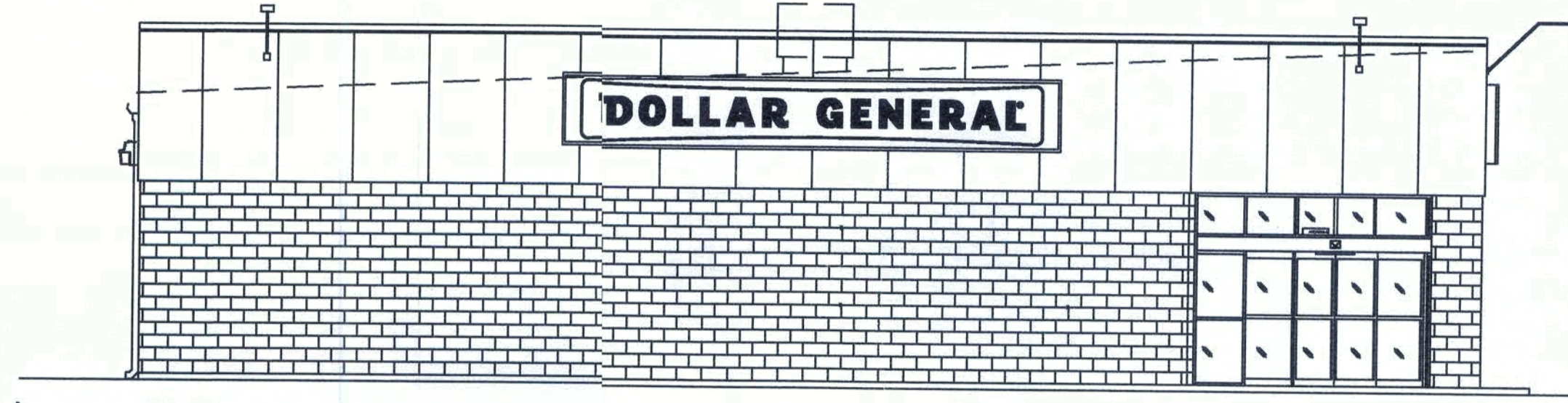


**70'-0" x 130'-0" DGTP 9,100 SQ. FT. PROTOTYPE "F"
RIGHT CORNER ENTRY
RELEASE 3/20/2018
STORE # 20685**



APPROVED (Subject to Revisions)
Life Safety Services
Columbia County Fire Rescue
Florida State Fire Inspector # 139416
By: [Signature] Date: 6/19/19

JAMES BLYTHE
REGISTERED ARCHITECT
RA LEED AP BD+C
3324 W. UNIVERSITY AVE
PMB #151
GAINESVILLE, FL 32607
AR94452

THESE DRAWINGS HAVE BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ARCHITECT ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS THAT MAY BE INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION PROVIDED TO THE ARCHITECT. THOSE RELYING ON THIS DRAWING FOR CONSTRUCTION SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE CODES AND ORDINANCES. SUPERINTENDENTS ARE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO CONSTRUCTION. ALL INFORMATION IS THE EXCLUSIVE PROPERTY OF THE PARTIES NOTED ON THIS TITLE BLOCK.

SHEET INDEX	PEMB & MEP	PRE PERMIT 2	PRE PERMIT 3	PRE PERMIT 4	PERMIT SET	REVISIONS					
						1	2	3	4	5	
GENERAL											
T1 COVER SHEET	X				X						
CIVIL											
C1 SITE PLAN (REFERENCE ONLY) & DUMPSTER ENCLOSURE					X						
ARCHITECTURAL											
LS1 LIFE SAFETY PLAN					X						
F1 FIXTURE PLAN					X						
A1 FLOOR PLAN, DETAILS & INTERIOR PARTITIONS	X				X						
A2 EXTERIOR ELEVATIONS & EXTERIOR FINISH SCHEDULE	X				X						
A3 SECTIONS & DETAILS	X				X						
A4 ROOM FINISH SCHEDULE & SALES FLOOR ELEVATIONS	X				X						
A5 DOOR SCHEDULE & DETAILS	X				X						
A6 TOILET ROOM PLAN & DETAILS	X				X						
A7 SIGN DETAILS (REFERENCE ONLY)	X				X						
A8 SIGN BRACING (REFERENCE ONLY)	X				X						
A9 REFLECTED CEILING PLAN	X				X						
A10 ROOF PLAN & METAL BUILDING NOTES	X				X						
A11 CONCRETE SPEC	X				X						
A12 CONCRETE SPEC	X				X						
V1 FIELD MEASUREMENT	X				X						
STRUCTURAL											
S1 FOUNDATION PLAN					X						
S2 FOUNDATION DETAILS					X						
S3 FOUNDATION DETAILS					X						
ELECTRICAL											
E1 POWER PLAN	X				X						
E2 LIGHTING PLAN	X				X						
E3.1 PANEL SCHEDULES	X				X						
E4 DATA ROUTING & CCTV	X				X						
EMS1 ENIS LOW VOLTAGE PLAN	X				X						
EMS2 ENIS PANEL & CONTROLS	X				X						
MECHANICAL											
M1 MECHANICAL PLAN	X				X						
M2 FIRE DAMPER DETAILS	X				X						
PLUMBING											
P1 PLUMBING PLAN & SCHEDULES	X				X						
P2 PLUMBING DETAILS & DIAGRAMS	X				X						

REQUIRED NATIONAL ACCOUNT VENDORS					
	COMPANY	CONTACTS	PHONE #	REQUIRED ITEMS	
SITE	RAINBIRD IRRIGATION	LOCAL RAIN BIRD DISTRIBUTER	WWW.RAINBIRD.COM	IRRIGATION SYSTEMS	
	EUCLID CHEMICAL COMPANY	PHIL BRANDT	877-438-3826 PBrandt@euclidchemical.com	CONCRETE POLISHING SYSTEMS	
CONCRETE POLISHING	RETRO-PLATE SYSTEMS	SCOTT MAXFIELD	801-641-6796 scott.maxfield@retroplatesystem.com	CONCRETE POLISHING SYSTEMS	
	RECORD DOOR SYSTEMS	MICHAEL VINNIK	704-290-0234 dollargeneral@recorddoors.com	MODEL #5100 SERIES	
STOREFRONT ENTRANCE	STANLEY ACCESS TECHNOLOGIES	DENNIS WEBB	256-776-8902 DGdoors@sbdinc.com	AR,AZ,CA,CO,CT,DE,IL,IA,KS,LA,MA,ME,MI,MN,MO,ND,NE,NH,NJ,NM,NV,NY,OK,OR,RI,SD,TX,VT,WI	
	ASSA ABLUY ENTRANCE SYSTEMS	ROSS MERKLING	609-528-2580 dollargeneral.besam.us@assaabloy.com	AL, FL, GA, MS, NC, SC, TN	
INTERIOR DOORS	GIRTMAN AND ASSOCIATES	MIKE MOYNAHAN	615-350-6000 dgconstruction@bass-security.com	INTERIOR DOORS AND FRAMES AND RESTROOM ACCESSORIES	
	COOK & BOARDMAN GROUP	JOE HARRELL	336-837-0673 nationalsales@cookandboardman.com	CT,DE,IL,IN,KY,MA,MD,ME,MI,NC,NH,NJ,NY,OH,PA,RI,VA,VT,WV	
FINISHES	SHERWIN WILLIAMS	LOCAL SHERWIN WILLIAMS STORE		PAINT, PRIMER, CONCRETE SEALER AND BLOCK FILLER	
	MC CUE CORPORATION	KEVIN O'NEILL	678-492-4026 koneill@mcucue.com	TRIM KIT INCLUDES BUMPER GUARDS AND CART STOP	
HVAC UNITS	YORK	NATIONAL ACCOUNTS	800-481-9738 york-dollargeneral-be@j.i.com	HVAC UNITS	
	CARRIER	HASAN KHALIL	315-432-7655 Hasan.Khalil@carrier.utc.com	AR, CO, IL, IN, KY, KS, MO, OH, OK, WV	
RTU CURBS	LENNOX	SCOTT MACDONALD	972-497-6781 dollargeneral@lennoxind.com	CT, IA, MA, ME, MI, MN, ND, NE, NH, NY, PA, RI, SD, VT, WI	
	ROOF CURB SYSTEMS	CLIFTON REASOR	800-683-5848 DollarGeneral@roofcurb.com	AL, AZ, CA, DE, FL, GA, LA, MD, MS, NC, NM, NV, OR, SC, TN, TX, VA	
ELECTRICAL SWITCH GEAR	CURBS PLUS INC.	ALLAN THRAILKILL	888-639-2872 alan.thrailkill@curbs-plus.com	RTU CURB	
	KCC INTERNATIONAL INC.	GREG CONRAD	800-382-2872 gconrad@kccurbs.com	RTU CURB	
LIGHTING	CED - CONSOLIDATED ELECTRICAL DISTRIBUTORS	ROBERT DECKER	270-781-2229 robertd@cedbgky.com	ELECTRICAL SWITCH GEAR	
	NESCO	CHRIS TRACY	800-244-6980 dollargeneral@needhamelectric.com	ELECTRICAL SWITCH GEAR	
LOW VOLTAGE SYSTEM	USLED	DANA PORTER PAUL JEZIOROWSKI	713-337-3836 DGUSLED@usled.com	ELECTRICAL LIGHTING SUPPLIES	
	LEDS	MICHAEL STRINGER KYLE KNAPP	920-915-4010 DGORDERS@leds-llc.com	ELECTRICAL LIGHTING SUPPLIES	
CABLE TRAY	D&P CUSTOM LIGHTING	NATIONAL ACCOUNT SALES	800-251-2200	CUSTOM POWER POLES	
	CROSSCOM NATIONAL	ANDREA LEMAY	847-850-6297 dollargeneral@crosscomnational.com	LOW VOLTAGE & VOICE/DATA	
EMERSON CLIMATE TECHNOLOGIES	ASD	CHRIS RUDNITSKI	828-624-1046 crudnitski@asd-usa.com	LOW VOLTAGE & VOICE/DATA	
	GRAYBAR	JEROME BANNISTER	615-743-3202 office, 615-924-2135 cell DollarGeneral@graybar.com	CABLE TRAY	
STANLEY CONVERGENT SECURITY SOLUTIONS	EMERSON CLIMATE TECHNOLOGIES	WEBSITE: http://dollargeneralbid.ectolutions.net	USER NAME: dollargeneralbid PASSWORD: dollargeneralbid	EMS SUPPLIER NOTE: CUSTOMIZED DOLLAR GENERAL EMS PANEL REQUIRES STORE #, CITY, STATE, ZIP CODE & QTY. OF HVAC UNITS OF THE INSTALL SITE WHEN ORDERING.	
	STANLEY CONVERGENT SECURITY SOLUTIONS	DAN GOLDSMITH	740-215-8913	INTERIOR FIRE ALARM PANELS	

THIS BUILDING DOES NOT REQUIRE FIRE SPRINKLER SYSTEM.

AS REQUIRED BY FS 633.027(1): THE ROOF CONSTRUCTION OF THIS STRUCTURE IS A LIGHT GAUGE STEEL FRAME METAL BUILDING AND IS THEREFORE CONSIDERED A LIGHT-FRAME TRUSS TYPE CONSTRUCTION. - REF. SHEET L1 FOR REQUIREMENTS.

OCCUPANCY CLASSIFICATION: MERCANTILE GROUP M
CONSTRUCTION TYPE: II-B
WIND LOAD CRITERIA (PER 1603.1.4):
BASIC WIND SPEED = 118 Vult / 110 Vasd
RISK CATEGORY = II
EXPOSURE TYPE = B
EXPOSURE CLASSIFICATION = CLOSED
COMPONENTS & CLADDING:
WIND IMPORTANCE FACTOR = 1.0 (21'-0" BLDG. HEIGHT)
INTERNAL PRESSURE COEFFICIENT: ± 0.18
CODES TO BE ADHERED TO AT TIME OF CONSTRUCTION:
2017 FL BUILDING CODE, BUILDING - 6th EDITION
2017 FL BUILDING CODE, FUEL GAS - 6th EDITION
2017 FL BUILDING CODE, MECHANICAL - 6th EDITION
2017 FL BUILDING CODE, ACCESSIBILITY - 6th EDITION
2017 FL BUILDING CODE, ENERGY CONSERVATION - 5th EDITION
FLORIDA FIRE PREVENTION CODE - 6th EDITION
2014 NATIONAL ELECTRIC CODE (NFPA 70-14)

OCCUPANCY USE AND CLASSIFICATION - SECTION 309.1 MERCANTILE GROUP M / CLASS B (PER 2017 FBC CHAPTER 3)			
AREA	TOTAL S.F.	PER TABLE 1004.1.1	TOTAL
SALES AREA:	7,422	1/60 (MERCANTILE)	124
OFFICE:	80	1/100 (BUSINESS)	1
BREAKROOM:	105	1/100 (BUSINESS)	2
RECEIVING:	905	1/300 (STORAGE)	4
MISC. BUILDING:	588	1/100 (BUSINESS)	6
BLDG. TOTAL	9,100		137

PLEASE NOTE:
PER FBC 2014 CHAPTER 3, RECEIVING AREA TO BE CLASSIFIED AS LOW-HAZARD STORAGE, GROUP S-2 (311.3)
ALL NON-SALES AREA OF THE BUILDING ARE TO BE CLASSIFIED AS BUSINESS, GROUP B (304.1)

SQUARE FOOTAGE LEGEND	
TOTAL SQUARE FOOTAGE	9,100 S.F.
TOTAL LEASABLE AREA	9,002 S.F.
OVERALL BUILDING DIMENSIONS	70'-0" X 130'-0"
SALES FLOOR DIMENSIONS	68'-0" X 107'-5"
SALES AREA	7,422 S.F.
RECEIVING AREA	905 S.F.
BREAK ROOM & OFFICE AREA	185 S.F.
TOILET ROOMS & HALLWAY AREA	176 S.F.
TOTAL NET AREA (BLDG AREA PER CODE)	8,688 S.F.

- NOTES:
- BUILDING MUST COMPLY WITH ALL BUILDING (FEDERAL, STATE AND LOCAL), FIRE, ACCESSIBILITY AND HEALTH DEPARTMENT CODES.
 - NO TAPERED COLUMNS ALLOWED.
 - MAINTAIN INTERIOR CLEAR SALES SPACE AS REQUIRED ON PLANS.

REQUIRED NATIONAL ACCOUNTS FOR ENGINEERING AND CONSTRUCTION MATERIAL TESTING					
COMPANY	CONTACTS	PHONE #			
ATC ASSOCIATES, INC.	LESLIE GREENWOOD	205-733-8775 leslie.greenwood@atcgc.com	www.atcassociates.com		
BUILDING AND EARTH SCIENCES, INC.	MATT ADAMS	205-836-6300 dollargeneral@buildingandearth.com	www.buildingandearth.com		
EAS PROFESSIONALS, INC.	JERRY MARRONE	864-234-7368 dollargeneral@eas-pro.com	www.eas-pro.com		
PROFESSIONAL SERVICE INDUSTRIES, INC. (PSI)	TERESA HEBNER	770-424-6200 #3030 teresa.hebner@psiusa.com	www.psiusa.com		
TERRACON	JOHN MEADOW	770-623-0755 #353 dollargeneral@terracon.com	www.terracon.com		

NOTE: MATERIAL TESTING IS REQUIRED ON ALL TRIPLE NET LEASES.

PROTOTYPE MANAGEMENT TEAM					
COMPANY	CONTACTS	PHONE #			
MJM ARCHITECTS	GARY CONWAY	615-244-8170 dg@mjmarch.com	www.mjmarch.com		
ENTECH	MITCH SIMPSON	615-373-2640 email@entechtn.com	www.entechtn.com		

NATIONAL ACCOUNT & CONTACT INFORMATION SUBJECT TO CHANGE

CONCEPT COMPANIES

3817 NW 97th BOULEVARD / GAINESVILLE, FL 32606
LICENSE # CC-1515497
PH: 977-309-1029 / FAX: 800-218-7808
WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL

1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20685
2018 PROTOTYPE - PLAN 9100F - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
4/5/19 - JEM

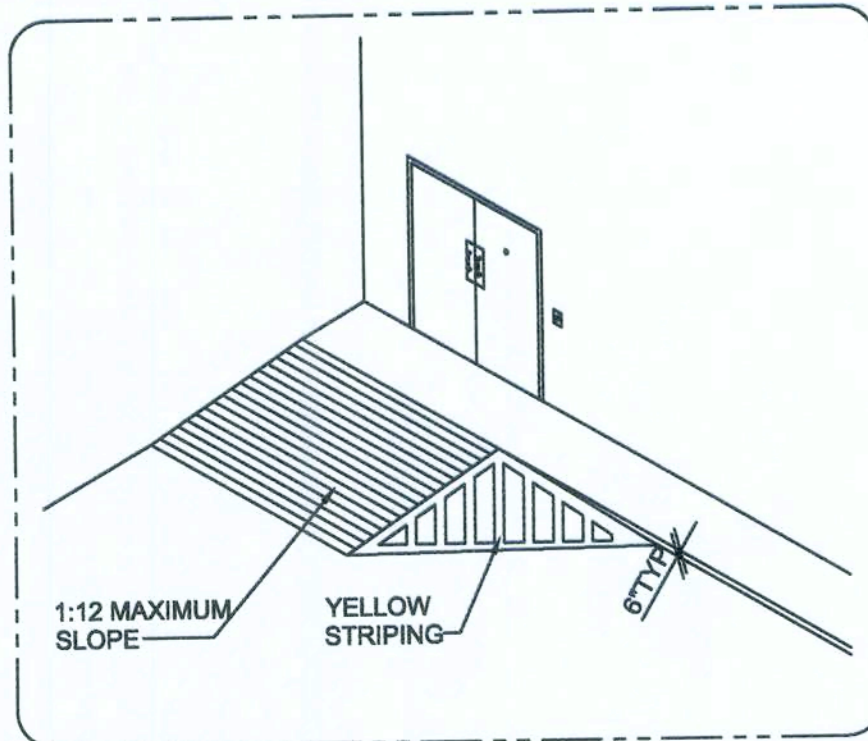
REVISION DATE / REVISED BY:

PROJECT NUMBER:
4000.180

DRAWING TITLE:
COVER SHEET

SHEET NO.

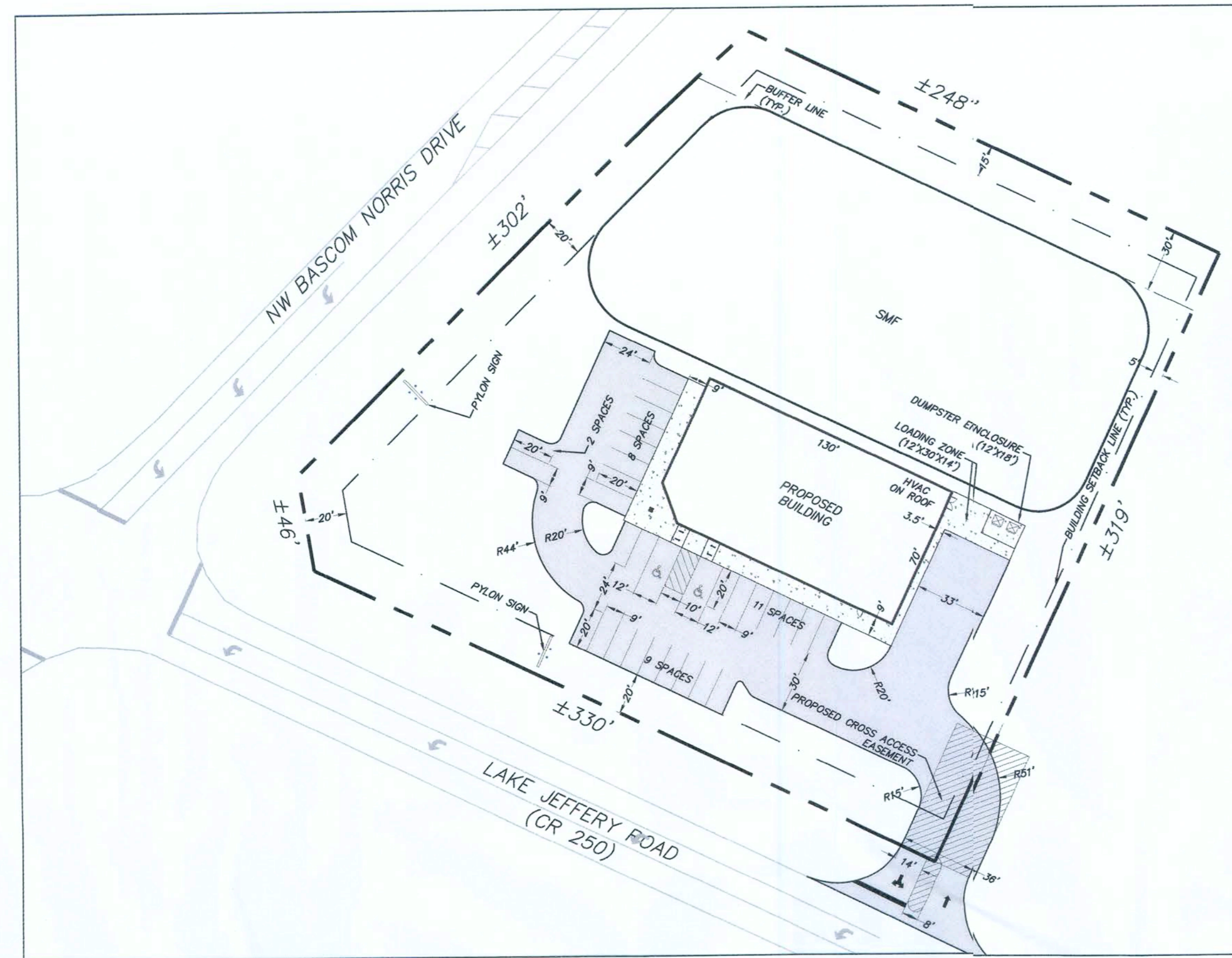
T1



STRIPING LEGEND	
YELLOW CURBING AND BOLLARDS	SURFACES SHOULD BE CLEAN, DRY AND METAL SURFACES FREE OF HEAVY RUST 2 COATS SHERWIN WILLIAMS - KEM 4000 ACRYLIC ALKYD ENAMEL SAFETY YELLOW B55900
PARKING LOT STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PROMAR TRAFFIC MARKING PAINT YELLOW TM5495
HANDICAP STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PROMAR TRAFFIC MARKING PAINT "H.C." BLUE

CONTRACTOR IS RESPONSIBLE FOR ALL PUBLIC UTILITY CONNECTIONS (ELECTRIC, WATER, GAS, SEPTIC, SEWER) AS WELL AS PROVIDING ALL INFRASTRUCTURES REQUIRED BY UTILITY COMPANY

NOTE:
FOR REFERENCE ONLY. SEE SIGNED AND SEALED CIVIL ENGINEERING PLANS



1 SITE PLAN (REFERENCE ONLY)
C1 SCALE: N.T.S.



Premium Steel Pole

HW-HID-20POLE4R

Application
Premium square steel pole offer the ultimate in strength and reliability for outdoor lighting.

General Description
Non-tapered steel poles are supplied with welded base with cover, four galvanized anchor bolts, masonite mounting template, and a pole cap (except tension mount). Each bolt is provided with two washer and two nuts. Steel pole base has slotted holes. Per National Electrical Code requirements, pole is standard with a 2" x 8" (51 x 152 mm) hand hole, located 18" (457 mm) above bottom of pole base. A #10-32 stainless steel weld stud with grounding lug is located inside pole, opposite hand hole; a hand hole cover is supplied but shipped separately.

Warranty
Harris standard terms and conditions apply.

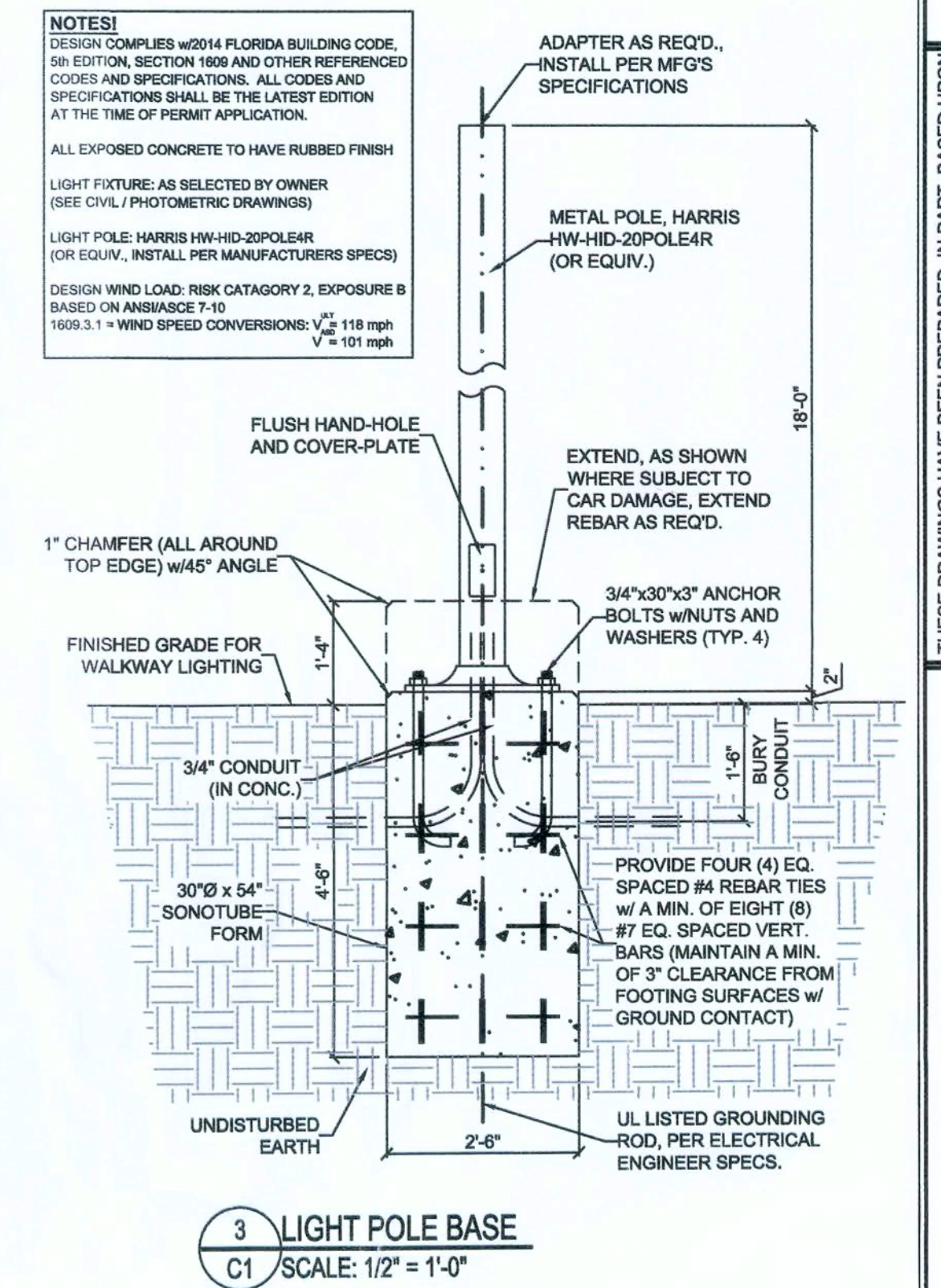
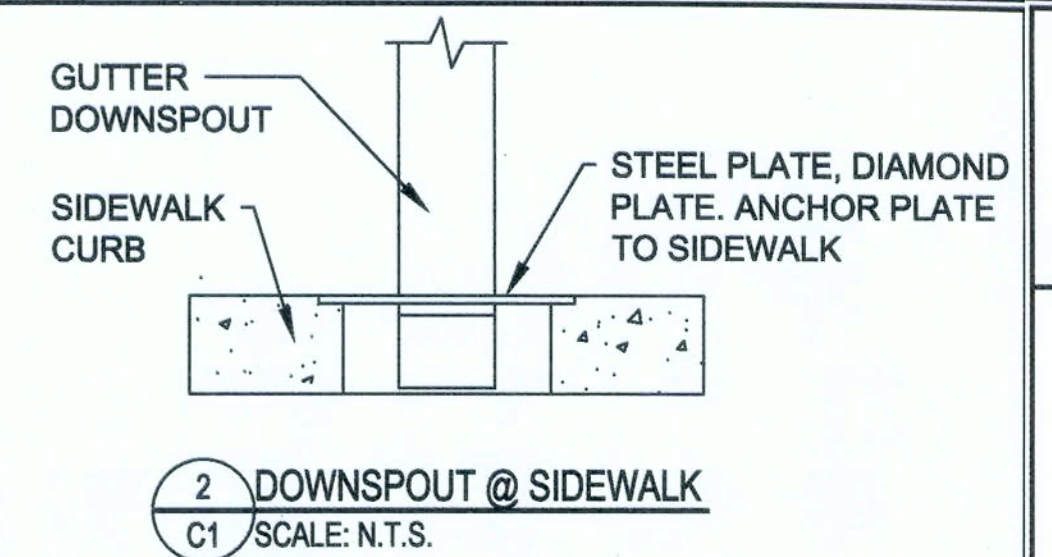
Features

- Crown-Weld pole base
- Bronze Finish
- Exact Pole to Fixture finish color match
- Steel pole base cover and pole cap with matching finish
- 2"x8" hand hole near base
- Masonite bolt template

Ordering Information
Use the Flow chart below to configure the part number. Actual part number may vary due to configuration.

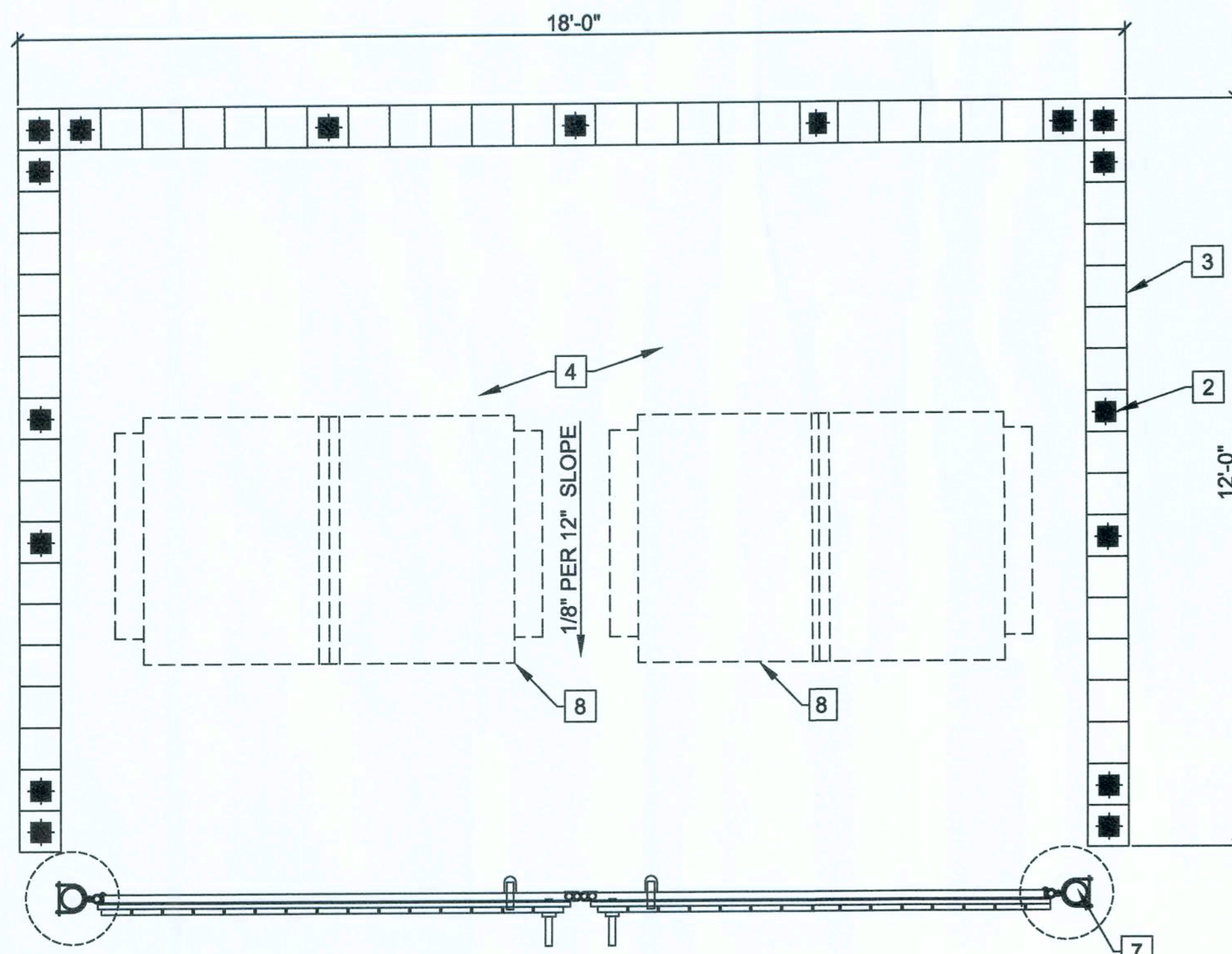
Catalog No.	Length (ft) x Width (inches) x Wall (inches)	Bolt Circle Range (inches)	Bolt Pattern Range (inches)	Bolt Size (inches)	Weight (lbs)
HW-HID-20POLE4R	20 x 4 x 0.125	109.5-111	6.6-7.7	3/4"	105

4035 REYNOLDS BLVD • GREEN COVE SPRINGS, FL 32043 • (800) 531-2216 • HARRISLIGHTING.COM

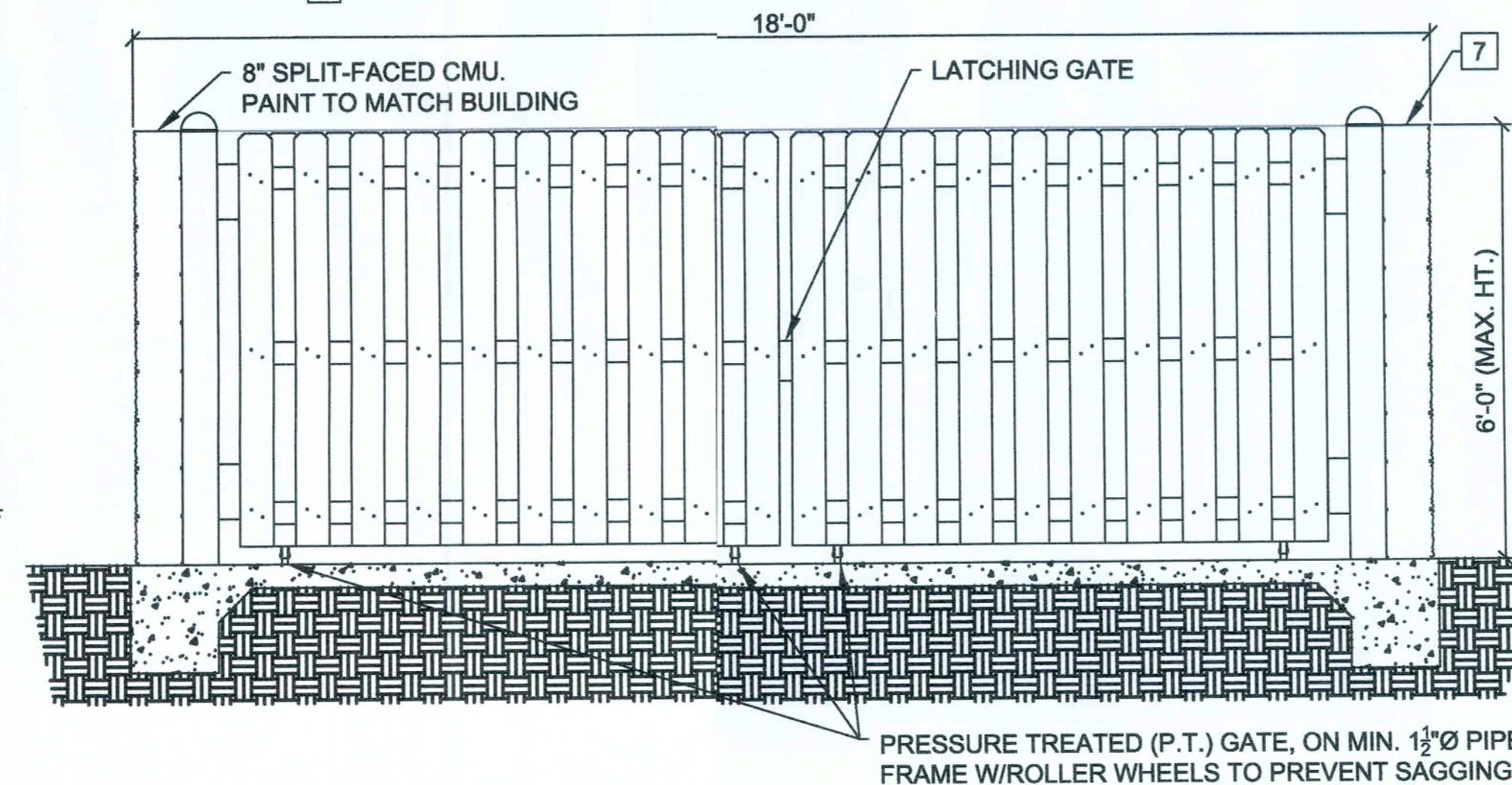


DUMPSTER KEY NOTES

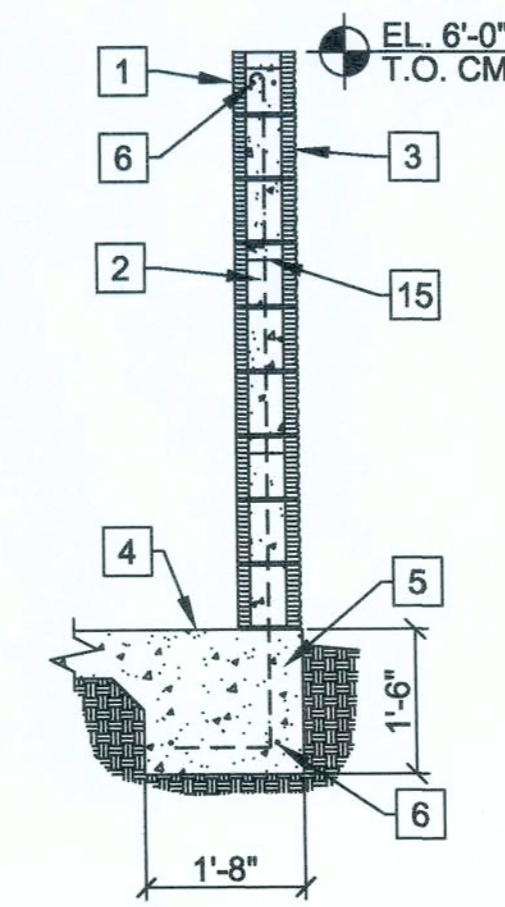
- | | | |
|---|--|---|
| 1 TOP OF WALL, BOND BEAM SOLID POURED CONT. W/(2) #5 REBAR | CONCRETE FOOTING W/REINFORCED CONCRETE AS SHOWN | DUMPSTER ENCL. CONCRETE SPECS:
CONSTRUCT FOOTING W/REINFORCED CONCRETE AS SHOWN. |
| 2 SOLID POURED CELL EVERY 48" W/(1) #5 CONT. DRILLED & EPOXIED FROM TOP TO BOTTOM W/12" HOOK EACH END AND MIN. 30" SPLICE | CONCRETE SHALL BE STANDARD MIX F _c =3000 PSI FOR ALL FOOTINGS AND SLABS OR SHALL BE STANDARD PUMP MIX F _c =3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE PER ACI STANDARDS. | CONCRETE SHALL BE STANDARD MIX F _c = 3000 PSI FOR ALL FOOTINGS AND SLABS OR SHALL BE STANDARD PUMP MIX F _c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS. |
| 3 8" SPLI-FACED CMU W/(1) #5 AT 48" O.C. TYP. (PAINT BLOCK TO MATCH BUILDING) | CONCRETE SHALL BE PER MANUFACTURER'S PRODUCT GUIDE ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH. | CONCRETE BLOCK PER ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH. SEE SPECS ON A-12. |
| 4 FINISHED SLAB | MORTAR SHALL BE TYPE 'M' OR 'N' FOR ALL MASONRY UNITS. | USE TYPE 'M' OR 'N' MORTAR TO LAY UP CONCRETE MASONRY BLOCK. |
| 5 20"x18" CONCRETE FOOTING | | |
| 6 (2) #5 CONT. W/12" STANDARD HOOK | | |
| 7 6" STEEL BOLLARD, POUR SOLID. PAINT TO MATCH BUILDING/CMU. SEE CIVIL PLANS FOR EMBEDMENT. | | |
| 8 DUMPSTER (NIC) | | |



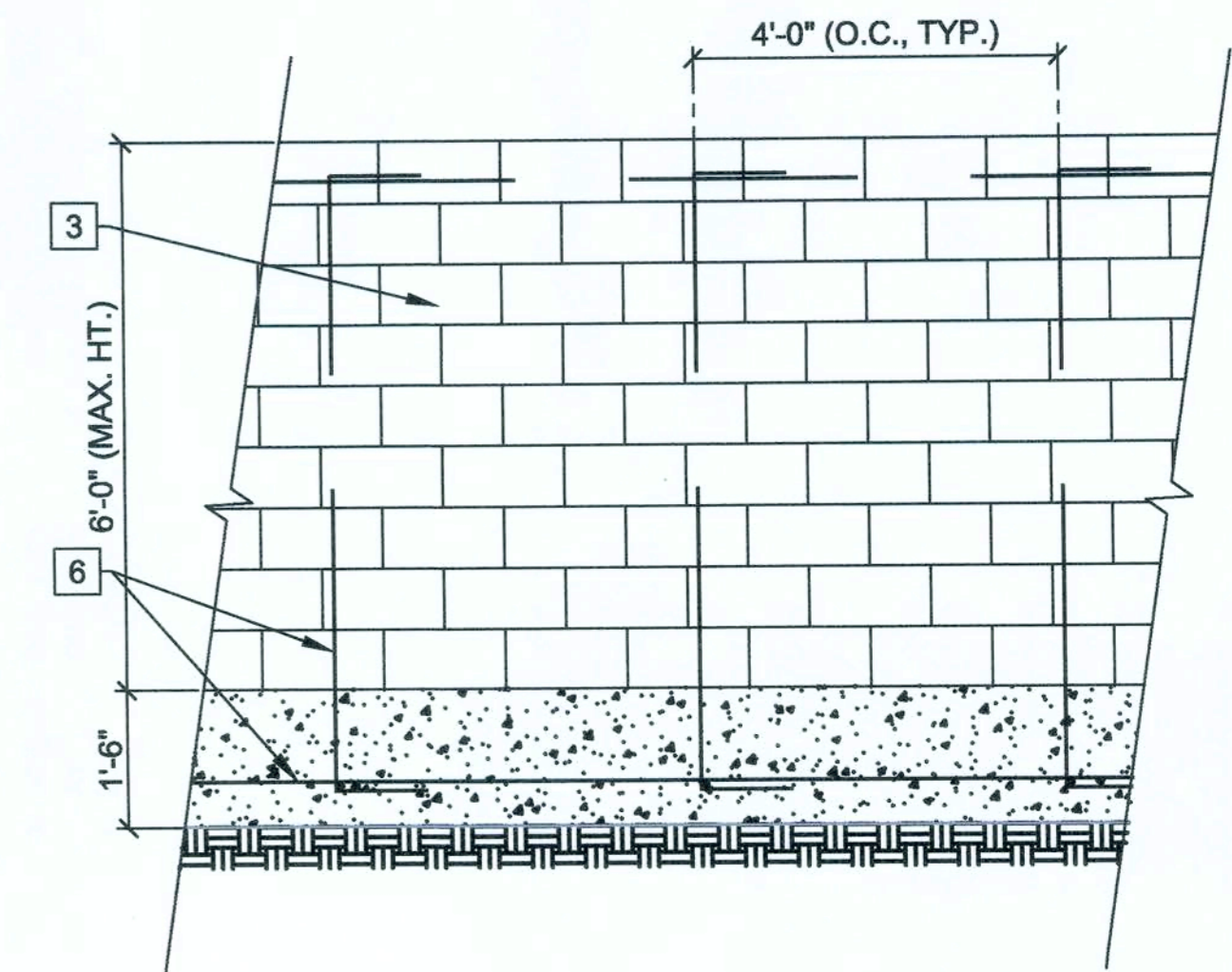
4A DUMPSTER ENCLOSURE PLAN
C1 SCALE: 1/2" = 1'-0"



4B DUMPSTER ENCLOSURE ELEVATION
C1 SCALE: 1/2" = 1'-0"



4C TYP. SECTION
C1 SCALE: 1/2" = 1'-0"



4D REBAR ELEVATION
C1 SCALE: 1/2" = 1'-0"

JAMES BLYTHE
REGISTERED ARCHITECT
RA LEED AP BD+C
3324 W. UNIVERSITY AVE
PMB# 151
GAINESVILLE, FL 32607
AR94432

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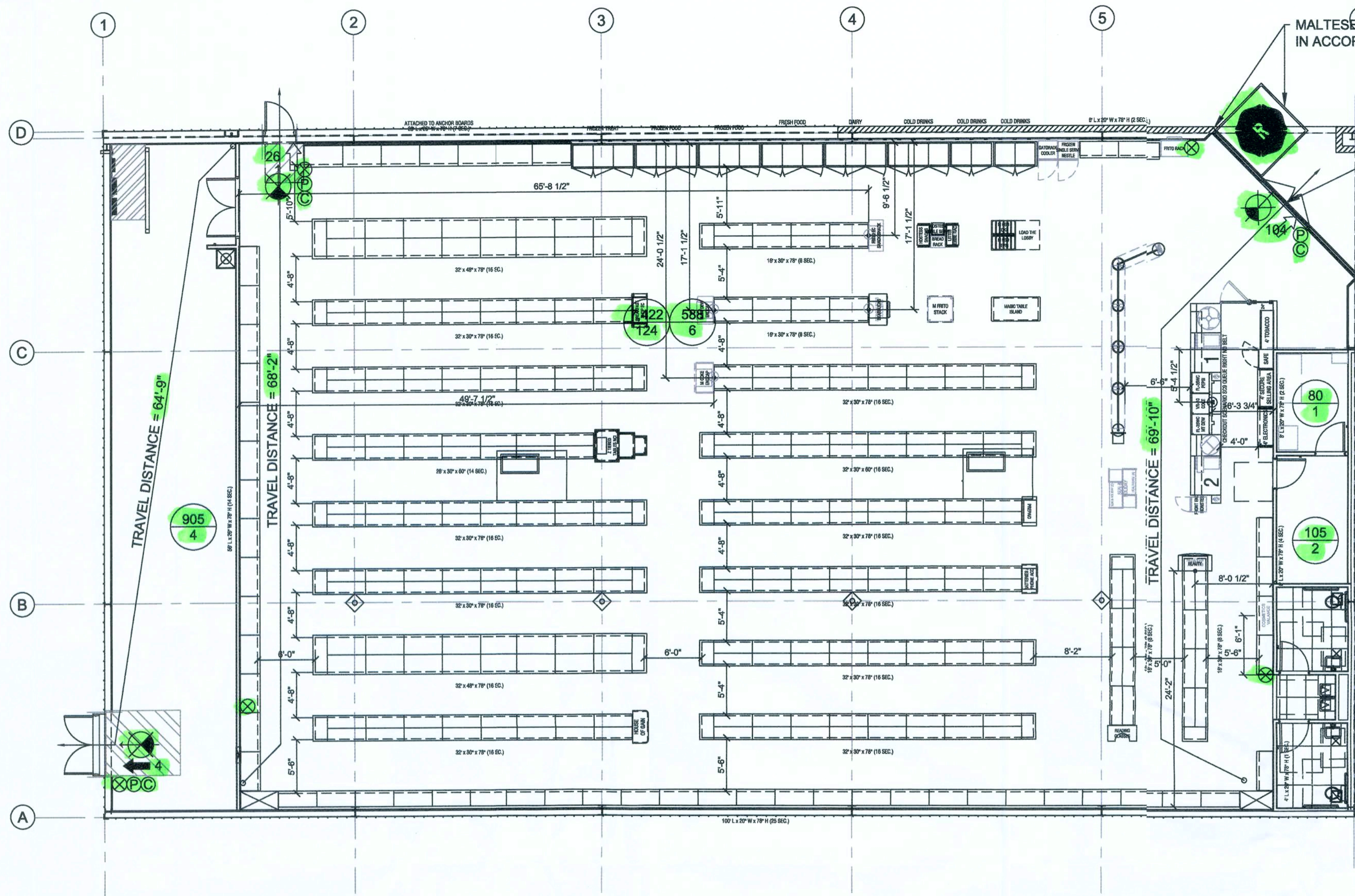
CONCEPT COMPANIES
3017 NW 97TH AVE SUITE 100 / GAINESVILLE, FL 32606
PH: 877-309-1029 / FAX: 800-208-7809
WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL
1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20885
2018 PROTOTYPE - PLAN '9100F' - 9,100 SQ. FT.

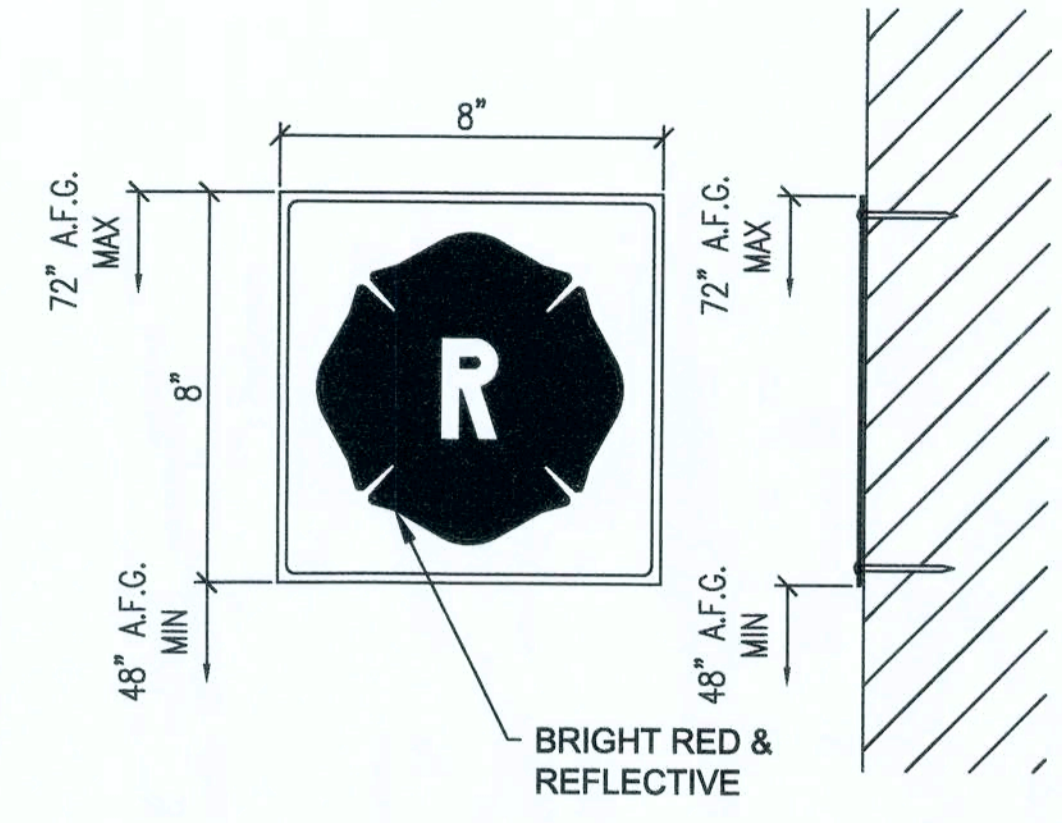
DRAWING DATE / DRAWN BY:
4/5/19 - JEM
REVISION DATE / REVISED BY:
PROJECT NUMBER:
4000.180

SITE PLAN (REFERENCE) & DUMPSTER ENCLOSURE SHEET NO.

