish and install all required conduit, boxes, wire ways, fittings, straps, hangers and wiring for a complete and operational EMS as required.
 - Furnish and install a dedicated 120 VAC circuit with breaker lock for the EMS Panel.
 - Label breaker: **DO NOT TURN OFF / EMS**
 - Confirm wiring is completed as per this documentation package before applying power. Improper wiring will cause damage to equipment.
 - Mount the EMS Panel adjacent to the electrical panels.
 - Install an Ethernet cable run from the eSCI RJ-45 jack located in the EMS Panel to the network switch specified by the DT networking team.
 - Call CRS at 888.211.6789 to verify Network Connectivity before proceeding with the EMS Installation.
 - Install and terminate the CRS BACnet communication trunk, in a daisy chain fashion, from the EMS Panel to each of the Thermostat Controls and all other BACnet devices. (see this documentation package for requirements)
 - When applicable, mount the Auxiliary I/O Panel adjacent to the EMS Panel and ensure both panels are connected to the same Earth Ground.
 - When applicable, ensure the Auxiliary I/O Panel is connected in series with the other BACnet devices on the BACnet communications trunk.
 - Mount and terminate the Outdoor Sensor Assembly (OSA) on the HVAC unit that resides closest to the EMS Panel. When installing, make sure OSA enclosure is:
 - Mounted on a 1" rigid riser with an "LB" secured to the back of the OSA (Refer to OLS/OTS Detail as shown on EM-4)
 - Mounted 3 feet above the HVAC unit
 - Mounted facing north, away from the combustion heat blower and condenser fan
 - Weather-proofed
 - Mounted with the white PVC sensor pointed downward
 - Positioned to allow the Outdoor Light Sensor exposure to full ambient daylight but is not shadowed or exposed to any artificial illumination
 - When applicable, mount and terminate the CO2 Sensor as per the location specified by the DT drawings and this documentation package.
 - Mount and terminate the Override Button assembly as per the location specified by the DT drawings and this documentation package.
 - Do not adjust the DIP Switches for the EMS Override Buttons. They are factory preset for:
 - MSTP Address = 35
 - Baud Rate = 19200
 - Network Termination = Off
 - When applicable, mount and terminate the Indoor Ambient Light Sensor(s) as per the location specified by the DT drawings and the Special Instructions in this documentation package.
 - Install and wire load sides of lighting contactors for designated lighting loads and zones as required by DT and this documentation package
 - Employee Zone = 40% of Sales floor and 100% of all Stockroom areas
 - Customer Zone = Remaining 60% of Sales Floor
 - Exterior Zone = Building Exterior and Parking lights
 - When applicable, Daylight Zone = First two (2) rows of lights along the store-front windows.
 - Furnish and install a 3-pole, 20-amp breaker/disconnect at the Main Electrical Distribution Panel (MDP) for the Phase Loss Power Monitor and Energy Meter.
 - When applicable, furnish and install a 3-pole, 20-amp breaker/disconnect at each Electrical Distribution Panel for each additional Phase Loss Power Monitor
 - Terminate wiring as specified in this documentation package.
 - Label Main Electrical Distribution Panel breaker/disconnect: **DO NOT TURN OFF / PHASE FAILURE & ENERGY METER**
 - When applicable, label auxiliary Electrical Distribution Panel breaker/disconnect: **DO NOT TURN OFF / PHASE FAILURE**
 - Confirm wiring is completed as per this documentation package before applying power. Improper wiring will cause damage to equipment.
 - Install and terminate the CRS Modbus communication trunk from the eSCI Controller to the Energy Meter. (Refer to OEM instructions and this documentation package for requirements)
 - Permanently mount and terminate the Electrical Meter in close proximity to the main utility power feed.
 - Permanently mount the 3 Current Sensors, one each, around the 3 phases of the main utility feed.
 - Terminate the 3 Current Sensors to the Energy Meter, correctly maintaining Electrical Phase and Meter Input relationships.
 - Using the OEM Instructions, configure the EMS Energy Meter for:
 - Proper Current Transformer (CT) Ratio - Current Sensor Primary (Ci) = 400 - 1500 Amp
 - Nominal Line to Line Voltage = 480 Vac
 - Baud Rate = 19200
 - Address = 1
 - Voltage Input Mode = True 3 Phase
 - CT Auto Rotation = Auto Rotate
 - Note: The EMS is designed to monitor a single primary 3 phase power feed. Contact CRS for support when attempting to monitor multiple power feeds
 - Provide a technician, on site, for an approximate 2-hour remote telephone checkout with CRS.
 - Coordinate with the Mechanical Contractor to verify HVAC control during the CRS remote telephone checkout.
 - Prior to scheduling the Remote Commissioning Checkout, the Electrical Contractor will:
 - Confirm CRS Survey Form is completed and EMAILED to CRS National Account Team at Surveys@Cylon.com or FAXED to (855) 224-0879, **24 Hours Prior to scheduling the EMS Commissioning.**
 - Confirm the Mechanical Contractor will be present during the CRS Remote Commissioning Checkout.
 - Contact CRS to schedule the EMS Commissioning, **24 hours prior** at (888) 211-6789.