C1



911 ADDRESS NUMBERS TO BE A MIN. OF 6" TALL BY 2" WIDE, AND COMPLY w/ALL LOCAL ORDINANCES.



2 TRUSS RULE SIGN
C1 SCALE: 3" = 1'-0"

1 LIFE SAFETY PLAN
L1 SCALE: 1/8" = 1'-0"
NORTH

OCCUPANCY LOAD - MERCANTILE CLASS B

AREA	TOTAL SF	ALLOWABLE	TOTAL OCCUPANCY
SHOWROOM:	7,422	1/60	124
OFFICE:	80	1/100	1
BREAKROOM:	105	1/100	2
RECEIVING:	905	1/300	4
BUILDING:	588	1/100	6
BUILDING TOTAL:	9,100		137

- LEGEND**
- EXIT LIGHT-ARROW REPRESENTS DIRECTION OF EGRESS
 - HEAT DETECTOR-COORDINATE WITH ELECTRICAL DRAWINGS
 - WALL HUNG "ABC" FIRE EXTINGUISHER (10lbs MIN.)
 - DOOR CLOSER FOR EXITTING OR RATING REASONS
 - PANIC DEVICE
 - PRIMARY EGRESS WITH EXIT CAPACITY
 - SECONDARY EGRESS WITH EXIT CAPACITY
 - ROOM SQUARE FOOTAGE
 - ROOM OCCUPANCY LOAD
 - 1-HOUR RATED FIREWALL

- NOTES:**
- EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHALL AND SHALL BE WIRE PER NEC 700-12F. ADDITIONAL EXIT SIGNS MAY BE ADDED AFTER FIXTURE PLACEMENT AND FIRE MARSHALL INSPECTION.
 - SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 90" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM EACH STORE PANEL WITH BATTERY BACK-UP.

JAMES BLYTHE
REGISTERED ARCHITECT
RA LEED AP BD+C
3324 W. UNIVERSITY AVE
PMB#151
GAINESVILLE, FL 32607
AR94452

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CONCEPT COMPANIES

3817 NW 87TH BOULEVARD / GAINESVILLE, FL 32606
PH: 877-308-1029 / FAX: 800-218-7809
WWW.CONCEPTCOMPANIES.NET

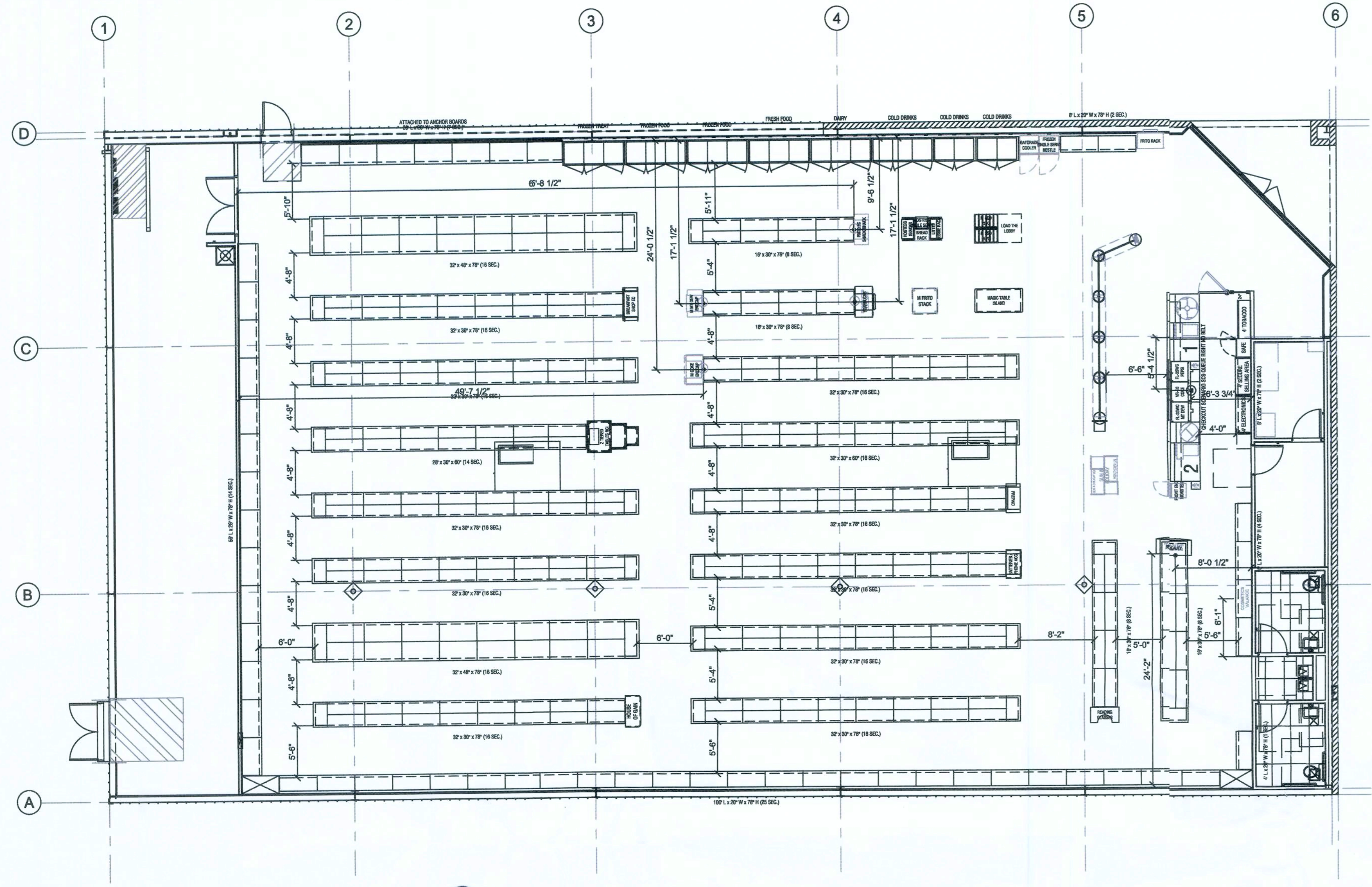
DOLLAR GENERAL

1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055

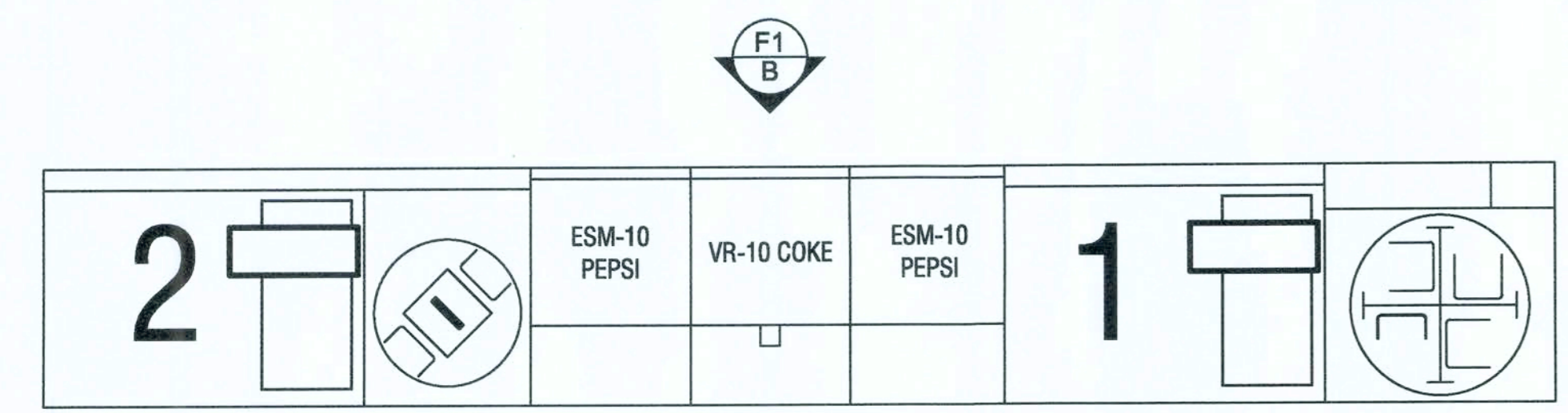
STORE # 22685
2018 PROTOTYPE PLAN 9100F - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY: 4/5/19 - JEM
REVISION DATE / REVISED BY:
PROJECT NUMBER: 4000.180
DRAWING TITLE: LIFE SAFETY PLAN
SHEET NO.

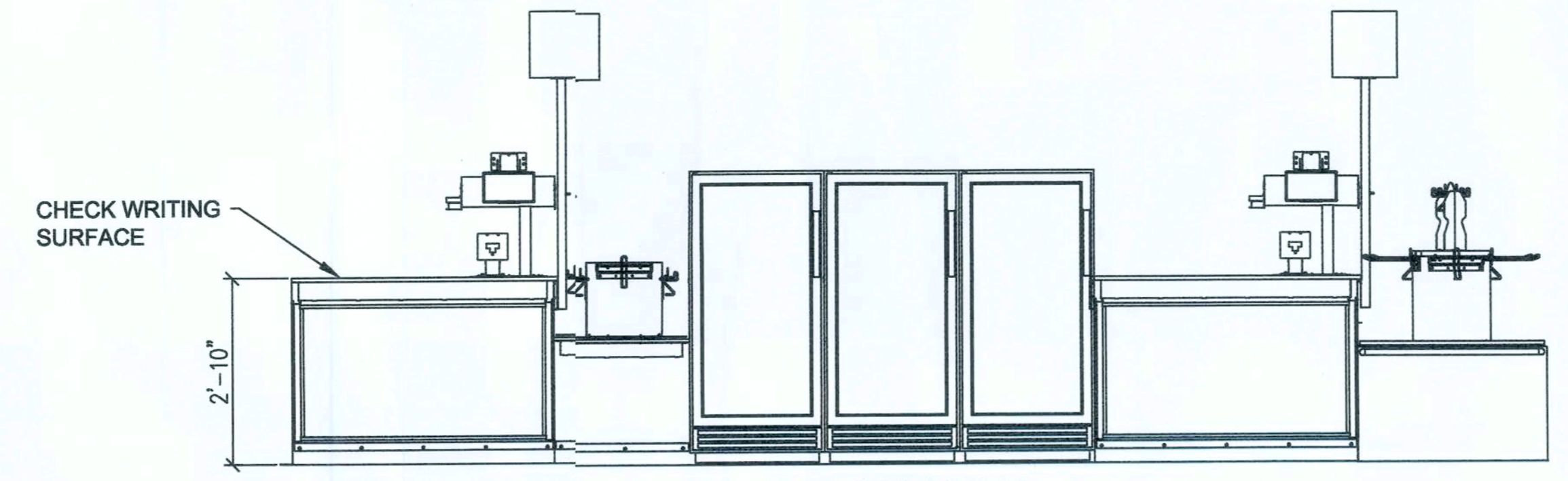
LS1



1 FIXTURE PLAN
F1 SCALE: 1/8" = 1'-0" NORTH



A - SERVICE COUNTER PLAN

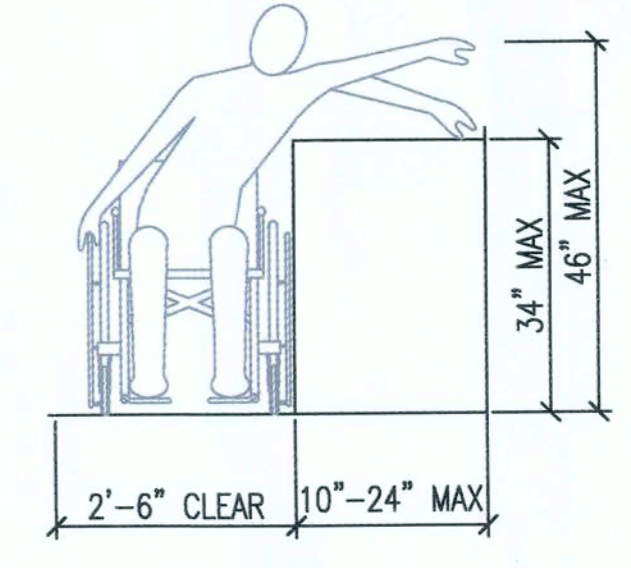


B - ELEVATION

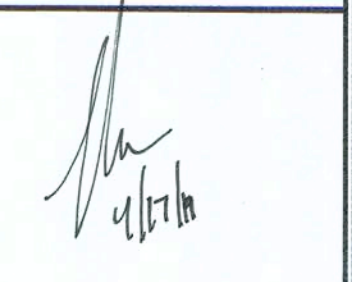
NOTE:
FRONT CHECKOUT COUNTER TO BE PROVIDED BY TENANT AND INSTALLED AT TENANT'S DIRECTION. COUNTERS SHALL INCLUDE A PORTION OF AT LEAST 36" IN LENGTH WHICH IS NO MORE THEN 34" A.F.F. COUNTERS SHALL BE ON AN ACCESSIBLE ROUTE

2 SERVICE COUNTER
F1 SCALE: 1/2" = 1'-0"

NOTE:
COUNTER TO COMPLY WITH FBC A904



ACCESS AT CHECKOUT COUNTER



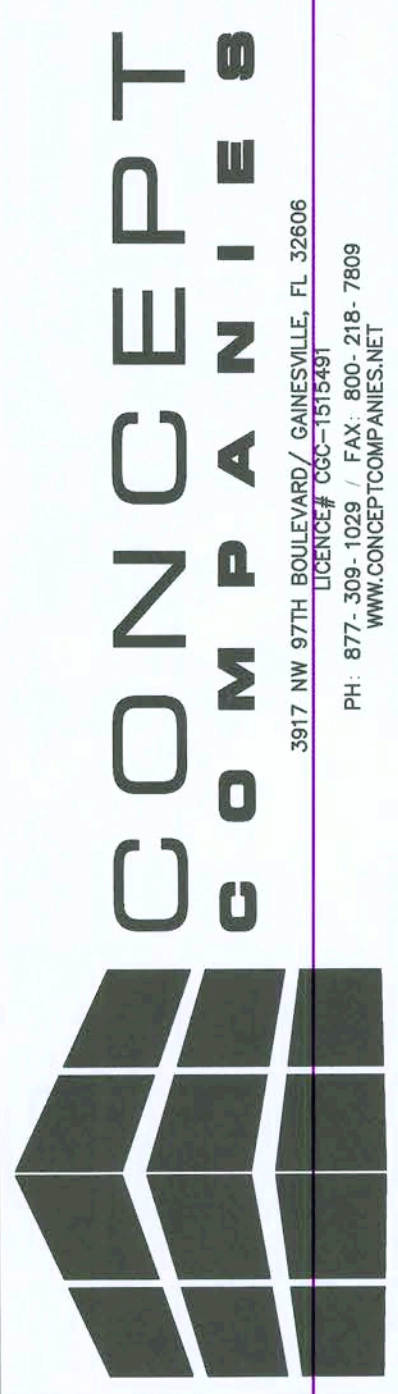
THESE DRAWINGS HAVE BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE DRAWINGS FOR ANY ERRORS OR OMISSIONS THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION, THE ARCHITECT HAS ADVISED TO OBTAIN VERIFICATION OF THE DOCUMENT ARE ADVISED TO OBTAIN VERIFICATION OF ITS ACCURACY. ALL WORK SHALL COMPLY WITH ANY AND ALL APPLICABLE CODES AND ORDINANCES. SUPERINTENDENTS ARE RESPONSIBLE FOR THE DESIGN AND BUILDING TECHNIQUES HELD WITHIN THESE DRAWINGS. INFORMATION AND BUILDING TECHNIQUES HELD WITHIN THESE DRAWINGS ARE THE EXCLUSIVE PROPERTY OF THE PARTIES NOTED ON THIS TITLE-BLOCK.

CONCEPT COMPANIES
3917 NW 97TH AVE SUITE 100 / GAINESVILLE, FL 32606
LICENSE # CC-1515490
PH: 877-309-1029 / FAX: 800-218-7809
WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL
1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20885
2018 PROTOTYPE - PLAN 9'100F - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:	4/5/19 - JEM
REVISION DATE / REVISED BY:	
PROJECT NUMBER:	4000.180
DRAWING TITLE:	FIXTURE PLAN
SHEET NO.	

THESE DRAWINGS HAVE BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ARCHITECT ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION PROVIDED TO THE ARCHITECT. THOSE RELYING ON THIS DRAWING SHALL COMPLY WITH ANY AND ALL APPLICABLE CODES AND ORDINANCES. SUPERINTENDENTS ARE TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ALL DIMENSIONS ARE THE EXCLUSIVE PROPERTY OF THE PARTIES NOTED ON THIS TITLE BLOCK.

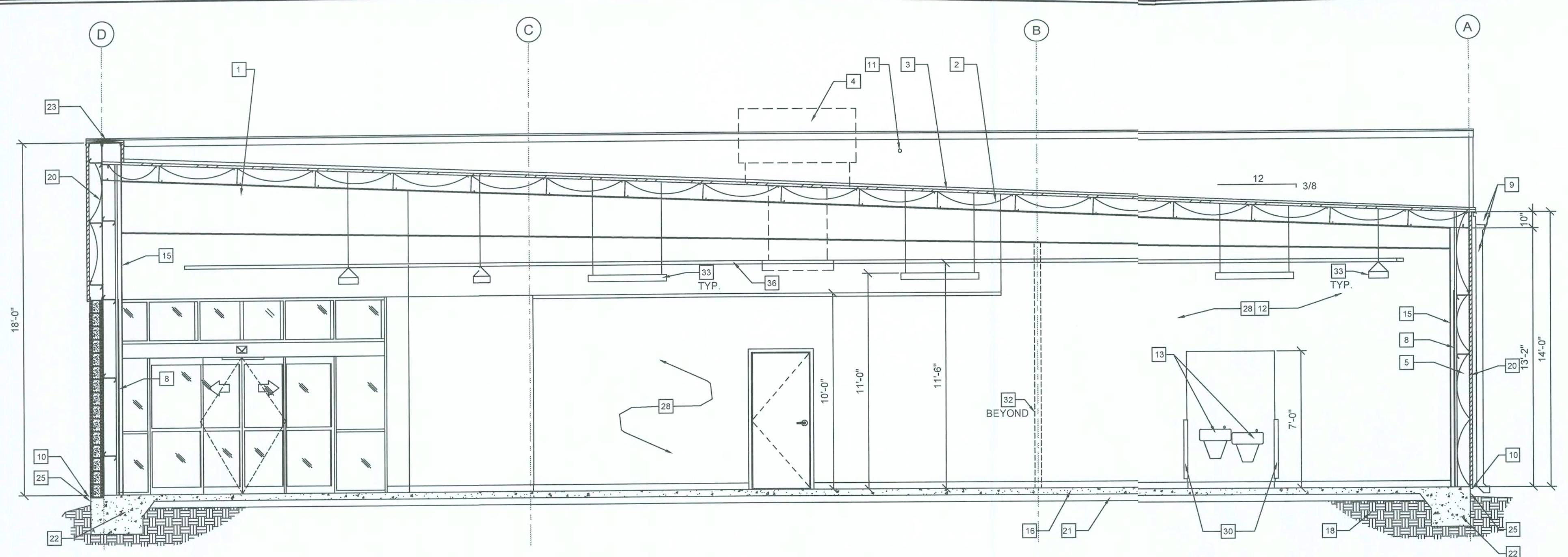


DOLLAR GENERAL
 1771 NW LAKE JEFFREY RD
 LAKE CITY, FL 32055
 STORE # 20685
 2018 PROTOTYPE - PLAN 9'100" - 9,100 SQ. FT.

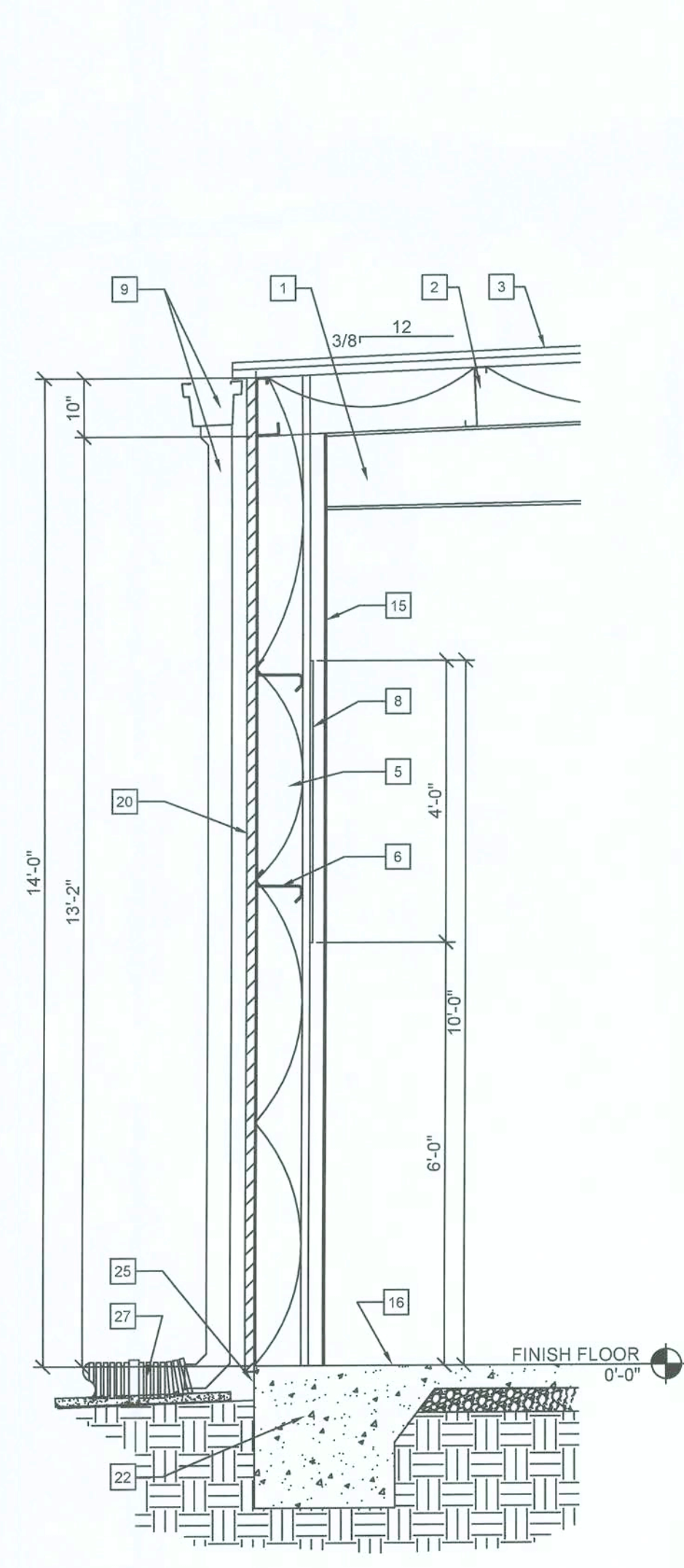
DRAWING DATE: / DRAWN BY:
 4/5/19 - JEM
 REVISION DATE: / REVISED BY:
 PROJECT NUMBER:
 4000.180
 DRAWING TITLE:
 SECTIONS & DETAILS
 SHEET NO.

A3

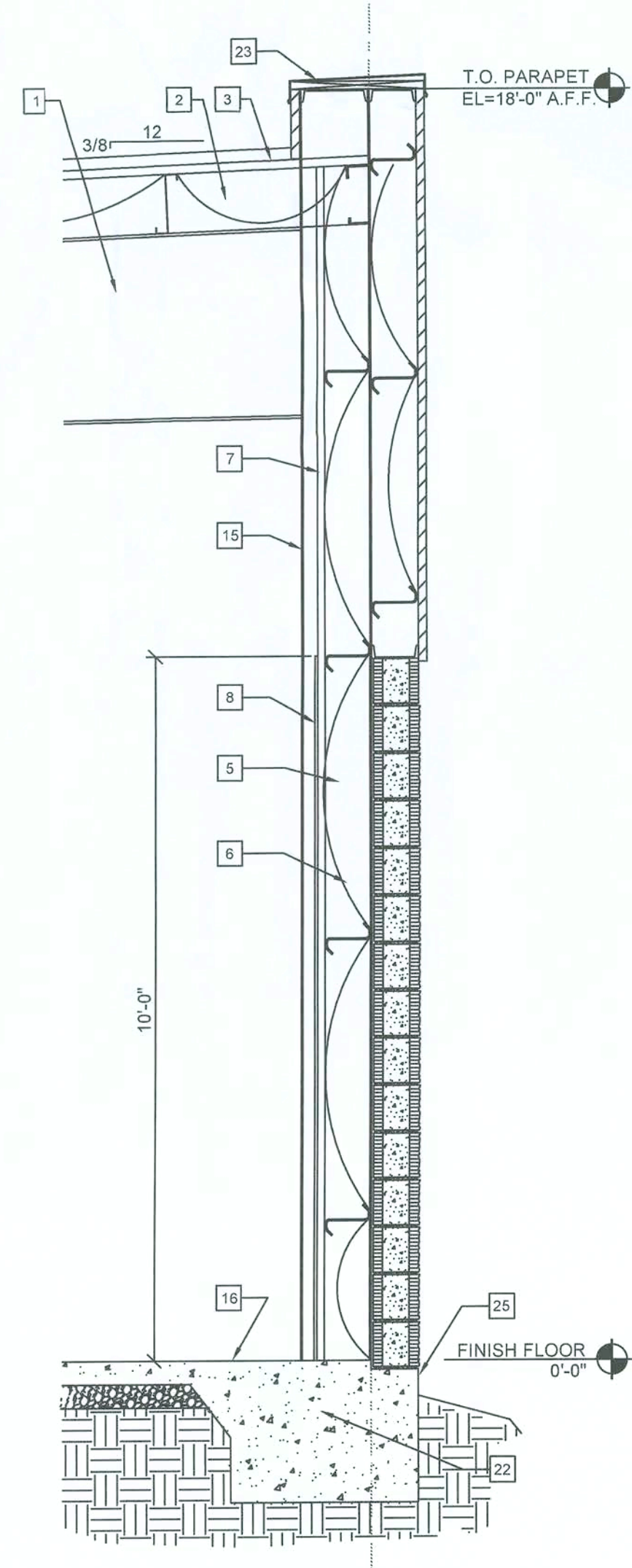
- SECTION KEYED NOTES**
- PRE-ENGINEERED METAL BUILDING SYSTEM BY BUILDING MANUFACTURER.
 - MIN. R-19 BATT INSULATION WITH R-5 THERMAL BLOCKS AT EACH PURLIN. (BY PEMB) - INSULATION SYSTEM TO LEAVE BOTTOM OF PURLINS EXPOSED FOR ATTACHMENTS - "SAG AND BAG" PREFERRED. "LONG TAB/BANDED FILLED CAVITY" ACCEPTABLE.
 - STANDING SEAM METAL ROOF, GALVALUME FINISH (BY PEMB).
 - ROOF MOUNTED HVAC UNIT, SEE MECHANICAL DRAWINGS.
 - MINIMUM R-13 VINYL FACED BATT INSULATION (BY PEMB).
 - METAL BUILDING GIRT (BY PEMB).
 - VERTICAL METAL LINER PANELS, 28 GA.
 - 1/2" MINIMUM GYPSUM BOARD OVER LINER PANELS. METAL LINER PANELS TO DECK ABOVE. T.O. GYPSUM BOARD 10'-0" AFF. PAINTED. REFER TO INTERIOR SALES FLOOR ELEVATIONS.
 - PRE-FINISHED GUTTER & DOWNSPOUT.
 - PROVIDE METAL CLOSURE, SEAL & CAULK TO RODENT PROOF BUILDING.
 - LOCATION OF 1 1/2" CONDUIT WITH PULLSTRING (ABOVE OFFICE) FOR SATELLITE LINE. PROVIDE WEATHERTIGHT SEAL AT HORIZONTAL PENETRATION. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF CONDUIT.
 - 1/2" MINIMUM GYPSUM BOARD ON 3 5/8" MTL STUDS. HEIGHT AS NOTED.
 - ADA COMPLIANT DRINKING FOUNTAIN, REFER TO PLUMBING.
 - NOT USED.
 - METAL BUILDING COLUMNS SHALL BE STRAIGHT.
 - REINFORCED CONCRETE SLAB ON VINYL VAPOR BARRIER.
 - ALUMINUM BI-PART DOOR AND STOREFRONT GLAZING SYSTEM, COLOR BRONZE.
 - UNDISTURBED EARTH AND COMPACTED SUB GRADE.
 - SOFFIT BEYOND (BY PEMB).
 - PRE-FINISHED METAL WALL PANELS (BY PEMB), PROVIDE TAMPER-RESISTANT FASTENERS 8'-0" AFF AND BELOW.
 - GRANULAR FILL.
 - REINFORCED CONCRETE FOOTING. (REFER TO NOTES ON S2)
 - PREFINISHED METAL COPING.
 - STOREFRONT SIGN (BY DOLLAR GENERAL). REFER TO ELEVATIONS & STRUCTURAL NOTES FOR REQUIRED BLOCKING.
 - FINISH GRADE (NO SIDEWALKS) AT EXTERIOR WALLS SHALL BE A MINIMUM OF 6" BELOW FINISHED FLOOR.
 - LIGHTING, REFER TO ELECTRICAL DRAWINGS.
 - WHERE DOWNSPOUTS DISCHARGE ONTO GRADE (NO SIDEWALKS), MINIMUM 5'-0" LONG, 4" PERFORATED LANDSCAPE PIPE STRAPPED TO A 12"x24" CONCRETE SPLASH BLOCK SHALL BE INSTALLED TO PREVENT EROSION AROUND STRUCTURE.
 - INTERIOR WALL - PAINTED - SEE ROOM SCHEDULE FOR MORE INFORMATION.
 - 8" SPLIT-FACED CMU PAINTED SW 7037 "BALANCED BEIGE". ALIGN FACE OF BLOCK WITH STEEL GIRT. PROVIDE PROPER ANCHORAGE TO STRUCTURE.
 - MC CUE TRIM KIT.
 - PRE-FINISHED METAL WALL PANELS, REVERSE-RIB PROFILE.
 - STEEL PIPE COLUMN (BY PEMB) WITH RECESSED BASEPLATE, WRAP WITH CARPET UP TO 48" A.F.F.
 - 1'x4' LIGHT FIXTURES HUNG WITH AIRCRAFT CABLE, ADD UNISTRUT TO PURLINS AS REQUIRED FOR HANGING.
 - 20"x30" MINIMUM ACCESS PANEL FOR SIGNAGE JUNCTION BOX, COORDINATE LOCATION WITH ELECTRICAL DRAWINGS AND SIGNAGE VENDOR.
 - BLOCKING FOR BUILDING SIGNAGE. COORDINATE WITH SIGN VENDOR.
 - CABLE TRAY - SEE SHEET A09



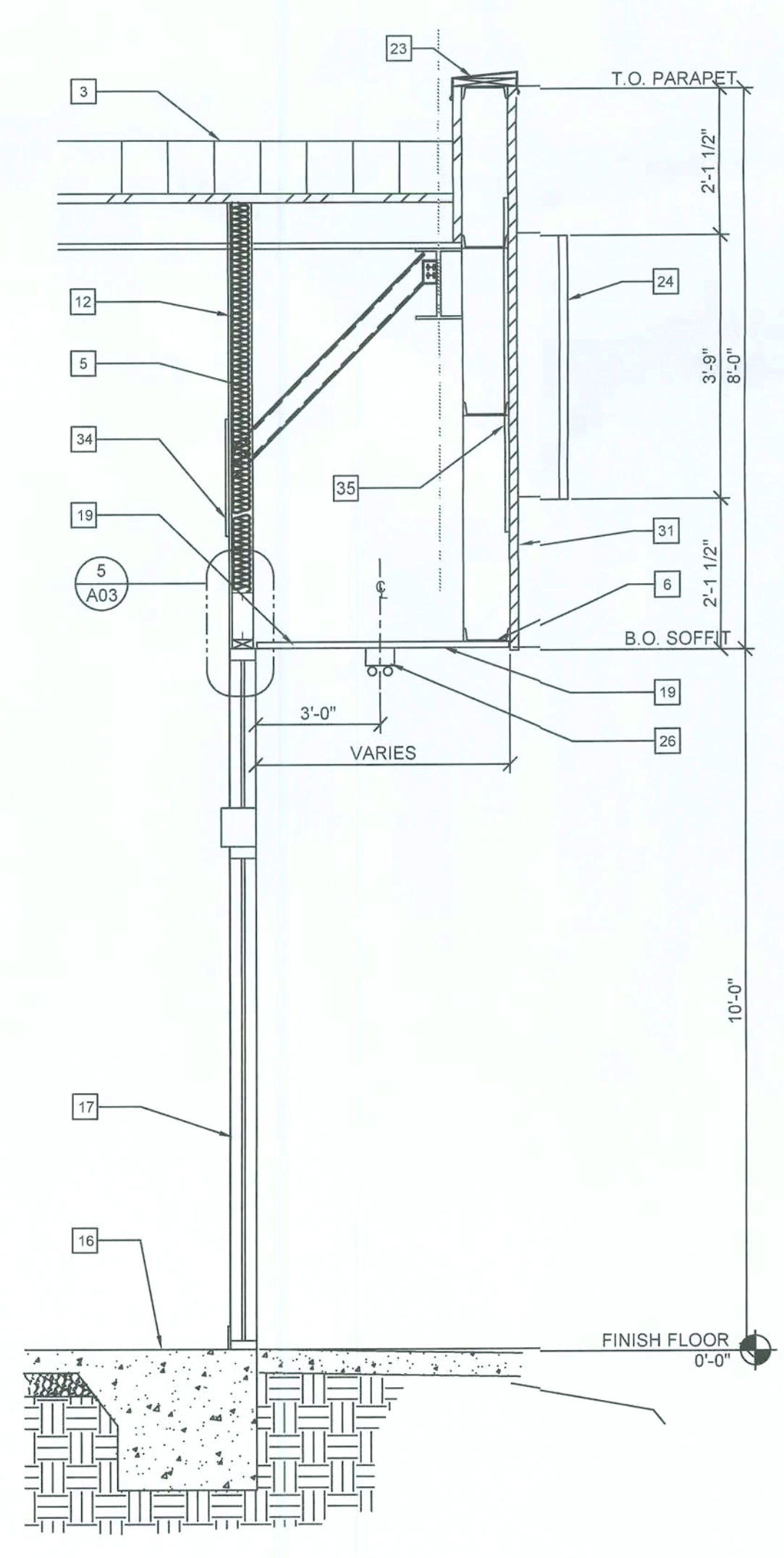
1 BUILDING SECTION
 A3 SCALE: 1/4" = 1'-0"



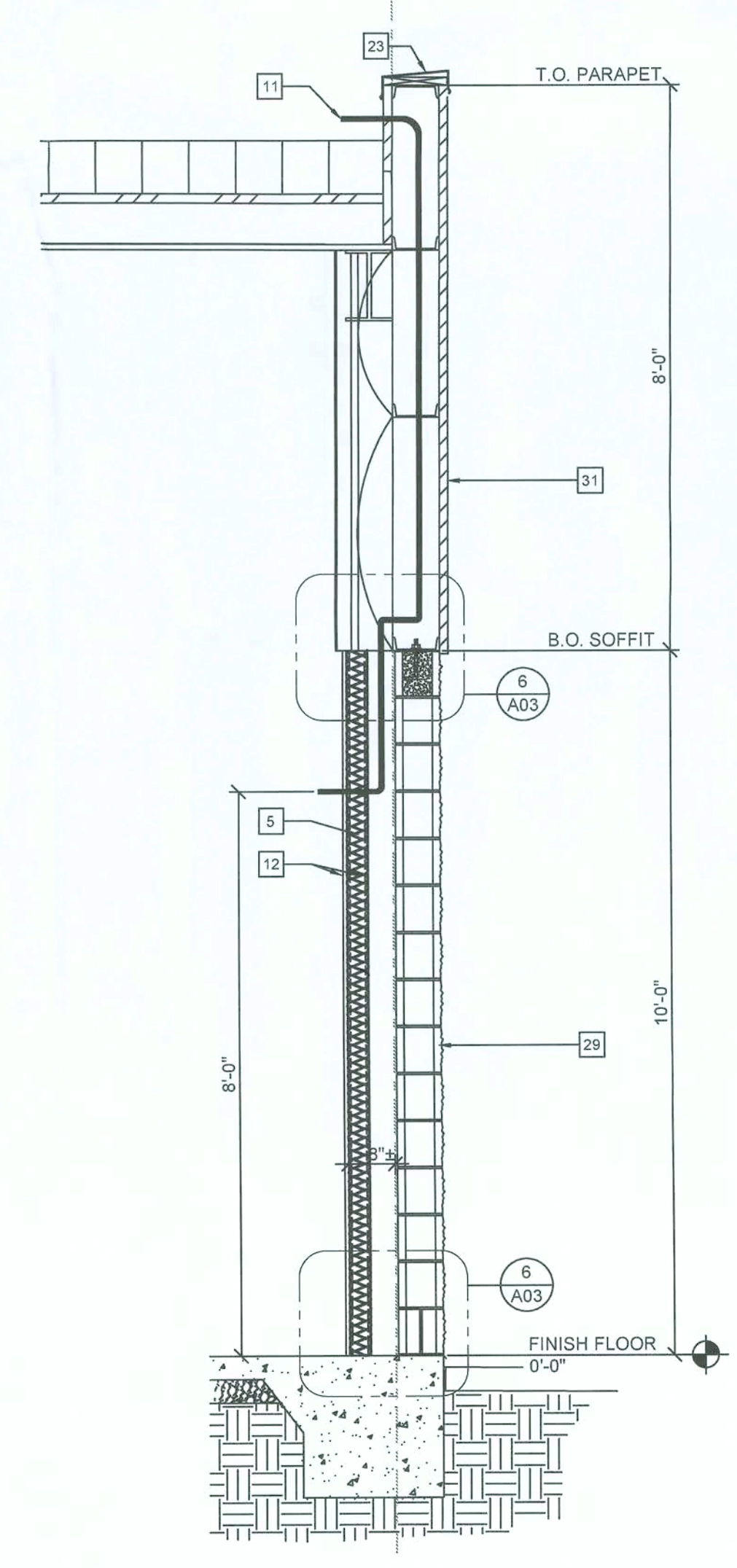
2A WALL SECTION
 A3 SCALE: 1/2" = 1'-0"



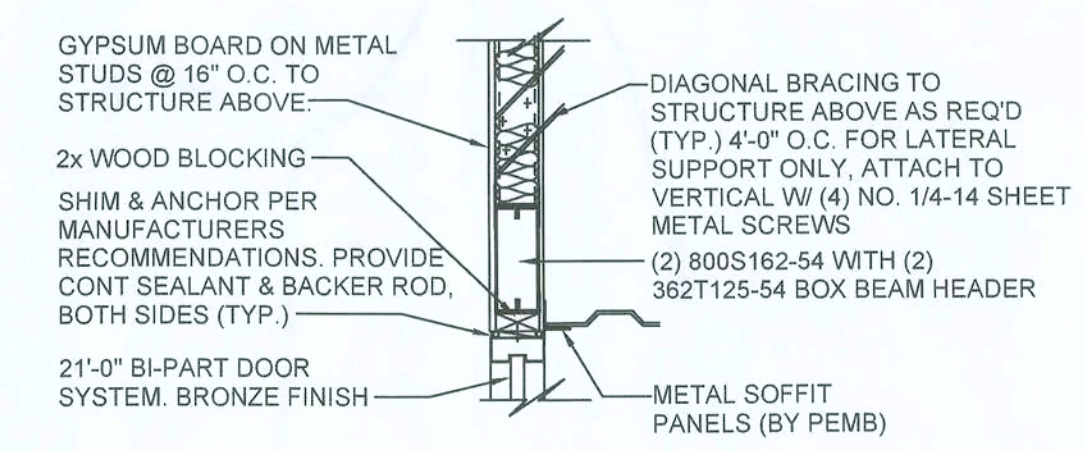
2B WALL SECTION
 A3 SCALE: 1/2" = 1'-0"



3 WALL SECTION
 A3 SCALE: 1/2" = 1'-0"



4 WALL SECTION
 A3 SCALE: 1/2" = 1'-0"

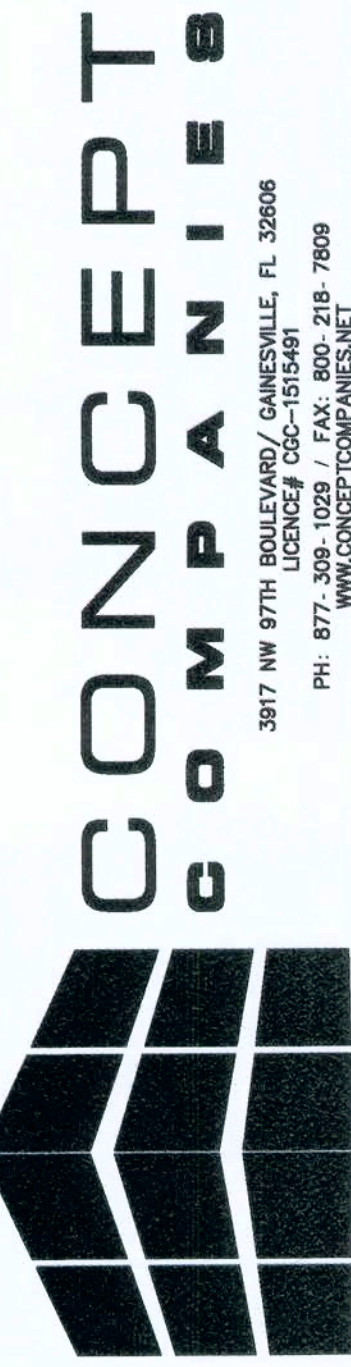


6 DETAIL
 A3 SCALE: 3/4" = 1'-0"

- NOTES:**
- SEE STRUCTURAL DRAWINGS SPECS AND DETAILS. CMU WALL TO BE REINFORCED W/#5 VERT. @ 48" O.C. TYP. DUROWALL @ 16" O.C. BOND BEAMS TO HAVE (2) #5s
 - FLASHING ONLY BETWEEN GROUTED CELLS. SEE STRUCTURAL DRAWINGS.
 - PAN FLASHING IS AN ACCEPTABLE ALTERNATE
- 1/2" BOLT @ 48" O.C. (MIN.) BY PEMB
 EL. 10'-0" AFF T.O. CMU
 PRE-FINISHED METAL WALL PANEL BY PEMB
 BACKER ROD & SEALANT
 TOP COURSE TO BE SMOOTH. GROUT CELL @ ANCHOR BOLT LOCATIONS. MESH @ BASE OF CMU TO CONFINE GROUT
 8" SPLIT-FACED CMU. SEE STRUCTURAL FOR REINFORCING.
 WEEP HOLES @ 32" O.C.
 EL. 00.00 T.O. SLAB
 RECESS SLAB FOR KNEEWALL BLOCK & MTL BLDG PANELS. SEE STRUCTURAL FOR SIZE.
 NEW SIDEWALK
 FOUNDATION AND SLAB, SEE SIGNED & SEALED STRUCTURAL DRAWINGS

6 DETAIL
 A3 SCALE: 3/4" = 1'-0"

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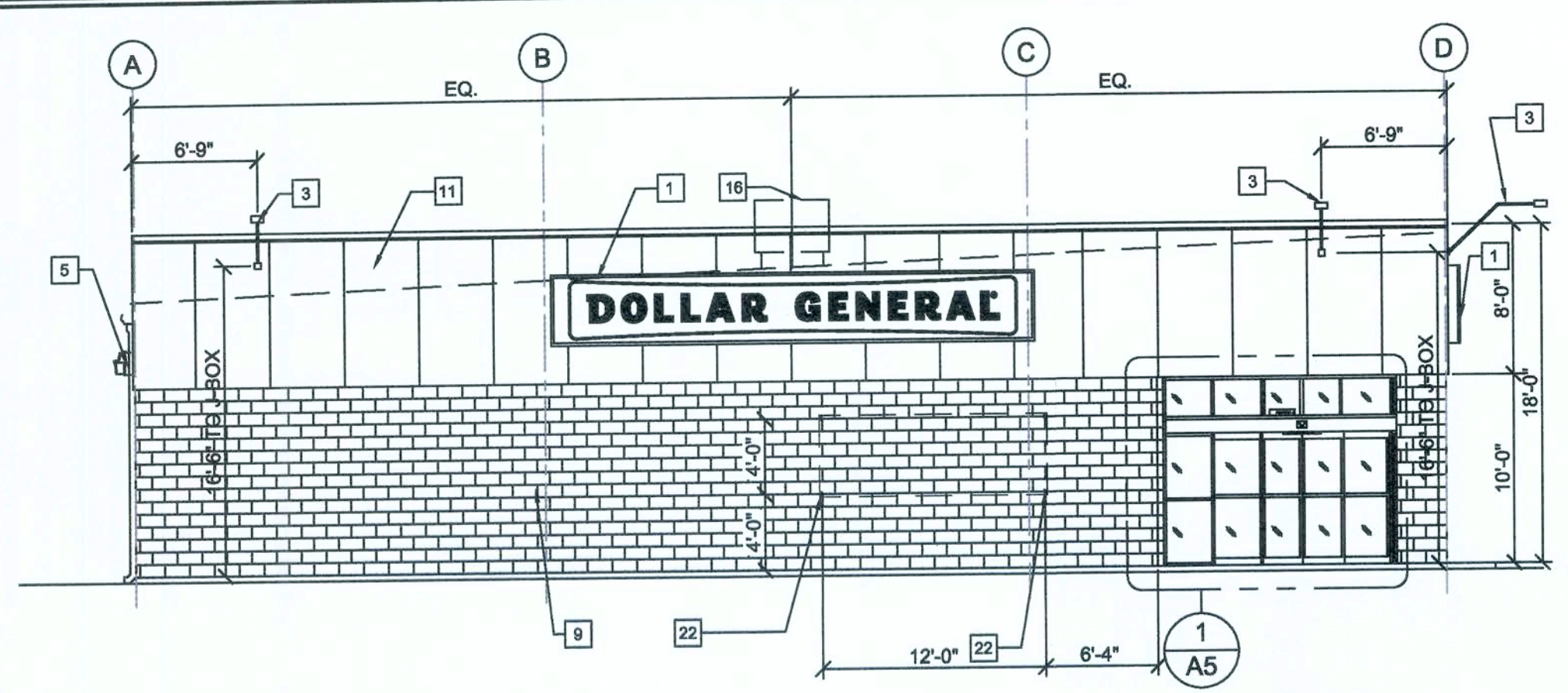
DOLLAR GENERAL
 1771 NW LAKE JEFFREY RD
 LAKE CITY, FL 32055
 STORE # 20685
 2018 PROTOTYPE - PLAN 9'100" - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
 4/5/19 - JEM
 REVISION DATE / REVISED BY:

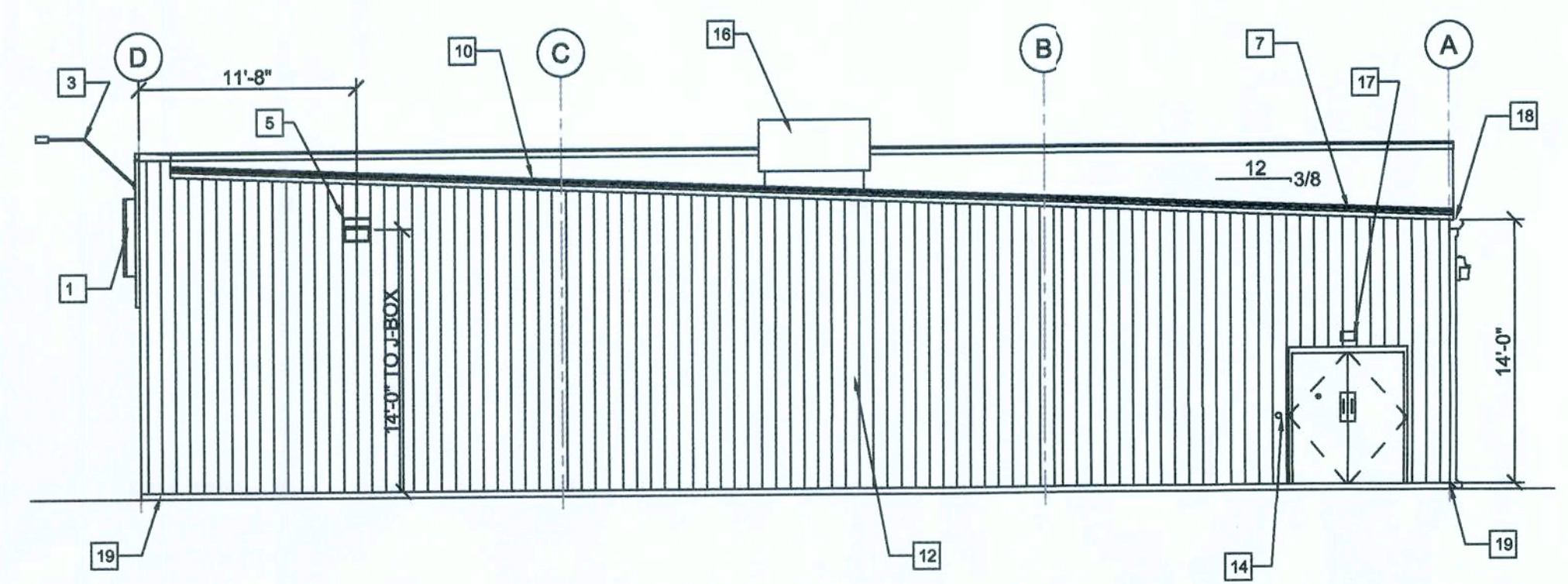
PROJECT NUMBER:
 4000.180

DRAWING TITLE:
 EXTERIOR ELEVATIONS &
 EXTERIOR FINISH SCHEDULE
 SHEET NO.

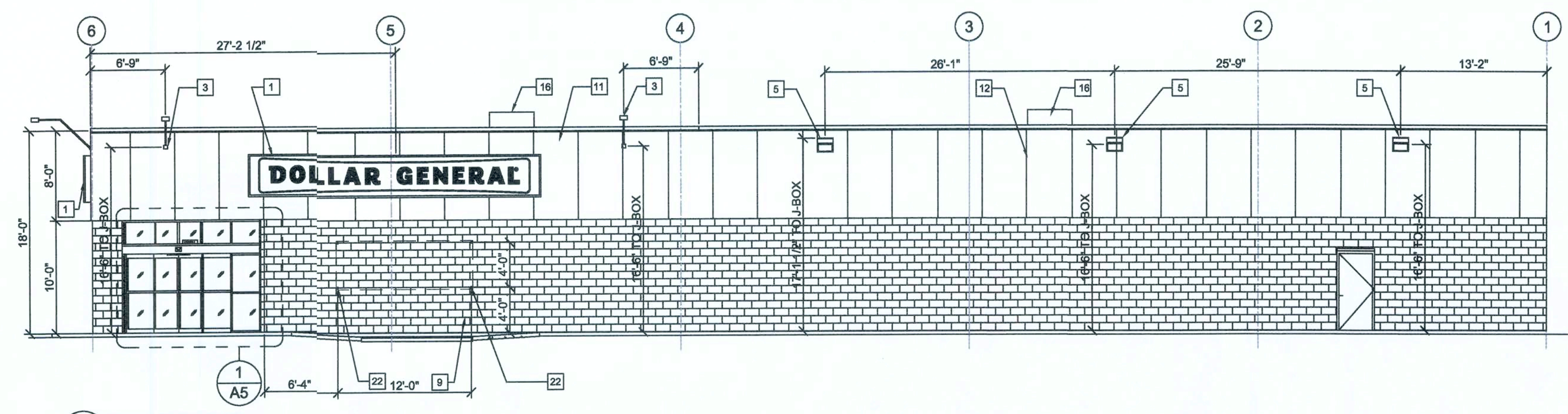
A2



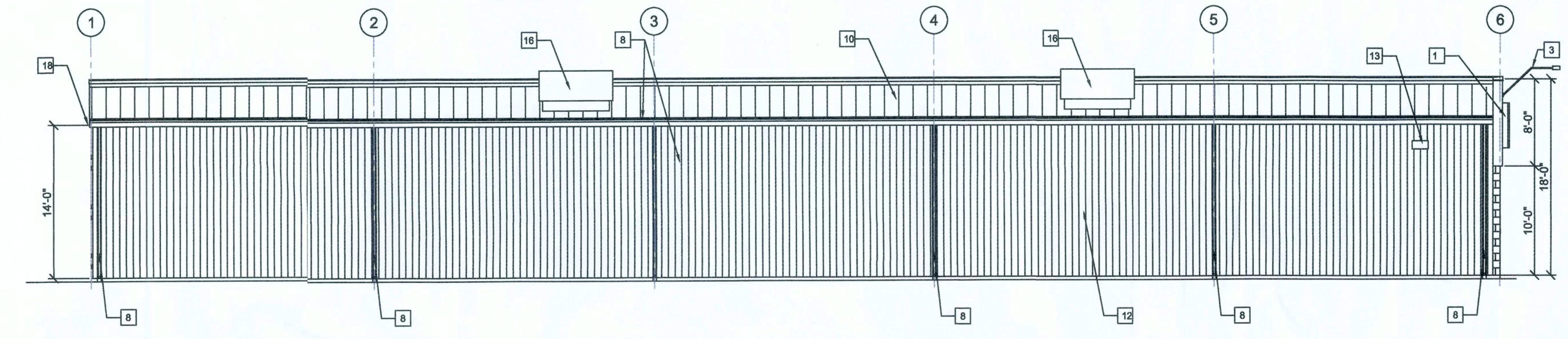
1 FRONT ELEVATION
 A2 SCALE: 1/8" = 1'-0"



2 REAR ELEVATION
 A2 SCALE: 1/8" = 1'-0"



3 RIGHT ELEVATION
 A2 SCALE: 1/8" = 1'-0"



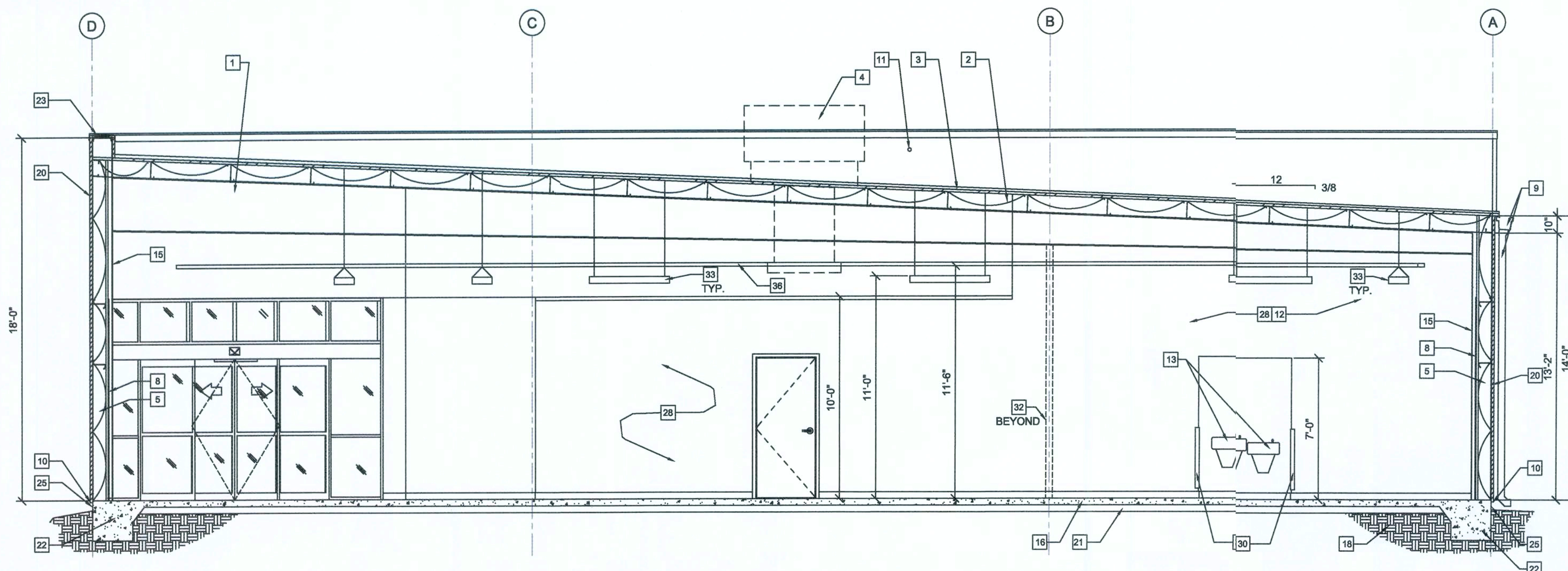
4 LEFT ELEVATION
 A2 SCALE: 1/8" = 1'-0"

ELEVATION KEYED NOTES

- 1 SIGN FURNISHED AND INSTALLED BY DOLLAR GENERAL CORP. WITH CIRCUIT AS NOTED ON ELECTRICAL PLAN. SIGN TO BE CENTERED ON FRONT OF BUILDING. CONTRACTOR IS TO PROVIDE ADEQUATE BLOCKING AS REQUIRED BY SIGN MANUFACTURER TO SUPPORT SIGN WEIGHT OF UP TO 1,400 LBS. EXTERIOR CANOPY SIGN SHALL BE SUPPORTED BY THE FACE OF THE CANOPY. COORDINATE THE PROPER SIGNAGE TO BE USED WITH DOLLAR GENERAL.
- 2 NOT USED.
- 3 FLOOD LIGHT. REFER TO ELEC. DRAWINGS FOR ADDITIONAL INFO.
- 4 NOT USED.
- 5 WALL PACK. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 6 NOT USED.
- 7 TRIM - SEE EXTERIOR FINISH SCHEDULE FOR COLOR.
- 8 GUTTER AND DOWNSPOUT - SEE EXTERIOR FINISH SCHEDULE FOR COLOR.
- 9 8" SPLIT FACE CONCRETE MASONRY UNIT.
- 10 STANDING SEAM METAL ROOF.
- 11 PRE-FINISHED METAL WALL PANELS FOR THE FASCIA AND PARAPET OVER THE ENTRANCE. REVERSE RIB PROFILE.
- 12 PRE-FINISHED METAL WALL PANELS FOR THE SIDE AND REAR OF THE BUILDING. PROVIDE TAMPER-RESISTANT FASTENERS FOR BOTTOM 8'-0".
- 13 VENT FOR BATHROOM EXHAUST. REFER TO M01 FOR ADDITIONAL INFORMATION.
- 14 DOOR BUZZER. REFER TO E01 FOR ADDITIONAL INFORMATION.
- 15 NOT USED.
- 16 HVAC UNITS MOUNTED ON ROOF. REFER TO MECHANICAL SHEET M1 FOR MORE INFORMATION.
- 17 OUTSIDE AIR TEMP. SENSOR MOUNTED OVER RECEIVING DOORS @ 8'-0" A.F.F.
- 18 MINIMUM EAVE HEIGHT IS 14'-0" A.F.F.
- 19 FINISHED GRADE AT EXTERIOR WALLS SHALL BE A MINIMUM OF 6" BELOW FINISHED FLOOR AT ALL NON PAVED AREAS.
- 20 NOT USED.
- 21 METAL CANOPY BY PRE-ENGINEERED METAL BUILDING MANUFACTURER. (ONLY APPLICABLE TO C & D PROTOTYPES)
- 22 1/2" DIAMETER x 6" LONG STAINLESS STEEL EYE BOLTS (CLOSED) WITH 1" DIAMETER OPENINGS. DRILL AND EPOXY INTO BLOCK WALL. 4 BOLTS TO BE LOCATED AS SHOWN EACH SIDE OF ENTRY, TOTAL OF 8 BOLTS.

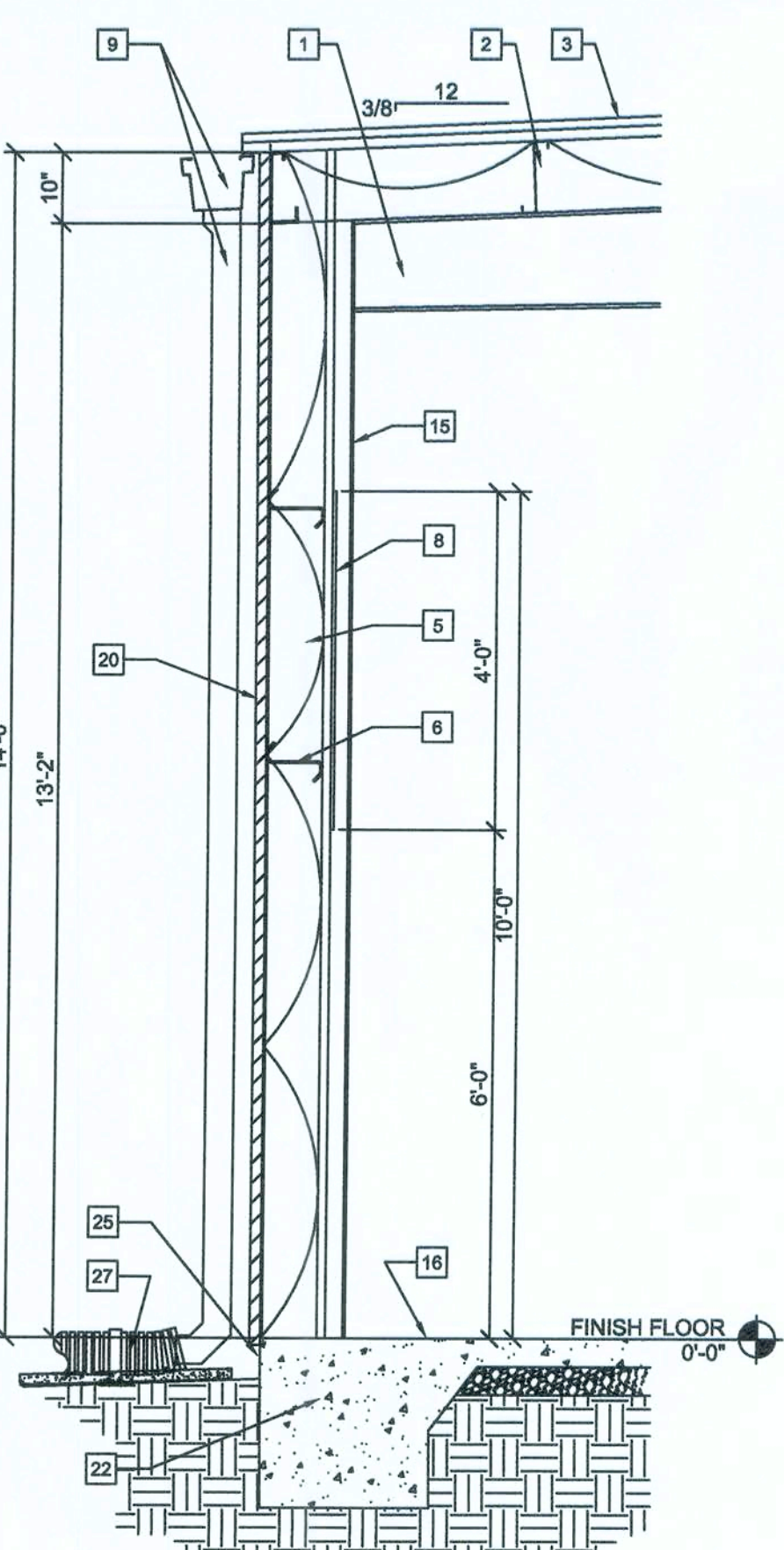
EXTERIOR FINISHES	PRE-ENGINEERED METAL BUILDING VENDOR	VP BUILDINGS ATTN: DAVID ENGLISH (901) 566-4537	STAR BUILDING SYSTEMS ATTN: TONEY BURT (80) 879-7827	NUCOR BUILDING SYSTEMS ATTN: BOB BARRY (315) 622-4440 (260) 837-7891	BIG BEE STEEL BUILDINGS, INC. ATTN: KEVIN BUSLER (800) 633-3378	CHIEF BUILDINGS ATTN: ERIN SULLIVAN (800) 845-1767	PREFERRED COLORS IF ALTERNATE EXTERIOR MATERIALS ARE USED INSTEAD OF METAL PANELS																								
EXTERIOR FINISHES ARE TO MATCH OR BE EQUAL TO VP METAL BUILDING SYSTEMS FINISH SELECTION UNLESS AUTHORITY HAVING JURISDICTION DOES NOT ALLOW.	COOL DESCRIPTION WHITE	COOL DARK BRONZE	BRONZE	COOL COTTON WHITE	GALVALUME	LIGHTSTONE	MEDIUM BRONZE KYNAR 300	BRONZE	POLAR WHITE	GALVALUME	LIGHTSTONE	MEDIUM BRONZE KYNAR 300	BRONZE	POLAR WHITE	GALVALUME	SANDSTONE	BURNISHED SLATE	BRONZE	POLAR WHITE	GALVALUME	PARCHMENT	ANTIQUE BRONZE	BRONZE	POLAR WHITE	GALVALUME	SHERWIN WILLIAMS #7037, "BALANCED BEIGE"	SHERWIN WILLIAMS #7041, "VAN DYKE" BROWN	BRONZE	WHITE BY PERM MANUFACTURER	GALVALUME	
GUTTERS																															
DOWN SPOUTS																															
SIDE AND REAR METAL WALL PANELS & TRIM, RECEIVING & EMERGENCY EXIT DOORS (EXTERIOR OF DOORS TO BE PAINTED, REFER TO DOOR SCHEDULE)																															
ARCHITECTURAL BLOCK AT BUILDING FACADE TO BE PRE-FINISHED OR PAINTED (2 COATS LEXON XP MASONRY COATING A24W400 SERIES) TO MATCH THE SIDE AND REAR METAL WALL PANELS																															
FLAT METAL SOFFIT AT STOREFRONT VESTIBULE AREA																															
BUILDING FASCIA WALL, PARAPET OVER ENTRANCE, AND CANOPY																															
STOREFRONT SYSTEM																															
STANDING SEAM METAL ROOF PANELS																															
LINER PANELS (INTERIOR SALES AND RECEIVING FLOOR)																															

NOTE:
 1. REFER TO SHEET T01 FOR ADDITIONAL INFORMATION ON RECOMMENDED NATIONAL ACCOUNT VENDORS.
 2. NATIONAL ACCOUNT AND CONTACT INFORMATION SUBJECT TO CHANGE.

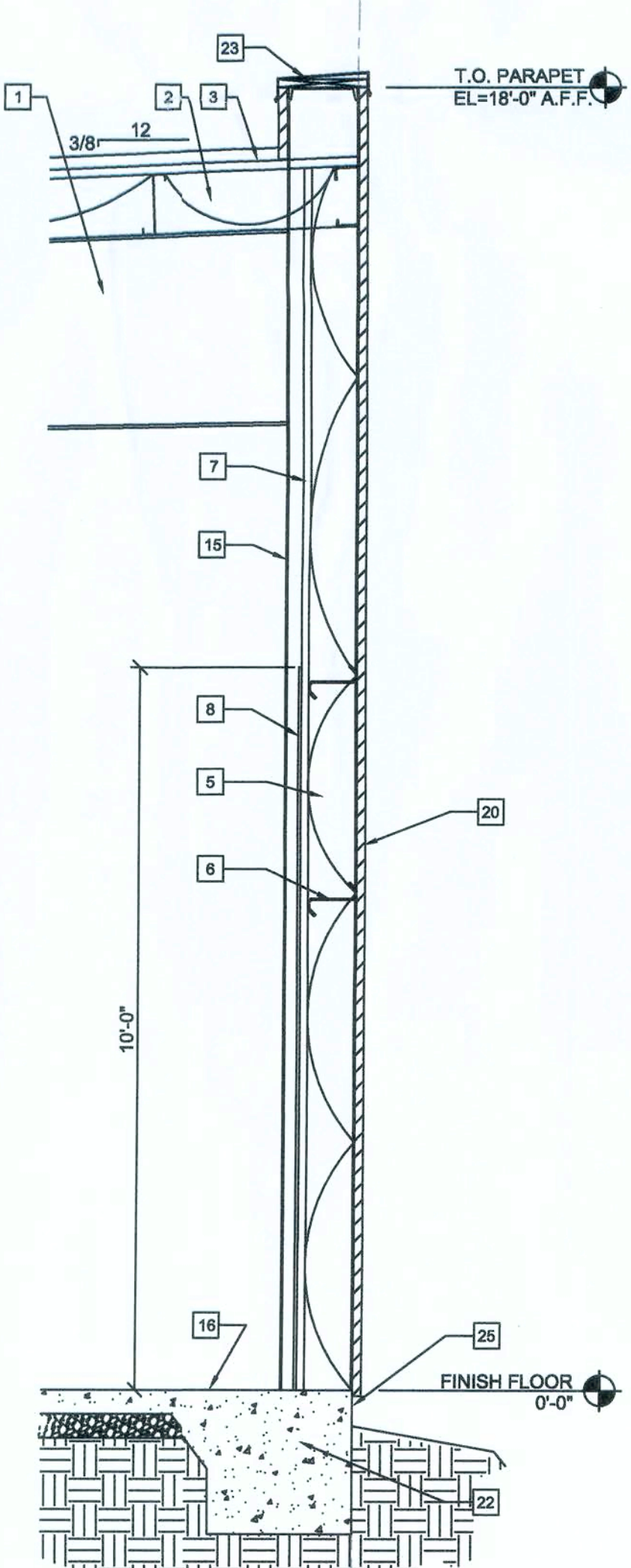


1 BUILDING SECTION
A3 SCALE: 1/4" = 1'-0"

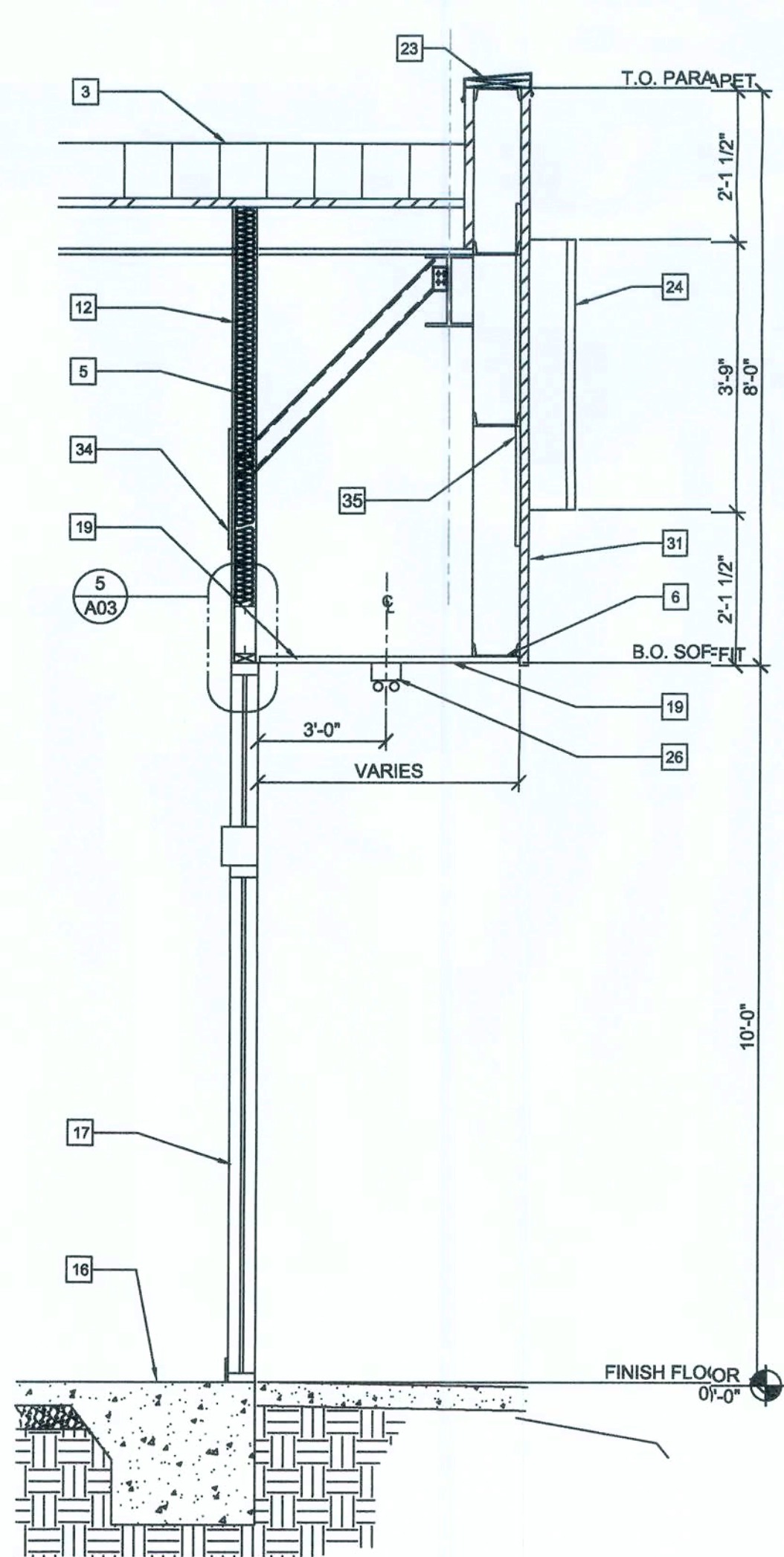
SECTION KEYED NOTES	
1 PRE-ENGINEERED METAL BUILDING SYSTEM BY BUILDING MANUFACTURER.	19 SOFFIT BEYOND (BY PEMB).
2 MIN. R-19 BATT INSULATION WITH R-5 THERMAL BLOCKS AT EACH PURLIN. (BY PEMB). PROVIDE TAMPER-RESISTANT FASTENERS 8'-0" AFF AND BELOW. BOTTOM OF PURLINS EXPOSED FOR ATTACHMENTS - "SAG AND BAG" PREFERRED, "LONG TAB/BANDED FILLED CAVITY" ACCEPTABLE.	20 PRE-FINISHED METAL WALL PANELS (BY PEMB). PROVIDE TAMPER-RESISTANT FASTENERS 8'-0" AFF AND BELOW.
3 STANDING SEAM METAL ROOF, GALVALUME FINISH (BY PEMB).	21 GRANULAR FILL.
4 ROOF MOUNTED HVAC UNIT, SEE MECHANICAL DRAWINGS.	22 REINFORCED CONCRETE FOOTING. (REFER TO NOTES ON S2)
5 MINIMUM R-13 VINYL FACED BATT INSULATION (BY PEMB).	23 PREFINISHED METAL COPING.
6 METAL BUILDING GIRT (BY PEMB).	24 STOREFRONT SIGN (BY DOLLAR GENERAL). REFER TO ELEVATIONS & STRUCTURAL NOTES FOR REQUIRED BLOCKING.
7 VERTICAL METAL LINER PANELS, 28 GA.	25 FINISH GRADE (NO SIDEWALKS) AT EXTERIOR WALLS SHALL BE A MINIMUM OF 6" BELOW FINISHED FLOOR.
8 1/2" MINIMUM GYPSUM BOARD OVER LINER PANELS. METAL LINER PANELS TO DECK ABOVE. T.O. GYPSUM BOARD 10'-0" AFF. PAINTED. REFER TO INTERIOR SALES FLOOR ELEVATIONS.	26 LIGHTING. REFER TO ELECTRICAL DRAWINGS.
9 PRE-FINISHED GUTTER & DOWNSPOUT.	27 WHERE DOWNSPOUTS DISCHARGE ONTO GRADE (NO SIDEWALKS), MINIMUM 5'-0" LONG, 4" PERFORATED LANDSCAPE PIPE STRAPPED TO A 12"x24" CONCRETE SPLASH BLOCK SHALL BE INSTALLED TO PREVENT EROSION AROUND STRUCTURE.
10 PROVIDE METAL CLOSURE SEAL & CAULK TO ROOF/PROOF BUILDING.	28 INTERIOR WALL - PAINTED - SEE ROOM SCHEDULE FOR MORE INFORMATION.
11 LOCATION OF 1 1/2" CONDUIT WITH PULLSTRING (ABOVE OFFICE) FOR SATELLITE LINE. PROVIDE WEATHERTIGHT SEAL AT HORIZONTAL PENETRATION. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF CONDUIT.	29 8" SPLIT-FACED CMU PAINTED SW 7037 "BALANCED BEIGE". ALIGN FACE OF BLOCK WITH STEEL GIRT. PROVIDE PROPER ANCHORAGE TO STRUCTURE.
12 1/2" MINIMUM GYPSUM BOARD ON 3 5/8" MTL. STUDS. HEIGHT AS NOTED.	30 MC CUE TRIM KIT.
13 ADA COMPLIANT DRINKING FOUNTAIN, REFER TO PLUMBING.	31 PRE-FINISHED METAL WALL PANELS, REVERSE-RIB PROFILE.
14 NOT USED.	32 STEEL PIPE COLUMN (BY PEMB) WITH RECESSED BASEPLATE, WRAP WITH CARPET UP TO 48" AFF.
15 METAL BUILDING COLUMNS SHALL BE STRAIGHT.	33 1"x4" LIGHT FIXTURES HUNG WITH AIRCRAFT CABLE, ADD UNISTRUT TO PURLINS AS REQUIRED FOR HANGING.
16 REINFORCED CONCRETE SLAB ON VINYL VAPOR BARRIER.	34 20"x30" MINIMUM ACCESS PANEL FOR SIGNAGE JUNCTION BOX; COORDINATE LOCATION WITH ELECTRICAL DRAWINGS AND SIGNAGE VENDOR.
17 ALUMINUM BI-PART DOOR AND STOREFRONT GLAZING SYSTEM, COLOR BRONZE.	35 BLOCKING FOR BUILDING SIGNAGE. COORDINATE WITH SIGN VENDOR.
18 UNDISTURBED EARTH AND COMPACTED SUB GRADE.	36 CABLE TRAY - SEE SHEET A09



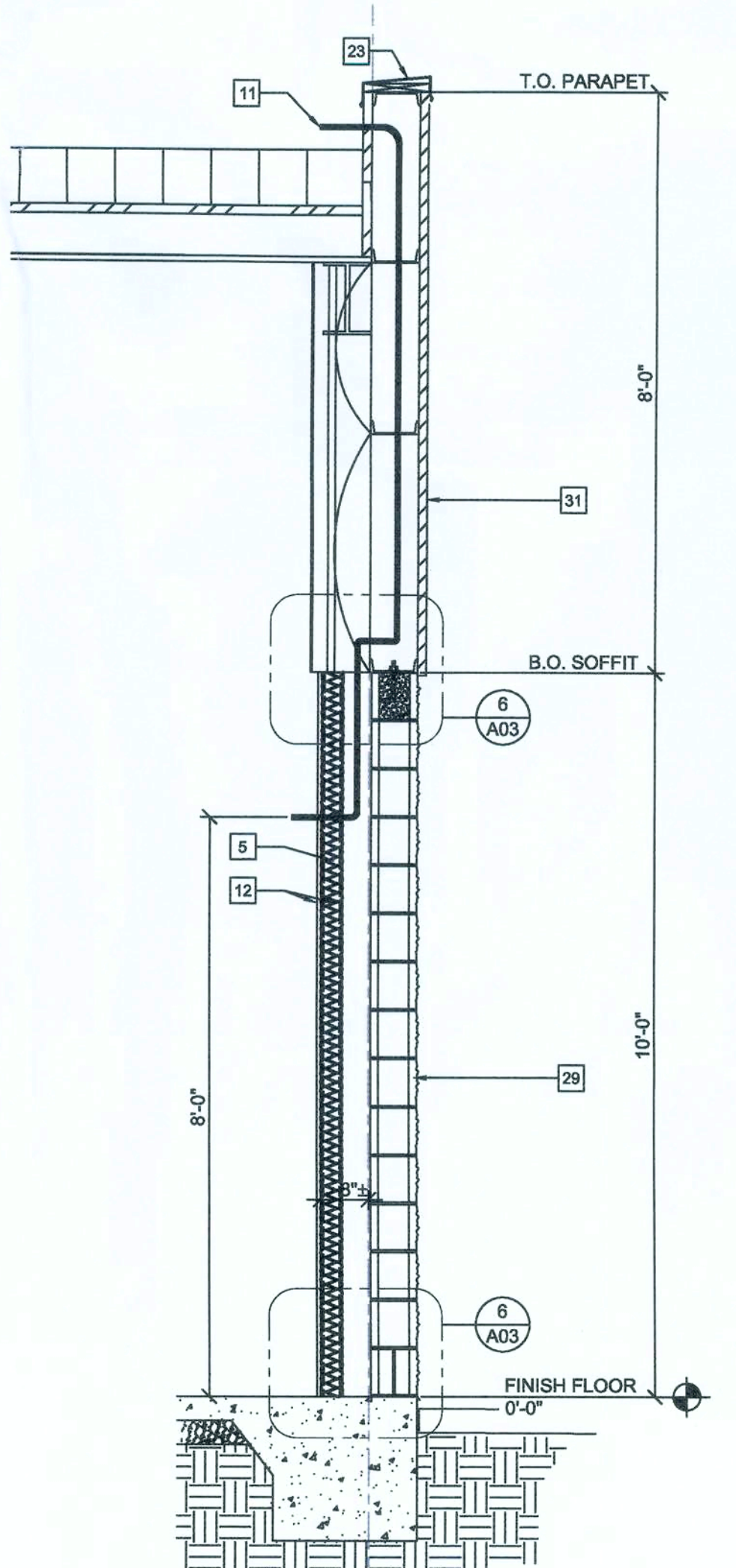
2A WALL SECTION
A3 SCALE: 1/2" = 1'-0"



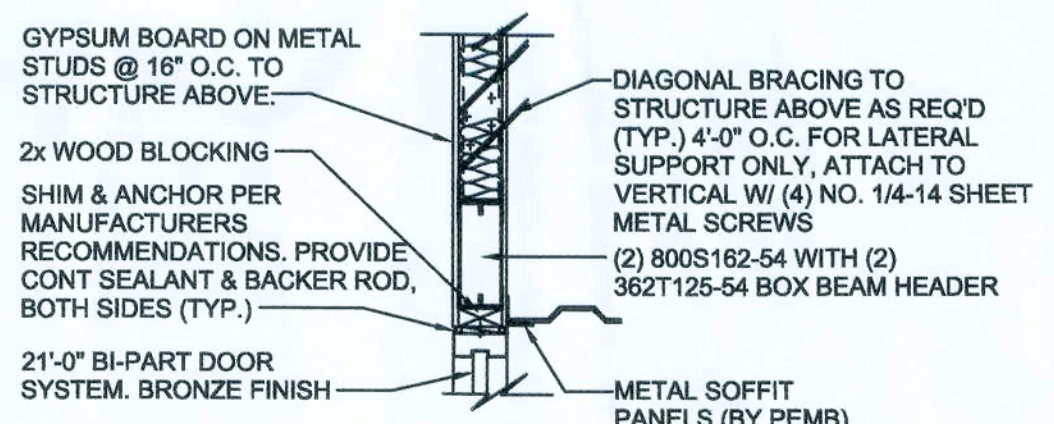
2B WALL SECTION
A3 SCALE: 1/2" = 1'-0"



3 WALL SECTION
A3 SCALE: 1/2" = 1'-0"



4 WALL SECTION
A3 SCALE: 1/2" = 1'-0"



6 DETAIL
A3 SCALE: 3/4" = 1'-0"

- NOTES:
- SEE STRUCTURAL DRAWINGS SPECS AND DETAILS. CMU WALL TO BE REINFORCED W/#5 VERT. @ 48" O.C. TYP.. DUROWALL @ 16" O.C. BOND BEAMS TO HAVE (2) #5s
 - FLASHING ONLY BETWEEN GROUDED CELLS. SEE STRUCTURAL DRAWINGS.
 - PAN FLASHING IS AN ACCEPTABLE ALTERNATE
- GYP. BD.
 INSULATION R13 MIN
 3/8" METAL SYTUDS @ 16" O.C. STUDS TO BE FLUSH WITH PEMB COLUMNS
 1/2" BOLT @ 48" O.C. (MIN.) BY PEMB
 EL. 10'-0" AFF T.O. CMU
 PRE-FINISHED METAL WALL PANEL BY PEMB
 BACKER ROD & SEALANT
 TOP COURSE TO BE SMOOTH. GROUT CELL @ ANCHOR BOLT LOCATIONS. MESH @ BASE OF CMU TO CONFINE GROUT
 8" SPLIT-FACED CMU. SEE STRUCTURAL FOR REINFORCING.
 WEEP HOLES @ 32" O.C.
 EL. 00.00 T.O. SLAB
 RECESS SLAB FOR KNEEWALL BLOCK & MTL BLDG PANELS. SEE STRUCTURAL FOR SIZE.
 NEW SIDEWALK
 FOUNDATION AND SLAB, SEE SIGNED & SEALED STRUCTURAL DRAWINGS

6 DETAIL
A3 SCALE: 3/4" = 1'-0"

JAMES BLYTHE
REGISTERED ARCHITECT
RA LEED AP BD+C
3324 W. UNIVERSITY AVE
PMB #151
GAINESVILLE, FL 32607
AR94452

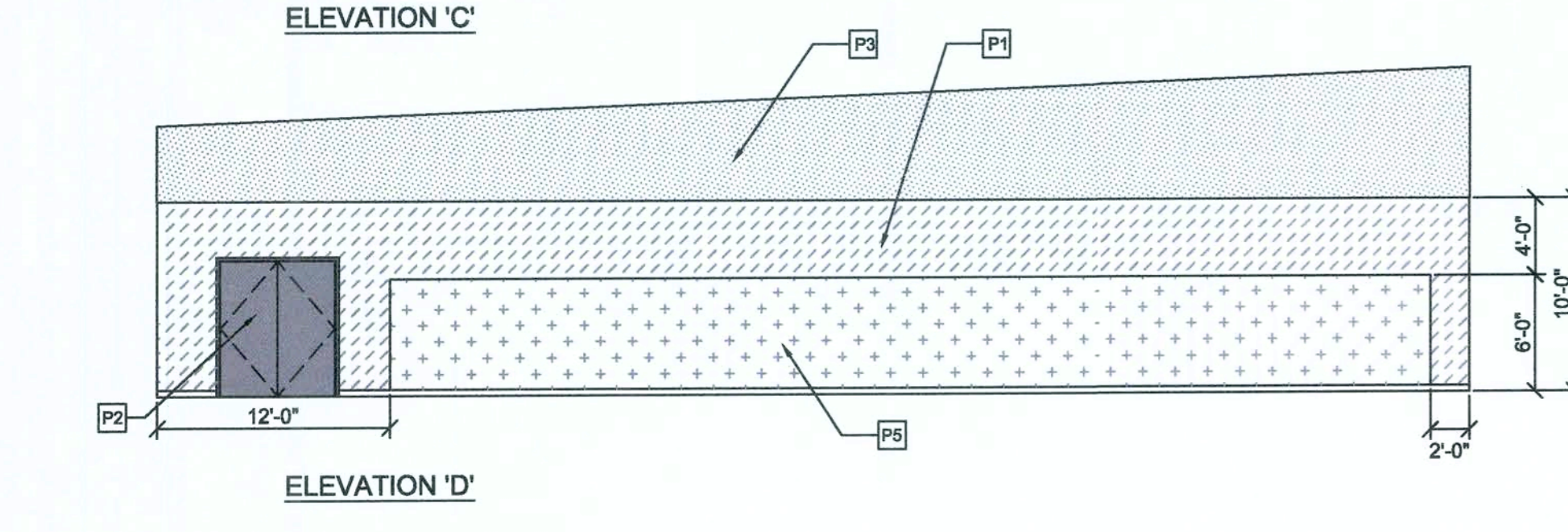
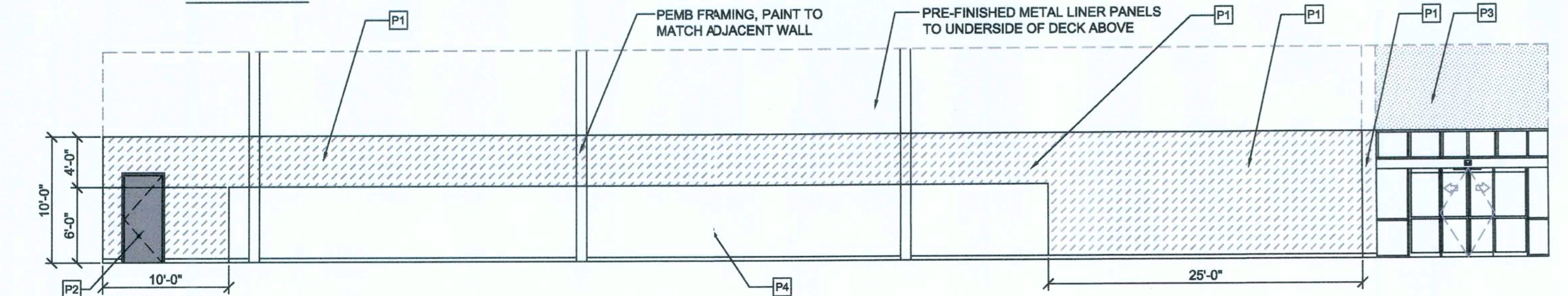
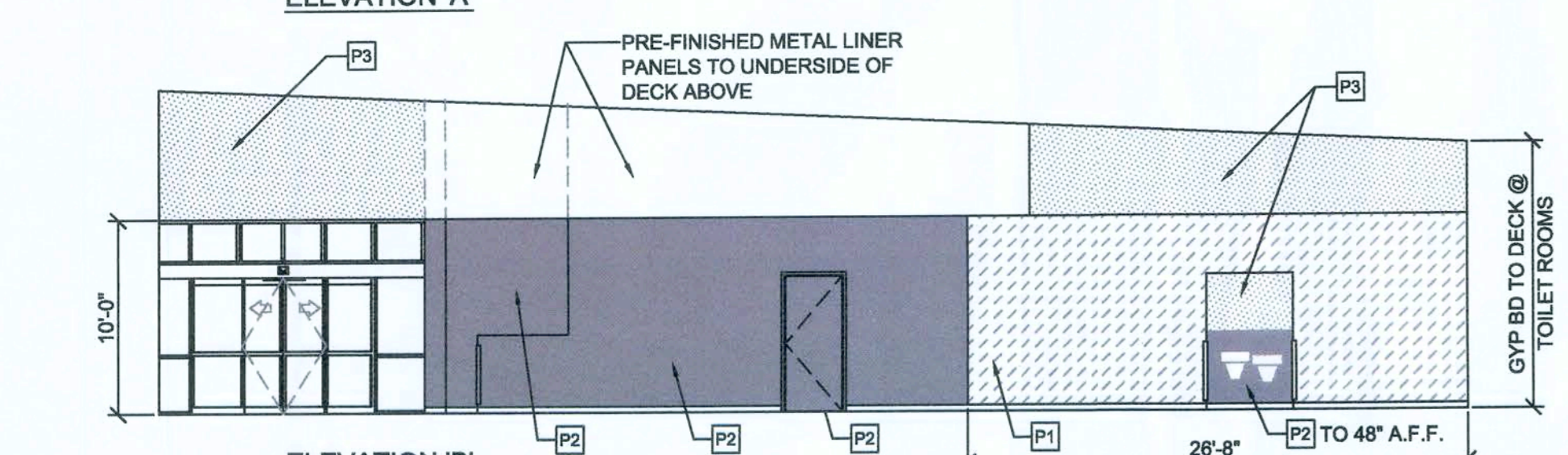
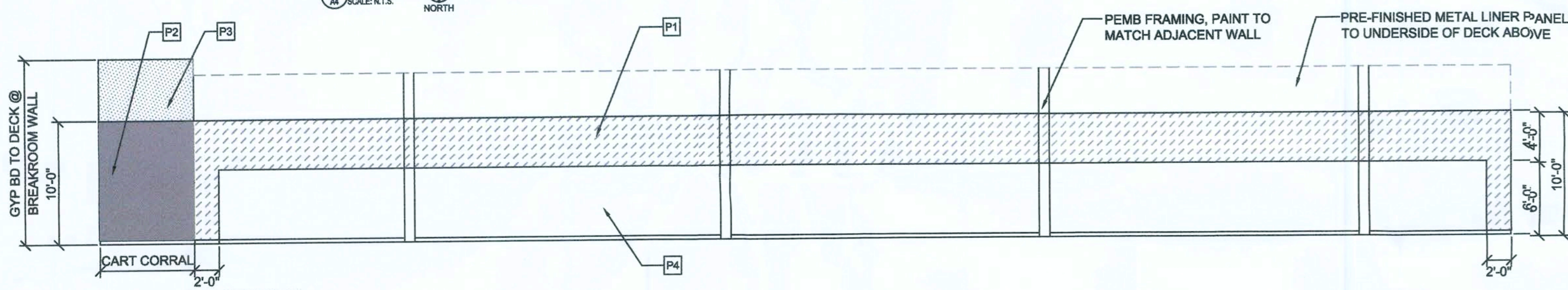
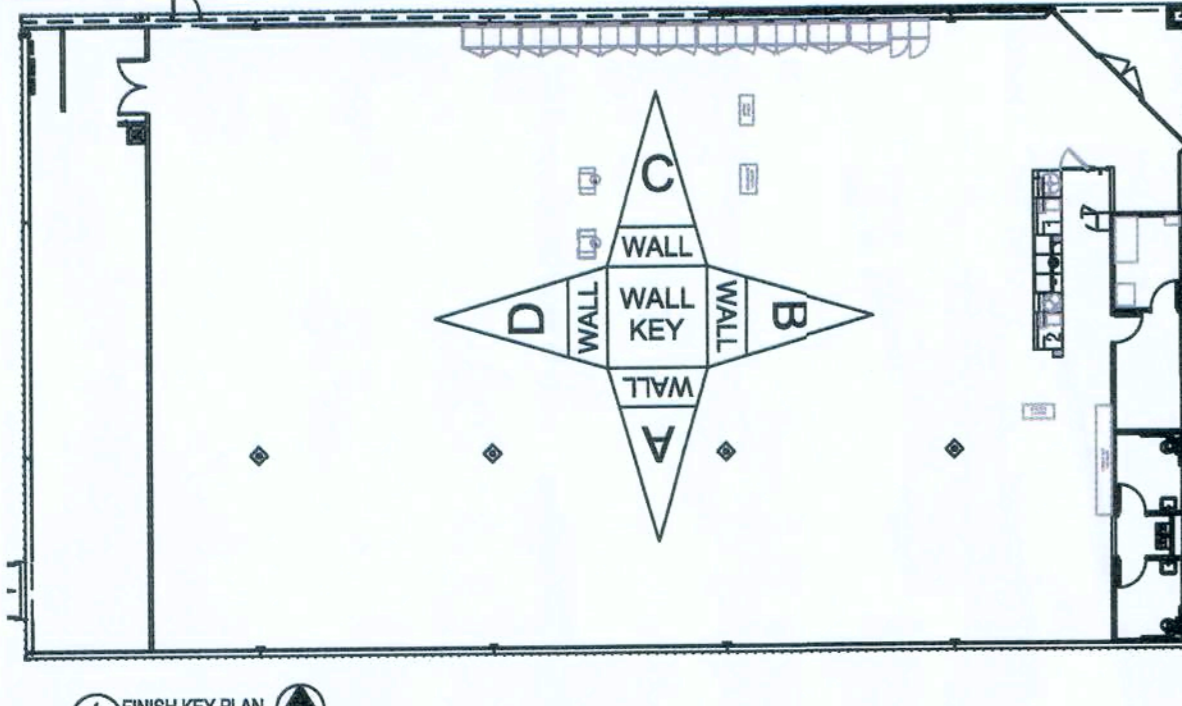
CONCEPT COMPANIES
3017 NW 97TH BOULEVARD / GAINESVILLE, FL 32608
PH: 877.309.1029 / FAX: 800.218.7809
WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL
1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20895
2018 PROTOTYPE - PLAN 9'100" - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
4/5/19 - JEM
REVISION DATE / REVISED BY:
PROJECT NUMBER:
4000.180
DRAWING TITLE:
SECTIONS & DETAILS
SHEET NO.

A3

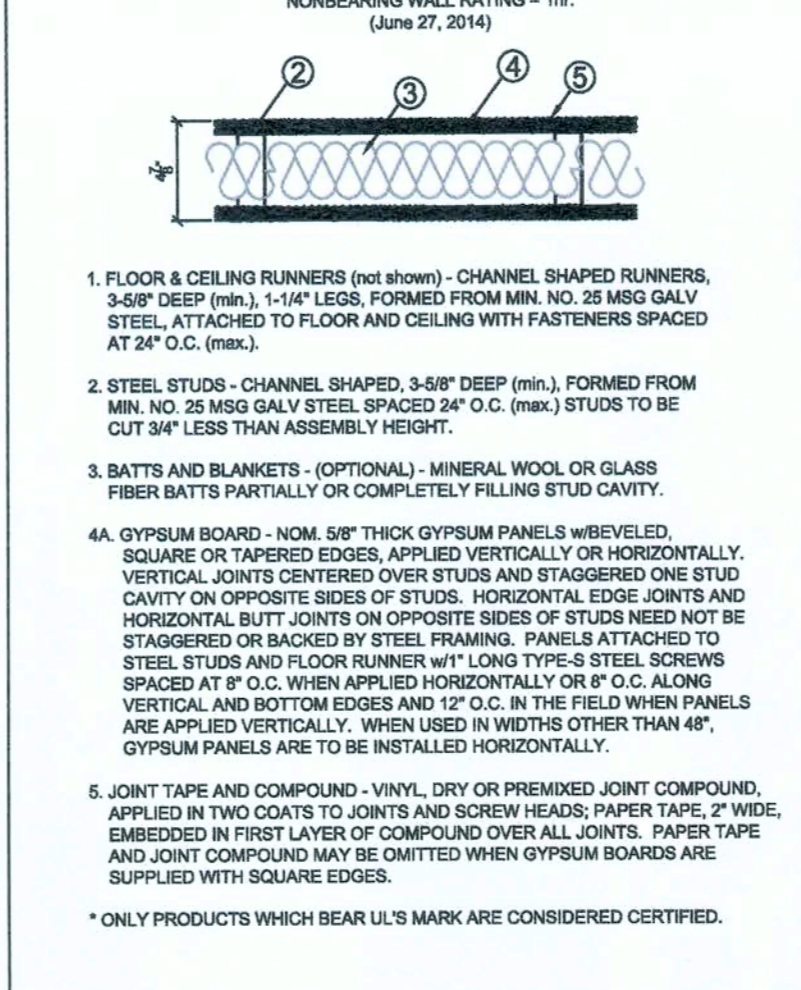
ROOM SCHEDULE															
NO	ROOM NAME	FLOOR	BASE		A WALL		B WALL		C WALL		D WALL		CEILING		REMARKS
			MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
100	BREAK ROOM		SEALED CONCRETE WITH SEALER	CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	EXPOSED TO STRUCTURE ABOVE	N/A	
101	OFFICE		SEALED CONCRETE WITH SEALER	CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	EXPOSED TO STRUCTURE ABOVE	N/A	
102	SALES AREA		POLISHED CONCRETE (STEPS 1-8)	POLISHED CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO 10'-0" A.F.F. ON WHITE METAL LINER PANELS	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS. SATIN. SEE ELEVATIONS ON THIS SHEET.	GYPSUM BOARD TO 10'-0" A.F.F. ON WHITE METAL LINER PANELS	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	EXPOSED TO STRUCTURE ABOVE	N/A	
103	RECEIVING AREA		SEALED CONCRETE WITH SEALER	CONCRETE WITH SEALER	N/A	N/A	METAL LINER PANEL TO 8'-0" A.F.F.	WHITE	GYPSUM BOARD TO ROOF DECK	TAPED, PAINTED AS RECD BY CODE. METAL LINER PANEL TO DECK AS ALTERNATE.	GYPSUM BOARD TO ROOF DECK	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	EXPOSED TO STRUCTURE ABOVE	N/A	
104	MENS		SEALED CONCRETE	SHERWIN WILLIAMS ACRYLIC SILK CHOCOLATE HC-17	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO 8'-0" A.F.F.	8'-0" HIGH FIBERGLASS REINFORCED PANEL - "WHITE"	GYPSUM BOARD TO 8'-0" A.F.F.	8'-0" HIGH FIBERGLASS REINFORCED PANEL - "WHITE"	GYPSUM BOARD TO 8'-0" A.F.F.	8'-0" HIGH FIBERGLASS REINFORCED PANEL - "WHITE"	GYP BD OR ACT CEILING @ 8'-0" A.F.F.	WHITE	
105	WOMENS		SEALED CONCRETE	SHERWIN WILLIAMS ACRYLIC SILK CHOCOLATE HC-17	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO 8'-0" A.F.F.	8'-0" HIGH FIBERGLASS REINFORCED PANEL - "WHITE"	GYPSUM BOARD TO 8'-0" A.F.F.	8'-0" HIGH FIBERGLASS REINFORCED PANEL - "WHITE"	GYPSUM BOARD TO 8'-0" A.F.F.	8'-0" HIGH FIBERGLASS REINFORCED PANEL - "WHITE"	GYP BD OR ACT CEILING @ 8'-0" A.F.F.	WHITE	
106	VESTIBULE (WHEN REQUIRED)		POLISHED CONCRETE (STEPS 1-8)	POLISHED CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW6991 BLACK MAGIC, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW6991 BLACK MAGIC, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW6991 BLACK MAGIC, PRO-MAR LATEX SEMI-GLOSS.	GYP. BD. AT 10'-0" A.F.F.	N/A	
107	HALLWAY		POLISHED CONCRETE (STEPS 1-8)	POLISHED CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO ROOF DECK	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS ABOVE 48" AFF.	GYPSUM BOARD TO 10'-0" AFF	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS ABOVE 48" AFF.	GYPSUM BOARD TO 10'-0" AFF	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS ABOVE 48" AFF.	EXPOSED TO STRUCTURE ABOVE	N/A	



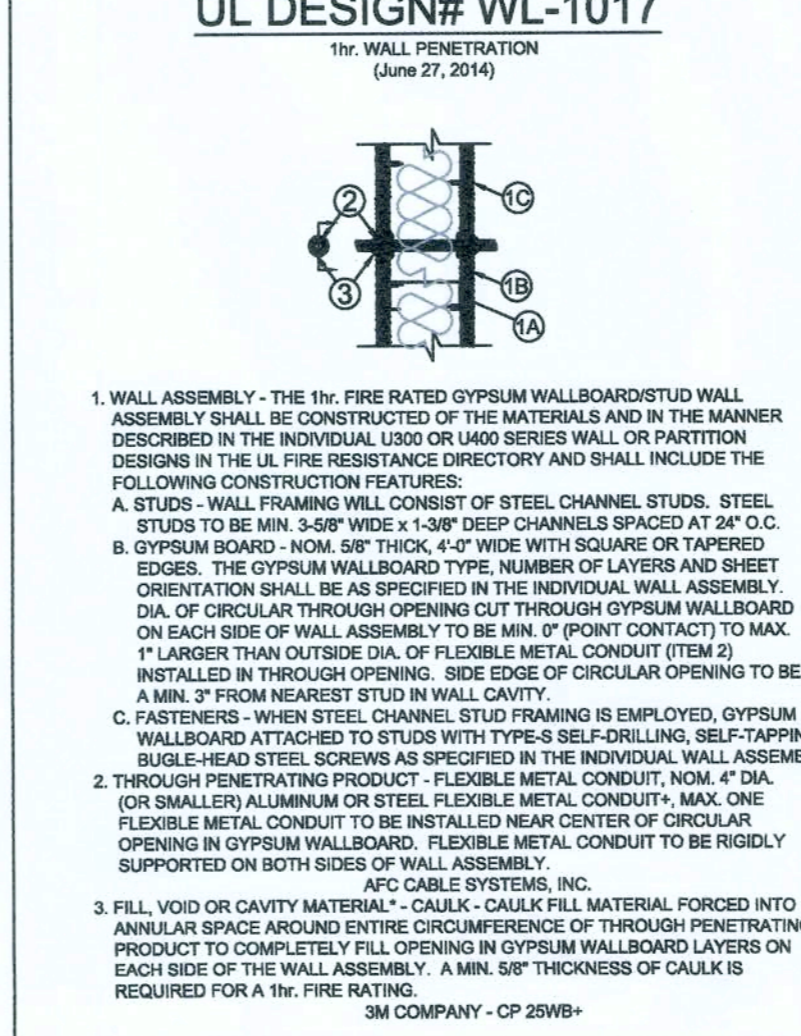
WALL PAINT LEGEND	
P1	SW6910 "DAISY"
P2	SW6991 "BLACK MAGIC"
P3	SW7005 "PURE WHITE"
P4	EXPOSED LINER PANEL
P5	DENOTES GYPSUM BOARD, TAPED AND MUDDED ONLY