III. MECHANICAL RESPONSIBILITIES:

Power to all EMS equipment and devices must be OFF while terminations are made.

- Provide labor and installation material, as required, for a complete and operational EMS for this DT store location.
- Verify number and type of HVAC units against the design, report discrepancies, which cannot be resolved in the field, to the CRS National Account Support Team at (888) 211-6789 and wait for resolution instructions.
- Perform all work in accordance with all National, State and Local Codes for this project.
- Mount and terminate the SimpleSTAT module(s) as per the location(s) specified by the DT drawings and this documentation package.
- Utilizing 18/8 cable between the SimpleSTAT module and HVAC unit.
 - Terminate C, R, G, Y1, Y2, W1 and W2 on the HVAC unit for control of fan, cooling and heating.
 - Terminate the communications cables to the SimpleSTAT(s) as shown in this documentation package.
 - Set address on the SimpleSTAT module, as shown in the SimpleSTAT installation instructions. When communications to the EMS is in a failed state, the SimpleSTAT will operate 24/7 as a stand-alone STAT using the following temperature setpoints:
 - Default Cooling Setpoint = 72.0 °F
 - Default Heating Setpoint = 68.0 °F
 - Utilizing the Downrods and associated hardware, specified by the DT drawings and the "Special Instructions" section of this documentation package, mount and terminate the Remote Space Temperature Sensor(s) as per the location(s) specified by the DT drawings.
 - In close proximity to the zone return air grille and away from supply air drafts.
 - Install and secure the Remote Temperature Sensor wire to the Thermostat Controller.
 - Mount the Supply Duct Temperature sensor of each HVAC unit.
 - The remote Supply Duct Temperature Sensor should be mounted in the main Supply Air Duct on the interior side of the HVAC unit's building penetration.
 - Utilizing 18/2 wire, terminate the supply duct temperature sensor wire to the Thermostat module as shown in this documentation package.
 - Provide Electrical Contractor with roof plan layout, showing location of HVAC Units on the roof.
 - Provide a technician, on site, for an approximate 2-hour remote telephone checkout with CRS.
 - Coordinate with the Electrical Contractor to verify proper HVAC control during the CRS Remote Commissioning Checkout.

IV. CYLON RETAIL SOLUTIONS RESPONSIBILITIES:

- The following services will be supplied by CRS:
 - Shipping of all contracted EMS components for the job.
 - Programming and downloading of CRS equipment and software.
 - Provide telephone technical support at (888) 211-6789.
 - Remote system checkout with installing contractor
- Verification of proper operation of the following items by exercising the controlled load:
 - Timed operation of all applicable EMS lighting loads - Interior and Exterior.
 - Outside light level control of all applicable EMS lighting loads - Interior and Exterior.
 - Operation of HVAC heating stages, as indoor environment allows.
 - Operation of HVAC cooling stages, as indoor and outdoor environments allow.
 - Verification of HVAC unit sensor readings - space and supply temperatures.
- If any end unit (e.g. lighting, HVAC unit, supply air fan, etc.) cannot be operated for mechanical or electrical reasons, CRS will verify the proper operation of the EMS control devices (e.g. contactors, discrete I/O) leading up to the unit, in order to fully verify the operations of the EMS.
- CRS will issue an "EMS Check-Out Number" once all store systems are verified as operational.

DEVICE LEGEND	
SYMBOL	DESCRIPTION
	HVAC UNIT CONTROLLER (SIMPLESTAT)
	HVAC UNIT CONTROLLER (TRC)
	DUCT TEMPERATURE SENSOR
	SPACE TEMPERATURE SENSOR
	OUTDOOR LIGHT SENSOR
	OUTDOOR TEMPERATURE & RELATIVE HUMIDITY SENSORS
	REMOTE TEMPERATURE SENSOR
	INDOOR CO2 SENSOR
	INDOOR RELATIVE HUMIDITY SENSOR
	INDOOR LIGHT SENSOR
	O/H DOOR SENSOR
	SECURITY INTERFACE DEVICE
	eBUILDING SYSTEM CONTROLLER
	REMOTE OVERRIDE SWITCH
	OCCUPANCY SENSOR

CABLE LEGEND				
KEY	SIZE	TYPE	MFG.	MFG. PART #
	18/2	SHIELDED PLENUM	WINDY CITY	# 002320-S
	18/4	SHIELDED PLENUM	WINDY CITY	# 002340-S
	18/8	NON SHIELDED PLENUM	WINDY CITY	# 002392-S
	18/10	NON SHIELDED PLENUM	WINDY CITY	# 002393-S
	24/8	CAT5 E PLENUM	WINDY CITY	# 5556140-S