NOTE: PAINT EXPOSED STRUCTURE SW7005 PURE WHITE

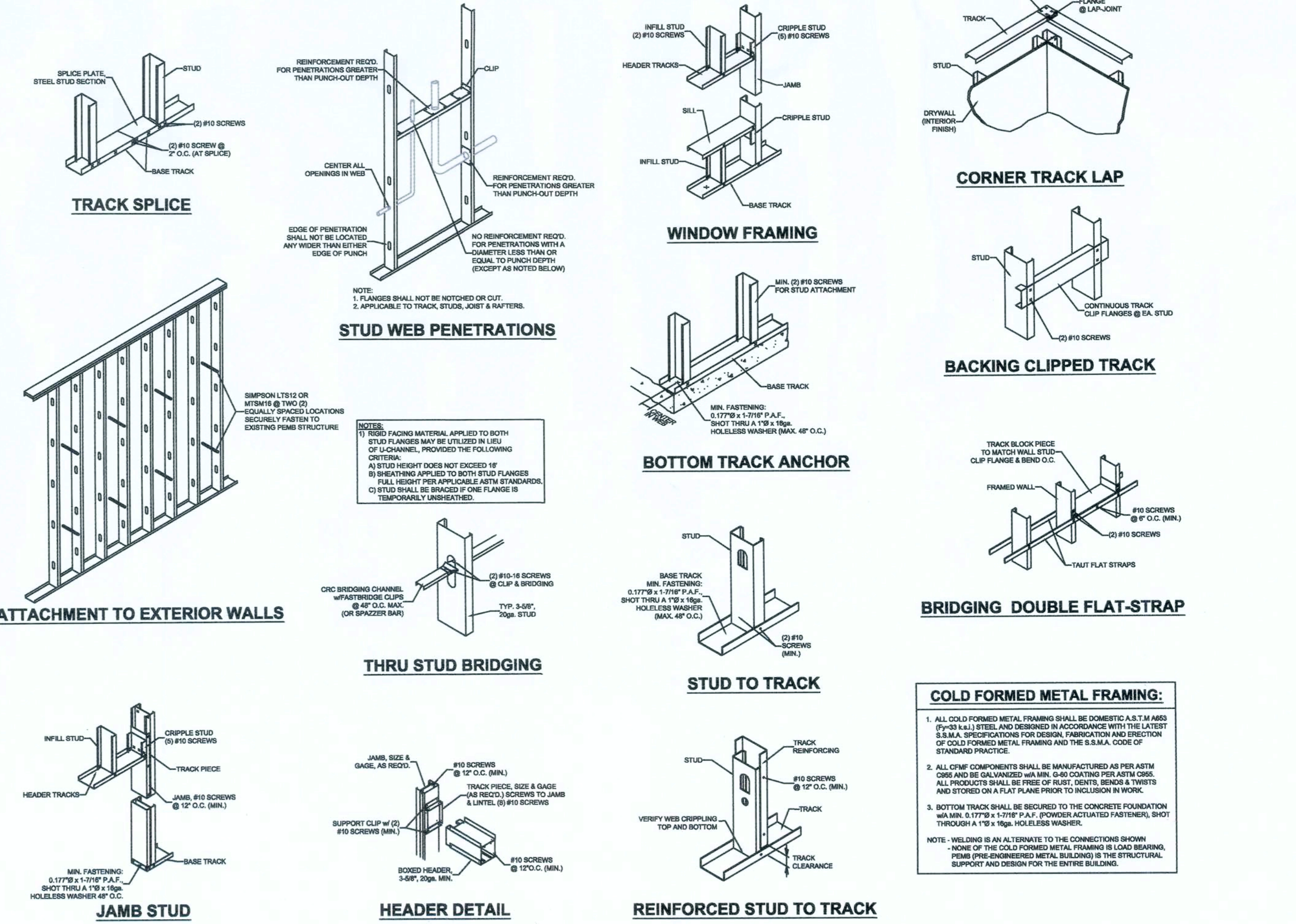
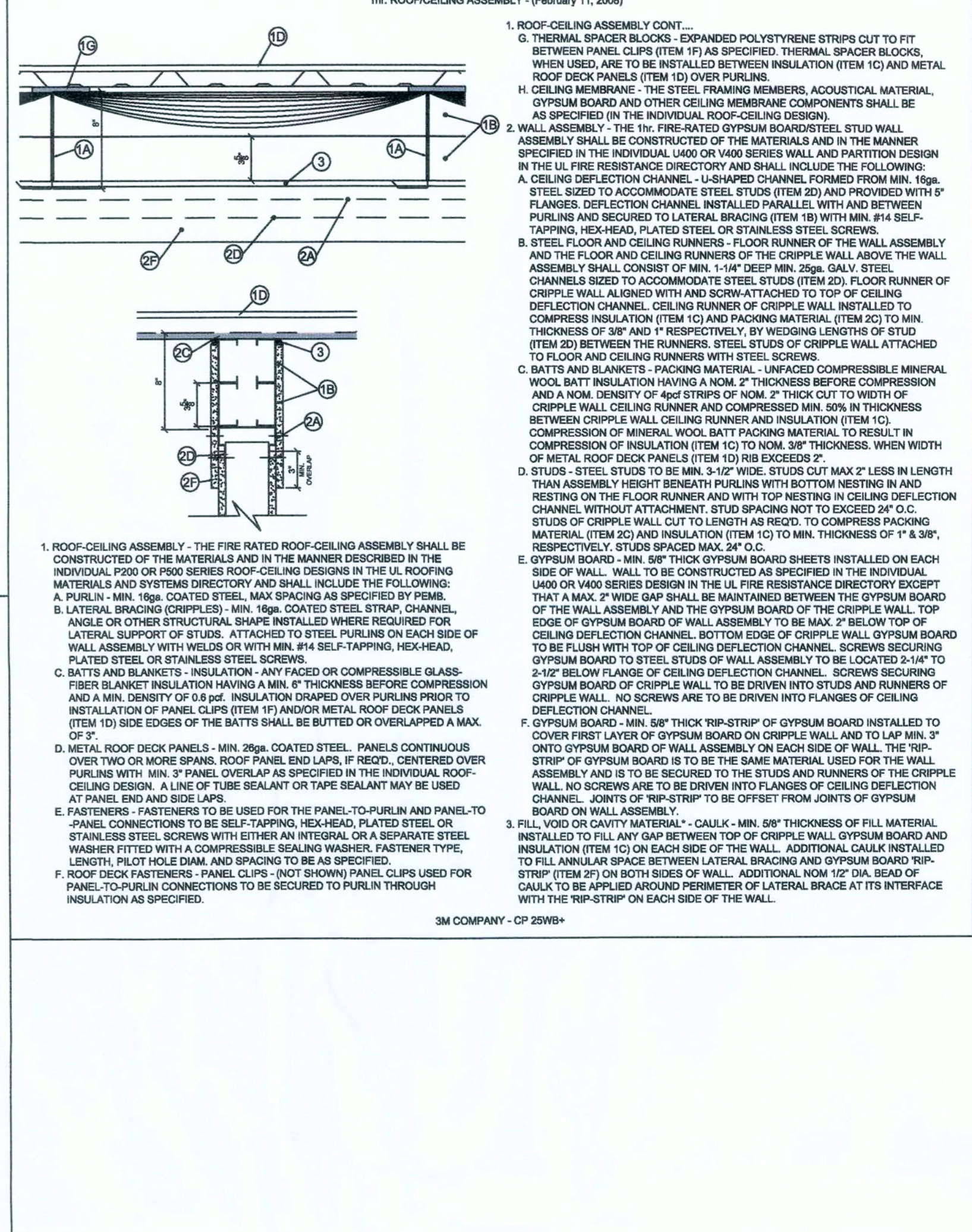
UL DESIGN# U465/U419 or WP-1081



UL DESIGN# WL-1017



UL DESIGN# HW-D-0089



JAMES BLYTHE
REGISTERED ARCHITECT
RA LEED AP BD+C
3324 W. UNIVERSITY AVE
PMB1511
GAINESVILLE, FL 32607
AR94452

THESE DRAWINGS HAVE BEEN PREPARED IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE CORRECT, THE ARCHITECT ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT OR INCOMPLETE INFORMATION PROVIDED TO THE ARCHITECT. THESE RELYING ON ITS ACCURACY, ALL WORK SHALL COMPLY WITH ANY AND ALL APPLICABLE CODES AND ORDINANCES. SUPERINTENDENTS ARE RESPONSIBLE FOR VERIFYING THE INFORMATION AND CONDITIONS SHOWN ON THESE DRAWINGS ARE THE EXCLUSIVE PROPERTY OF THE PARTIES NOTED ON THIS TITLE-BLOCK.

CONCEPT COMPANIES

3917 NW 87th BOULEVARD / GAINESVILLE, FL 32608
PH: 877-306-1028 / FAX: 800-218-7809
WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL

1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20685
2018 PROTOTYPE - PLAN 9100F - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
4/5/19 - JEM

REVISION DATE / REVISED BY:

PROJECT NUMBER:
4000.180

DRAWING TITLE:
ROOM FINISH SCHEDULE & SALES FLOOR ELEVATIONS

SHEET NO.
A4

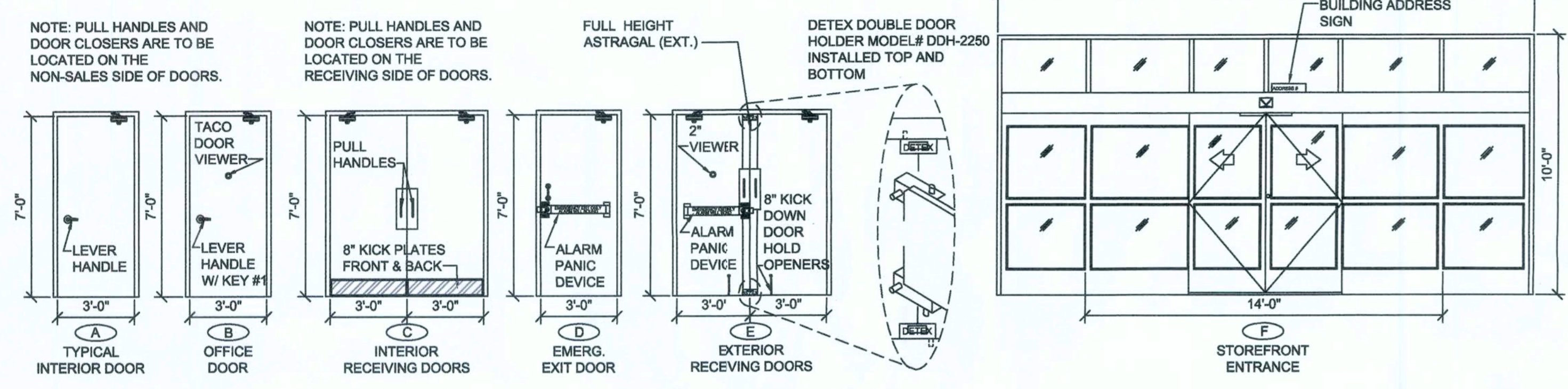


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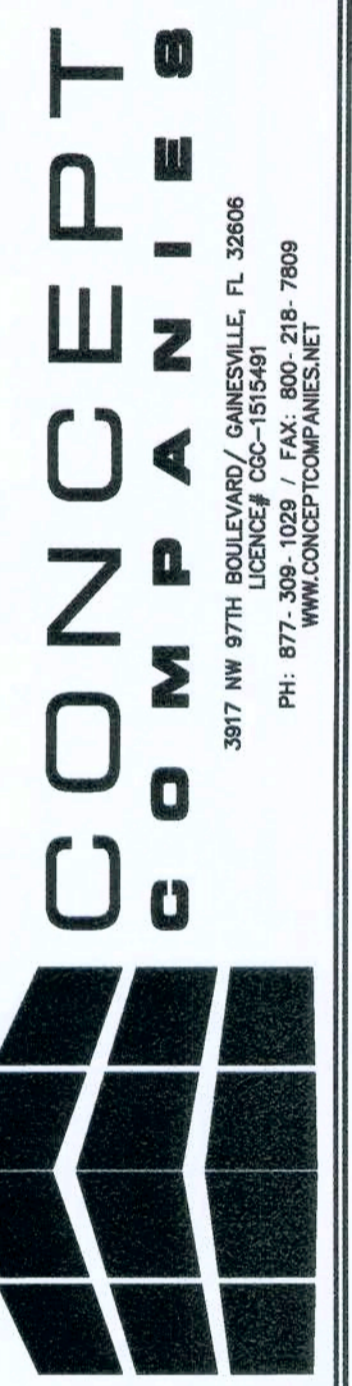
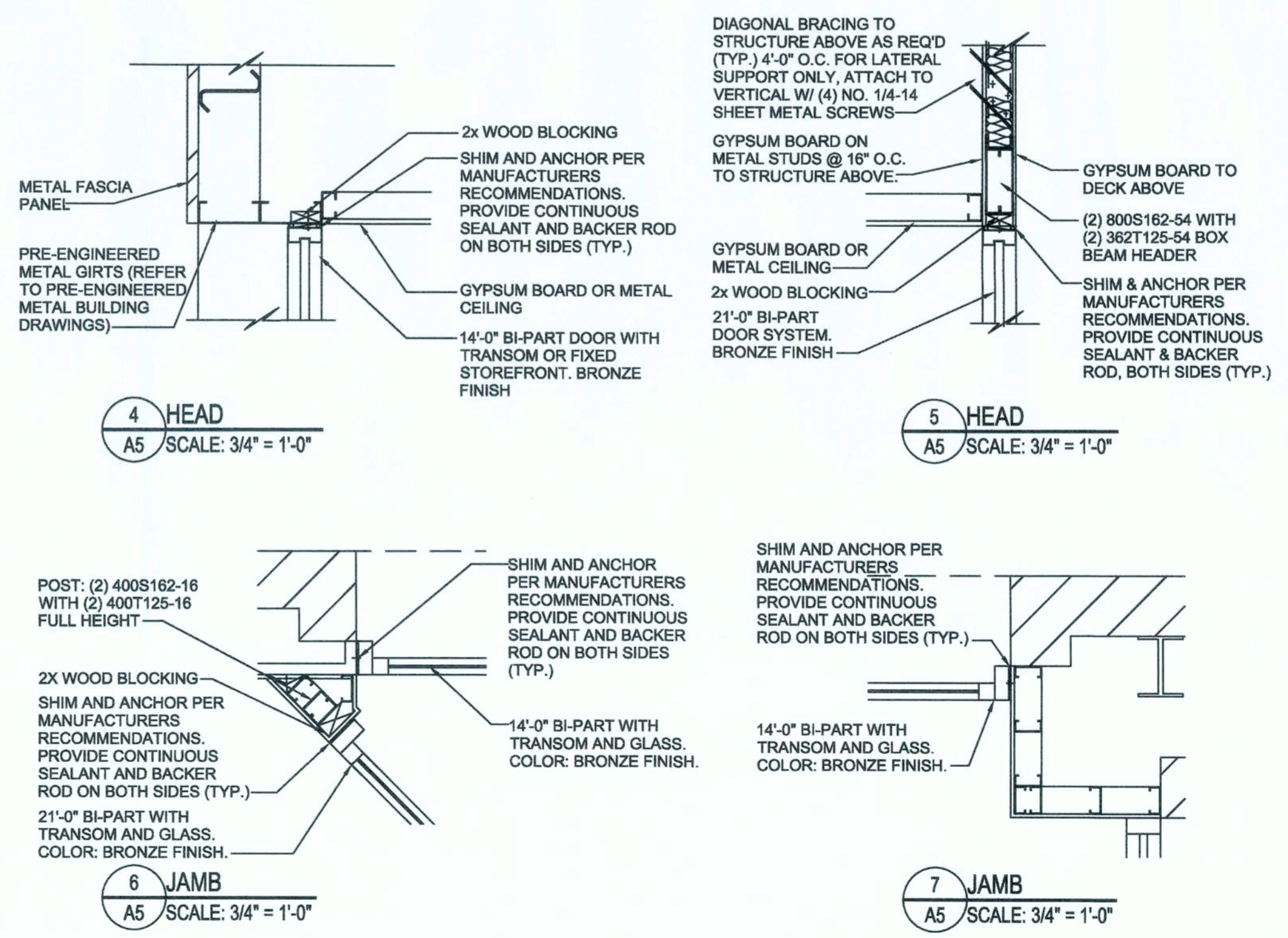
NO.	Type	SIZE			DETAILS		DOOR HARDWARE	REMARKS
		W	H	T	HEAD	JAMB		
100	A	3'-0"	7'-0"	1 3/4"	6/A5	5/A5	(1-1/2) PAIR HINGES, (1) STANLEY P/S SAGE LOCKSET QCL230-E-626-S4 - NO KEY REQUIRED, (1) STANLEY DOOR CLOSER QDC311-689, (1) IVES WALL STOP #402-1/2B-26D	SOLID CORE WOOD DOOR OR HOLLOW CORE METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).
101	B	3'-0"	7'-0"	1 3/4"	6/A5	5/A5	(1-1/2) PAIR HINGES, (1) STANLEY STOREROOM LOCKSET QCL270-E-626-S4-SC-KD - KEY #1, (1) STANLEY DOOR CLOSER QDC311-689, (1) IVES WALL STOP #402-1/2B-26D, (1) TACO DOOR VIEWER #TA3310PC.	SOLID WOOD DOOR OR HOLLOW CORE METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).
102	D	3'-0"	7'-0"	1 3/4"	3/A5	2/A5	(1-1/2) PAIR HINGES, (1) VON DUPRIN GUARD-X EXIT ALARM LOCK #2670-28, (1) STANLEY DOOR CLOSER QDC311-689, (1) DOOR PULL 8N US28, (1) DOOR SWEEP, WEATHERSTRIPPING, (1) 7015SC8-26D-RIM CYLINDER	HOLLOW CORE METAL DOOR, PAINT EXTERIOR SW7041, VAN DYKE BROWN (SEMI-GLOSS); PAINT INTERIOR SW6991, BLACK MAGIC (SEMI-GLOSS).
103A	C	6'-0"	7'-0"	1 3/4"	6/A5	5/A5	(3) PAIR HINGES, (2) BURNS PULL PLATES #5410-32D-26D-GRIP, (2) BURNS PUSH PLATES #54-US32D (4) IVES KICK PLATES #6400-S32D-8X34 (2) STANLEY DOOR CLOSERS QDC311-689, (2) IVES 4" DOOR HOLDER #452B26D- IF NOT FIRE RATED WALL.	FIRE RATED DOORS IF REQUIRED BY CODES, SOLID CORE WOOD DOOR OR HOLLOW METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).
103B	E	6'-0"	7'-0"	1 3/4"	3/A5	2/A5	(3) PAIR HINGES, (1) VON DUPRIN GUARD-X EXIT ALARM LOCK #2670-28, (1) VON DUPRIN GUARD-X DOUBLE DOOR STRIKE #2609, (1) DETEX DOUBLE DOOR HOLDER #DDH-2250 TOP & BOTTOM, (2) STANLEY DOOR CLOSERS QDC311-689, (2) BURNS PULL PLATES #5410-32D-26D-GRIP, (1) 2" DOOR SCOPE #DS1000MB, (2) 8" DOOR HOLDERS #608Z, (1) NATIONAL GUARD HD THRESHOLD #425 HD-6 FT., (2) DOOR SWEEPS, WEATHERSTRIPPING, (1) 7015SC8-26D RIM CYLINDER	HOLLOW CORE METAL DOOR, PAINT EXTERIOR SW7041, VAN DYKE BROWN (SEMI-GLOSS); PAINT INTERIOR SW6991, BLACK MAGIC (SEMI-GLOSS).
104	A	3'-0"	7'-0"	1 3/4"	6/A5	5/A5	(1-1/2) PAIR HINGES, (1) STANLEY STOREROOM LOCKSET QCL270-E-626-S4-SC-KD - KEY #2, (1) STANLEY DOOR CLOSER QDC311-689, (1) IVES WALL STOP #402-1/2B-26D.	SOLID WOOD DOOR OR HOLLOW CORE METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).
105	A	3'-0"	7'-0"	1 3/4"	6/A5	5/A5	(1-1/2) PAIR HINGES, (1) STANLEY STOREROOM LOCKSET QCL270-E-626-S4-SC-KD - KEY #2, (1) STANLEY DOOR CLOSER QDC311-689, (1) IVES WALL STOP #402-1/2B-26D.	SOLID WOOD DOOR OR HOLLOW CORE METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).
106	F	6'-0"	7'-0"				BY DOOR MANUFACTURER TO BE RE-KEYED BY DOLLAR GENERAL AREA MANAGER WITH (1) ILCO RIM CYLINDER #7015SC8-26D.	21'-0" BI-PART WITH TRANSOM AND GLASS. BRONZE FINISH. REFER TO COVER SHEET FOR VENDOR INFORMATION.

DOOR 103A-FIRE-RATED DOOR HARDWARE:
(3) HINGES COMPATIBLE WITH FIRE RATING
(2) SVR EXIT QED316-36"-7FT-689
(1) EXIT TRIM QRT330-E-SC-KD-689
(2) BURNS PULL PLATES #5410-32D-26D-GRIP,
(2) BURNS PUSH PLATES #54-US32D, (4) IVES KICK PLATES #6400-S32D-8X34
(2) STANLEY DOOR CLOSERS QDC311-689.

NOTE:
ALL EXTERIOR MATERIALS SHALL BE RATED FOR 118 MPH HURRICANE FORCE WINDS. RISK CATEGORY 2.



1 DOOR ELEVATIONS
A5 SCALE: 1/4" = 1'-0"



DOLLAR GENERAL
1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20686
2018 PROTOTYPE PLAN 9'100" - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
4/5/19 - JEM

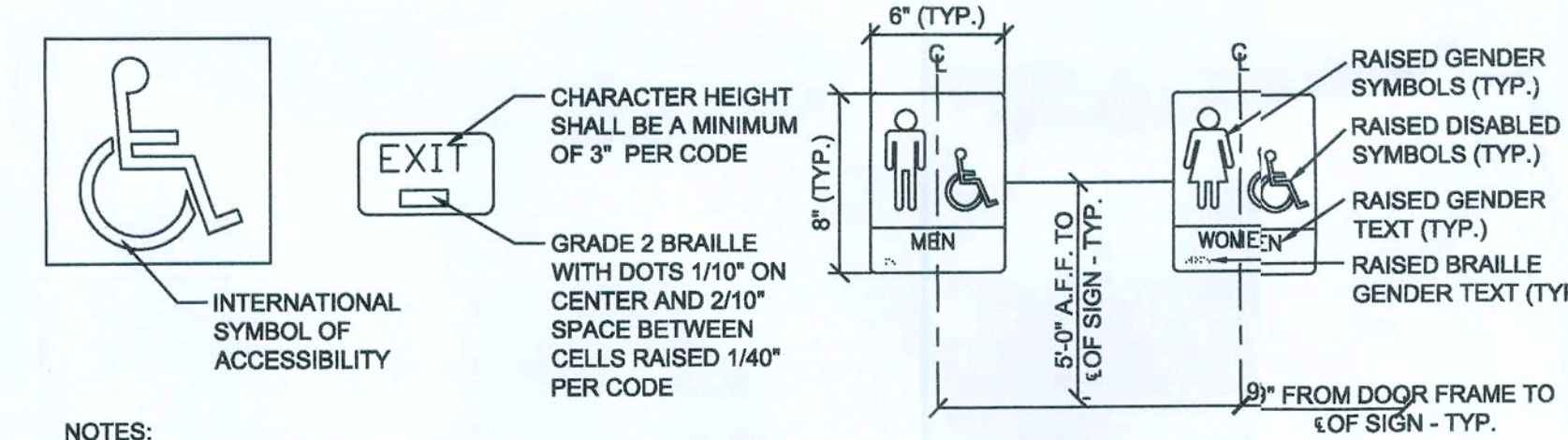
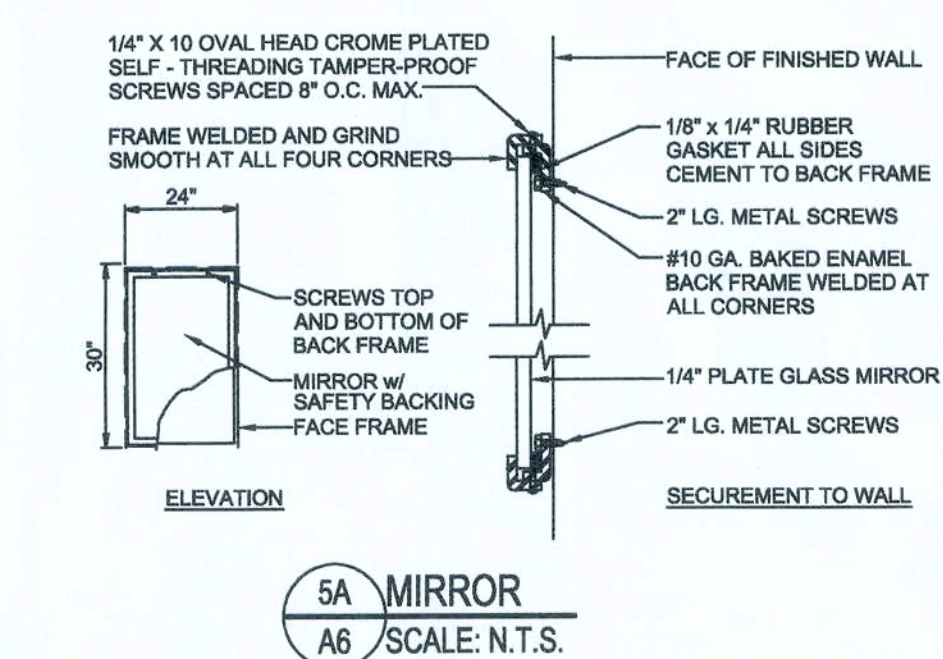
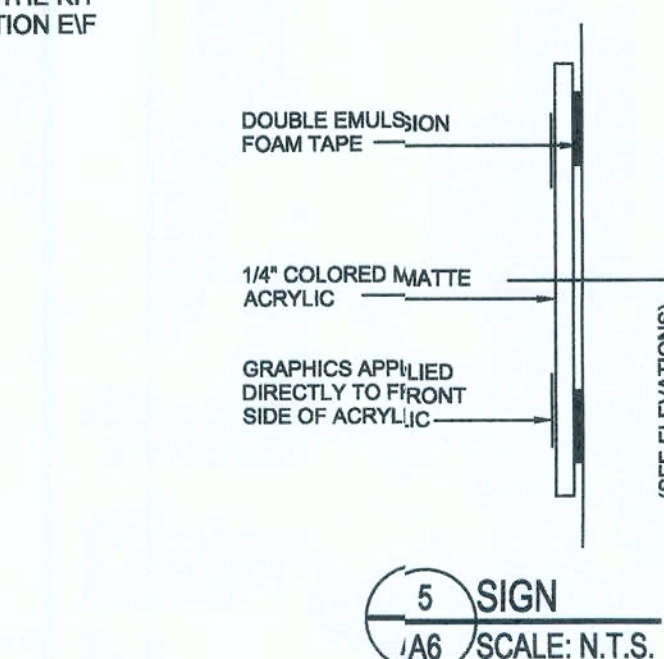
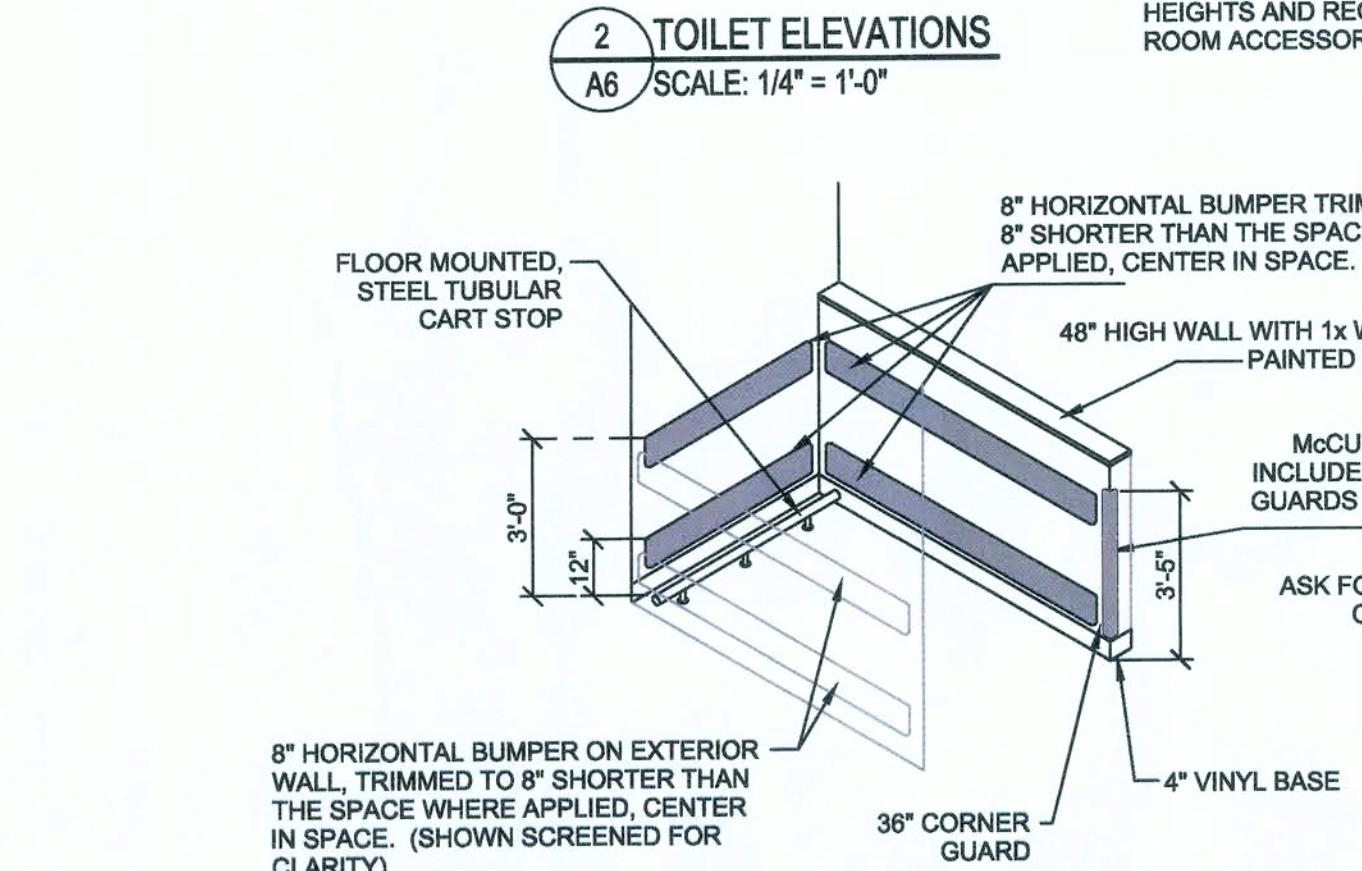
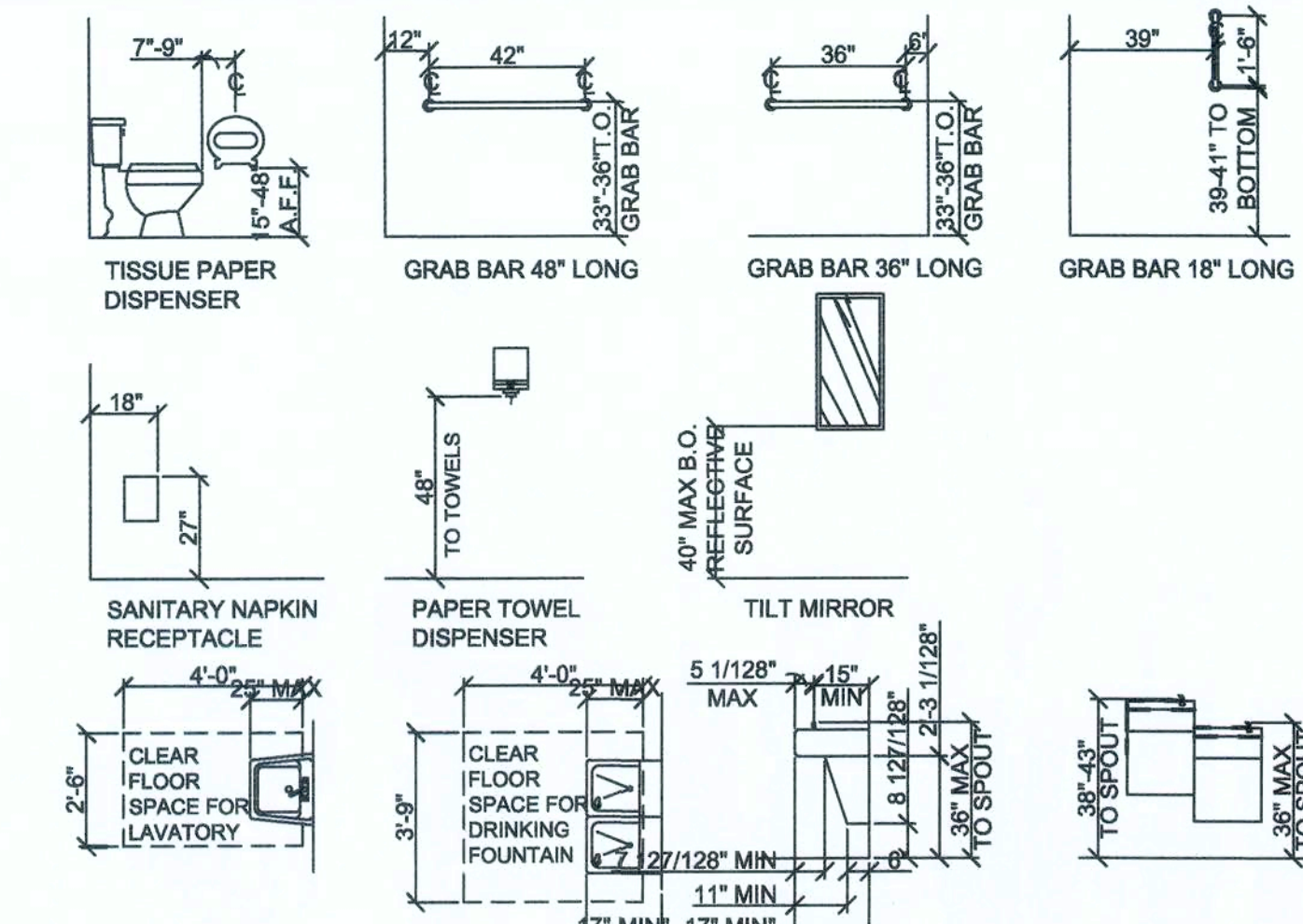
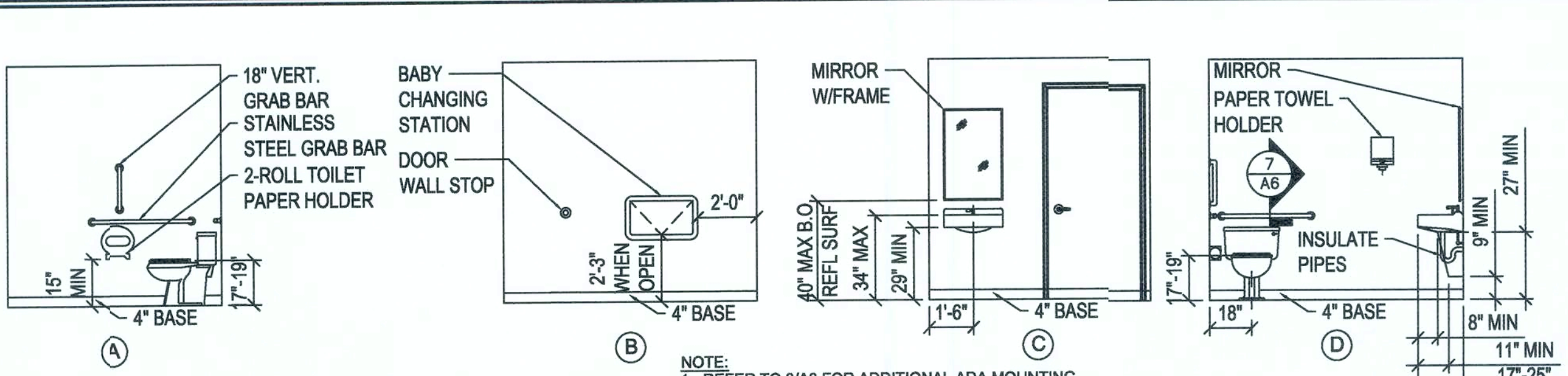
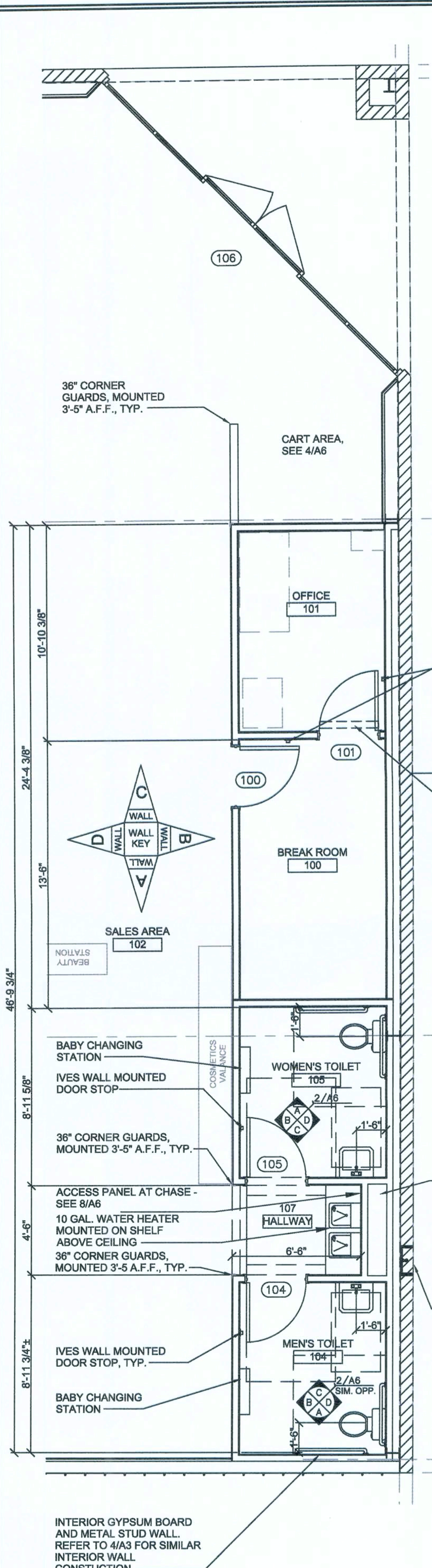
REVISION DATE / REVISED BY:

PROJECT NUMBER:
4000.180

DRAWING TITLE:
DOOR SCHEDULES & DETAILS

SHEET NO.

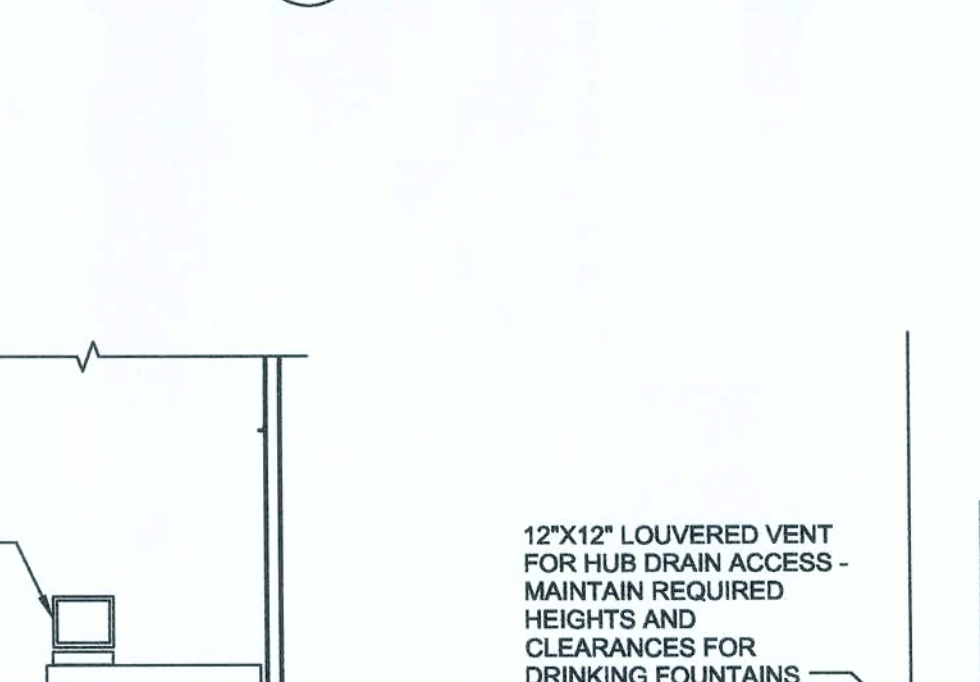
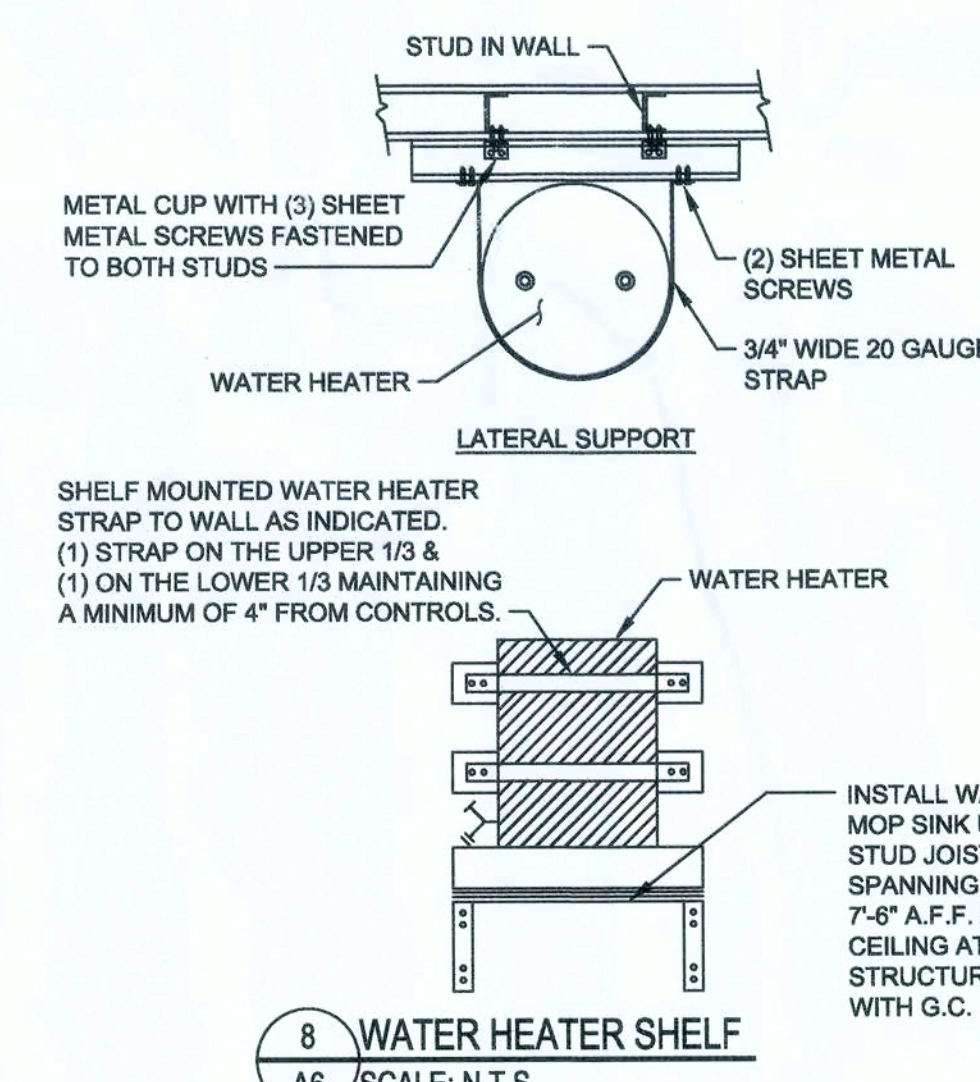
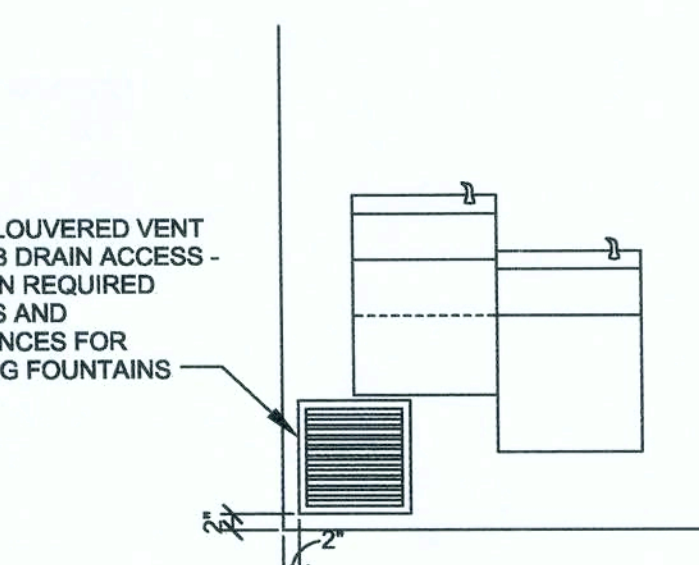
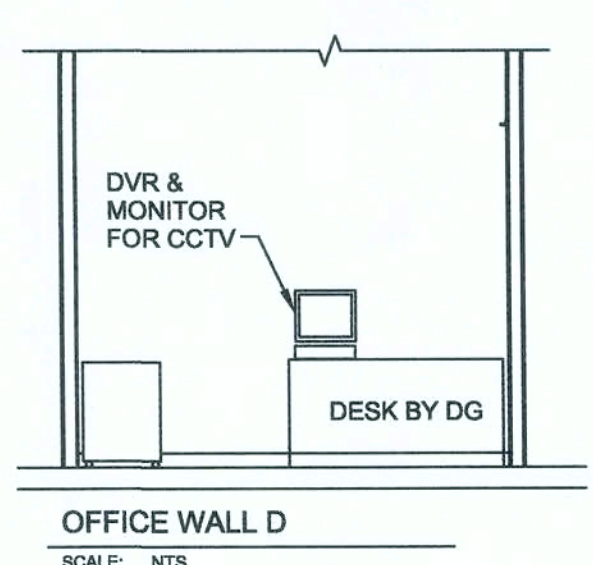
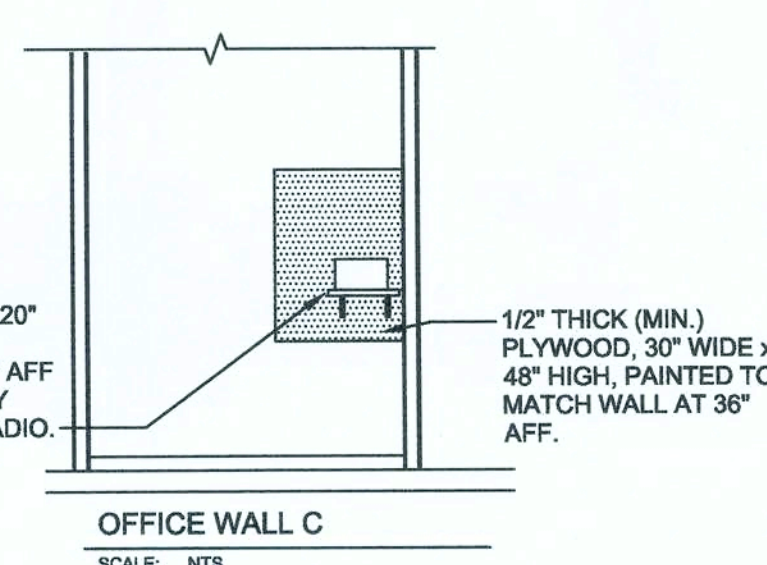
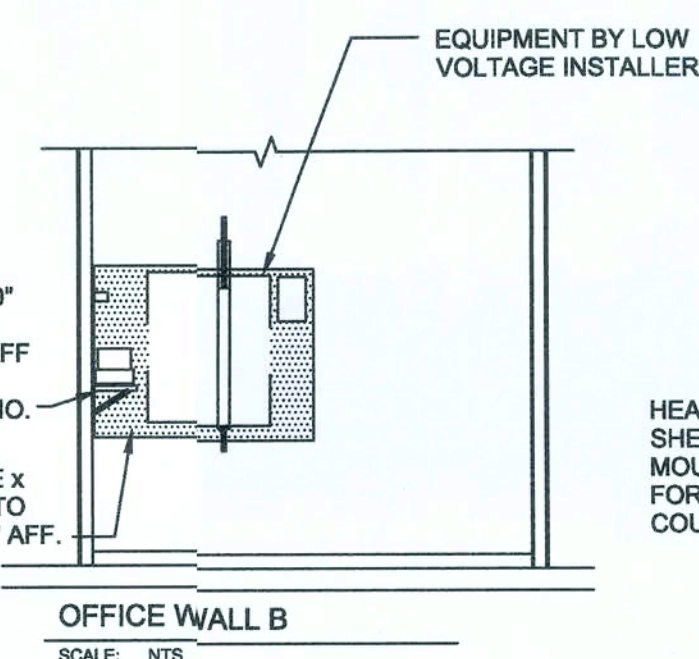
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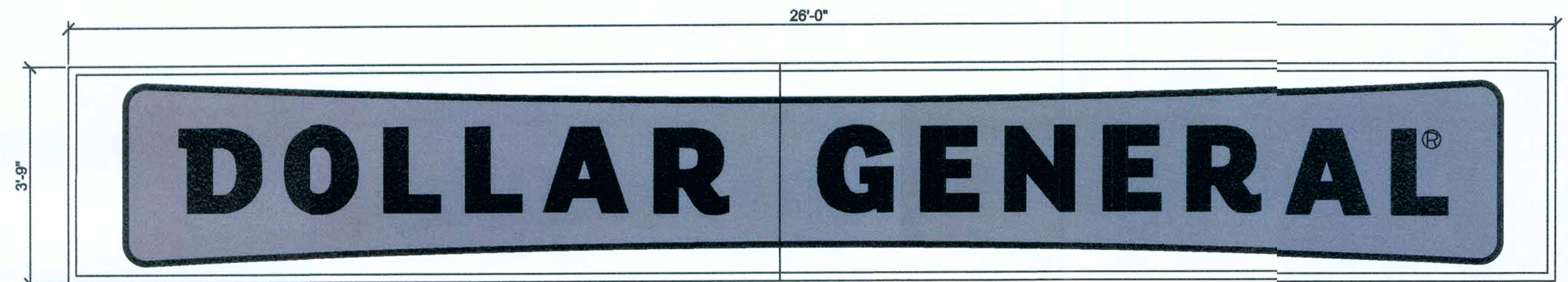
TOILET ROOM ACCESSORIES

B2740	BOBRICK DOUBLE TOILET TISSUE DISPENSER
B253	BOBRICK PAPER TOWEL DISPENSER
A-24x36	GAMCO 24" X 36" ANGLE FRAME MIRROR
150Sx36	GAMCO 1 1/2" X 36" GRAB BAR
150Sx42	GAMCO 1 1/2" X 42" GRAB BAR
150Sx18	GAMCO 1 1/2" X 18" GRAB BAR
MS-1	GAMCO MOP HOLDER

- TOILET ROOM NOTES:**
- ALL TOILET ROOM ACCESSORIES PROVIDED BY CONTRACTOR.
 - ALL STORES MUST INCLUDE 2 REST ROOMS, EVEN WHEN NOT REQUIRED BY CODE. ANY VARIATION MUST BE APPROVED, IN WRITING, BY THE DOLLAR GENERAL CONSTRUCTION DEPARTMENT.
 - RESTROOMS MUST COMPLY WITH ALL BUILDING (FEDERAL, STATE, AND LOCAL) FIRE, AND HEALTH DEPARTMENT CODES. ADA REQUIREMENTS MUST ALSO BE MET IN BOTH RESTROOMS. SOME CODES MAY REQUIRE ADDITIONAL TOILETS OR LAVATORIES. PLEASE CONTACT DOLLAR GENERAL CONSTRUCTION DEPARTMENT FOR ALTERNATE PLANS FOR THESE SITUATIONS.
 - PROVIDE AND INSTALL 2x3' MIRROR (OR LARGER IF REQUIRED BY CODE).
 - CONTRACTOR TO INSTALL SOAP DISPENSERS, TOILET PAPER HOLDERS, DOOR CLOSER, EXHAUST FANS, AND ALL BASS SECURITY PARTS IN BOTH RESTROOMS. PROVIDE SOLID BLOCKING IN WALL FOR SUPPORT.



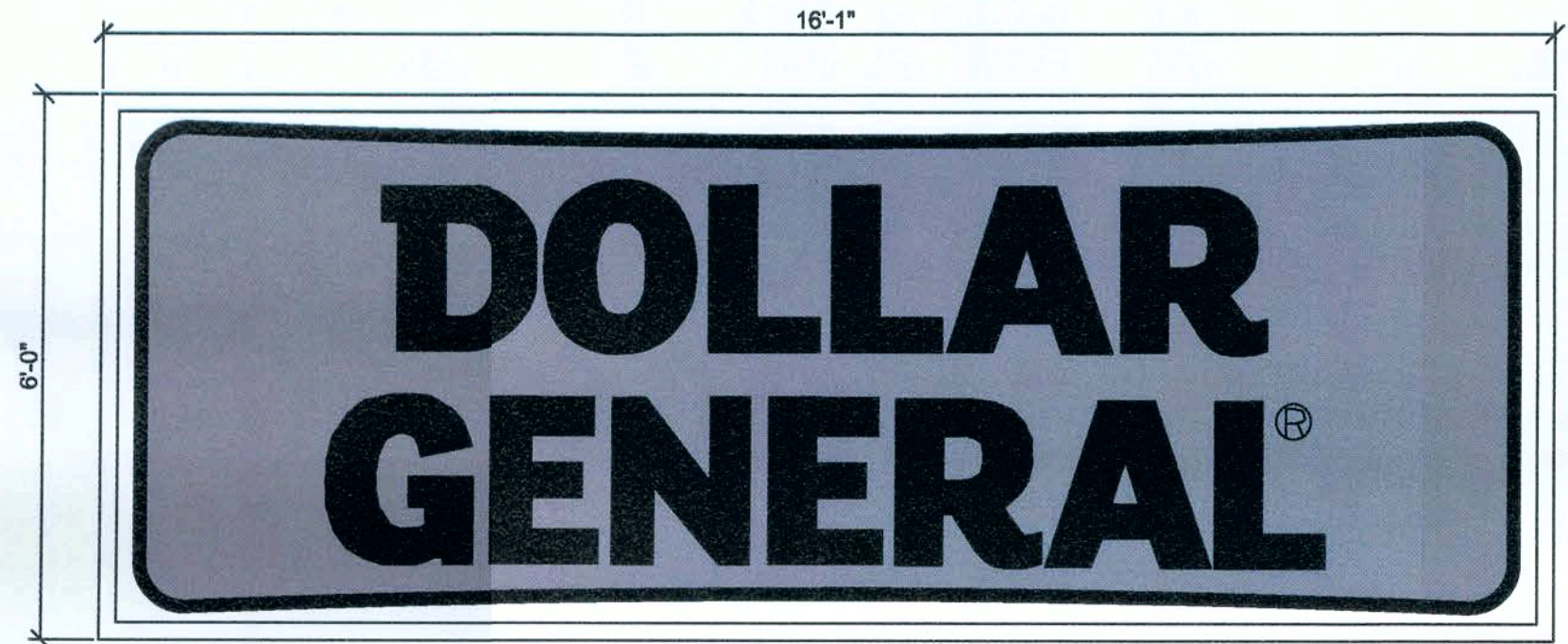
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DESIGN AND PERMIT BY OTHERS



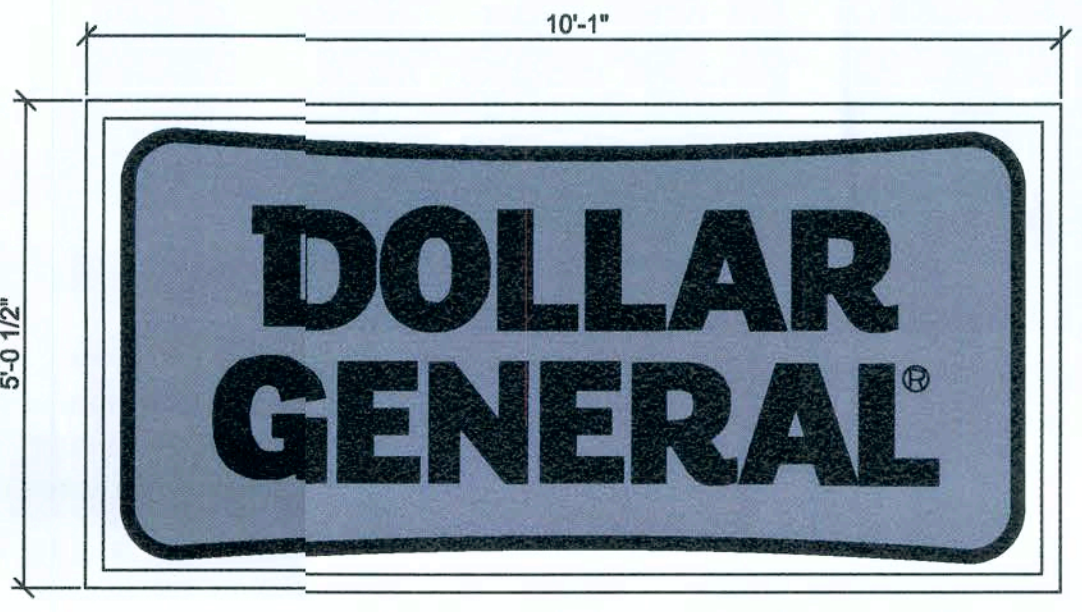
PROTOTYPICAL MAIN BUILDING SIGN FOR 'A', 'B', 'E' & 'F' SCHEMES



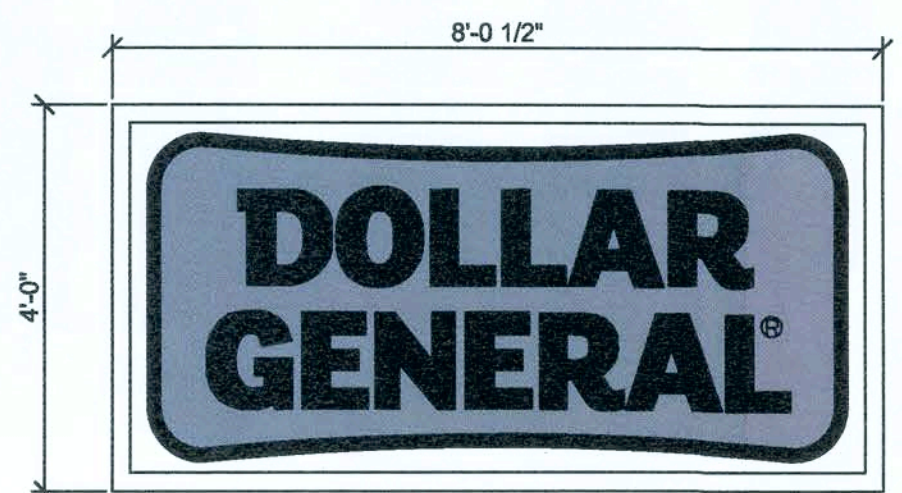
PROTOTYPICAL MAIN BUILDING SIGN FOR 'C' & 'D' SCHEMES



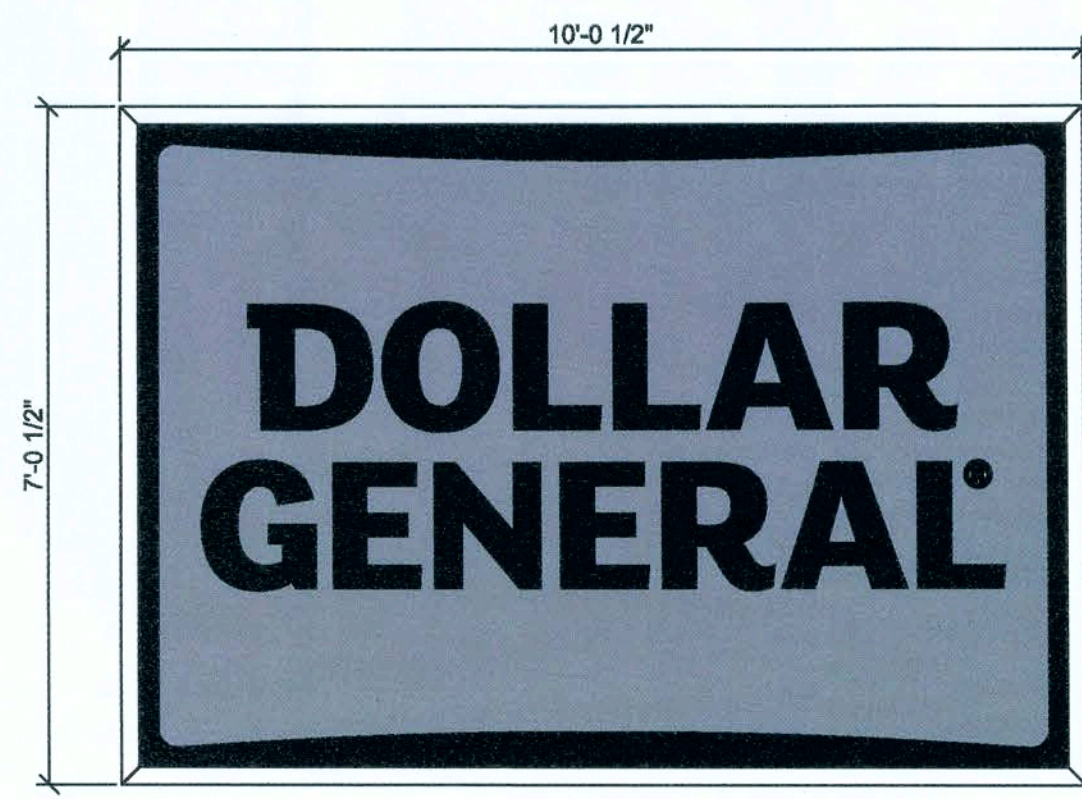
THIS IS THE PRIMARY PYLON SIGN FOR ALL LOCATIONS.



THIS SIGN IS FOR SPECIALTY USE ONLY.



THIS SIGN IS FOR SPECIALTY USE ONLY.



THIS SIGN IS FOR SPECIALTY USE ONLY.



THIS SIGN IS TO BE PROVIDED AND INSTALLED BY THE DEVELOPER OR CONTRACTOR AT THE BEGINNING OF CONSTRUCTION PROJECT.

- SIGN SPECIFICATIONS**
1. BUILDING SIGNS: PROVIDE CONDUIT AND WIRE FROM ELECTRICAL PANEL TO THE SIGN CANOPY. THE CONDUIT IS TO BE 1" AND HAVE ONE SET OF 10/2 WIRE WITH GROUND. BUILDING CANOPY MUST BE SUFFICIENTLY BUILT TO SUPPORT THE DOLLAR GENERAL SIGN OF UP TO 1400 LBS. NOTE: IF THE LEASE SPECIFIES A 5'-0" X 40'-0" BUILDING SIGN OR 24" LETTER SET (OR LARGER), 2 qty. - 10/2 WIRE WITH GROUND.
 2. PYLON SIGNS: PROVIDE CONDUIT FROM ELECTRICAL PANEL TO LOCATION OF THE PYLON SIGN BASE. BURY CONDUIT UNDER PARKING AREA. THE CONDUIT IS TO BE 1" AND HAVE ONE SET OF 10/2 WIRE WITH GROUND.
 3. FINAL ELECTRICAL CONNECTIONS FOR SIGN SHALL BE THE SIGN VENDORS RESPONSIBILITY SINCE THE 'J' BOX AND WIRES ARE IN PLACE.
 4. SEE CHART ABOVE FOR SIGN SPECIFICATIONS.
 5. SEE SHEET A8 FOR SIGN BRACING DETAILS.
 6. PYLON SIGN CABINETS TO CLEAR 15' FROM GRADE AND EDGES SHALL BE LOCATED NO CLOSER THAN 10' TO ANY OVERHEAD UTILITY LINES.

Building Signs

Sign Size	Sign Weight	# Of Circuits	Amps	Voltage
3' x 23' box	380 lbs.	(1) 15 A	2.5	115
3'-9" x 26' box	441 lbs.	(1) 15 A	5	115
4'-6" x 33'-3" box	750 lbs.	(1) 15 A	8.4	115
5' x 40' box	1220 lbs.	(1) 15 A	10	115

Building Letters

Sign Size	Sign Weight	# Of Circuits	Amps	Voltage
18"	215 lbs.	(2) 15 A	19.6	115
24"	288 lbs.	(1) 15 A & (1) 20 A	23.45	115
30"	387 lbs.	(2) 20 A	28	115
36"	649 lbs.	(2) 15 A & (1) 20 A	32.9	115

Pylon Signs

Sign Size	Sign Weight	# Of Circuits	Amps	Voltage
4' x 8'	188 lbs.	(1) 15 A	1.7	115
5' x 10'	375 lbs.	(1) 15 A	3.4	115
6' x 16'	738 lbs.	(1) 15 A	5	115

1 SIGNAGE ELEVATIONS
A7 SCALE: 1/2" = 1'-0"

JAMES BLYTHE
REGISTERED ARCHITECT
RA LEED AP BD+C
3324 W. UNIVERSITY AVE
PMB#151
GAINESVILLE, FL 32607
AR94452

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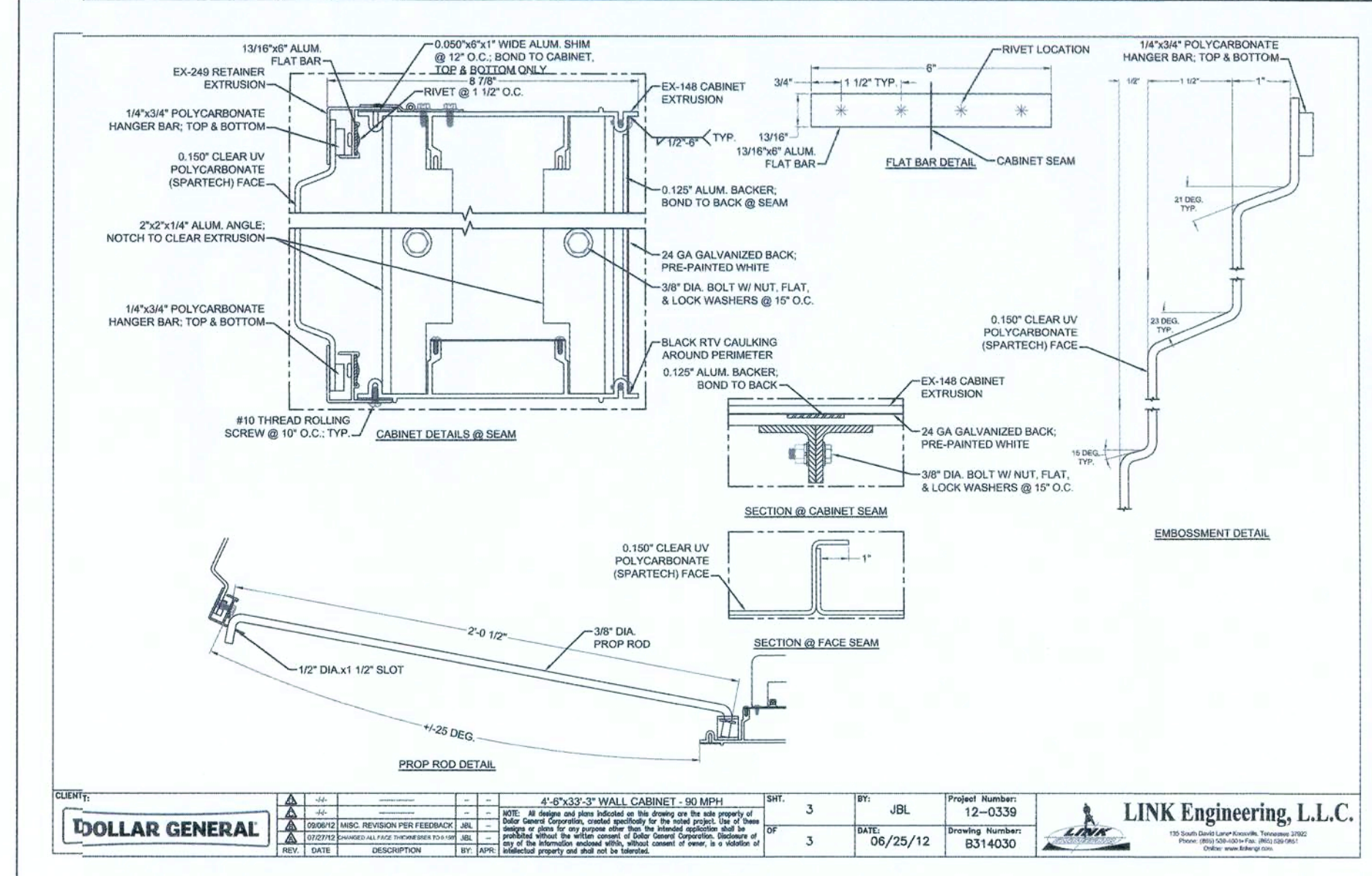
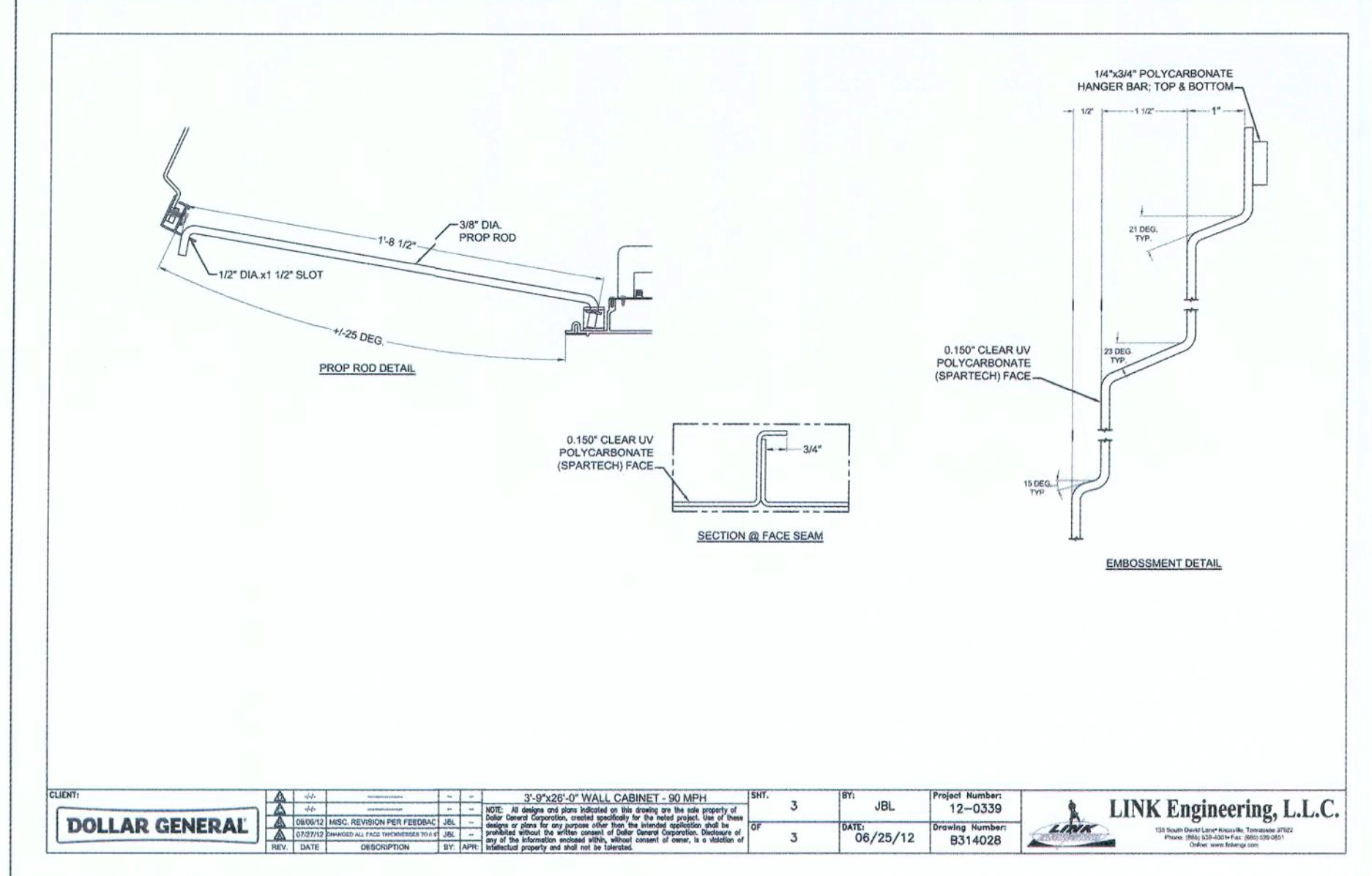
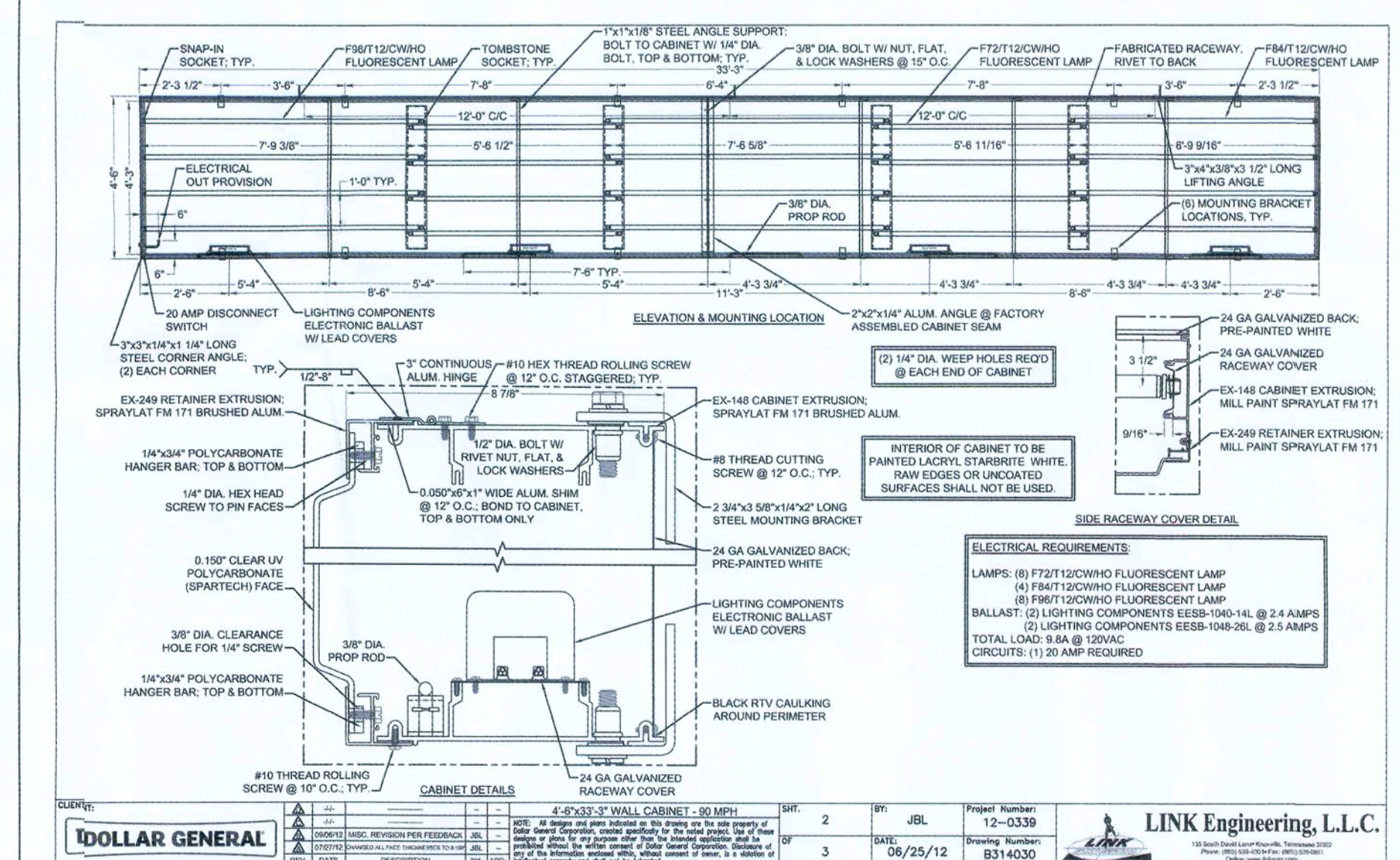
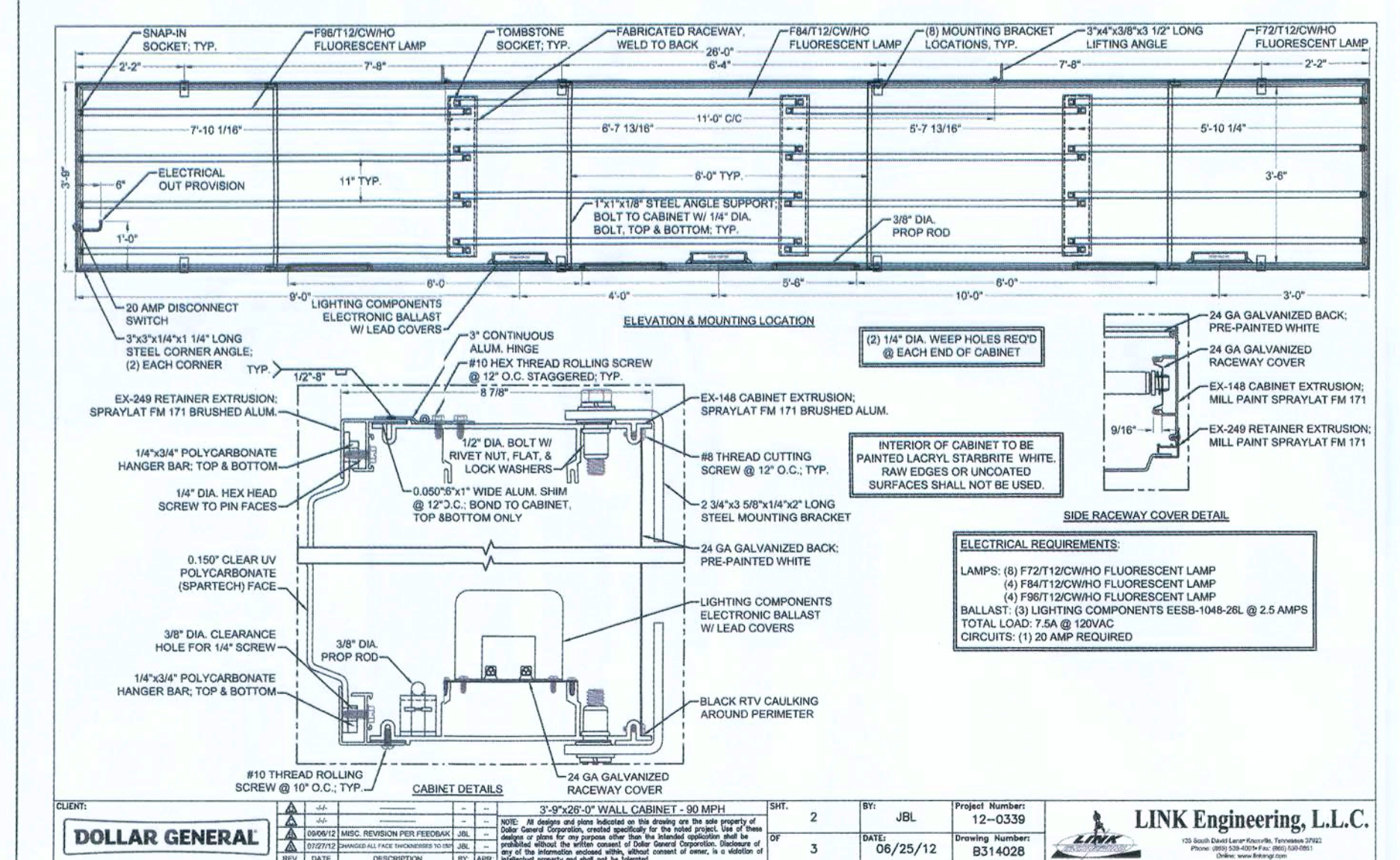
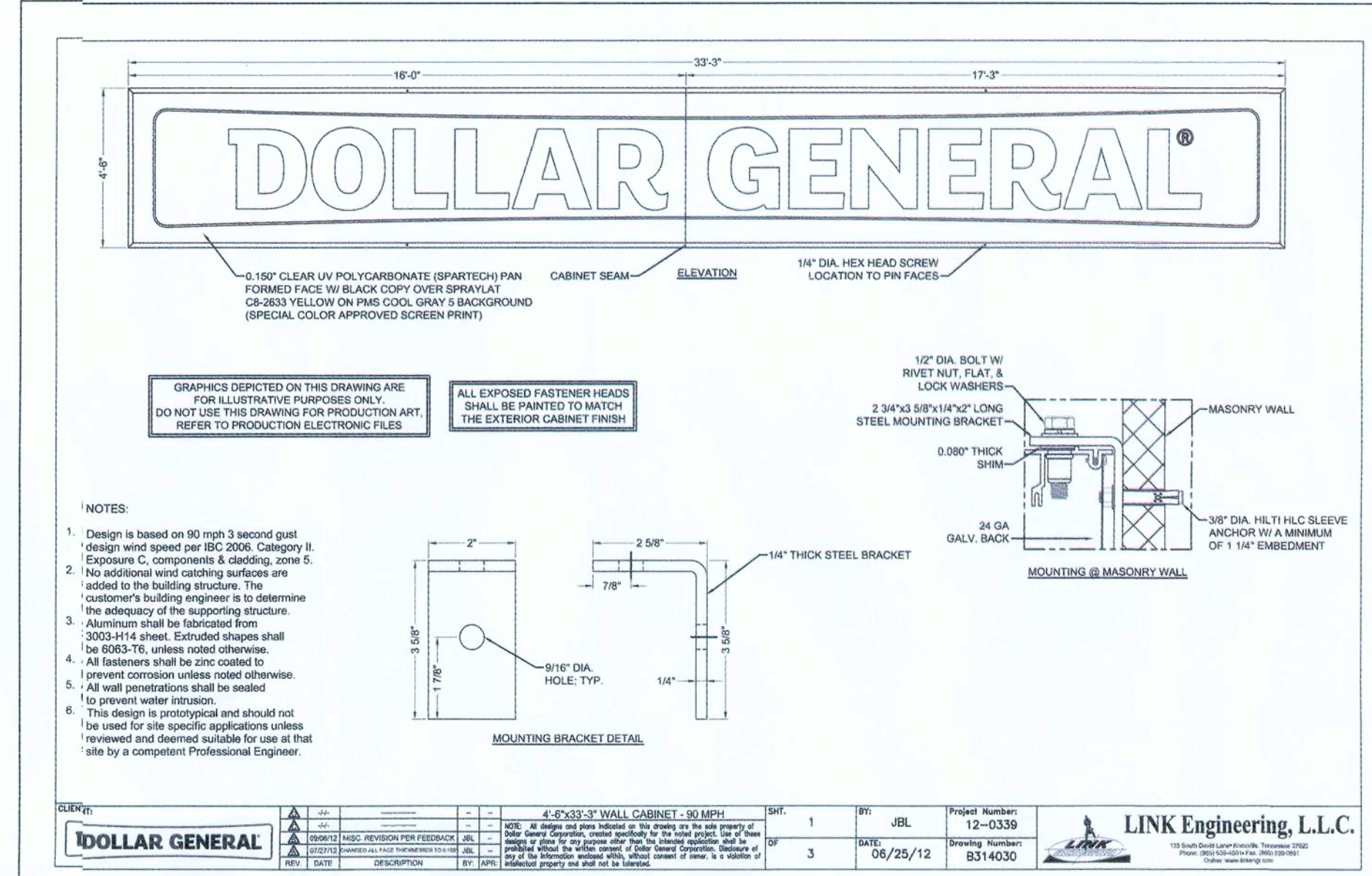
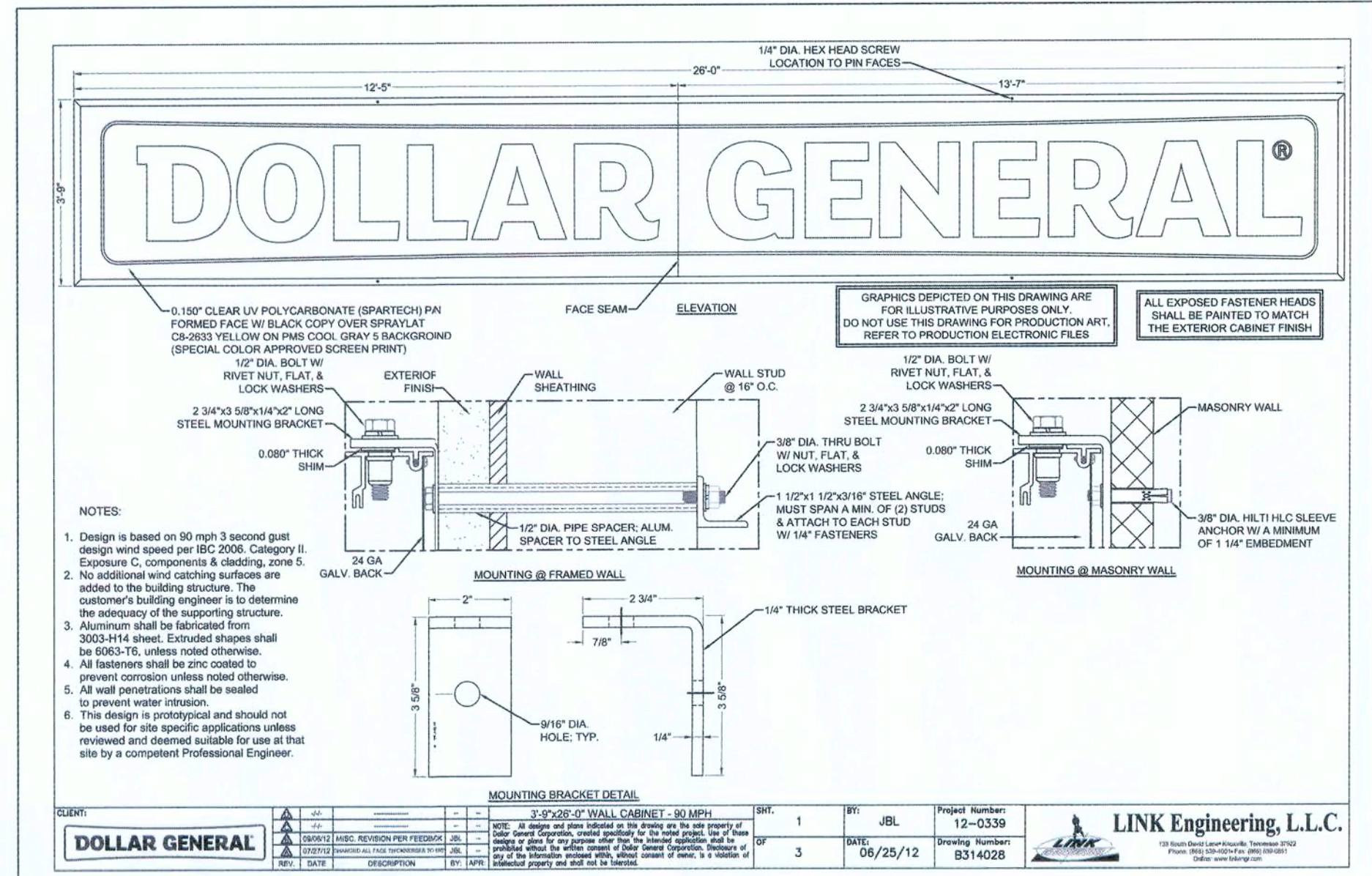
DOLLAR GENERAL
1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 026656
2018 PROTOTYPE - PLAN 9100F - 8,100 SQ. FT.

DRAWING DATE / DRAWN BY:
4/5/19 - JEM
REVISION DATE / REVISED BY:

PROJECT NUMBER:
4000.180
DRAWING TITLE:
SIGN DETAILS
SHEET NO.

A7

FOR REFERENCE ONLY,
DESIGN AND PERMIT BY OTHERS



1 SIGNAGE BRACING DETAILS
A8 SCALE: N.T.S.

JAMES BLYTHE
REGISTERED ARCHITECT
RA LEED AP BD+C
3324 W. UNIVERSITY AVE
PMB# 151
GAINESVILLE, FL 32607
AR94452

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DOLLAR GENERAL

1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055

STORE # 20885
2018 PROTOTYPE - PLAN '9100P' - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
4/5/19 - JEM

REVISION DATE / REVISED BY:

PROJECT NUMBER:
4000.180

DRAWING TITLE:
SIGN BRACING

SHEET NO.

A8

[Signature]
 4/11/19

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DOLLAR GENERAL

1771 NW LAKE JEFFREY RD
 LAKE CITY, FL 32055

STORE # 20685
 2018 PROTOTYPED - PLAN 9100P - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
 4/5/19 - JEM

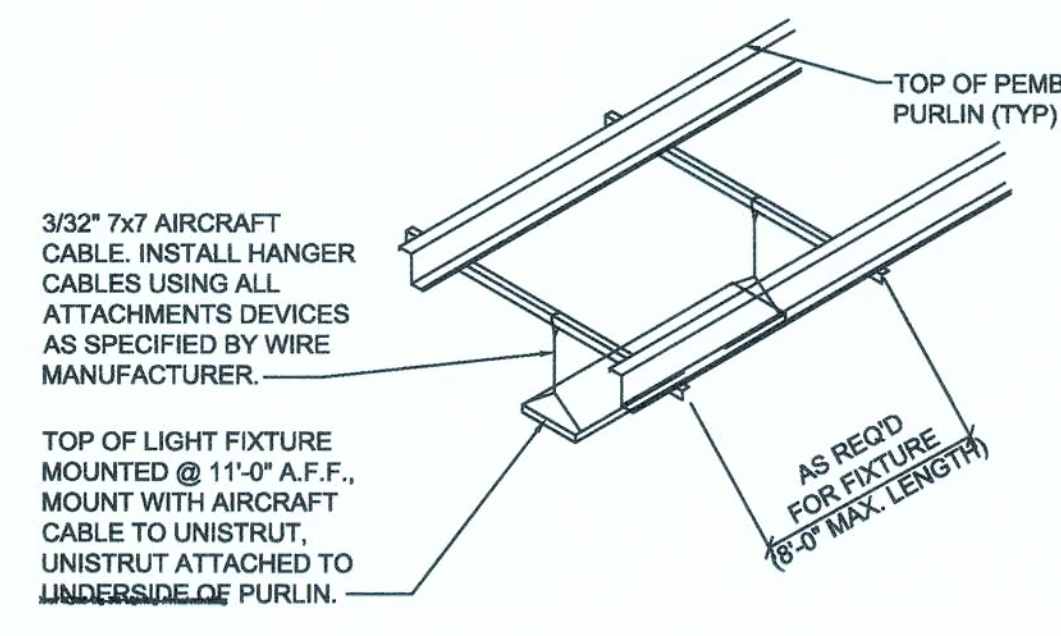
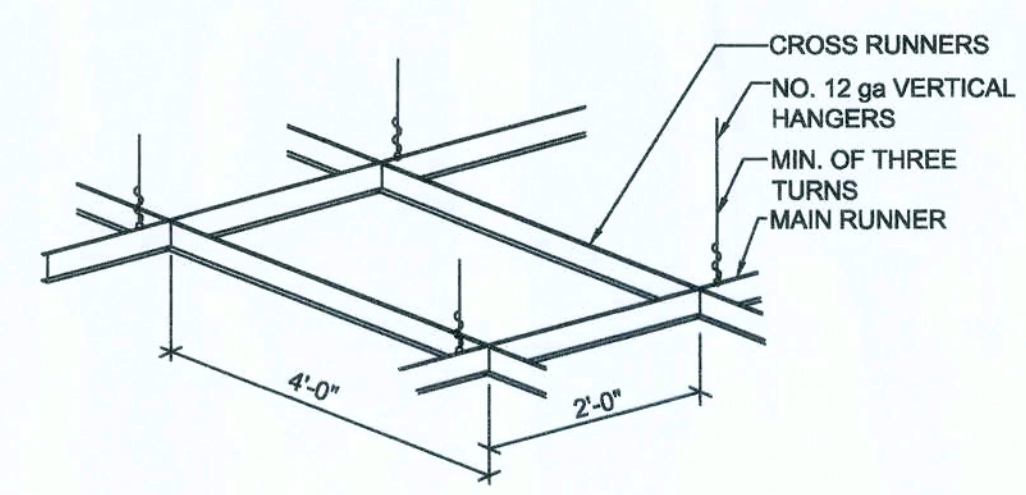
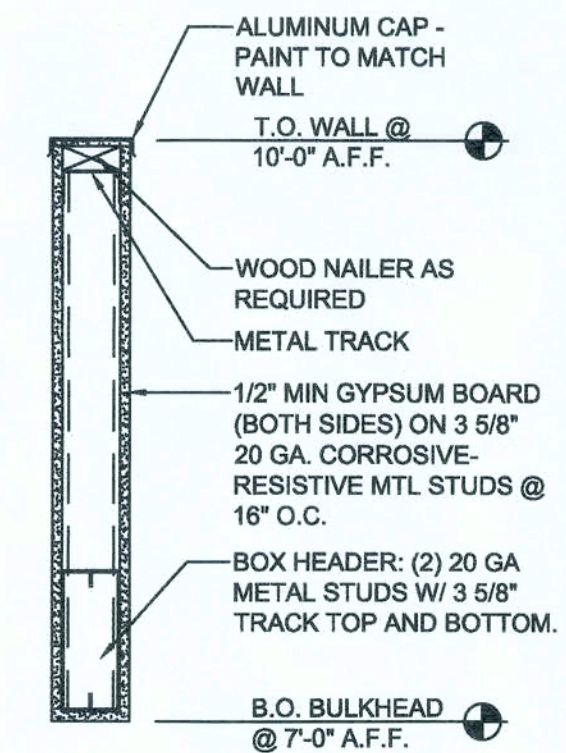
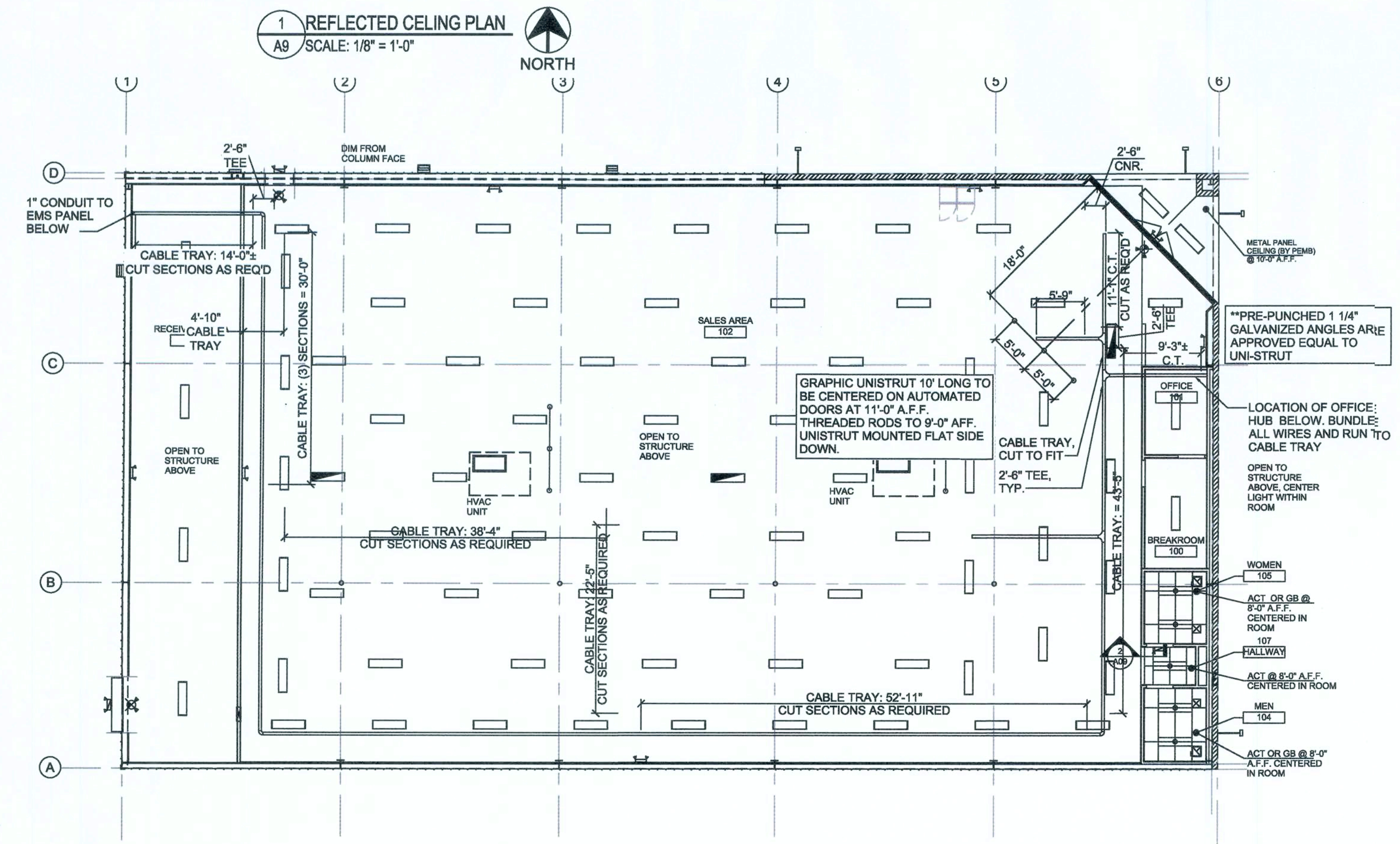
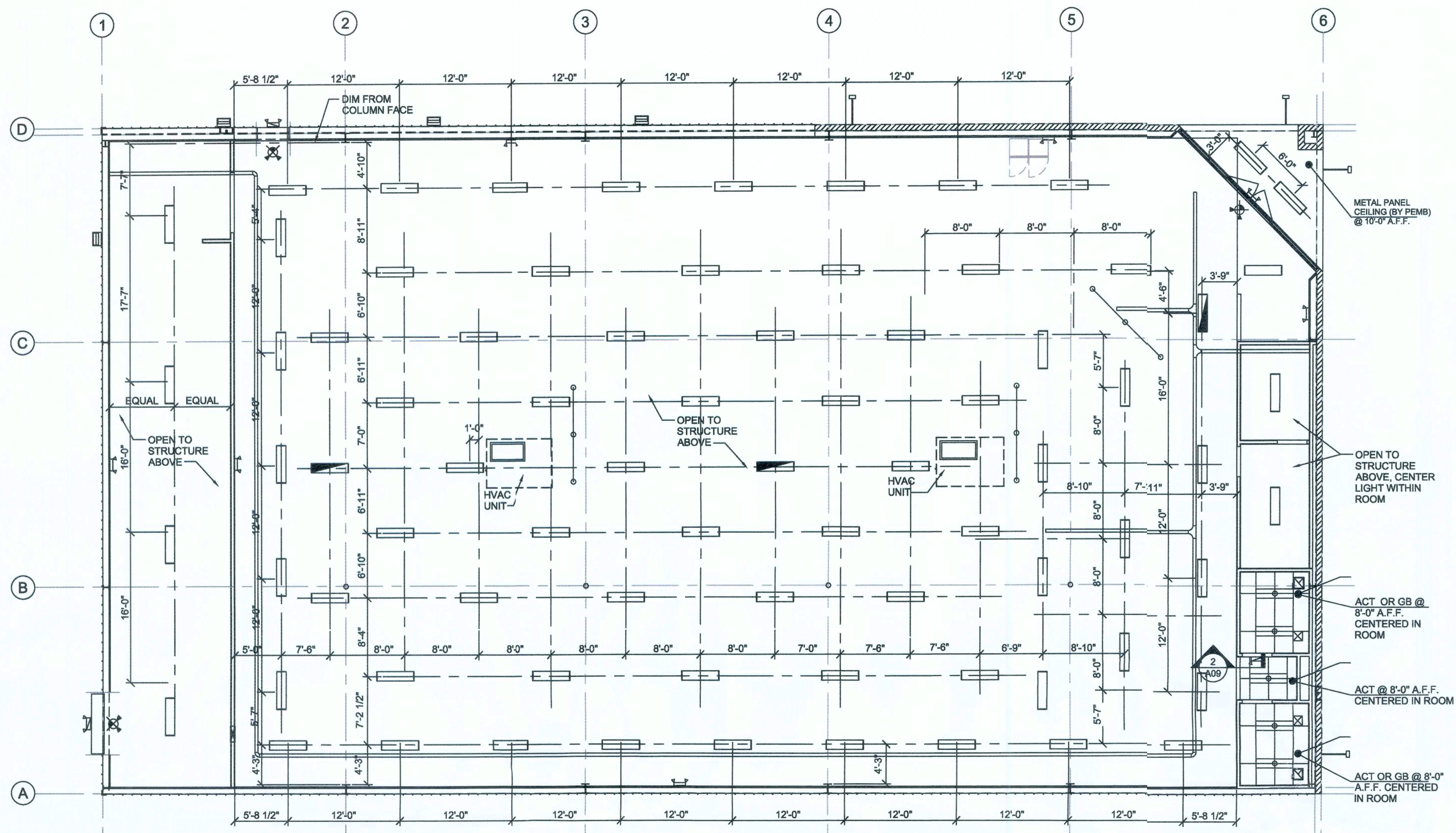
REVISION DATE / REVISED BY:

PROJECT NUMBER:
 4000.180

DRAWING TITLE:
 REFLECTED CEILING PLAN

SHEET NO.