Cylon
RETAIL SOLUTIONS
25 Sundial Ave - Suite 310 W
Manchester, NH 03103

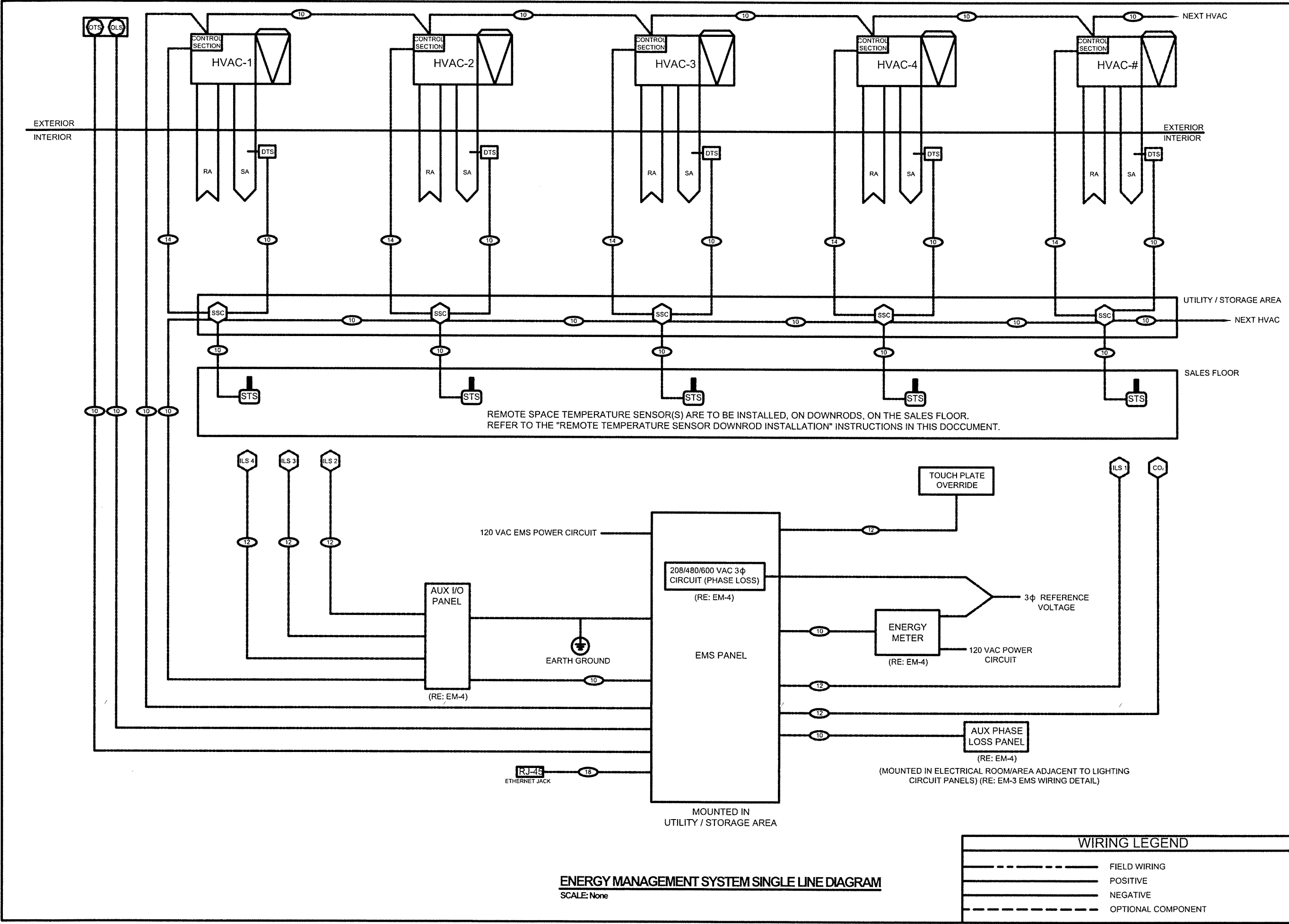
**FAMILY DOLLAR
DRAWING NOTES
(FOR REFERENCE ONLY)**