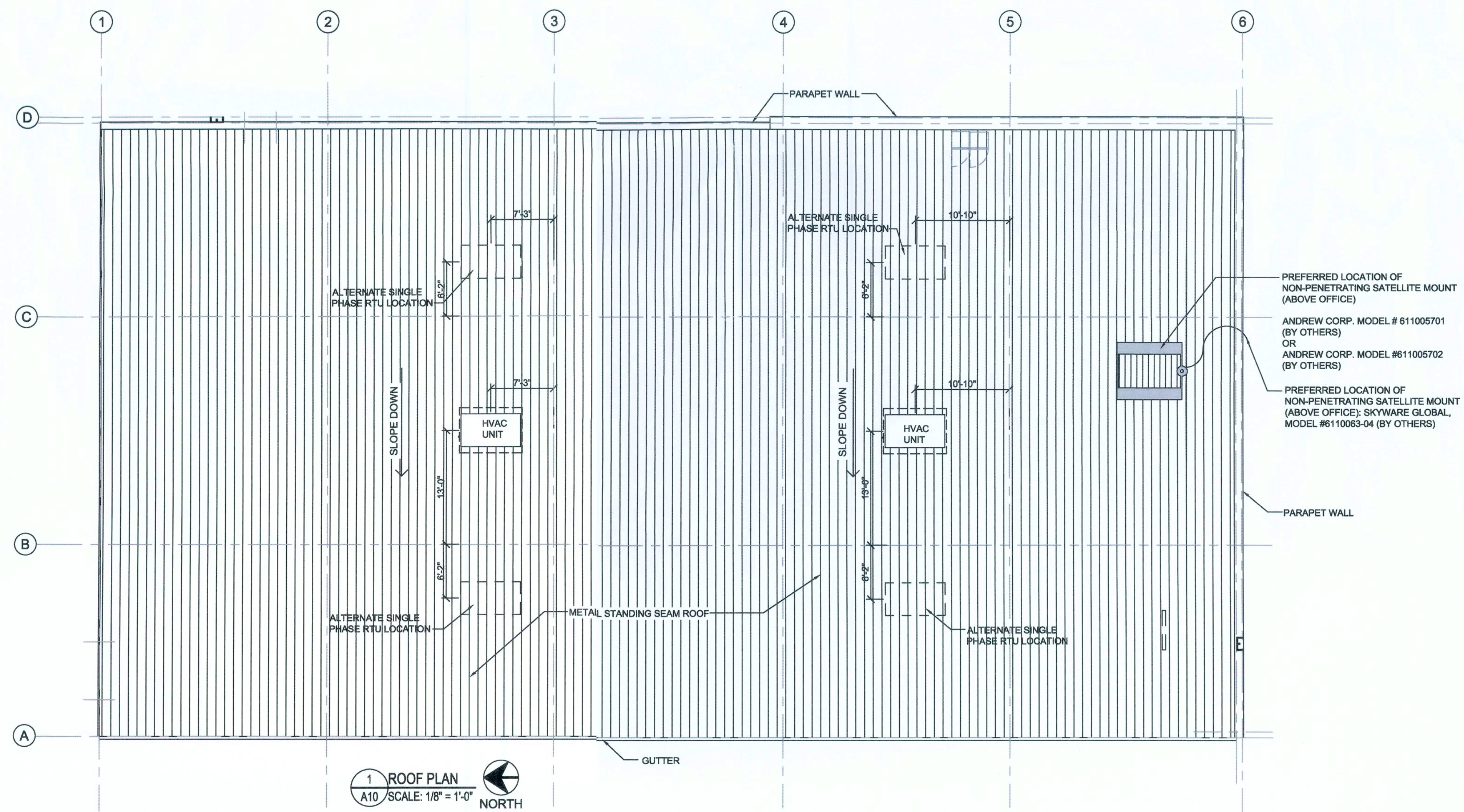
A9



PRE-ENGINEERED METAL BUILDING VENDOR	VP BUILDINGS ATTN: DAVID ENGLISH (901) 748-6103	STAR BUILDING SYSTEMS ATTN: RODNEY BURT (800) 879-7827	NUCOR BUILDING SYSTEMS ATTN: BOB BARRY (315) 822-4440 (260) 837-7891	BIG BEE STEEL BUILDINGS, INC. ATTN: KEVIN BUSLER (800) 633-3378	CHIEF BUILDINGS ATTN: ERIN SULLIVAN (308) 385-4628 (308) 390-8199	PRE-ENGINEERED METAL BUILDING NOTES
EXTERIOR FINISHES						
EXTERIOR FINISHES ARE TO MATCH OR BE EQUAL TO VP METAL BUILDING SYSTEMS FINISH SELECTION.						
GUTTERS	•					
DOWN SPOUTS	•					
SIDE AND REARMETAL WALL PANELS & TRIM, RECEIVING & EMERGENCY EXIT DOORS (EXTERIOR OF DOORS TO BE PAINTED, REFER TO DOOR SCHEDULE)	•					
ARCHITECTURAL BLOCK AT BUILDING FACADE SHOULD BE PRE-FINISHED OR PAINTED (2 COATS LOKON XP MASONRY COATING A24W00 SERIES) TO MATCH THE METAL WALL PANELS	•					
FLAT METAL SO'FIT AT STOREFRONT VESTIBULE AREA		•				
BUILDING PARAPET WALL AND CANOPY	•					
STOREFRONT SYSTEM						
STANDING SEAM METAL ROOF PANELS						
LINER PANELS (INTERIOR SALES AND RECEIVING FLOOR)						
NOTE: 1. REFER TO SHEET T01 FOR ADDITIONAL INFORMATION ON RECOMMENDED NATIONAL ACCOUNT VENDORS. 2. NATIONAL ACCOUNT AND CONTACT INFORMATION SUBJECT TO CHANGE.						

- METAL BUILDING NOTES:**
- THE PRE-MANUFACTURED METAL BUILDING STRUCTURE, CONCRETE FOUNDATION, AND INTERIOR CONCRETE SLAB SHALL BE DESIGNED, DETAILED, FABRICATED, AND CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND REGULATIONS. THE MOST STRINGENT REQUIREMENTS APPLY WHERE INCONSISTENCIES OCCUR BETWEEN THE APPLICABLE STANDARDS. IN THE ABSENCE OF OTHER CRITERIA, LOADINGS SHALL CONFORM TO THE 2006 EDITION OF THE INTERNATIONAL BUILDING CODE.
 - THE SCOPE OF THE PRE-MANUFACTURED METAL BUILDING STRUCTURE SHALL INCLUDE THE DESIGN, ENGINEERING, FABRICATION, DELIVERY, AND ERECTION OF THE COMPLETE STRUCTURAL STEEL FRAMING AND EXTERIOR SKIN PACKAGE. THE METAL BUILDING MANUFACTURER SHALL BE CERTIFIED BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) METAL BUILDING CERTIFICATION PROGRAM.
 - THE FRONT FASCIA SHALL HAVE (3) 12" PURLINS (MOUNTED VERTICALLY SO THAT THE 12" FACE IS AGAINST THE BUILDING METAL SIDING. THESE PURLINS SHALL BE CENTERED OVER THE ENTRANCE AND SPACED 36" APART TO PROVIDE ADEQUATE SUPPORT FOR SIGNAGE WHICH MAY WEIGH UP TO 1,400 LBS.
- ROOF NOTES:**
- METAL ROOF MUST BE A STRUCTURAL STANDING SEAM METAL ROOF WITH MECHANICALLY ROLLED SEAMS. SEAMS TO BE A MINIMUM 1 1/2" HIGH. ALL FASTENERS TO BE CONCEALED.
 - ROOF PANELS TO BE A MINIMUM 24 GAUGE.
 - METAL ROOF SYSTEM TO BE EQUAL TO VP BUILDING SLR II ROOF.
 - CONDENSATE FROM HVAC UNITS TO BE PIPED TO GUTTERS.

NOTE:
 ROOF, HVAC UNITS/CURBS & SATELLITE DISH TO BE RATED FOR 118 MPH EXPOSURE B HURRICANE FORCE WINDS. RISK FACTOR: CATEGORY 2 (TYPICAL).



1 ROOF PLAN
 A10 SCALE: 1/8" = 1'-0" NORTH

JAMES BLYTHE
 REGISTERED ARCHITECT
 RA LEED AP BD+C
 3324 W. UNIVERSITY AVE
 PMB 151
 GAINESVILLE, FL 32607
 AR94452

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DOLLAR GENERAL
 1771 NW LAKE JEFFREY RD
 LAKE CITY, FL 32055
 STORE # 20885
 2018 PROTOTYPE - PLAN 9100P - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
 4/5/19 - JEM
 REVISION DATE / REVISED BY:
 PROJECT NUMBER:
 4000.180
 DRAWING TITLE:
 ROOF PLAN
 SHEET NO.

A10

1) GENERAL
A. The building shall be designed such that there is maintained an absolute minimum of 83'-0" from face-of-column to face-of-column on the sales floor.

2) FOUNDATIONS
A. The concrete foundations shall be designed, detailed and constructed to provide for the safe, serviceable support of the pre-manufactured metal building structure and all prescribed loads applied thereon. The foundations shall conform to the latest editions of all applicable standards of the American Concrete Institute (ACI), the Building Code(s) enforced by the Authority Having Jurisdiction and these requirements.

B. The soils supporting the foundation shall be prepared and compacted in accordance with a geotechnical testing based investigation and site specific recommendations provided by a Professional Engineer registered to practice in the State where the project is located.

C. The slab on grade shall not be utilized to resist horizontal thrust forces at the base of the pre-engineered building frames. The beams below and exterior from the building slab may be utilized.

D. The bearing materials shall be free of organic, expansive or corrosive material, and shall support the foundation in accordance with the following twenty five year criteria:

1. Maximum differential movement due to either settlement or heave shall not exceed 1/2" over a distance of 50 feet.
2. Maximum total movement due to either settlement or heave shall not exceed 1".

E. The foundations shall be of sufficient depth to bear below local frost depth where exposed, attain minimum design bearing pressure, achieve sufficient protection from settlement or heave, and where adjacent to existing construction, avoid application of lateral earth pressures to adjacent construction.

3) SLAB ON GRADE
A. The subgrade for the slab on grade shall be compacted and prepared in accordance with a geotechnical testing based investigation and site specific recommendations provided by a Professional Engineer registered to practice in the State where the project is located. The subgrade shall provide a minimum of 100 pounds per cubic foot (pcf) modulus of sub-grade reaction and shall be proof-rolled to ensure that there are no pumping or soft zones greater than 1/2" (ACI 302, "Guide for Concrete Floor Slab Construction").

B. The slab on grade shall conform to the latest editions of all applicable standards of the American Concrete Institute (ACI), the Building Code(s) enforced by the Authority Having Jurisdiction and these requirements. The slab on grade shall be a minimum of 4" thick and reinforced with a minimum of 6" x 6" x W1.4 x W1.4 welded wire fabric located in the center of the slab.

C. Except at doors at the perimeter of the facility, the slab on grade shall be isolated from the building columns and any perimeter grade beams or walls. The slab on grade shall receive a hard steel trowel finish. Saw-cut contraction joints a minimum of 1/4 the depth of the slab shall be provided in both principal directions across the entire floor slab, spaced no further than 13 feet on center and providing joints with an aspect ratio no greater than 1.5:1. Refer to Control Joint Spacing Plan on Sheet S3. The slab shall be protected from the effects of heat or cold as necessary to avoid any curling of the slab segments.

4) CONCRETE SALES FLOOR PRE-INSTALLATION CONFERENCE
A. At least 20 days prior to the start of the concrete slab construction, the general contractor shall conduct a meeting to review the proposed concrete mix design and to discuss the required methods and procedures to achieve the requirements of this specification. The general contractor shall send a pre-concrete conference agenda to all attendees 20 days prior to the scheduled date of the conference.

B. The general contractor shall require responsible representative of every party concerned with the concrete work to attend the conference, including, but not limited to, the following:
General contractor's superintendent

1. Laboratory responsible for concrete mixes, field quality control and floor tolerance testing
2. Ready-mix concrete producer
3. Concrete contractor
4. Chemical admixture manufacturer
5. Liquid densifier and sealer manufacturer
6. Liquid densifier and sealer applicator
7. Joint filling manufacturer
8. Joint filling applicator

C. Minutes of the meeting shall be recorded, typed and printed by the general contractor and distributed to all concerned parties, including the owner's representative, the architect and the structural engineer, within five days of the meeting.

D. The minutes shall include a statement by the concrete supplier stating that the proposed concrete mix design will produce the concrete quality required by these specifications.

E. The minutes shall include a statement by the concrete contractor that the proposed concrete mix design will provide appropriate workability and setting times, to ensure that the concrete contractor can achieve the requirements of this specification.

5) CONCRETE CONTRACTOR QUALIFICATION
A. The concrete contractor shall include in their bid package to the general contractor, sufficient data, including a minimum of three similar and successful projects that clearly indicate the concrete contractor's ability to successfully perform the work and to achieve the interior sales floor slab tolerances required in this specification. The concrete contractor's team shall have participated in the majority of these projects, and that team shall remain the same through the duration of this project.

6) CONCRETE MATERIALS
A. Portland Cement: ASTM C 150, Type 1. Use one brand of cement throughout the project.

B. Coarse and fine aggregate: ASTM C 33. Combined aggregate gradation for slabs on grade and other designated concrete shall be 8% - 18% for large top size aggregate (1 1/2" or 3/4" for smaller top size aggregate (1" or 3/4") retained on each sieve below the top size and above the no. 100 sieve. Slabs on grade shall have a maximum aggregate size of 1 1/2" for footings and piers 1" and beams 3/4".

C. Prohibited admixtures:
1. Calcium chloride or admixtures containing more than 0.05% chlorides ions are not permitted.
2. Flyash is not permitted.

7) EVAPORATION RETARDER
A. Waterborne, monomolecular film forming, manufactured for application to fresh concrete.

1. Acceptable products:
a. "Booster" by Euclid Chemical - Phil Brandt 877-438-3826

8) CURING MATERIALS
A. Exterior curing: All exterior concrete slabs shall be cured using a liquid membrane-forming curing compound. The liquid membrane-forming curing compound shall meet the requirements of ASTM C1315 with a maximum V.O.C. Content of 700 g/l.

1. Acceptable products:
a. "SuperRes Seal" or "Super Aqua Cure" by Euclid Chemical - Phil Brandt 877-438-3826

B. Interior curing (building not enclosed/sales floor slab is placed first): The interior sales floor slab shall be cured using a reduced odor, dissipating liquid membrane forming curing compound that is formulated from hydrocarbon solvents. The dissipating liquid membrane forming curing compound shall meet the requirements of ASTM C1309 and V.O.C. contents in accordance to EPA 40 CFR, part 59, table 1, subpart D for concrete curing compounds with a maximum V.O.C. content of 350g/l.

1. Acceptable products:
a. "Kure DR VOX" by Euclid Chemical - Phil Brandt 877-438-3826

C. Interior curing (building enclosed/sales floor slab is placed last): The interior sales floor slab shall be cured using a removable, low odor, fast drying liquid membrane forming curing compound. The removable liquid membrane forming curing compound shall meet the requirements of ASTM C1309, AASHTO M 148, USDA compliance and V.O.C. contents in accordance to EPA 40 CFR, part 59, Table 1, subpart D for concrete curing compounds with a maximum V.O.C. content of 350g/l.

1. Acceptable products:
a. "Kure RC" by Euclid Chemical - Phil Brandt 877-438-3826

9) LIQUID DENSIFIER / SEALER FOR INTERIOR SALES FLOOR
A. Liquid densifier / sealer shall be a sodium silicate / silicofluoride blend. Manufacturer of liquid densifier and sealer must be contacted prior to bidding for pricing and application requirements.

1. Acceptable liquid densifier and sealer manufacturer:
a. "Bio-Diamond Hard" by Euclid Chemical - Phil Brandt 877-438-3826
b. "Quartzite 99" by RacoFite Systems - Curtis Turnbull 888-942-3144

B. Approval: All general contractor bidding or negotiating a Dollar General project shall contact Euclid Chemical or RacoFite to obtain a list of approved applicators located within the geographic region of the project. General contractors shall solicit and accept pricing only from those applicators as provided by Euclid Chemical or RacoFite. The approved applicator selected for the initial application of liquid densifier / sealer shall be the same as for the joint filling and additional application of liquid densifier / sealer and polishing process. Within ten days after completion of work, the approved applicator shall furnish Euclid Chemical or RacoFite a copy of the invoice, as well as square footage and coverage rate data confirming that the specified application rates were achieved.

C. Project service: at least 10 days prior to application of liquid densifier and sealer, the general contractor shall notify the Euclid Chemical or RacoFite representative for jobsite service. The representative will be on the project site using the first application of liquid densifier / sealer and will follow the project through to completion.

10) SEMI-RIGID POLYUREA JOINT FILLER
A. UV Resistant, semi-rigid polyurea joint filler shall be a two (2) component, 100% solids compound, with minimum Shore "A" hardness of 80. Joint filler color shall match the adjacent concrete surface.

1. Acceptable semi-rigid polyurea joint filler manufacturer:
a. "Bio-Diamond Hard" by Euclid Chemical - Phil Brandt 877-438-3826

B. Non-UV Resistant, semi-rigid polyurea joint filler shall be a two (2) component, 100% solids compound, with a minimum Shore "A" hardness of 75. Joint filler color shall match the adjacent concrete surface.

1. Acceptable semi-rigid polyurea joint filler:
a. "CureFill Pro 75" by CareCrete - Curtis Turnbull 888-942-3144

C. Approval: All general contractor bidding or negotiating a Dollar General project shall contact the Euclid Chemical company or RacoFite to obtain a list of approved applicators located within the geographic region of the project. General contractors shall solicit and accept pricing only from those applicators as provided by Euclid Chemical or RacoFite. The approved applicator selected for the initial application of liquid densifier / sealer shall be the same as for the joint filling and additional application of liquid densifier / sealer and polishing process.

11) CONCRETE MIXES
A. Comply with ACI 301 requirements for concrete mixtures.

B. Concrete mix design shall be proportional according to ACI 301, for normal-weight concrete determined by either laboratory trial mix or field test data as follows:

1. Compressive strength (28 days): 4000psi (27.6mpa), with a maximum water/cement ratio of .53, unless otherwise indicated on the drawings. Concrete materials included in the mix design shall be the same materials provided in the project, and shall be prepared by an independent testing laboratory approved by the owner. If sufficient backup data is not available, the laboratory mix design shall exceed the desired job strength of concrete by 1,200psi. Four copies of the mix design shall be submitted to the owner before concrete work begins.
2. Slump: Concrete containing mid or high range water reducer shall have a maximum slump of 59" for the interior sales floor slab and 8" (200 mm) for other areas. All other concrete shall not exceed 4 inches (100 mm) unless otherwise indicated on the drawings.
3. Adjustment to concrete mixes: Mix design adjustments may be requested by General Contractor when characteristics of materials, job conditions, weather, test results or other circumstances warrant; at no additional cost to owner and as accepted by owner. Laboratory test data for revised mix design and strength results must be submitted to and accepted by owner before using in work. Both the concrete testing and inspection agency and the concrete contractor shall satisfy themselves that the concrete mix design will produce a concrete which will meet the specifications for this project. In addition, the General Contractor and Concrete Contractor shall verify that the workability, finishability and setting times are appropriate for slab installation. Placement shall be made directly from concrete trucks by chute. If pumping of the concrete is contemplated for any special locations, the properties established above shall not be altered to suit the capabilities of the pumping equipment. For concrete containing macro-synthetic fibers, adjustments required to provide required placement conditions may warrant use of additional water reducer. No additional water is permitted into concrete mixture after addition of macro-synthetic fibers.



Concept Construction

Submittal No.: 28464

Date Issued: 4/19/2012

Mix Number	Description	Use
1410646	4000 psi in 28 days - Regular (564 lb. binder min.)	

Please Note: You must use Mix Code for ordering purposes.

The above mix has been proportioned in accordance with the applicable portions of ACI 211 and your verbal request.

The proposed mix design will meet the stated strengths when test specimens are manufactured and tested in accordance with current ASTM standards and evaluated per ACI recommended standards and practices.

CEMEX requests copies of all approved mix design prior to jobsite delivery. In order to comply with ACI 318-11 Paragraph 5.3, we request that CEMEX be included on the distribution list for all Concrete Test Reports.

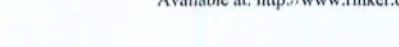
It is suggested that a pre-pour conference be held at the jobsite prior to jobsite delivery. The purpose of the meeting would be to answer any questions regarding responsibilities in scheduling and jobsite operations.

Please forward this information and data to the proper authorities for approval.

Scott Emerson
Mix Design Specialist

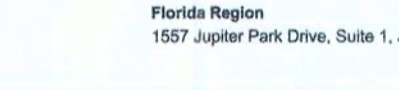
Enclosures: Backup Data

M.S.D.S. for Ready Mixed Concrete:
Available at: <http://www.rimaker.com/Tools/MSDS/index%20-%20Concrete.pdf>



Florida Region

1557 Jupiter Park Drive, Suite 1, Jupiter, FL 33458, U.S.A. (561) 745-5240 Fax (561) 746-1727



Florida Region

1557 Jupiter Park Drive, Suite 1, Jupiter, FL 33458, U.S.A. (561) 745-5240 Fax (561) 746-1727

NATURAL SANDI AGGREGATE PROPERTIES

MINE	TYPICAL GRADING (% FINER)				
	UNION	474	JOSUA	MARION	GATOR
FOOT MINE NO.	GA-397	11-283	16-277	36-296	16-564
MATERIAL TYPE	NATURAL	NATURAL	NATURAL	NATURAL	NATURAL
SIEVE SIZE					
2.0 in.					
1 1/2 in.					
1.0 in.					
3/4 in.					
#4	100.0	100.0	100.0	100.0	100.0
#8	99.9	100.0	100.0	100.0	99.9
#16	97.5	99.7	97.0	98.0	99.9
#30	88.8	92.8	92.0	92.0	91.6
#50	61.6	58.9	65.0	62.0	62.3
#100	18.1	22.9	20.0	22.0	27.3
#200	1.7	2.7	4.0	4.0	4.6
#400	0.2	0.1	0.0	0.0	0.1

MINE	TYPICAL GRADING (% FINER)			
	WEIRSDALE	GRANDIN	LAKE WALES	PALMDALE
FOOT MINE NO.	36-491	76-349	16-078	06-485
MATERIAL TYPE	NATURAL	NATURAL	NATURAL	NATURAL
SIEVE SIZE				
2.0 in.				
1 1/2 in.				
1.0 in.				
3/4 in.				
#4	100.0	100.0	100.0	100.0
#8	99.0	98.0	99.3	99.5
#16	67.0	68.0	94.2	81.0
#30	59.0	61.0	65.6	60.4
#50	28.0	26.0	28.1	24.3
#100	2.0	4.0	3.8	2.4
#200	0.0	0.0	0.1	0.1



MIX CODE : 1410646 Mix Code must be used when ordering concrete.

DESCRIPTION : 4000 psi in 28 days - Regular (564 lb. binder min.)

CLIENT : Concept Construction

USE :

Material	Source	Description	Spec. Grav.	Weight (lb.)
Type I/II	CEMEX	ASTM C-150, Type III Cement	2.15	564
Fine Aggregate	CEMEX	ASTM C-33, Natural Sand	2.63	1,266
Coarse Aggregate	CEMEX	ASTM C-33, 875 Limestone	2.45	1,753
Water Reducer & Retarder	W.R. Grace	ASTM C-494, Type D, WRDA 60		
Potable		ASTM C-94, Potable 33.0 Gal.	1.00	275
TOTAL				3858

Specified Slump: 3.00 To 5.00 in. Designated Unit Weight: 143.0 lbs./cu.ft.

Specified Air: 2.00 % Designated W/C Ratio: 0.49

NOTES: CEMEX has no knowledge or authority regarding where this mix is to be placed. Therefore, it is the responsibility of the project architect/engineer, and/or contractor to ensure that the above designed mix parameters of compressive strength, water cement ratio, cement content, and air content are appropriate for the anticipated environmental conditions (ie. ACI-318-11 Chapter 4, and the local Building Codes).

Chemical admixtures are added in accordance with the manufacturer's recommendations.

Design mix cementitious content is stated as a minimum, and CEMEX reserves the right to increase cementitious content. CEMEX also reserves the right to adjust aggregate weights to maintain design aggregate volumes.

COMMENTS: * The air content of this mix is entrapped only.

Scott Emerson
Mix Design Specialist

Enclosures: Backup Data

M.S.D.S. for Ready Mixed Concrete:
Available at: <http://www.rimaker.com/Tools/MSDS/index%20-%20Concrete.pdf>



Florida Region

1557 Jupiter Park Drive, Suite 1, Jupiter, FL 33458, U.S.A. (561) 745-5240 Fax (561) 746-1727



Florida Region

1557 Jupiter Park Drive, Suite 1, Jupiter, FL 33458, U.S.A. (561) 745-5240 Fax (561) 746-1727

MILL TEST REPORT

Cement Type: Type I & Type II
Source: T. S. Baker Plant

Slotes: 1, 2, 4, & 7
Issued - April 09, 2012

Course Aggregate: ASTM C-150, Type III
Fine Aggregate: ASTM C-33 Natural Sand

Admix: ASTM C-494, B/D, W. R. Grace, WRDA
AEA/ASTM C-266, W. R. Grace, Durex

FLORIDA DOT 921 & AASHTO M-88

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FLORIDA DOT 921 & AASHTO M-88

12) FLOOR SLAB FINISH AND TOLERANCES:

- A. General: Unless otherwise noted by owner, concrete sales floor slab shall be cast in one continuous placement. Concrete shall be placed, screeded, re-straightened, and finished as necessary to meet the FF and FL tolerance requirements. Do not wet concrete surfaces during finishing operations.
B. Trowel finish (sales floor): Apply a hard trowel finish to surfaces as follows:
1. Laser screeds, vibratory screeds, highway straightedges and wood bull floats shall be used to initiate screeding and floating process to form a uniform and open-textured surface before excess moisture or bleed water appears on the surface. A back-up laser screed is required during concrete placement of the interior sales floor slab. Remove excess water before starting floating operations. Do not further disturb surfaces before starting finishing operations.
2. Highway straightedge operations shall continue before, during and after troweling operation, until specified floor tolerances are achieved.
3. Trowel finish with gas operated troweling machine with adjustable blades on all finishing equipment. Use steel-reinforced blades on ride-on power trowels. Trowel the surface sufficiently to produce a smooth, tight, abrasion resistant surface. Care shall be taken not to overwork or burn the surface. Use 6" wide finish style steel-reinforced blades on final passes. Finishing blades shall be in new condition and completely clean of any deleterious materials. Interior machines trowel finish shall be achieved within a 3" tolerance of all walls, columns and partitions.
4. Protection: Care shall be taken to protect the interior sales floor. Entrances shall include clean floor mats to prevent mud stains and all equipment on the floor shall be dispersed to prevent spills. Cutting oils, etc, are not allowed on the sales floor slab at any time during the construction process.
C. Comply with ACI 117, "Specifications For Tolerances For Concrete Construction and Materials." Interior sales floor shall meet the requirements of a type 5, single course, hard steel-troweled finish as described in ACI 302.
1. All perimeter areas and edges of the concrete floor shall exhibit the same finish as the sales floor, including but not limited to, hallways, offices, restrooms, etc.
2. The general contractor is responsible for contracting with the testing laboratory for all costs associated with floor tolerance testing. A copy of the final floor tolerance report shall be provided by the general contractor to the owner within 24 hours of receiving the report from the testing laboratory. The sales floor slab shall conform to the following flatness and levelness criteria:
Flatness Overall Floor Flatness rating of at least 35
Levelness Overall Floor Levelness rating of at least 30
Tolerance Band for Entire Floor +/- 0.375 inch
D. Failure to achieve the above criteria shall be cause for replacement of the offending segments or grinding/polishing at no cost to the Owner or Tenant.
E. Trowel finish (other than sales floor): Apply a hard trowel finish to surfaces indicated and to floor and slab surfaces exposed to view or to be covered with resilient flooring, carpet, ceramic or quarry tile set over a cleavage membrane, paint, or another thin film-finish coating system.
F. Heavy broom finish: As noted on drawings.

13) CONCRETE PROTECTION AND CURING:

- A. General: Normalize concrete set time and protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 308 for low-weather protection and ACI 306 for cold-weather protection during curing. During concrete placement operations, ventilate and exhaust all fumes from construction equipment and fixtures to avoid potential early concrete carbonation. Apply the specified curing compound as quickly as possible for maximum protection. For concrete placement during hot, dry and windy conditions, concrete contractor shall use evaporation retarder as per manufacturer's instructions to maintain a moist condition and to minimize plastic drying shrinkage cracking at the surface of the freshly placed concrete.
1. Curing - Exterior Slabs: The exterior concrete slab shall be cured using the specified liquid membrane-forming curing compound. Per manufacturer's instructions, application shall be applied evenly and uniformly as soon as possible after final finishing. Surfaces shall be clean and damp, but not wet and can no longer be marked by walking workmen. All applications shall be made by an approved applicator of the manufacturer, and when surface and air temperature is above 50° F. Apply "Super Raze Seal" or "Super Aqua Cure" at an application rate of 400sf/gallon. Begin curing immediately after finishing concrete, but not before free water has disappeared from concrete surface.
2. Curing - Interior slabs: The interior sales floor slab shall be cured using the specified dissipating or removable liquid membrane-forming curing compound. Per manufacturer's instructions, application shall be applied evenly and uniformly as soon as possible after final finishing. Surface shall be damp, but not wet and can no longer be marked by walking workmen. All applications shall be made by an approved applicator of the manufacturer, and when surface and air temperature is above 50° F. Apply "Kurex DR VOX" (slab finish) or "Kurex KC" (slab last) at an application rate of 350sf/gallon. Begin curing immediately after finishing concrete, but not before free water has disappeared from concrete surface.

14) CONTRACTION JOINTS IN SLABS-ON-GRADE:

- A. Form weakened-plane contraction joints, sectioning concrete into areas as indicated on drawings. Contraction joints shall be seen to a depth equal to at least one-fourth of the concrete thickness, as follows:
B. Sawed joints: All saw cutting shall be accomplished with a "Soft-Cut" saw and vacuum system equipped with a new blade and plate, as soon as the slab will support the weight of the saw and operator. Note: Concrete that shall be removed completely and immediately. If chalk lines are used for sawcuts, all chalk remaining on the slab shall be removed completely and immediately after sawing.

15) INTERIOR SALES FLOOR SLAB PROTECTION:

- A. Take the following measures to protect the interior sales floor slab:
1. Wrap or "drape" all mechanical and hydraulic equipment to prevent fluid leaks
2. Provide non-marking tires on rubber tired vehicles or equip rubber tires with tire boots made of nylon fabric
3. Provide mats at all entrances to prevent mud stains

16) TIMING OF JOINT FILLER, LIQUID DENSIFIER AND POLISHING PROCESS:

- A. Do not commence installation of semi-rigid polyurea joint filler, liquid densifier and sealer or polishing processes until the building is completely enclosed, permanent power and lighting is operating and the building is thermostatically controlled. Installation of these materials shall commence approximately two weeks prior to "Turnover date."

17) INSTALLATION OF SEMI-RIGID POLYUREA JOINT FILLER:

- A. All General Contractors bidding or negotiating a Dollar General project shall contact Euclid Chemical or RetroPlate to obtain a list of approved applicators located within the geographic region of the project. General contractors shall solicit and accept pricing only from those applicators as provided by Euclid Chemical or RetroPlate. The approved applicator selected for the initial application of liquid densifier / sealer shall be the same as for the joint filling and additional application of liquid densifier / sealer.
B. Joint filler installation: Comply with recommendations in ACI 302 for use of joint filler as applicable to materials, applications, and conditions indicated.
C. Surface cleaning of joints: Clean out joints immediately before installing joint filler. Remove foreign material from joints substitutes that could interfere with adhesion of joint filler by brushing, grinding, blast cleaning, mechanical chipping, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint filler. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air. Also remove all laitance and form-release agents from concrete surface. Clean nonporous surfaces with chemical cleansers or other means that do not stain, harm substrates, or leave residues could interfere with adhesion of joint sealants. All surfaces to be filled shall be clean and dry.

- D. For proper load transfer, joints must be filled full depth, but in no case should the joint filler be any less than 1" deep in the joint.
E. Mixing: Joint filler is a two part product requiring machine mixing and placing. Premix part b separately before using. Follow pump manufacturer's equipment instructions.
F. Placement: Joint filler shall be filled full depth. No backer rod is allowed. Joints should be overfilled and shaved even with the surrounding joint edge giving the floor joints a flat, smooth appearance. Shaving of excess joint filler can be approximately 30 minutes after placement, and up to 24 hours later, depending on jobite conditions such as concrete and ambient temperatures.
G. Joint filler separation: The approved joint filling applicator shall include in their bid a cost per linear foot to make one return trip to refill joints if joint filler sidewall separation or spitting exceeds 1/16", or if surface profile is concave, channeled or if voids occur. This shall take place one week prior to grand opening.

18) INITIAL CLEANING FOR LIQUID DENSIFIER AND SEALER APPLICATION:

- A. Interior sales floor slab: Thoroughly clean the interior sales floor slab prior to initial application of liquid densifier and sealer by completely removing the specified dissipating or removable curing compound from the floor surface. The following floor stripper or removal solution shall be applied to the floor to thoroughly strip, clean and remove all curing compound residue:
1. If Kurex DR VOX (slab finish) was used to cure the slab, use "Euclo Clean & Strip" by Euclid Chemical, applied at the proper water to floor stripper ratio and coverage rate that will completely remove the Kurex DR VOX. Contact: Phil Brandt (877) 438-3826
2. If Kurex KC (slab last) was used to cure the slab, use "Kurex OFF" by Euclid Chemical, applied at the proper water to floor stripper ratio and coverage rate that will completely remove the Kurex KC. Contact: Phil Brandt (877) 438-3826

19) POLISHING PROCESS AND APPLICATION OF LIQUID DENSIFIER / SEALER:

- A. All Applications must be certified by Euclid Chemical or Retro-Plate.
B. The revised process can be used in both "Wet" and "Dry" applications.
C. This process assumes a quality concrete finish (meets and/or exceeds the specified floor tolerance) by the floor finisher. Failure to achieve the above criteria shall be cause for replacement of the offending segments or grinding/polishing at no cost to the Owner or Tenant.
D. Only the Sales Floor will receive the full 8 step process outlined below under item K.
E. All other areas will only receive steps 1 through 3, no additional work is necessary. The yellow safety striping will remain.
F. The black painted border, AMERIPOLISH EDGE TINT (MIDNIGHT BLACK), will not be required in areas behind fixtures, etc. ...it will only be installed at the main entry door, hallway border, egress doors, doorways into the receiving area, 16" diamonds around interior columns and umbrellas that can be seen by the customer.
G. Steps 2 & 4 are combo steps using different grits of resin bond diamonds on each pass.
H. This is a "Retain" only grind that does not tear away as much of the surface area. The Retain grind will remove a minimal top layer of the concrete surface and should greatly reduce the amount of Waste Product created when compared to the old Metal grid process.
I. If a Cure-&Seal product is required at the time of slab placement only Water Based Dispersing Sealers are allowed. NO Acrylic Cure-N-Seals are allowed.
J. Prior to application, inspect interior sales floor slab to ensure that slab is clean and free of dust, grease, oils, or other contaminants that might prohibit the proper application and penetration of the liquid densifier and sealer.
K. Process Steps
1. Cut, clean out, prep and fill the concrete floor joints with the Euclid QWJoint UVR polyurea joint filler or "CrestFill Pro 75 by CureCrete.
2. Grind concrete floor with a combo set of 40/90 grit resin diamonds.
3. Depending on the final finish of the floor, this step may or may not be required. Grind concrete floor with a combo set of SASE metal bond gold series 80 and 150 grit segments or HTC EZ RB brown 4 series (60 grit diamonds) and HTC EZ RB Black 2 series (100 Grit Diamonds).
4. Thoroughly clean the concrete floor and apply Euclid Diamond Hard liquid densifier and sealer at 225 square feet per gallon or "RetroPlate 99 liquid densifier at 200 square feet per gallon".
5. Polish concrete floor with a combo set of SASE Triton 100 grit black resin diamonds, SASE Triton 200 grit blue resin diamonds or HTC EZ MR black series (100 Grit Diamonds) and HTC EZ MR blue series (200 Grit Diamonds).
6. Polish concrete floor with SASE Triton 400 grit red resin diamonds or HTC EZ SR red series (400 grit diamonds).
7. Thoroughly clean concrete floor and then apply Euclid Diamond Hard liquid densifier and sealer at 700 square feet per gallon (epif coat). Or "RetroPlate 99 liquid densifier at 700 square feet per gallon as a spill coat".
8. Burnish / Polish concrete floor with SASE Sure Shine white 800 grit diamond impregnated pads or HTC White Twister pads (800 grit diamond impregnated pads).
9. Burnish / Polish concrete floor with 1500 Grit Diamond Impregnated twister pads (I.T.C. Yellow TWISTERS or equivalent).
L. All edges must be polished to match concrete floor with coinciding SASE 5" resin Polishing pads or HTC EZ Grit polishing 5" diamond tools.
M. Polish results: Perform polishing process to attain an overall gloss reading of >=55 specified overall gloss value (SGOV) as measured using a Forthel IQ-320, and a specified minimum gloss reading of >=30 minimum local gloss value (MLGV). A minimum of 75 readings shall be taken throughout the interior sales floor. The approved applicator shall take four gloss measurement readings at 90° from each other, and then averaged for one reading at each location. The overall measurement shall be reported to Dollar General within 24 hours of the polishing process. Gloss shall be considered as a quantitative value that expresses the degree of reflection when light hits the concrete floor surface. Gloss measurements will be taken independent of ambient lighting and will be taken within a shaded measurement window located beneath the test unit.

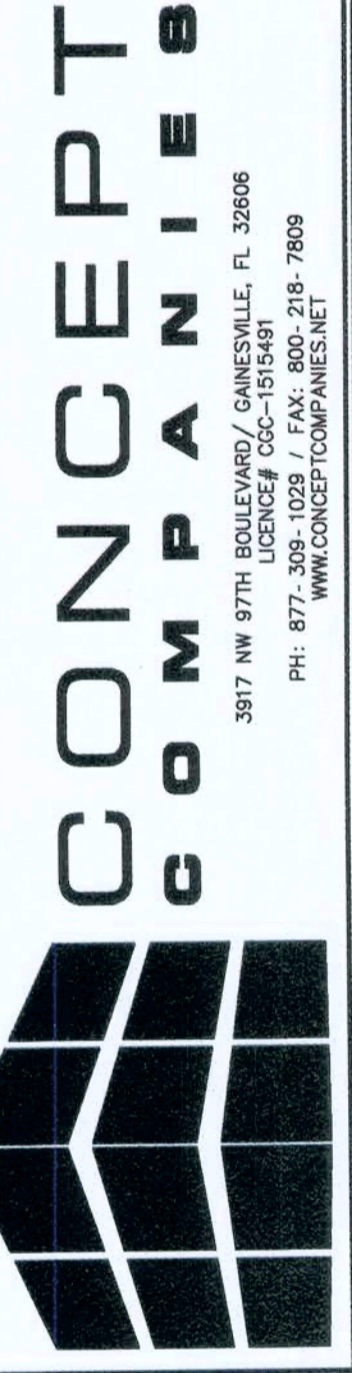
CONCRETE MASONRY

- 1. CONCRETE MASONRY WORK SHALL CONFORM TO ACI 530, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND ACI 530.1, SPECIFICATION FOR MASONRY STRUCTURES.
2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE FM-1,500 PSI.
3. MORTAR SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY TYPE OF MORTAR: S OR M.
4. CONCRETE MASONRY UNITS SHALL BE GROUTED WITH 2,500 PSI COURSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT SHALL CONFORM TO ASTM C796.
5. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 9 GAGE LONGITUDINAL WIRERS AT 16" VERTICALLY, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES.
6. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #5 AT 48" UNLESS NOTED OTHERWISE.
7. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS AND CRACKS WITH WIDTHS EXCEEDING 0.01 INCH SHALL BE REPAIRED.

NOTE: ALL STRUCTURAL CONCRETE, INCLUDING FOUNDATION AND SLAB WORK, SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER OF RECORD FOR THIS PROJECT.

JAMES BLYTHE REGISTERED ARCHITECT RA LEED AP BD+C 3324 W. UNIVERSITY AVE GAINESVILLE, FL 32607 PMS# 151 AR44452

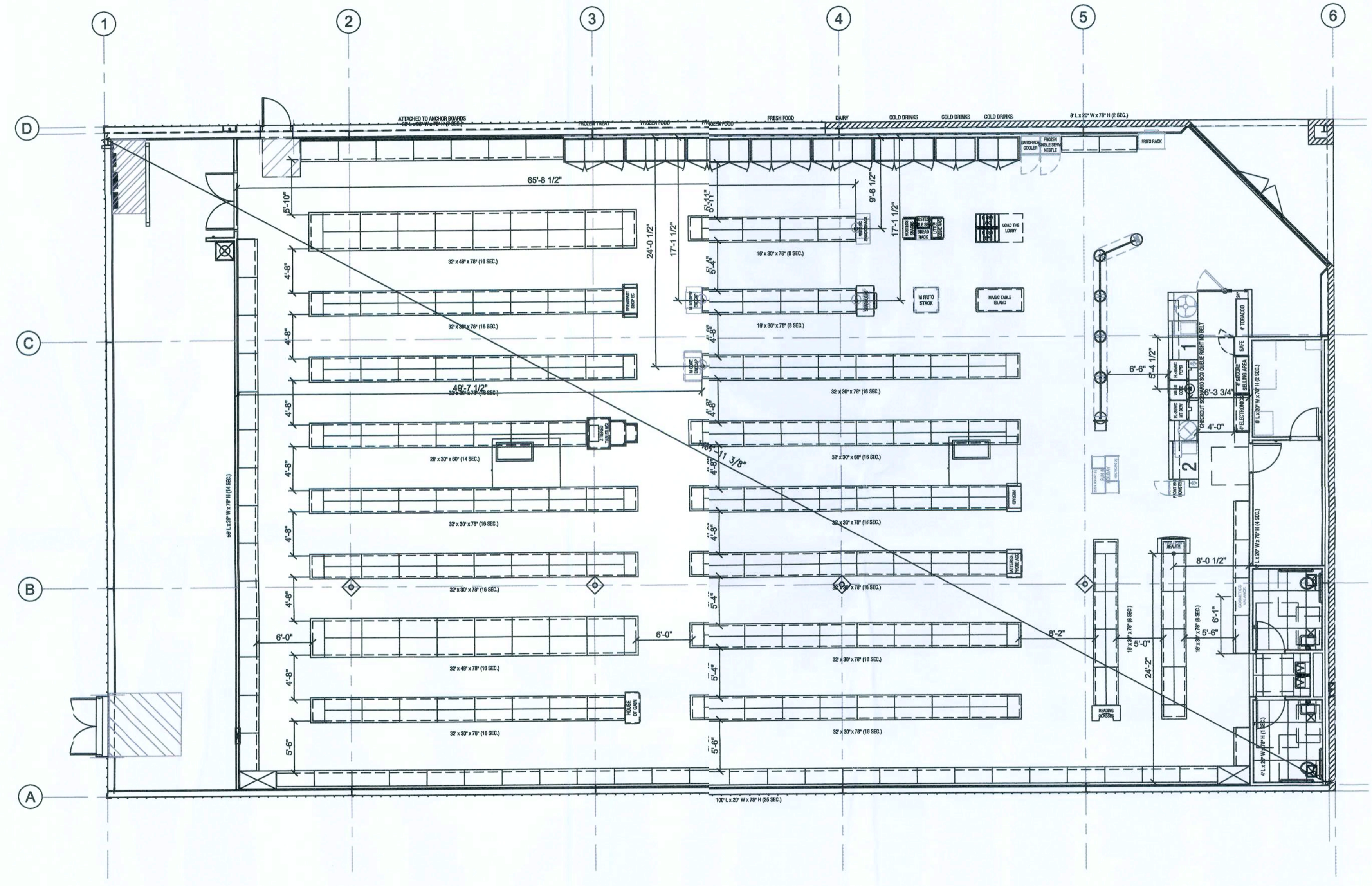
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DOLLAR GENERAL 1771 NW LAKE JEFFREY RD LAKE CITY, FL 32055 STORE # 20885 2018 PROTOTYPE - PLAN '9100F' - 9,100 SQ. FT.

DRAWING DATE: / DRAWN BY: 4/5/19 - JEM REVISION DATE: / REVISED BY: PROJECT NUMBER: 4000.180 DRAWING TITLE: CONCRETE SPECS SHEET NO.

A12



1 FIELD MEASUREMENT
 V1 SCALE: 1/8" = 1'-0"
 NORTH

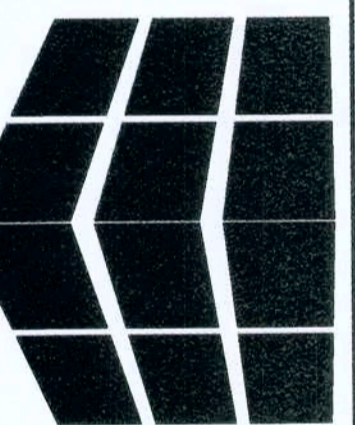
JAMES BLYTHE
 REGISTERED ARCHITECT
 RA LEED AP BD+C
 3324 W. UNIVERSITY AVE
 PMB#151
 GAINESVILLE, FL. 32607
 AR94452

[Signature]
 4/19/19

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CONCEPT COMPANIES

3917 NW 97TH AVE SUITE 100 / GAINESVILLE, FL. 32606
 (352) 333-1544 / (352) 333-1549
 PH: 877-309-1029 / FAX: 800-218-7809
 WWW.CONCEPTCOMPANIES.NET



DOLLAR GENERAL

1771 NW LAKE JEFFREY RD
 LAKE CITY, FL 32055
 STORE # 20885
 2018 PROTOTYPE - PLAN '9100F' - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:	4/5/19 - JEM
REVISION DATE / REVISED BY:	
PROJECT NUMBER:	4000.180
DRAWING TITLE:	FIELD MEASUREMENT
SHEET NO.:	

V1

DESIGN CRITERIA:

BASIS OF DESIGN

ALL CONSTRUCTION IS DESIGNED AS FOLLOWS
 FLORIDA BUILDING CODE 6TH EDITION (2017)

DEAD LOADS
 ROOF 5.5 psf

LIVE LOADS
 FLOOR 100 psf
 ROOF 20 psf

WIND LOADS
 ASCE 7-10, 118 MPH WIND (ULT); 91 MPH (NOMINAL)
 BUILDINGS OF ALL HEIGHTS ANALYTICAL METHOD
 RISK CATEGORY II
 EXPOSURE CATEGORY "B"
 ROOF SLOPE: 12/12

INTERNAL PRESSURE COEFFICIENTS
 GCp=-.18, ENCLOSED STRUCTURE
 BASIC WIND PRESSURE, q= 31.7 P.S.F. (C&C)
 EDGE DISTANCE, a= 7 FT.

STRENGTH OF MATERIALS

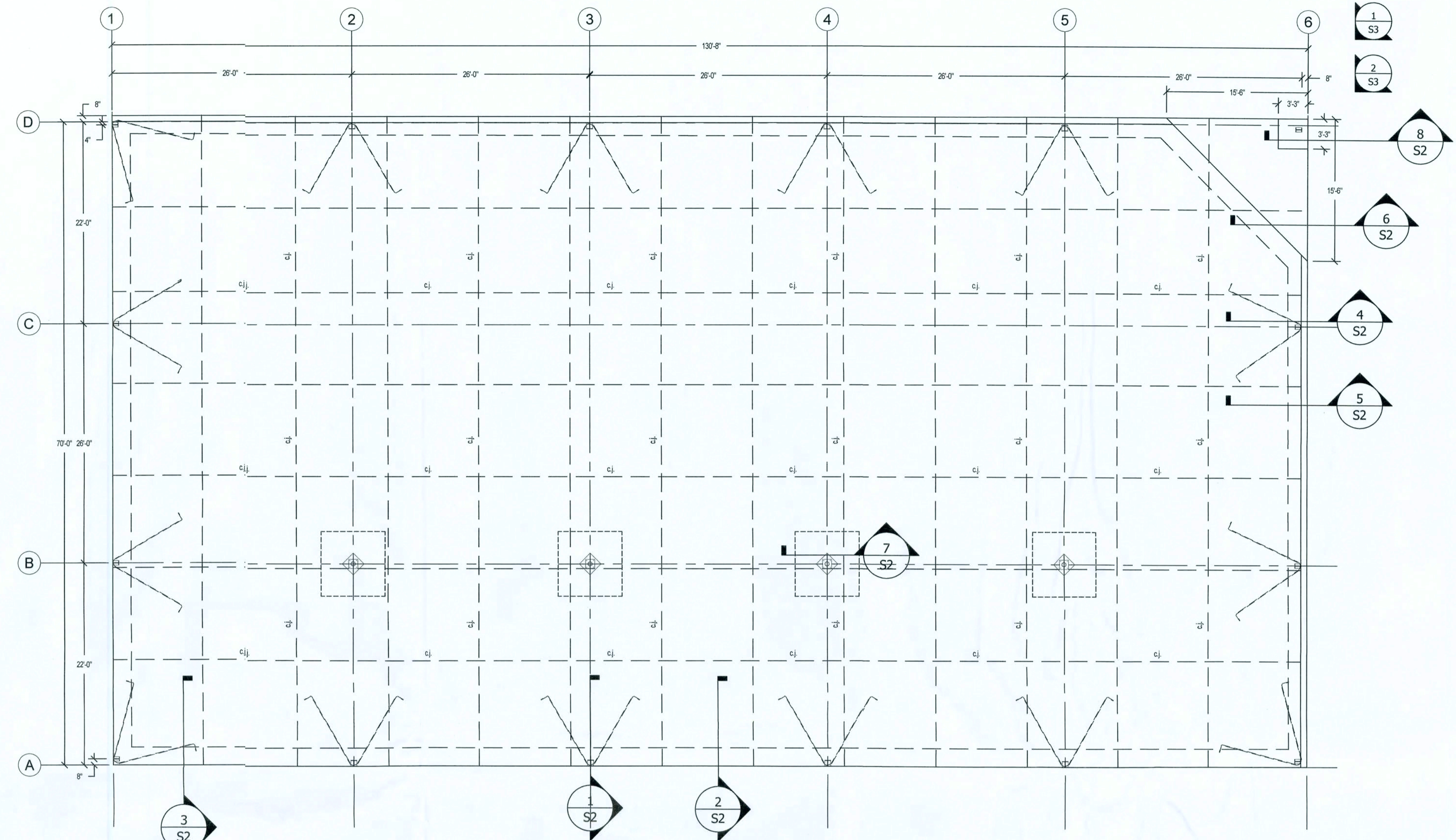
REINFORCING STEEL $f_y = 60,000$ psi
 CONCRETE SLAB, BEAMS AND FOOTINGS $f'_c = 4,000$ psi
 REINFORCED MASONRY $f'_m = 1,500$ psi
 MASONRY GROUT $f'_g = 3,000$ psi
 SOIL BEARING PER GEOTECHNICAL REPORT $S_u = 2,000$ psf

CONCRETE/MASONRY NOTES:

- VERIFY ALL DETAILS AND DIMENSIONS WITH EXISTING CONDITIONS, ARCHITECTURAL DOCUMENTS AND PROPERLY COORDINATED APPROVED SHOP DRAWINGS.
- EXPANSION AND CONTROL JOINTS ARE TO BE PLACED PER A.C.I. RECOMMENDATIONS. PREPARE A CRACK CONTROL PLAN BASED ON CONSTRUCTION SEQUENCING AND PROPOSED ACTUAL FLOOR AND WALL FINISHES AND SUBMIT TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
 - NO CONTROL JOINT SHALL INTERSECT AN ADJACENT CONTROL JOINT AT AN ANGLE 90°.
 - CONTROL JOINTS SHALL ONLY INTERSECT A CURB OR OTHER STRUCTURAL MEMBER AT ANGLE OF 90°.
- PROVIDE 48 BAR DIAMETER MINIMUM LAP.
- ALL FOOTING BOTTOMS MUST BE PLACED A MINIMUM OF 12" BELOW FINISH GRADE.

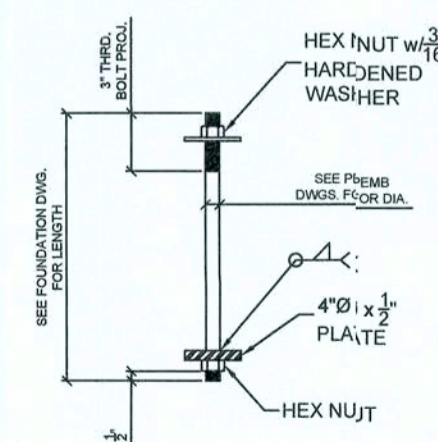
TERMITE NOTES:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL.
- CONDENSATE AND ROOF DOWN SPOUTS SHALL DISCHARGE 1'-0" AWAY FROM BUILDING SIDE WALLS.
- IRRIGATION/SPRINKLER SYSTEM INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS.
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION THE DISTANCE BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL.
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 1816.1.1
- SOIL DISTRIBUTED AFTER THE INITIAL TREATMENT SHALL BE RE-TREATED INCLUDING SPACES BOXED AND FORMED. IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 1816.1.2
- BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATIONS OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE THE SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 2304.11
- MINIMUM 6 MIL RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, PRE-TREATMENT IS REQUIRED. IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 2304.11
- CONCRETE OVER POUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 2304.11
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 2304.11
- AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION ANY SOIL DISTRIBUTED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 2304.11
- ALL BUILDING ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 2304.11
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES." IN ACCORDANCE WITH 2017 6TH EDITION FLORIDA BUILDING CODE SECTION 2304.11
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL.
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING.

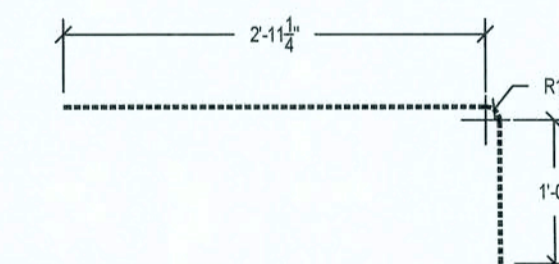


FOUNDATION PLAN

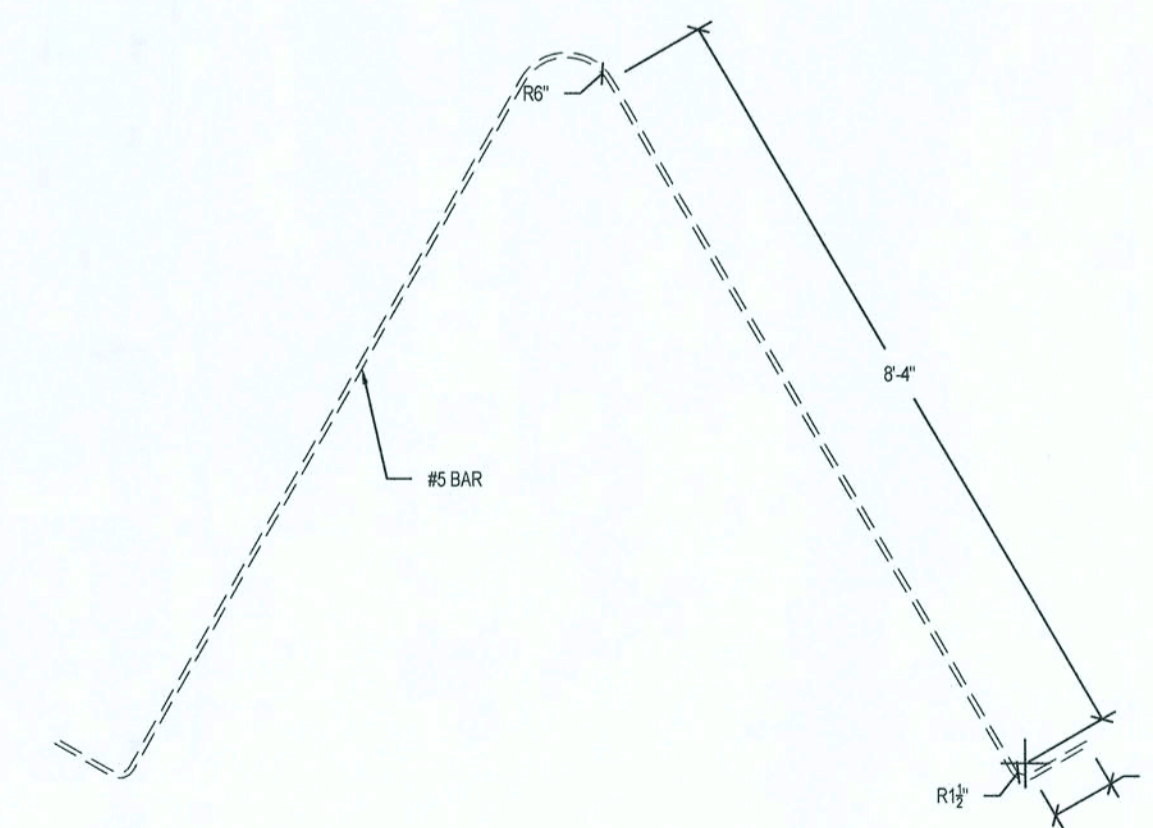
SCALE: 1/8"=1'-0"



ANCHOR BOLT DETAIL
SCALE: N.T.S.



SLAB TIE DETAIL
SCALE: 3/4"=1'-0"



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

BC&T ENGINEERS
 1503-A WEST BUSCH BLVD / TAMPA, FL 33613
 PH: (813) 961-3075 / FX: (813) 961-1021

REGISTERED PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 12512
 EXPIRES 12/31/2024

SAMUEL P. DEAN P.E.
 License # 12512 / C&M 28684
 www.samueldean.com
 WWW.BC&TENGINEERS.COM

MAY 13 2019

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CONCEPT COMPANIES

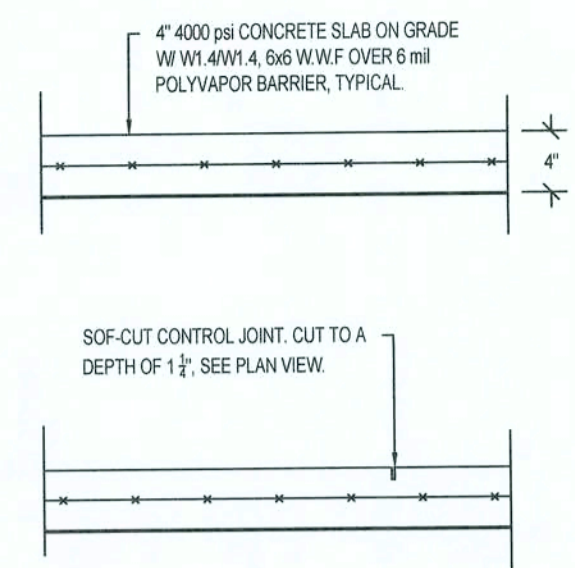
3917 NW 97TH BOULEVARD / GAINESVILLE, FL 32606
 LICENSE # CC-151549 / PH: 352-789-7898
 PH: 352-789-7898 / WWW.CONCEPTCOMPANIES.NET

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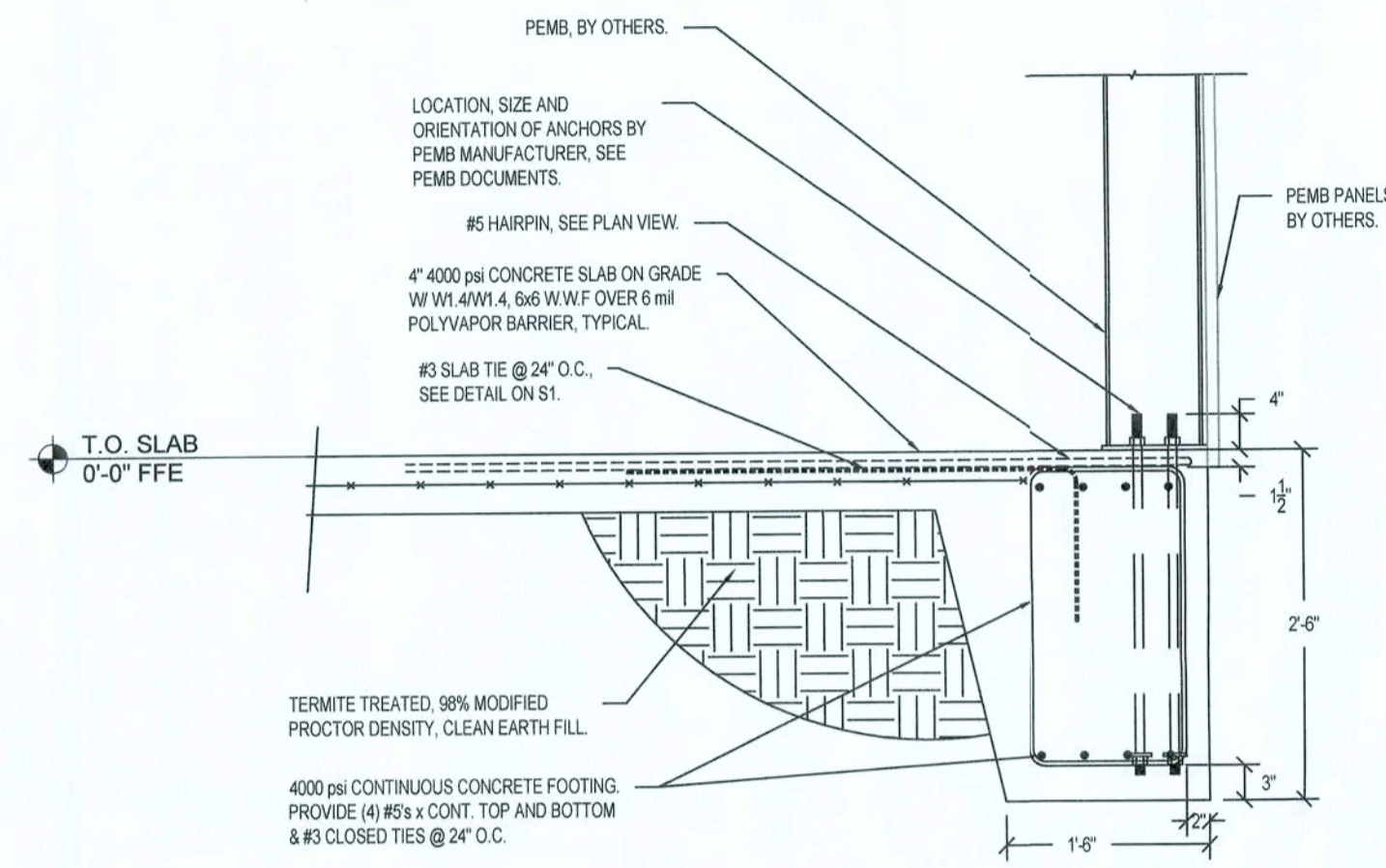
1771 NW LAKE JEFFREY RD
 LAKE CITY, FL 32055
 STORE # 20885
 2018 PROTOTYPE - PLAN 1'@100" - 8,100 SQ. FT.

DRAWING DATE / DRAWN BY:	5/6/19 / VMC
REVISION DATE / REVISED BY:	
PROJECT NUMBER:	E19-387 / 4000.180
DRAWING TITLE:	FOUNDATION PLAN
SHEET NO.	

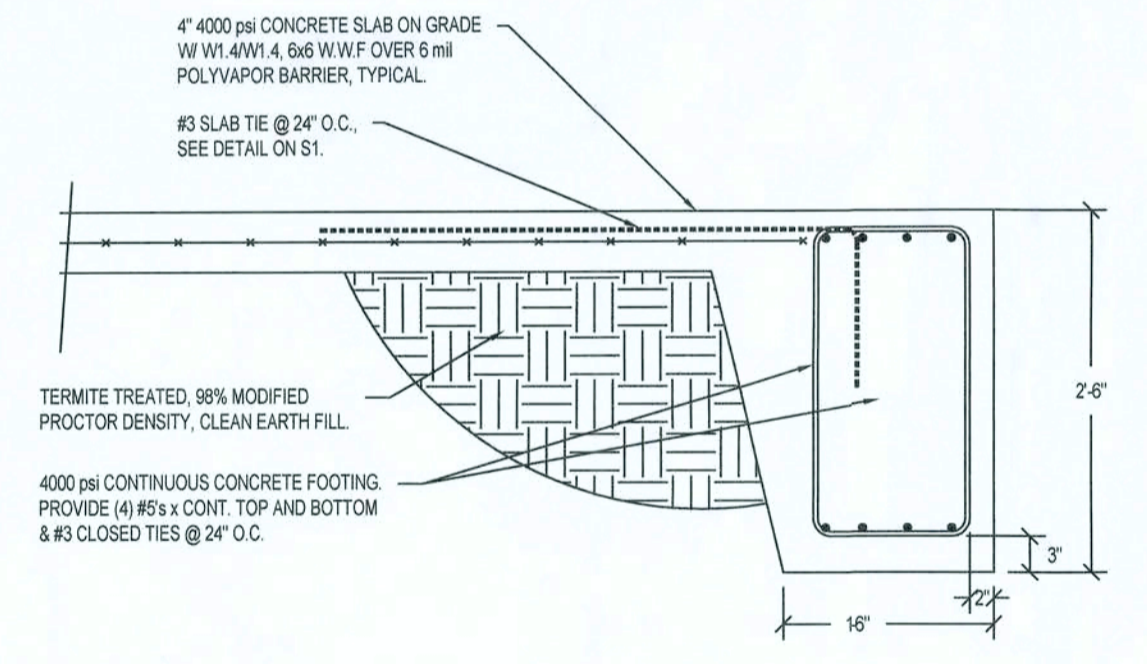
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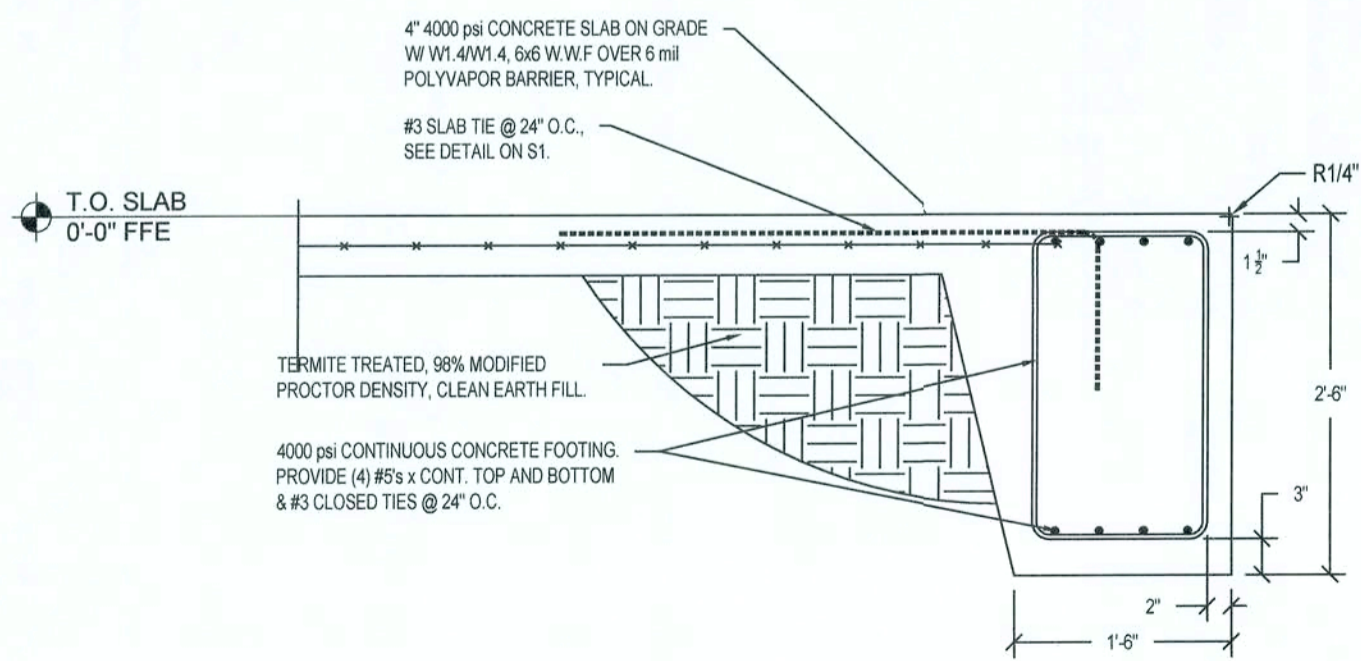
TYPICAL SLAB DETAILS
SCALE: 3/4" = 1'-0"



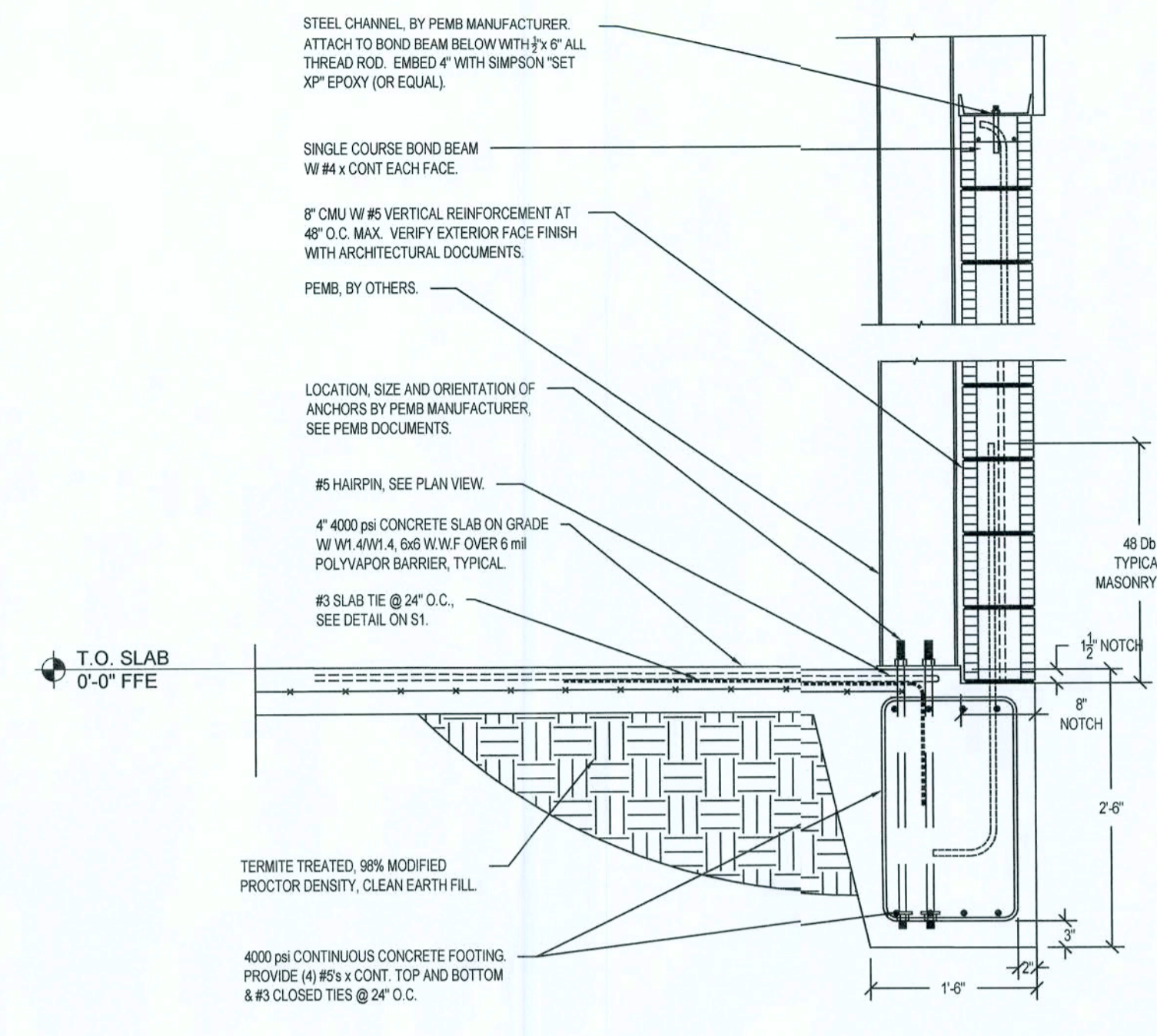
1 DETAIL
S2
TYPICAL PERIMETER FOOTING AT BUILDING FRAME.
SCALE: 3/4" = 1'-0"



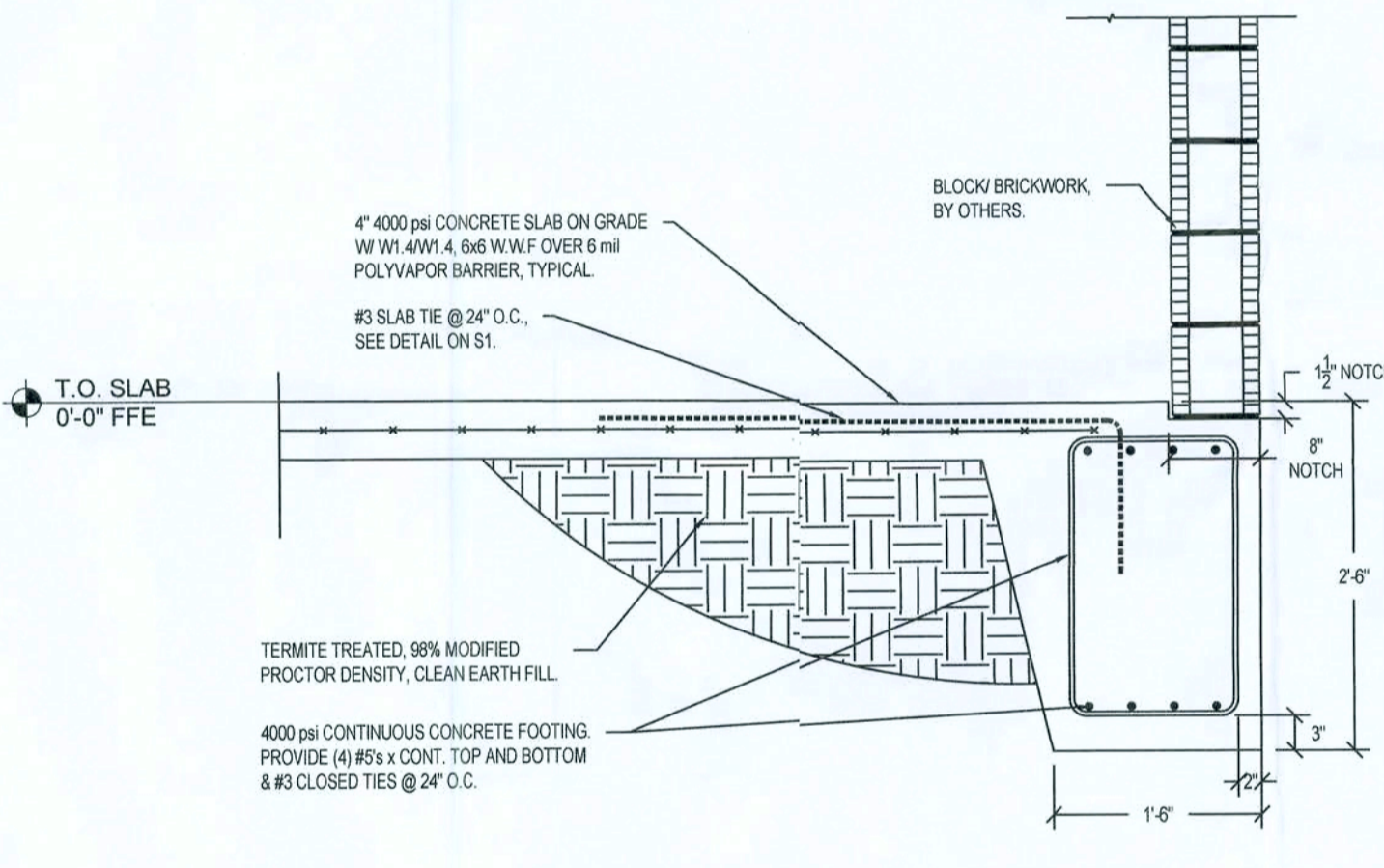
2 DETAIL
S2
TYPICAL PERIMETER FOOTING NOT AT BUILDING FRAME.
SCALE: 3/4" = 1'-0"



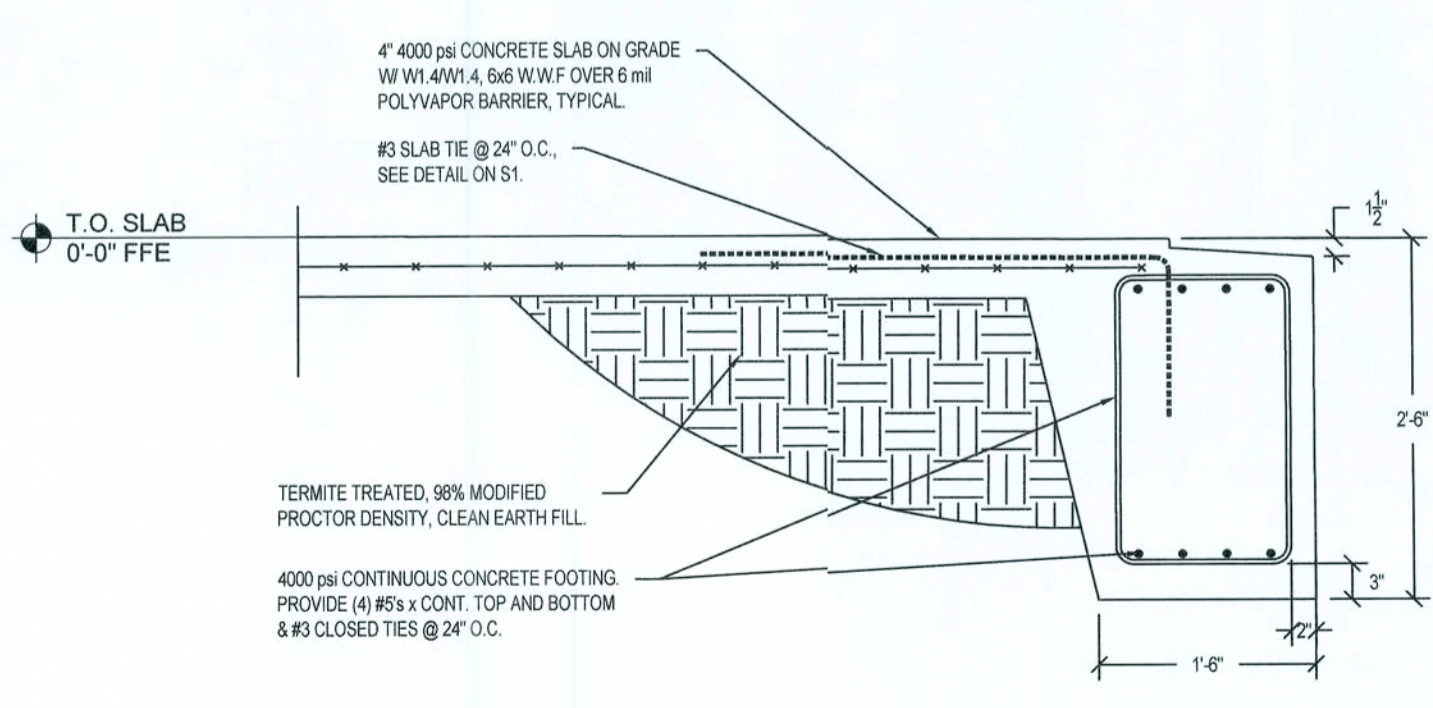
3 DETAIL
S2
TYPICAL PERIMETER FOOTING AT ENTRY DOOR.
SCALE: 3/4" = 1'-0"



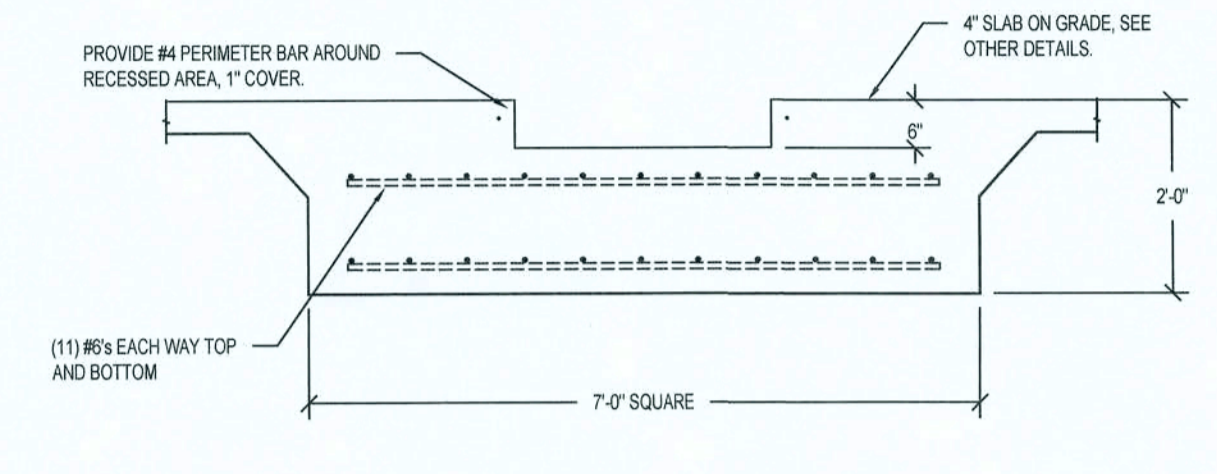
4 DETAIL
S2
FOOTING ALONG 8" BLOCK FACADE AT BUILDING FRAME.
SCALE: 3/4" = 1'-0"



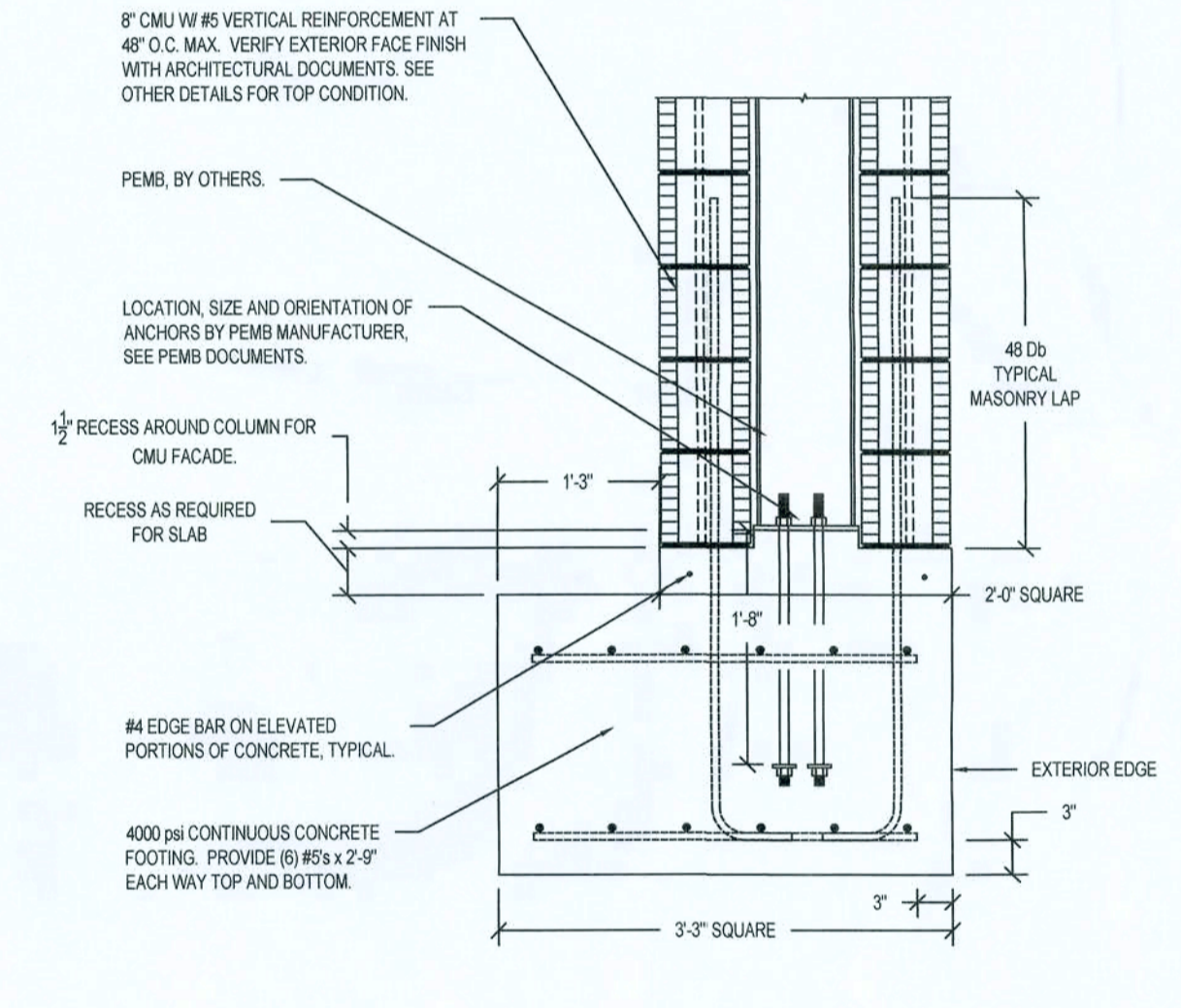
5 DETAIL
S2
FOOTING ALONG 8" BLOCK FACADE NOT AT BUILDING FRAME.
SCALE: 3/4" = 1'-0"



6 DETAIL
S2
FOOTING ALONG FACADE AT FRONT ENTRY.
SCALE: 3/4" = 1'-0"



7 DETAIL
S2
TYPICAL INTERIOR FOOTING.
SCALE: 1/2" = 1'-0"



8 DETAIL
S2
PIER FOOTING @ CORNER ENTRY
SCALE: 3/4" = 1'-0"

1525-A WEST BUSH BLVD. / TAMPA, FL 33613
PH (813) 981-3873 / FX (813) 981-1031
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P.F.# 88915 / CA# 22884
WWW.BELTENENGINEERING.COM

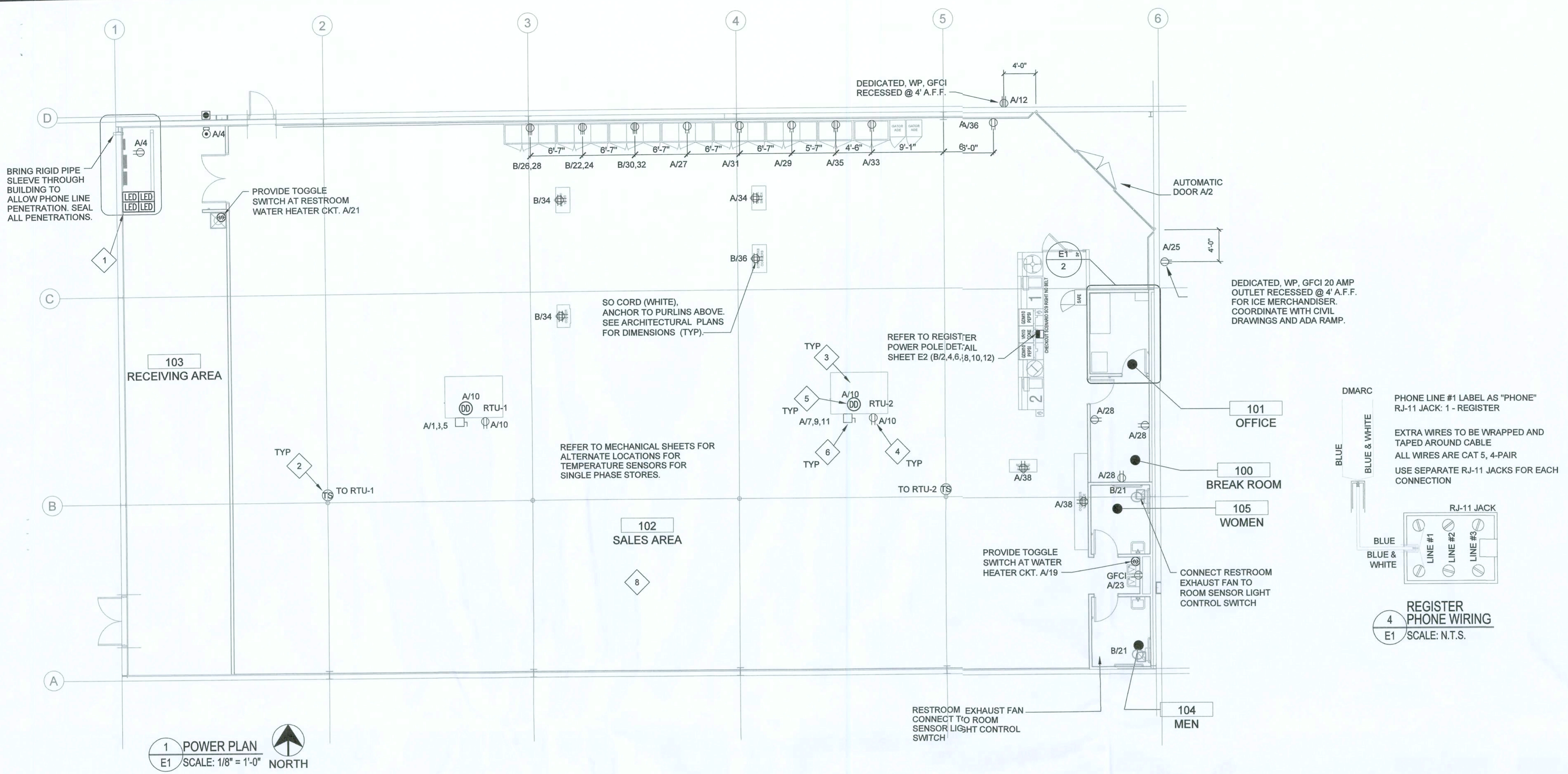
CONCEPT COMPANIES
3917 NW 87TH BOULEVARD / GAINESVILLE, FL 32606
LICENCE# CC-1515481
PH: 877-777-7809
WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL®
1771 NW LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20595
2018 PROTOTYPE - PLAN 50105 - 9-100-SO-ET

DRAWING DATE / DRAWN BY:
5/6/19 / VMC
REVISION DATE / REVISED BY:
PROJECT NUMBER:
E19-387 / 4000.180
DRAWING TITLE:
FOUNDATION DETAILS
SHEET NO.

S2

MAY 13 2019



LEGEND

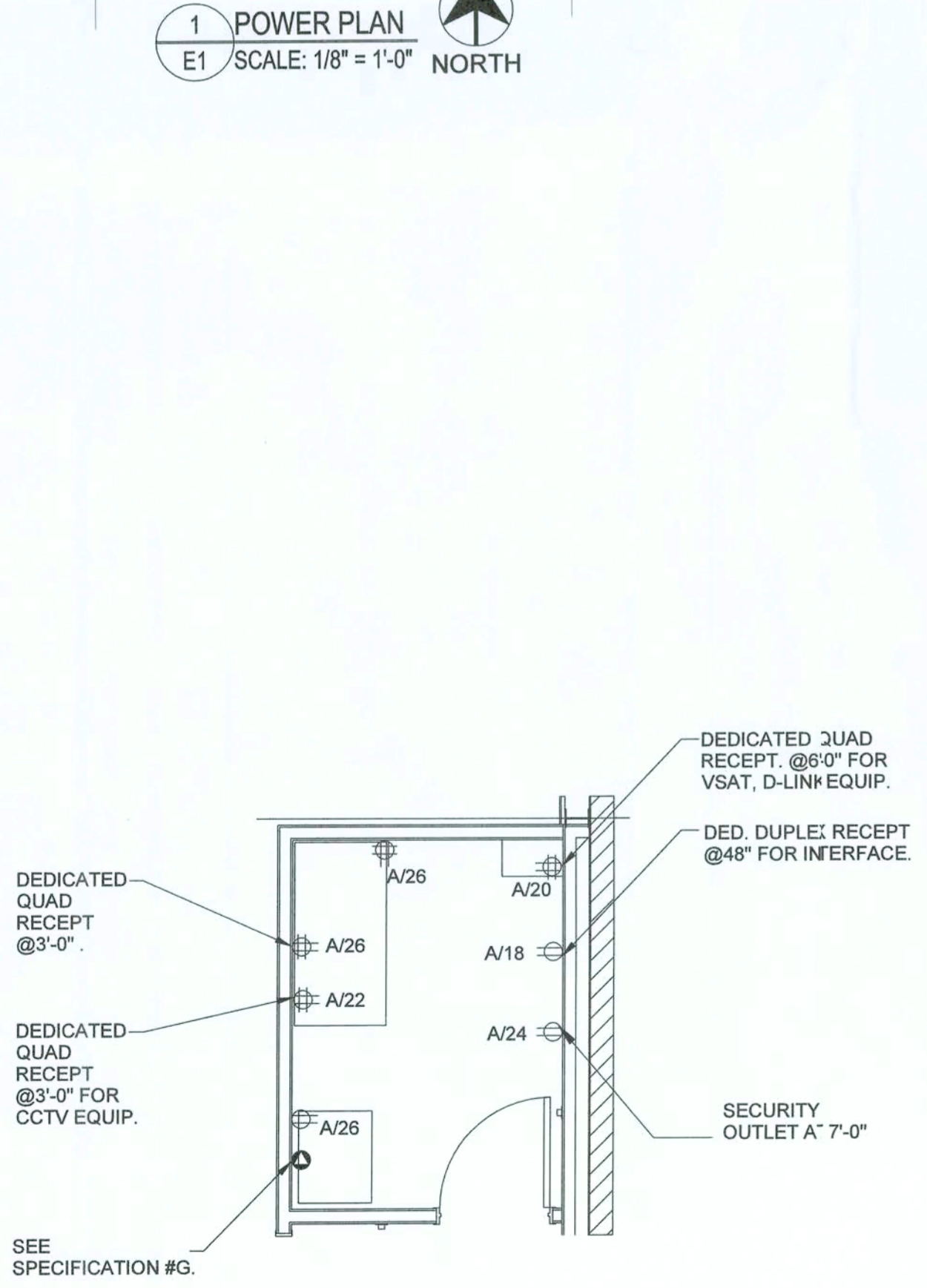
SYMB	DESCRIPTION
BUZZER	BUZZER - TORK MDL #TA725 W/ TRANSFORMER MDL#TA592
COMMERCIAL GRADE PUSH BUTTON	COMMERCIAL GRADE PUSH BUTTON
A/23	125V NEMA 5-20R DUPLEX PANEL/CIRCUIT IN PANEL
125/250V NEMA L14-20R 4 PRONG TWIST LOCK	125/250V NEMA L14-20R 4 PRONG TWIST LOCK
125V NEMA 5-20R QUAD	125V NEMA 5-20R QUAD
DISCONNECT	DISCONNECT
BLACK MAGIC POWER POLE	BLACK MAGIC POWER POLE
PHONE JACK @ REGISTER	PHONE JACK @ REGISTER
RJ-11, RJ-45 DATA JACK, PHONE COMBO @ OFFICE	RJ-11, RJ-45 DATA JACK, PHONE COMBO @ OFFICE
A/23	PANEL/CIRCUIT IN PANEL
\$m	PROVIDE OCCUPANCY LIGHT SENSOR- LEVITON 05D10-IDW
\$	20 AMP TOGGLE SWITCH
NL	NIGHT LIGHT CIRCUIT

ELECTRICAL SPECIFICATIONS

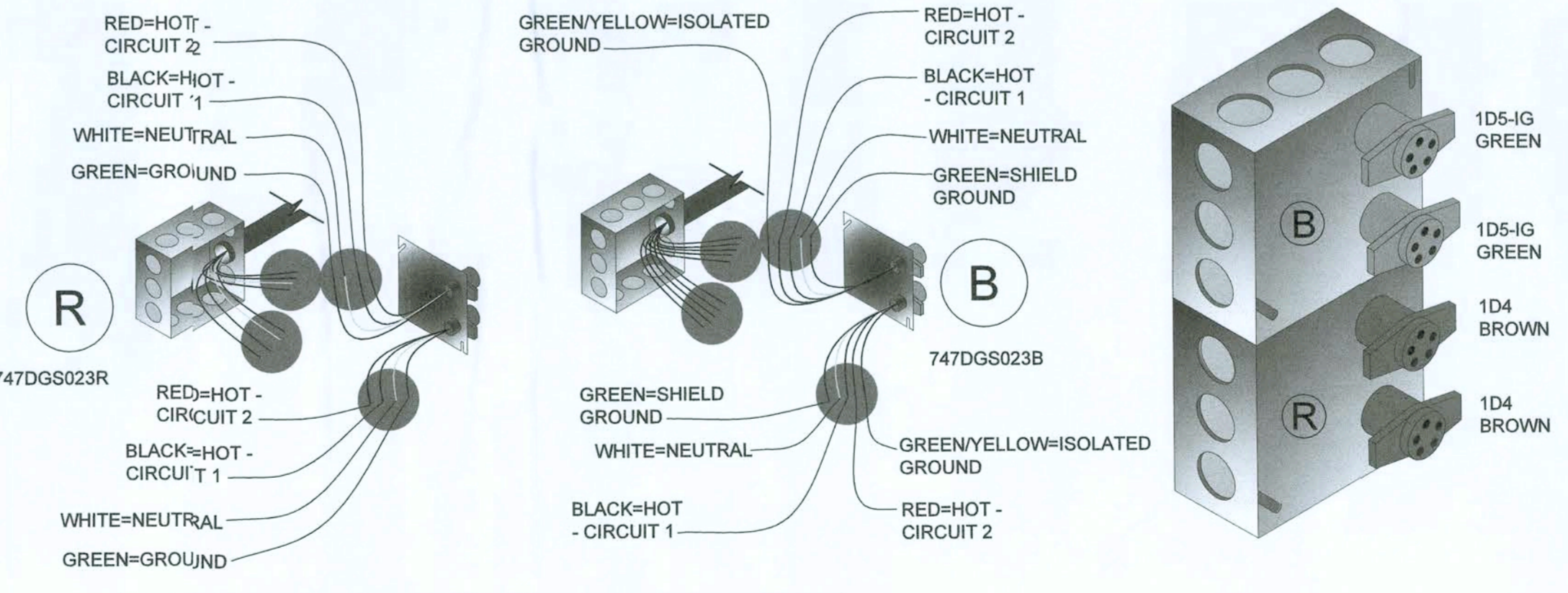
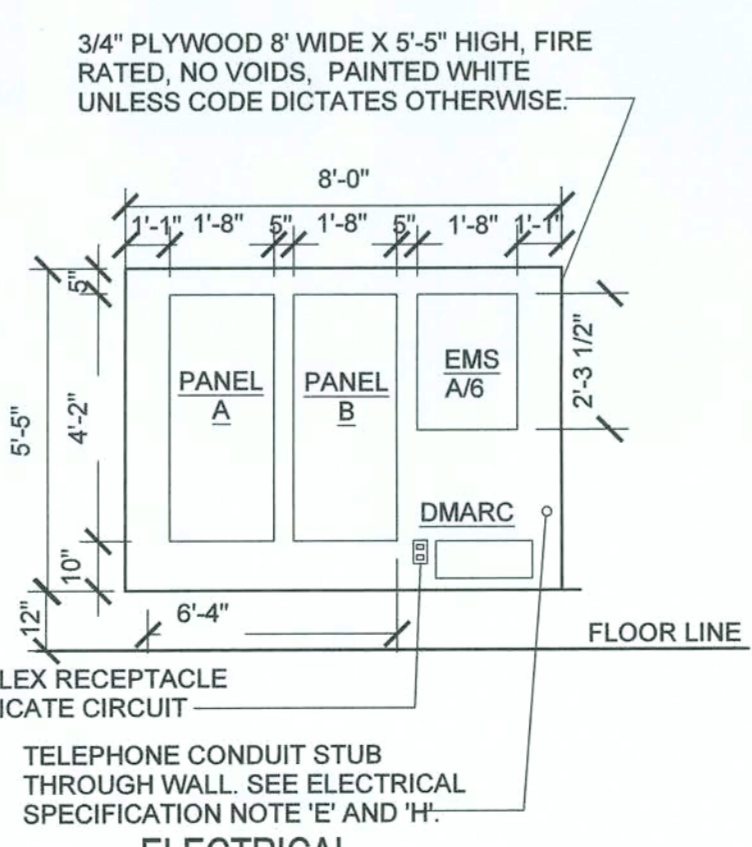
- ALL WIRING SHALL BE CONTAINED IN CONDUIT OF PROPER SIZE.
- ALL WIRING SHALL CONFORM TO LOCAL, STATE AND FEDERAL CODES.
- SERVICE IS TO BE A MINIMUM 400 AMP, 3 PHASE (PREFERRED), 600 AMP, 1 PHASE OR LARGER IF REQUIRED BY CODE OR ELECTRICAL LOAD.
- REQUIRED CUSTOM BUILT POWER POLE ASSEMBLIES AVAILABLE FROM D&P CUSTOM LIGHTS & PRODUCTS INC., PHONE: (800) 251-2200 OR (615) 350-7800, 7111 COCKRILL BEND INDUSTRIAL ROAD, NASHVILLE, TN 37209. SEE E3.1.
- EXTERIOR EXPOSED PHONE LINES TO BE INSTALLED IN RIGID CONDUIT. PROVIDE EMERSON 3/4" X 5-FIT. METALLIC CABLE U-GUARD #755, OR EQUAL.
- ELECTRICAL PANEL TO BE LABELED CORRECTLY WITH LEGIBLE PRINT.
- LOW VOLTAGE VENDOR TO PROVIDE AND INSTALL ONE (1) 24 GA, 4 TWISTED-PAIR, CATEGORY-FIVE (CAT5) DATA CABLE WITH MODULAR COMBO RJ-11/RJ-45 JACK AT MANAGER'S OFFICE. CABLE TO BE RUN FROM JACK TO DATA HUB LOCATION WITH 6'-0" LEFT COILED FOR INSTALLATION TO DATA HUB. A RJ-45 MALE FITTING SHOULD BE CRIMPED ON THIS END. DOLLAR GENERAL STORE OPENING TEAM WILL MAKE FINAL CONNECTION INTO THE DATA HUB.
- PROVIDE 1 1/2" EMT CONDUIT TO ACT AS ACCESS SLEEVE TO ALLOW PHONE COMPANY TO TERMINATE AT DMARC. CONTRACTOR TO PROVIDE AND INSTALL PHONE WIRING & RJ-11 PHONE JACK FOR COMPLETED WORKING SYSTEM PRIOR TO PHONE COMPANY FINAL HOOK UP.
- ALL 120 VOLT OUTDOOR RECEPTACLES TO HAVE "WET LOCATION - IN USE" COVERS.
- ALL CONDUCTORS TO BE COPPER, #12 AWG MINIMUM SIZE, OR AS REQUIRED BY LOAD AND OVER CURRENT PROTECTION.
- SEE EMS SHEETS EMS1 AND EMS2 FOR ENERGY MANAGEMENT SYMBOLS AND INFORMATION.
- ELECTRICIAN TO PROVIDE 1 1/2" CONDUIT WITH PULL STRINGS FOR SATELLITE LOCATION.
- ALL POWER AND DATA TO BE ROUTED OVERHEAD UNDER SLAB NOT ALLOWED.
- WIRE SIZE TO BE #8 OR #10 FOR ALL COOLERS/FREEZERS.
- MOUNT ALL REFRIGERATOR OUTLETS AT 12" AFF.

ELECTRICAL KEYED NOTES

- TEST/RESET STATION FOR STAND ALONE DUCT DETECTOR. ONE FOR EACH DEVICE. SEE KEY NOTE 5 ON THIS SHEET. SIMPLEX #4098-9842 IS SPECIFIED. WITH PIEZO AND LED INDICATOR
- MECHANICAL THERMOSTAT AT 8'-0" A.F.F.
- LOCATIONS SHOWN FOR MECHANICAL UNITS ARE ONLY APPROXIMATE, CONTRACTOR MUST CONSULT MECHANICAL OR STRUCTURAL DRAWINGS TO DETERMINE ACTUAL UNIT LOCATIONS. PROVIDE 1/2" C. PENETRATION THRU ROOF WITHIN FOOTPRINT OF UNIT FOR USE WITH CONTROL WIRING TO UNIT BY OTHERS. PROVIDE PROPER WATERSEAL. (TYPICAL)
- FACTORY MOUNTED CONVENIENCE OUTLET (ELECTRICAL CONTRACTOR TO PROVIDE IF NOT FACTORY INSTALLED). PROVIDE CIRCUIT AS SHOWN, WIRE ALL WITH THIS NOTE TO A SPARE BREAKER IN PANEL "A" IF THEY ARE NOT POWERED.
- PHOTOELECTRIC DUCT DETECTOR WITH HOUSING. TIE TO LED READOUT RECESSED IN DUCT. STAND ALONE DEVICE, 120V. SIMPLEX #4098-9887 IS SPECIFIED WITH 4098-9842 CONTROL STATION. PROVIDE ONE DEVICE PER UNIT. MOUNT DEVICE IN SUPPLY AIR DUCTWORK. DEVICE SHALL BE PROVIDED AND WIRED TO THE CONTROL STATION BY THE ELECTRICAL CONTRACTOR. HIRE THE MECHANICAL CONTRACTOR FOR INSTALLATION IN DUCTWORK & CONNECTION TO SHUTDOWN CONTROLS. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED RELAYS AND 120V POWER. DO NOT POWER DUCT DETECTORS FROM HVAC UNIT LOW VOLTAGE. SUBMIT SHOP DRAWINGS FOR APPROVAL. PLACE ANY REQUIRED LABELING ON CEILING TILE DIRECTLY BELOW UNIT. RUN CONDUIT & WIRE UNDERGROUND FROM UNIT TO INSIDE OF SPACE.
- MOUNT DISCONNECT SWITCH AT UNIT. ALL DISCONNECTS TO BE HEAVY DUTY. FUSES TO BE RK-5 TYPE, BUSSMANN FRN-R (AMP) IS SPECIFIED. SEE EQUIPMENT SCHEDULE ON E3.1.
- SO WHITE ELECTRICAL CORD IS NEEDED. SEE SHEET A1, NOTE 26.
- CONFIRM THE FINAL NUMBER AND LOCATION OF OUTLETS IN SALES AREA WITH THE FINAL DG FUTURE PLAN.