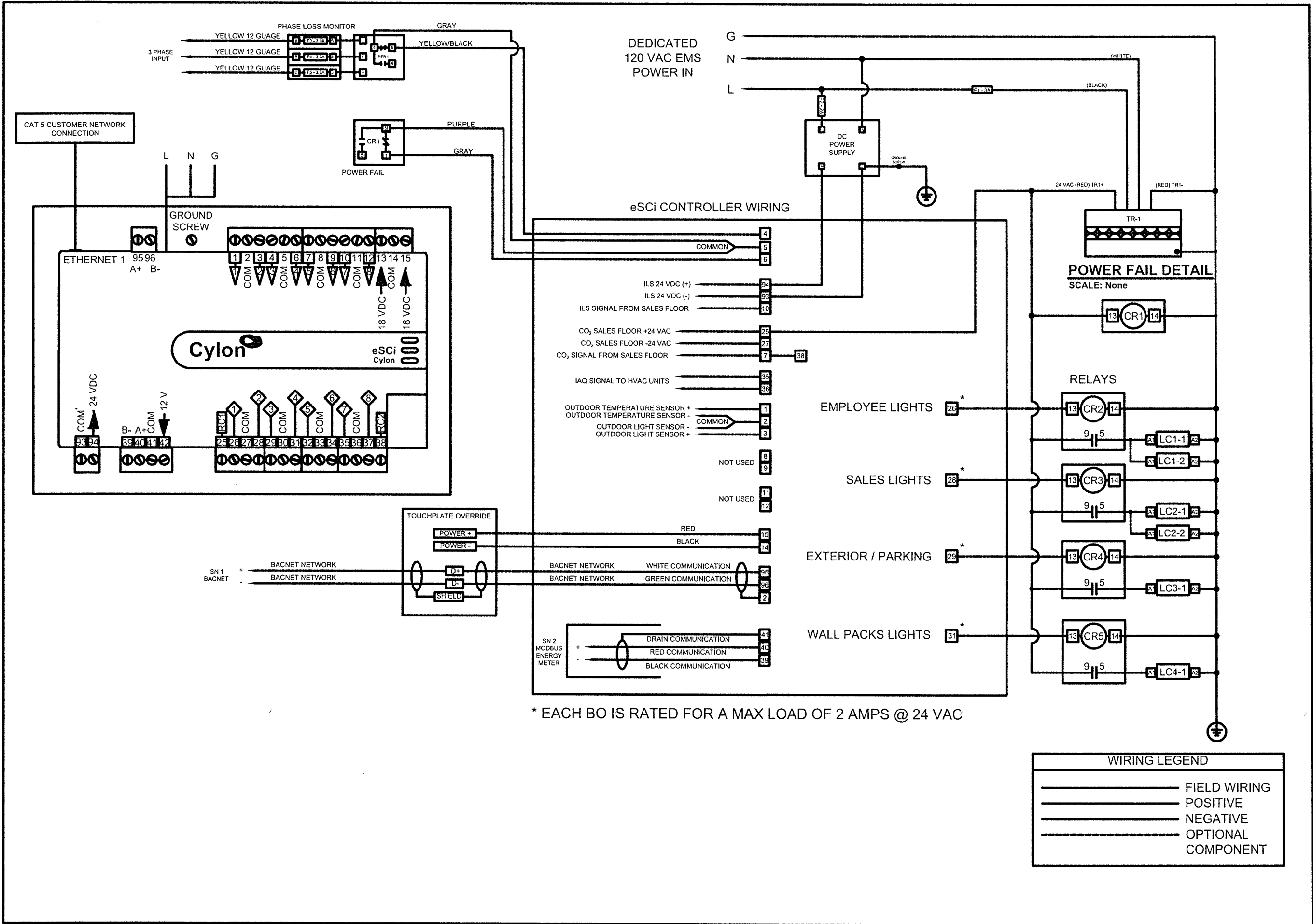
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LOOSE DT OPTION		
REVISION:	DATE:	ECN#:
REVISION:	DATE:	ECN#:
REVISION:	DATE:	ECN#:
DRAWN: WPC	ENGINEER: CGP	
PART #: 94-403	OPTION: P	

**ENERGY
MANAGEMENT
PLAN**
EM-1 of 4

FAMILY DOLLAR
LINE DIAGRAM
(FOR REFERENCE ONLY NOT TO SCALE)

REVISION: 1	DATE: 06/05/20	ECN#: 2396
LOOSE DT OPTION		
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
DRAWN: WPC	CHECKED: CGP	
PART #: 94-403	OPTION: P	





* EACH BO IS RATED FOR A MAX LOAD OF 2 AMPS @ 24 VAC

Cylon
RETAIL SOLUTIONS
25 Sundial Ave - Suite 310 W
Manchester, NH 03103

FAMILY DOLLAR
FIELD WIRING
(FOR REFERENCE ONLY NOT TO SCALE)

REVISION: 1	DATE: 06/05/20	ECN#: 2396
LOOSE DT OPTION		
REVISION: --	DATE: --	ECN#: --
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REVISION: --	DATE: --	ECN#: --
REVISION: --	DATE: --	ECN#: --
DRAWN: WPC	CHECKED: CGP	
PART #: 94-403	OPTION: P	

ENERGY MANAGEMENT PLAN
EM-3 of 4