2 ENLARGED OFFICE PLAN E1 SCALE: N.T.S.



REGISTER ELECTRICAL COMPONENTS

QTY	PART NUMBER	DESCRIPTION	VENDOR
1	747DGS023B	DUAL CIRCUIT POWER KIT WITH ISOLATED GROUND	D & P
1	747DGS023R	DUAL CIRCUIT POWER KIT	D & P
1	747DGS044-12BK	12' 2CH REGULAR POLE W2-C & 1-D CONNECTOR DRW #2004-12	
1	747DGS032A	10' CABLE KIT (SET OF 4 WHIPS)	

NOTE: BEFORE ORDERING AND INSTALLATION OF ELECTRICAL COMPONENTS FOR REGISTERS, CONSULT FINAL FUTURE PLAN FOR NUMBER AND LOCATION.

MAXIMUM CIRCUITS FOR REGISTERS:
 • CIRCUITS AT MAIN REGISTER - (8) 110V
 • CIRCUITS AT ISLAND REGISTER - (3) 110V

4 REGISTER ELECTRICAL DETAIL E1 SCALE: N.T.S.

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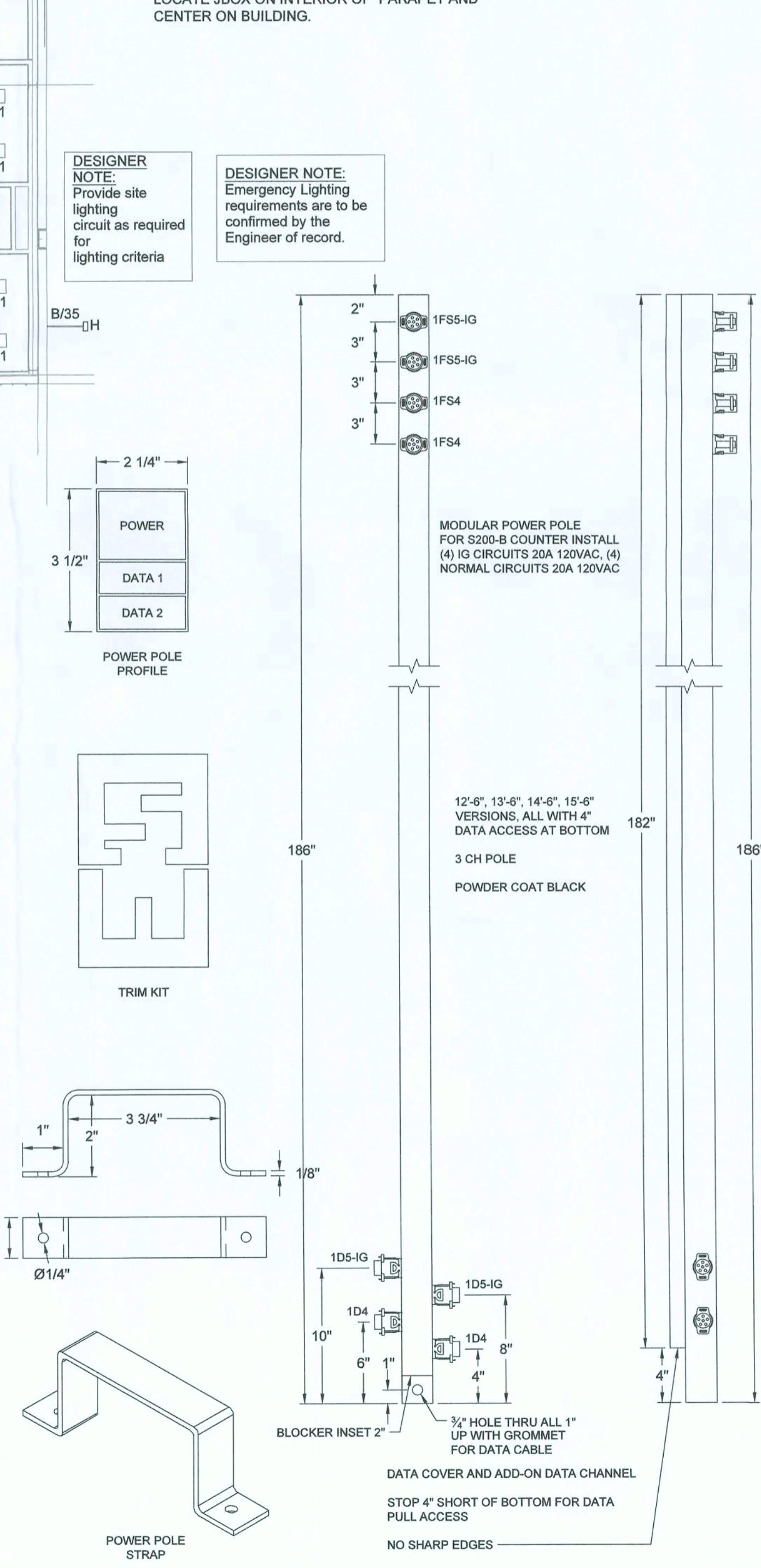
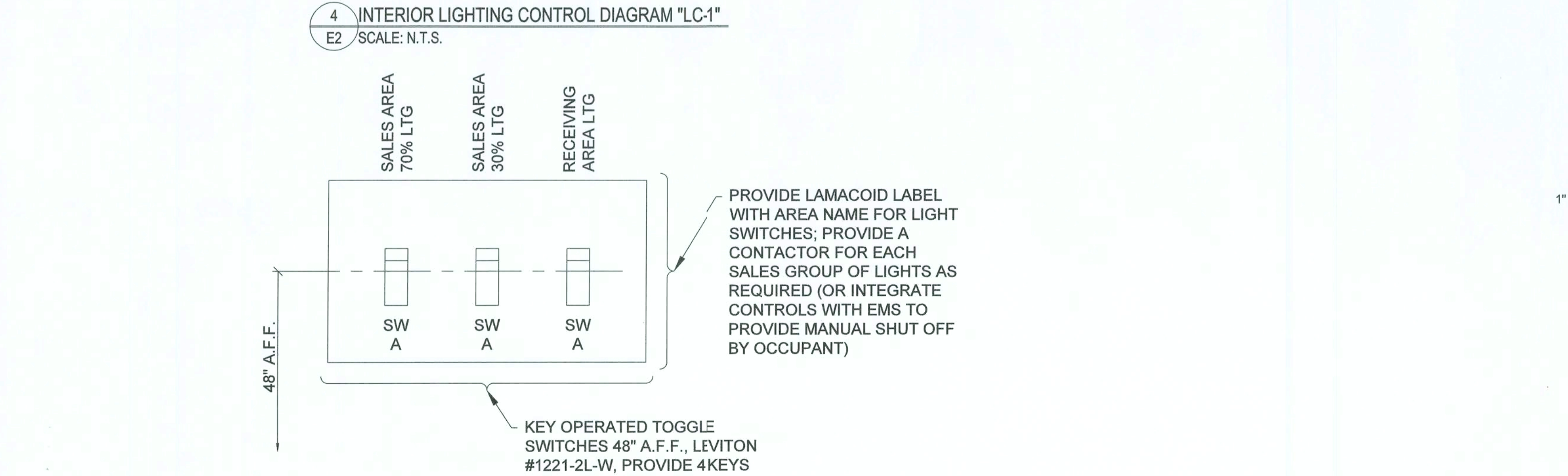
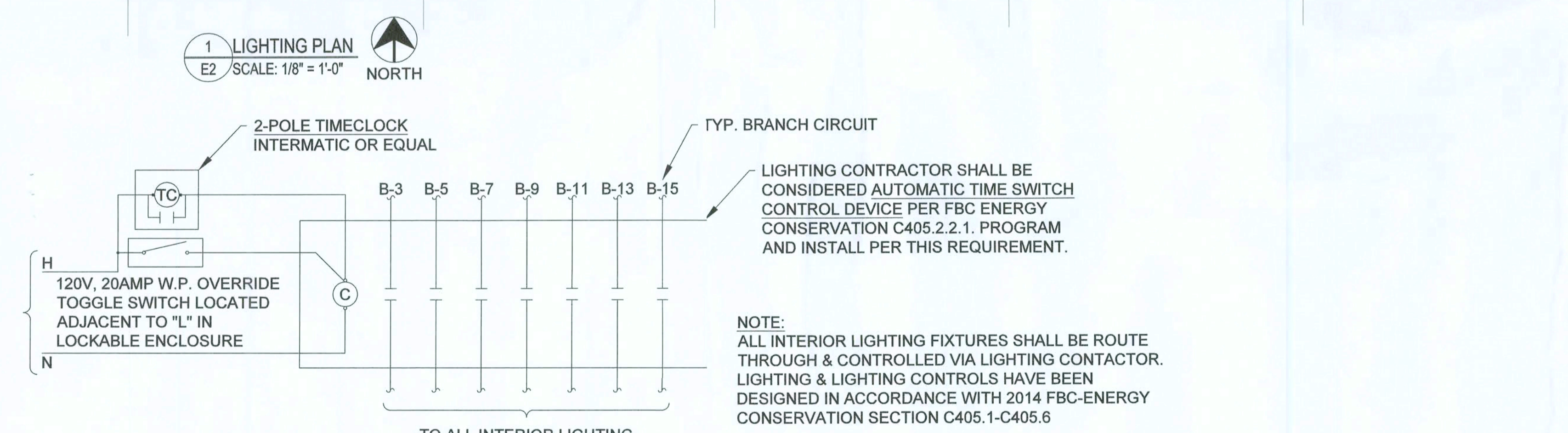
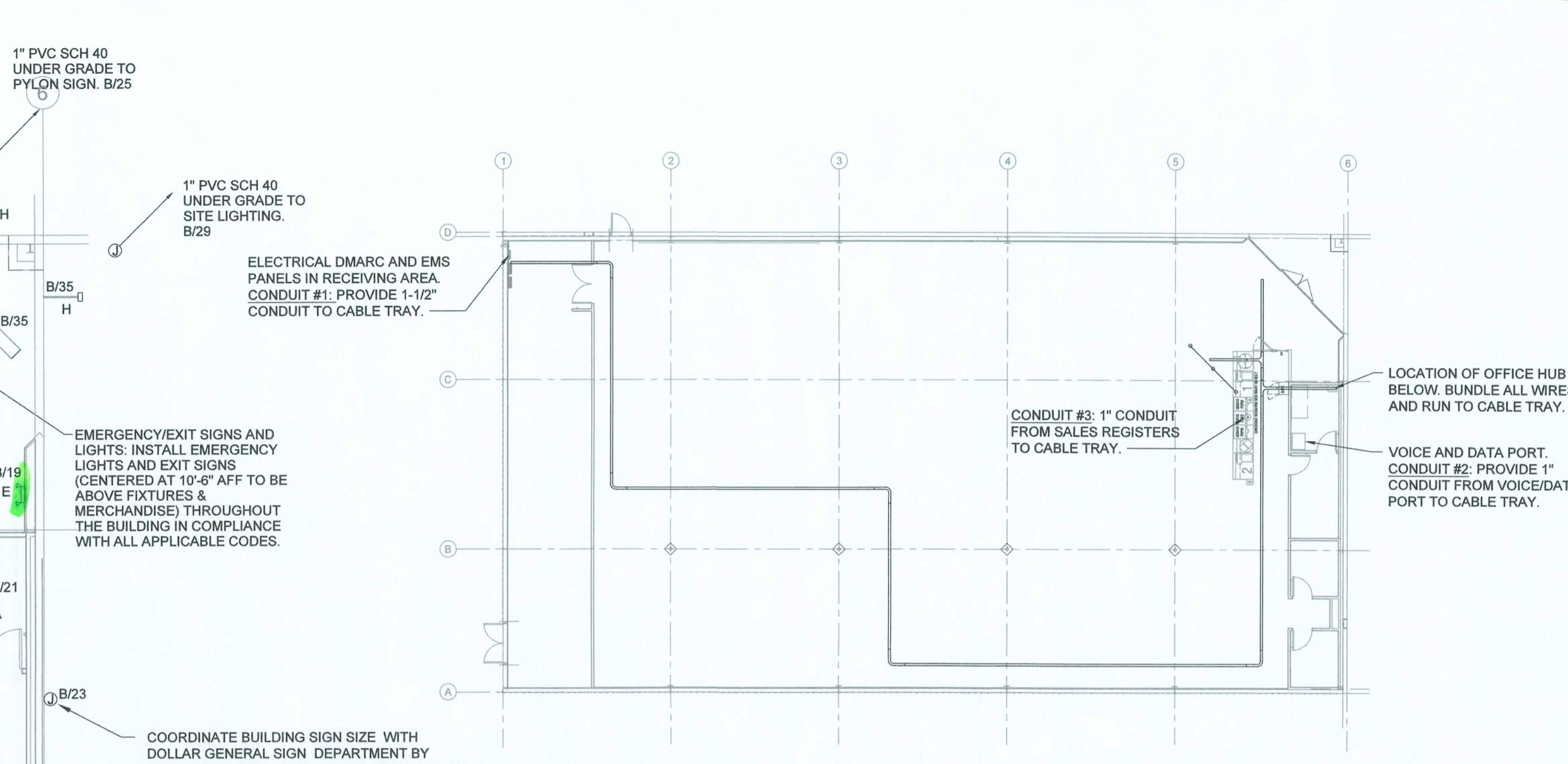
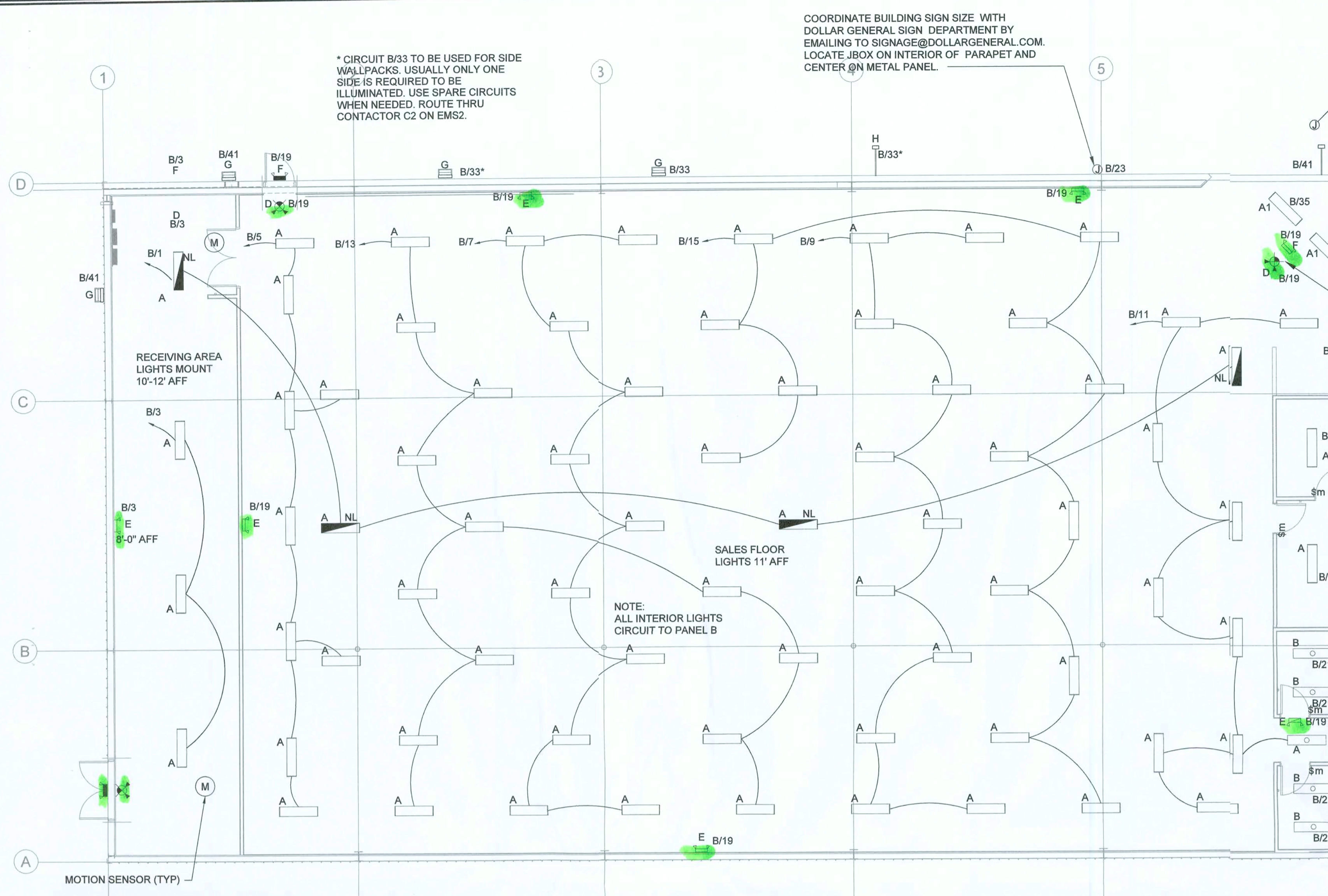
BASCOM NORRIS DR & LAKE JEFFREY RD
 LAKE CITY, FL 32055

STORE # 20885
 2018 PROTOTYPE - PLAN '9100F' - 9,100 SQ. FT.

SEAL DATE: 5/9/19

NAWWAF A. AHMAD
 LICENSE No. 56095
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

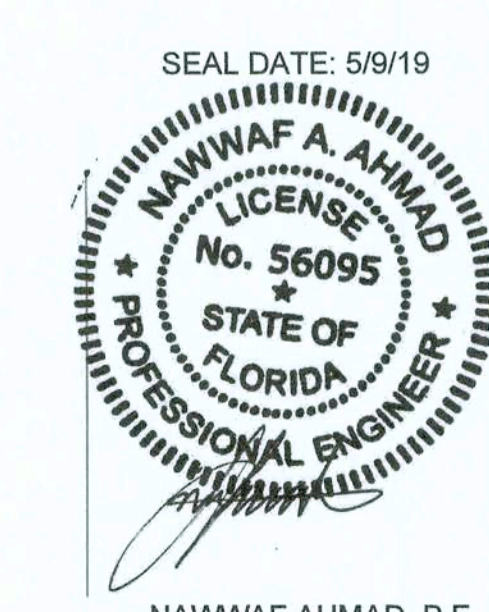
DRAWING DATE / DRAWN BY:	12/19 - NSA
REVISION DATE / REVISED BY:	
PROJECT NUMBER:	4000.180
DRAWING TITLE:	POWER PLAN
SHEET NO.:	E1



LEDS LIGHT FIXTURE SCHEDULE

SYMBOL	TYPE	MANF.	PART #	DESCRIPTION	W
A	A	ETI	54573161	4' LED FIXTURE AERIAL MOUNT INCLUDES (2) 8 FT CABLES	33
A1	A1	ETI	54573161	4' LED FIXTURE SURFACE MOUNT	33
B	B	ETI	54260161	2' LED FIXTURE SURFACE MOUNT	20
C	C	ETI	55301101	LED EXIT SIGN	-
D	D	ETI	55502201	LED EXIT SIGN / EMERGENCY LIGHT COMBO WITH (2) HEADS	-
E	E	ETI	55501101	LED EMERGENCY LIGHT WITH (2) HEADS	-
F	F	ETI	55503101	LED EGRESS EMERGENCY LIGHT WITH (2) HEADS	-
G	G	TECHLIGHT	LHWP-1-C-4-T3-F1-BZ	LED WALL PACK	38
H	H	TECHLIGHT	LSBT-1-C-X-T3-F1-BZ ON WMUPS42	LED AREA LIGHT ON WALL MOUNT 42" EXTENSION ARM	147
S	S	TECHLIGHT	(2) LSBT-1-C-X-T3-F1-BZ ON SSSP-24-4-11-BZ-DM2180	(2) LED AREA LIGHTS ON 24" POLE	294

NOTE: REFER TO SHEET 'T01' FOR NATIONAL ACCOUNT VENDORS LIST



CONCEPT COMPANIES

3917 NW 97th BOULEVARD / GAINESVILLE, FL 32606
PH: 877-305-1039 / FAX: 800-218-7809
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DOLLAR GENERAL

BASCOM NORRIS DR & LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20865
2018 PROTOTYPE - PLAN 19100F - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
1/2/19 - NSA

REVISION DATE / REVISED BY:

PROJECT NUMBER:
4000.180

DRAWING TITLE:
LIGHTING PLAN

SHEET NO.
E2

DESIGN ENGINEERING, INC.
SUSTAINABLE DESIGN & ENERGY MANAGEMENT SOLUTIONS
9001 Block Court, Suite 201 / Winter Park, FL 32789
(407) 796-8289 / (321) 251-5071 / Fax: / FortMeade 82819
www.designengineeringinc.com
Contact: Sam Ahmad

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NOTES	MOUNT: SURFACE 120/208 3-PHASE, 4W										PANEL A		CAPACITY: 400A				INT CAP: 400KA				NOTES
	LOCATION: BACK OF BLDG.										LUGS:		DEMAND LOAD: 287A				AV. FAULT: 32 KA				
	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT		
	1			11.2							A	20	1					0.1	2	C	
	3			11.2							B	20	1					0.4	4	C	
	5			11.2							C	20	1					0.2	6	C	
	7			11.2							A	20	1						8	C	
	9			11.2							B	20	1					0.7	10	C	
	11			11.2							C	20	1					0.2	12	C	
	13			13.5							A	20	1						14	C	
	15			13.5							B	20	1						16	C	
	17			13.5							C	20	1						18	C	
	19			1.7							A	20	1					0.5	20	C	
	21			1.7							B	20	1					1.0	22	C	
	23			0.2							C	20	1						0.2	24	C
	25			0.2							A	20	1						0.7	26	C
	27			1.2							B	20	1					0.5	28	C	
	29			1.2							C	20	1					0.5	30	C	
	31			1.2							A	20	1						32	C	
	33			1.2							B	20	1					0.5	34	C	
	35			1.8							C	20	1					0.8	36	C	
	37										A	20	1						38	C	
	39										B	20	1						40	C	
	41										C	20	1						42	C	

PHASE BALANCE	LOAD TYPE		CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD	
	LOAD	%	KVA	KVA	LOAD X 125% IEC 210.19 CONTINUOUS	CONNECTED	DEMAND
Φ	40.9 KVA	33%	107.5 KVA	86.0 KVA	10KVA + 50% REMAINDER NEC 220.44	124.9 KVA	103.4 KVA
A	42.7 KVA	34%	12.7 KVA	12.7 KVA	LOAD X 80% (USED MCA IN CALCULATION)	346.6A	286.9A
B	41.2 KVA	33%	0.0 KVA	0.0 KVA	LOAD X 100% NEC 210.19 NON-CONT.		
C					NONCOINCIDENTAL LOADS NEC 220.60		

NOTES:
A. AIC RATING: SERIES RATED AT 200,000 AMPS WITH BUSSMANN JLN FUSES.
B. BREAKERS FOR HVAC UNITS SHALL BE SIZED PER MANUFACTURER REQUIREMENTS.
C. BREAKER LOCK.
D. ISOLATED GROUND BUS.

NOTES	MOUNT: SURFACE 120/208 3-PHASE, 4W										PANEL B		CAPACITY: 200A				INT CAP: 200KA				NOTES
	LOCATION: BACK OF BLDG.										LUGS:		DEMAND LOAD: 122A				AV. FAULT: 32KA				
	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT		
	B,C	1	0.4								A	20	1					1.2	2	C	
	B,C	3	0.2								B	20	1					1.2	4	C	
	B	5	0.9								C	20	1					1.2	6	C	
	B	7	1.4								A	20	1					1.2	8	C	
	B	9	1.4								B	20	1					1.6	10	C	
	B	11	0.8								C	20	1					1.6	12	C	
	B	13	1.3								A	20	1					1.6	14	C	
	B	15	1.0								B	20	1					1.6	16	C	
	B	17									C	20	1						18	C	
	C	19	0.1								A	20	1						20	C	
	C	21	0.2								B	20	1					1.6	22	C	
	B	23	1.2								C	20	1					1.6	24	C	
	B	25	0.9								A	20	2					1.6	26	C	
	B	27									B	20	1					1.6	28	C	
	B	29	1.2								C	20	1					1.6	30	C	
	B	31	0.8								A	20	2					1.6	32	C	
	B	33	0.9								B	20	1					1.6	34	C	
	B	35	0.9								C	20	1					1.6	36	C	
	B	37	0.9								A	20	1						38	C	
	B	39	0.8								B	20	1						40	C	
	B	41	0.5								C	20	1						42	C	

PHASE BALANCE	LOAD TYPE		CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD	
	LOAD	%	KVA	KVA	LOAD X 125% IEC 210.19 CONTINUOUS	CONNECTED	DEMAND
Φ	13.0 KVA	33%	0.1 KVA	0.1 KVA	10KVA + 50% REMAINDER NEC 220.44	40.0 KVA	44.0 KVA
A	13.9 KVA	35%	24.0 KVA	24.0 KVA	LOAD X 80% (USED MCA IN CALCULATION)	111.0A	122.0A
B	13.1 KVA	33%	0.0 KVA	0.0 KVA	LOAD X 100% NEC 210.19 NON-CONT.		
C					NONCOINCIDENTAL LOADS NEC 220.60		

NOTES:
A. AIC RATING: SERIES RATED AT 200,000 AMPS WITH BUSSMANN JLN FUSES.
B. ROUTING TO THE EMS PANEL.
C. BREAKER LOCK.
D. ISOLATED GROUND BUS.

120/208 3-PHASE, 4W	PANEL LOAD	CAPACITY: 400A	TOTAL LOAD		
LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	CONNECTED	DEMAND
LIGHTING	10.2 KVA	12.8 KVA	LOAD X 125% NEC 210.19 CONTINUOUS	88.4 KVA	83.7 KVA
RECEPTACLE	5.1 KVA	5.1 KVA	10KVA + 50% REMAINDER NEC 220.44	245.3A	232.2A
HVAC	36.4 KVA	29.1 KVA	LOAD X 80% (USED MCA IN CALCULATION)		
MISC	36.7 KVA	36.7 KVA	LOAD X 100% NEC 210.19 NON-CONT.		
NP	0.0 KVA	0.0 KVA	NONCOINCIDENTAL LOADS NEC 220.60		

RTU'S DISCONNECT SIZE						
RTU#	MFG.	PHASE/VOLT.	MCA	OCPD	HEAT	MODEL NUMBER
#1	LENNOX	3-208V	93A	100A	ELECTRIC	LCH122U4EJ1Y
#2	LENNOX	3-208V	93A	100A	ELECTRIC	LCH122U4EJ1Y

CALL LENNOX

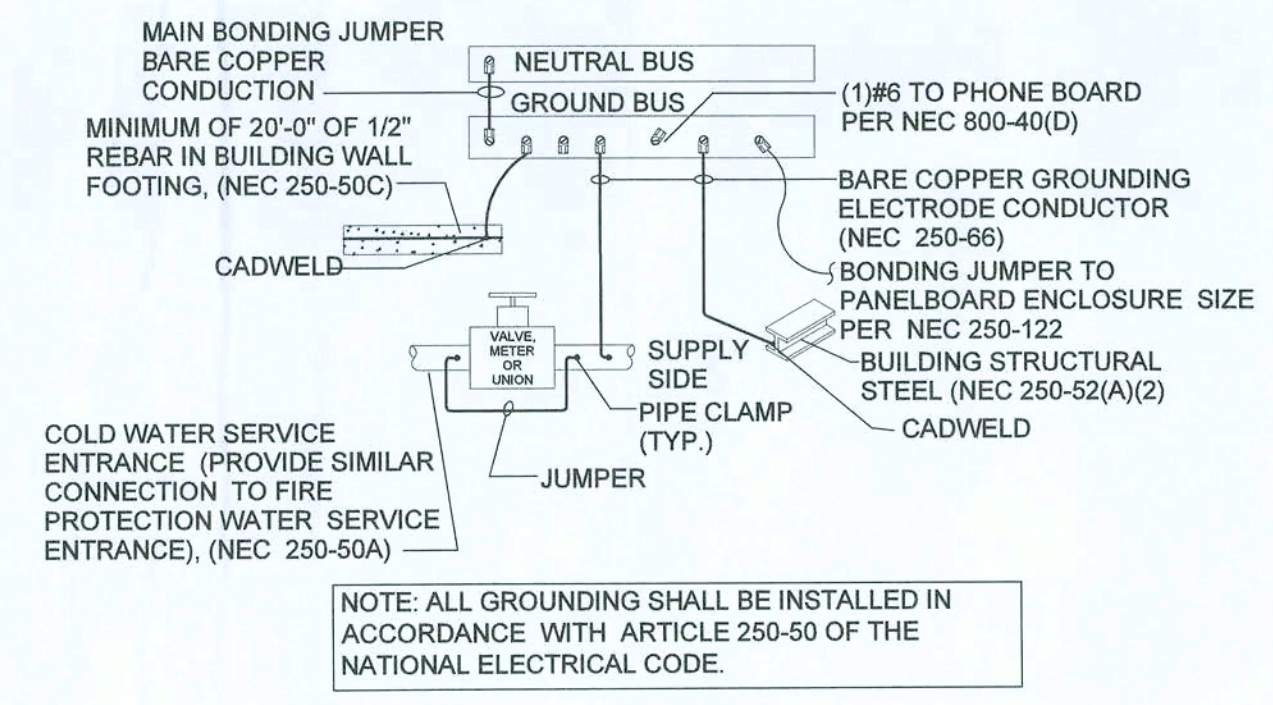
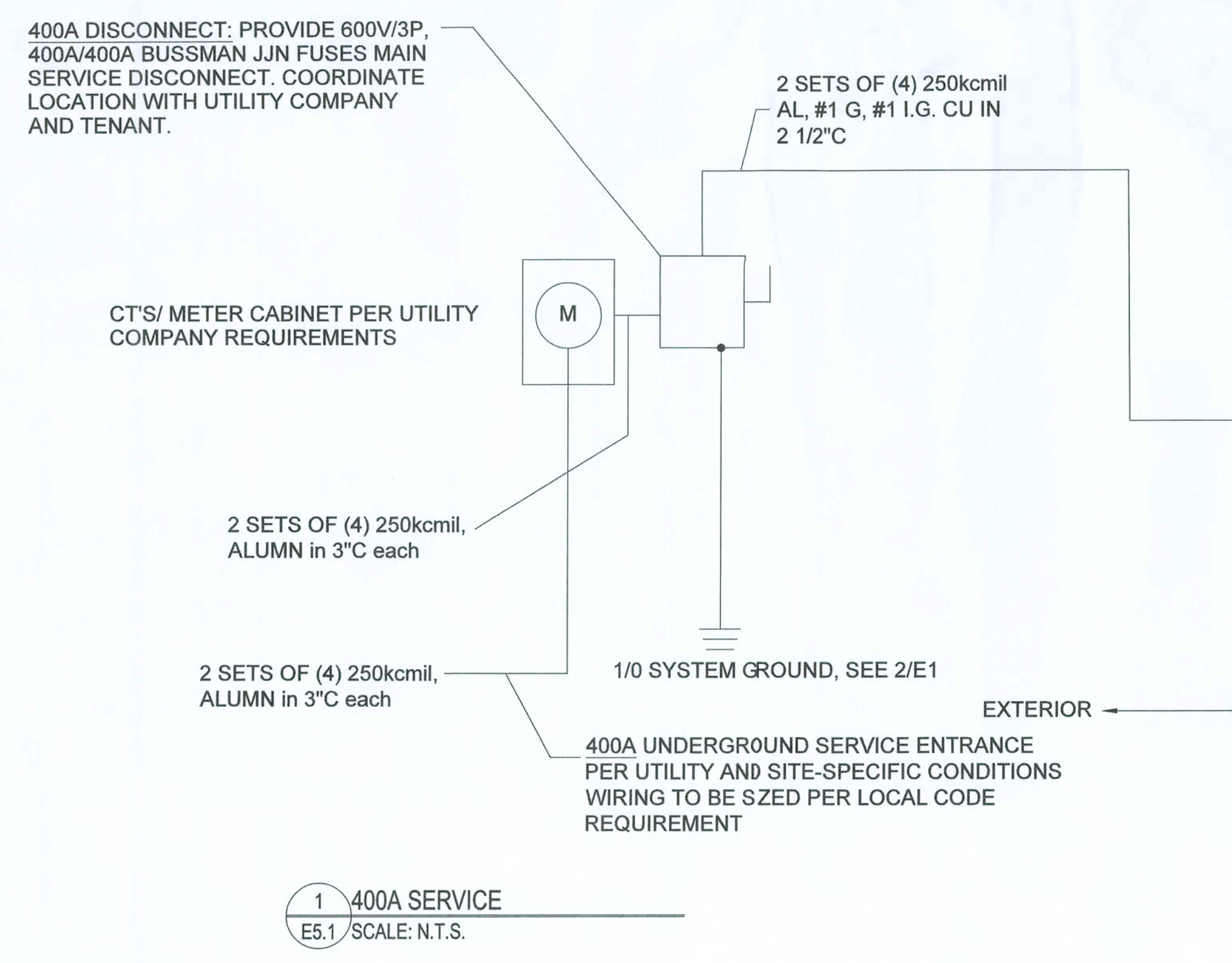
UTILITY TRANSFORMER FAULT CALCULATION	
SERVICE ENTRANCE	CALCULATION
VOLTAGE (L-L): 208V	I-FLA=[RATED KVA * 1000]/[V-L*SQRT(PHASE)]
PHASE (PH): 3	
AMPS: 400A	I-FLA= 416A
FULL LOAD KVA: 144KVA	M=100%/Z= 93.5
TRANSFORMER: 150KVA	I-SC=I-FLA*M= 39 KA
IMPEDANCE (%Z): 1.1%Z	

CALCULATION IS BASED ON ESTIMATED TRANSFORMER SIZE WITH %Z FROM BUSSMANN SPD. CONTRACTOR SHALL CONTACT UTILITY AND VERIFY I-SC AVAILABLE AT SECONDARY OF TRANSFORMER. CONTACT ENGINEER FOR RE-CALCULATION IF LARGER THAN CALCULATED.

MOTOR LOAD FAULT CALCULATION	
STARTING I-SC:	CALCULATION
39 KA	I-SC(ML)=ML*6= 606A
MOTOR LOAD (KVA): 36KVA	
MOTOR LOAD (A): 101A	I-SC=I-SC+I-SC(ML)= 40 KA

FEEDER FAULT CALCULATION	
STARTING I-SC:	IMPEDANCE BASED ON 3 SINGLE
40 KA	CONDUCTORS IN NON-MAGNETIC CONDUIT
VOLTAGE (L-L): 208V	
PHASE (PH): 3	
FEEDER SIZE: 250	CALCULATION
FEEDER MATERIAL: AL	*F=[SQRT(PHASE*L*IS-CJ)/[Q*V-L]]
PARALLEL SETS (Q): 2	
FEEDER LENGTH (L): 20FT	F= 0.256
FEET PER OHMS (C): 12,862 FT/OHMS	M=1/(1+F)= 0.796
	I-SC=I-SC*M= 31 KA

*F FOR SINGLE PHASE SYSTEMS, FEEDER LENGTH IS DOUBLED AND VOLTAGE IS LINE-NEUTRAL (OR V*LL/2)



THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES & REGULATIONS:

- 2014 NFPA 70 (NATIONAL ELECTRICAL CODE)
- 2017 FLORIDA FIRE PREVENTION CODE (6TH ED.)
- 2013 NFPA 72
- 2015 NFPA 101 (LIFE SAFETY CODE)
- 6TH EDITION OF THE FLORIDA BUILDING CODE (2017)
- 6TH EDITION OF FBC ENERGY CONSERVATION CODE (2017)

VOLTAGE DROP

THIS PROJECT IS IN COMPLIANCE WITH 2014 FBC-ENERGY CONSERVATION C405.7.3 & NEC 210.19 WITH REGARDS TO VOLTAGE DROP FOR BOTH FEEDER/CUSTOMER-OWNED SERVICE CONDUCTORS (2%) & BRANCH CIRCUIT CONDUCTORS (3%).

1 400A SERVICE
ES.1 SCALE: N.T.S.

2 GROUNDING DETAIL
ES.1 SCALE: N.T.S.

SEAL DATE: 5/9/19

NAWWAF A. AHMAD
LICENSE
No. 56095
STATE OF FLORIDA
PROFESSIONAL ENGINEER

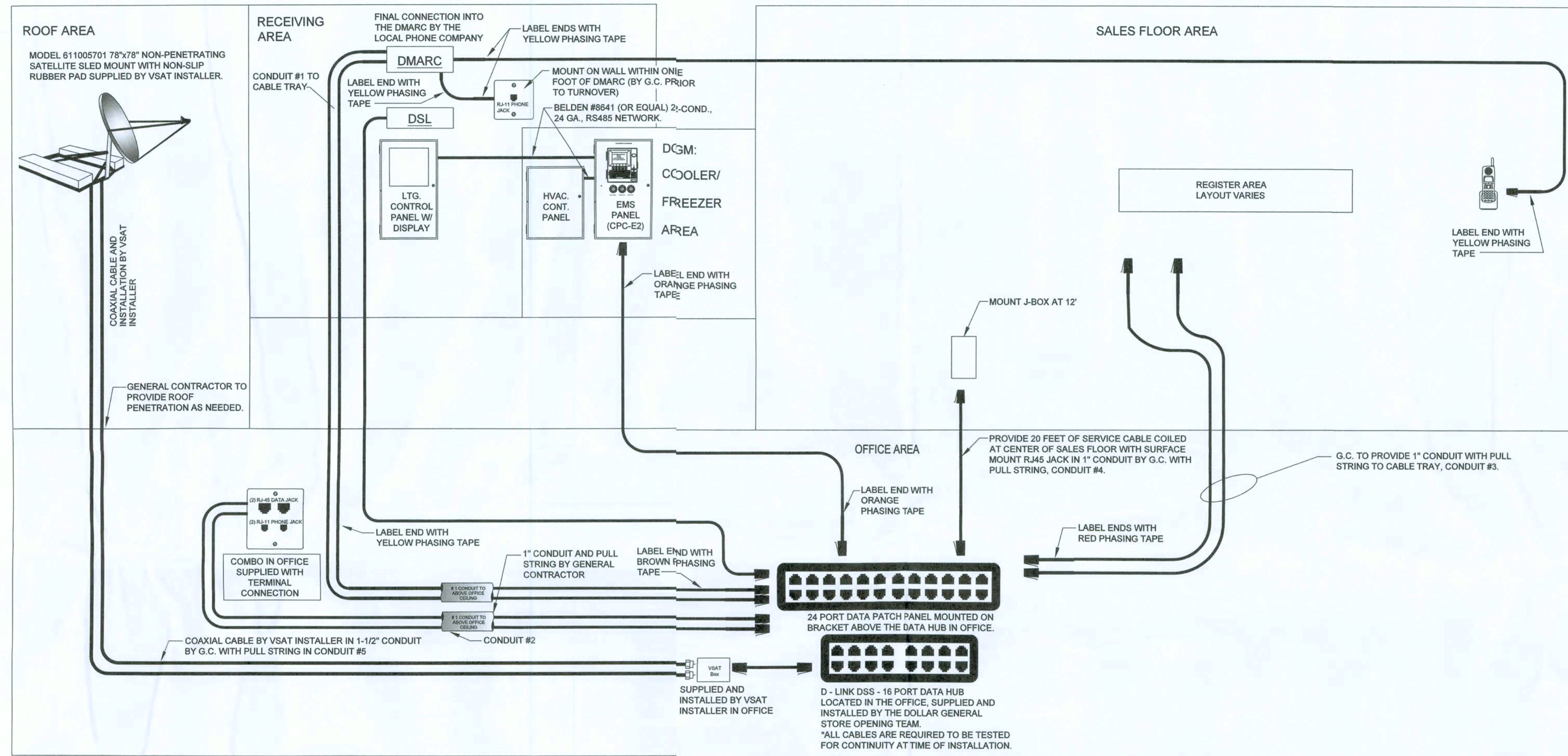
DESIGN ENGINEERING, INC.
SUSTAINABLE DESIGN & ENERGY MANAGEMENT SOLUTIONS
6001 Brick Court, Suite 201, Winter Park, FL 32782
www.designengineering.com
Contact: Sara Ahmad
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CONCEPT COMPANIES
3917 NW 97th Ave, Suite 1000, Gainesville, FL 32606
PHONE: 877-305-1025 / FAX: 352-336-2188
WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL
BASCOM NORRIS DR & LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 208986

2018 PROTOTYPE - PLAN '9100F' - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY: 1/2/19 - NSA
REVISION DATE / REVISED BY:
PROJECT NUMBER: 4000.180
DRAWING TITLE: PANEL SCHEDULE 3-PH
SHEET NO.
E3.1



CONDUIT NUMBER	START	END	SIZE	CONDUIT RESPONSIBILITY	*CABLING RESPONSIBILITY
1	RECEIVING AREA	CABLE TRAY	1-1/2"	GENERAL CONTRACTOR	LOW VOLTAGE VENDOR
2	OFFICE VOICE / DATA PORT	OFFICE (HUB)	1"	GENERAL CONTRACTOR	LOW VOLTAGE VENDOR
3	OFFICE (HUB)	CABLE TRAY	1"	GENERAL CONTRACTOR	LOW VOLTAGE VENDOR
4	CENTER OF SALES FLOOR CONNECTION	OFFICE (HUB)	1"	GENERAL CONTRACTOR	LOW VOLTAGE VENDOR
5	SATELLITE	OFFICE (HUB)	1-1/2"	GENERAL CONTRACTOR	LOW VOLTAGE VENDOR

*UNLESS OTHERWISE NOTED, ALL RESPONSIBILITIES SHOULD FOLLOW THIS CHART.

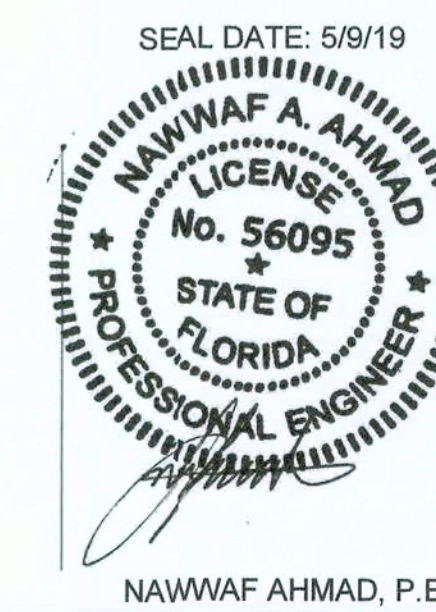
ALL CABLES AT THE OFFICE WILL NEED TO BE WRAPPED IN PHASING TAPE CONSISTENT WITH THE FOLLOWING COLORS:

- RED TAPE — CASH REGISTER DATA
- BLUE TAPE — ELEC. EMS DATA
- BROWN TAPE — OFFICE DATA
- ORANGE TAPE — COOLER/FREEZER EMS DATA
- YELLOW TAPE — PHONE CABLE TO DMARC

- Wire Symbols
- RJ-45: 24 GA., 4 TWISTED PAIR, CATEGORY-FIVE (CAT 5) DATA CABLE WITH MODULAR RJ-45 END.
 - RJ-11: 24 GA., 4 TWISTED PAIR, CATEGORY-FIVE (CAT 5) DATA CABLE WITH MODULAR RJ-11 END. USE ONLY THE BLUE & WHITE AND SOLID BLUE WIRES. ALL OTHER WIRES TO BE FOLDED BACK AND TAPED TO THE CABLE.
 - COAXIAL CABLE WITH RF CONNECTOR

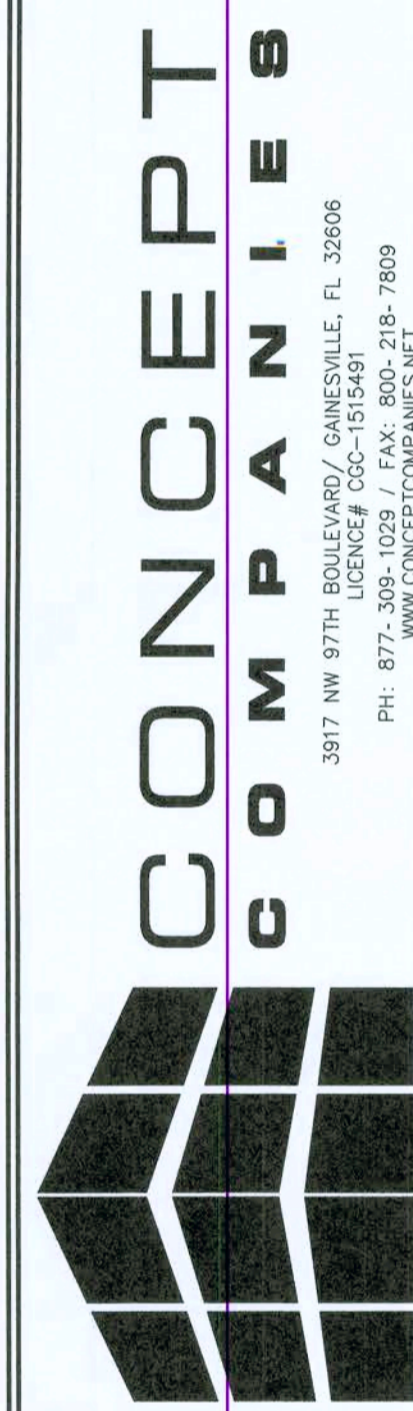
NOTES:

- A. WHEN LOW VOLTAGE PERMITS ARE REQUIRED, THE GC/DEVELOPER/LLD IS RESPONSIBLE FOR OBTAINING ALL LOW VOLTAGE PERMITS.
- B. LOW VOLTAGE VENDOR RESPONSIBLE FOR ALL WIRE MANAGEMENT IN CABLE TRAY.
- C. GC TO PROVIDE AND INSTALL CABLE TRAY AND ALL CONDUIT.



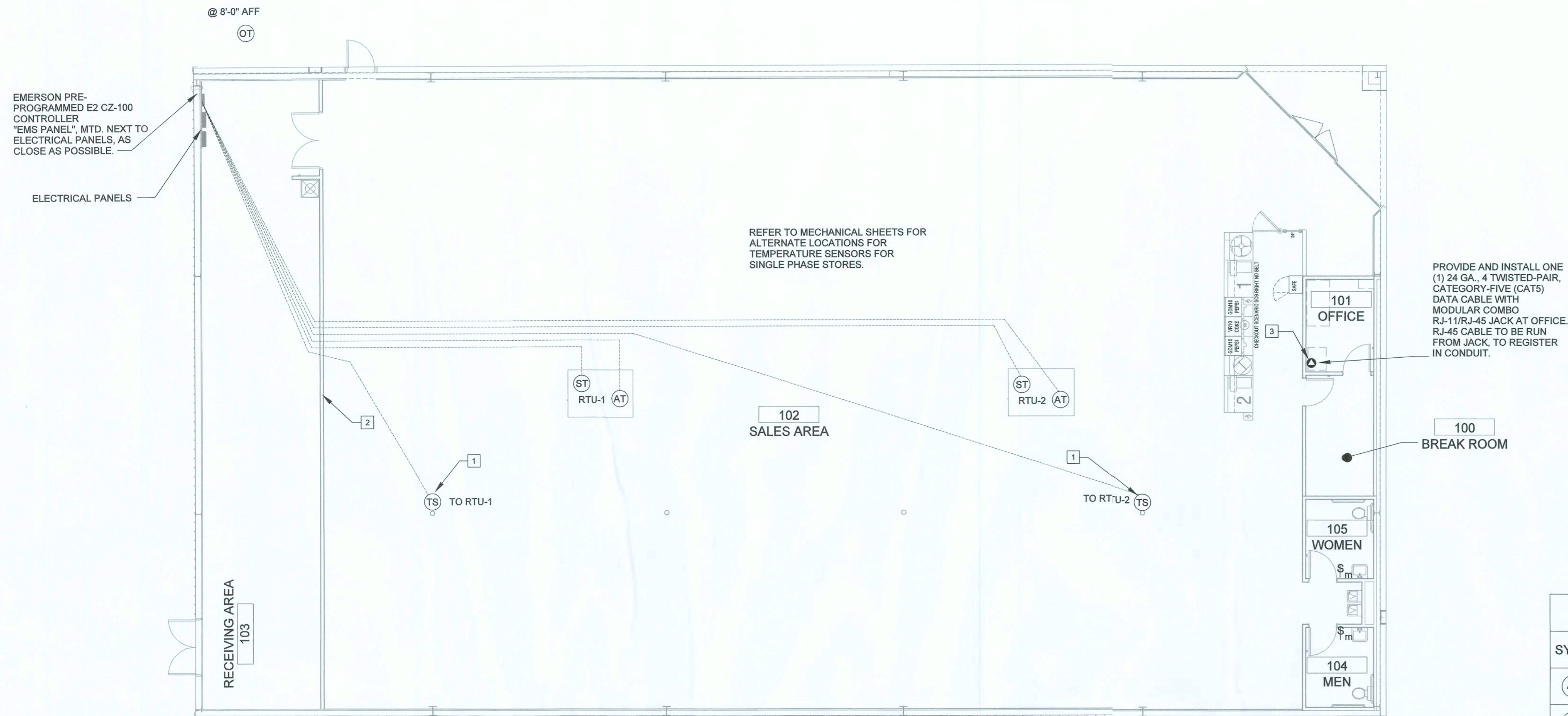
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DOLLAR GENERAL
BASCOM NORRIS DR & LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20885
2018 PROTOTYPE - PLAN 3'100" - 8,100 SQ. FT.

DRAWING DATE / DRAWN BY: 1/2/19 - NSA
REVISION DATE / REVISED BY:
PROJECT NUMBER: 4000.180
DRAWING TITLE: DATA ROUTING & CCTV
SHEET NO. E4



EMERSON PRE-PROGRAMMED E2 CZ-100 CONTROLLER "EMS PANEL", MTD. NEXT TO ELECTRICAL PANELS, AS CLOSE AS POSSIBLE.

ELECTRICAL PANELS

REFER TO MECHANICAL SHEETS FOR ALTERNATE LOCATIONS FOR TEMPERATURE SENSORS FOR SINGLE PHASE STORES.

PROVIDE AND INSTALL ONE (1) 24 GA., 4 TWISTED-PAIR, CATEGORY-FIVE (CAT5) DATA CABLE WITH MODULAR COMBO RJ-11/RJ-45 JACK AT OFFICE. RJ-45 CABLE TO BE RUN FROM JACK, TO REGISTER IN CONDUIT.

NOTE: PLAN IS DIAGRAMIC ONLY. HOLD CONDUIT TIGHT TO EXPOSED MAIN GIRTS AND RUN AS HIGH AS POSSIBLE ALONG PERIMETER WALLS TO RECEIVING AREA.

1 EMS/LOW VOLTAGE PLAN
EMS1/SCALE: N.T.S. NORTH

GENERAL NOTES

- REFER TO E1 FOR GENERAL CONTRACTOR RESPONSIBILITIES. E.C. MAY USE CABLE TRAY FOR LOW VOLTAGE CABLES, SEE 2/EZ.
- RUN CONDUIT FROM SENSORS TO BOTTOM OF STRUCTURE.
- REFRIGERATION UNITS TO BE CONNECTED TO EMS PANEL BY DOLLAR GENERAL REFRIGERATION CONTRACTOR.

SENSOR PLAN KEYED NOTES

- ALWAYS INSTALL THESE SENSORS AT 8'-0" A.F.F. THE EXACT MOUNTING LOCATION OF THE HVAC SENSORS "TS" MAY VARY DEPENDING ON THE STORE LAYOUT & DUCT CONFIGURATION. REFER TO SITE SPECIFIC MECHANICAL DRAWINGS FOR HVAC ZONED SENSOR MOUNTING LOCATIONS. IF SENSORS ARE MOUNTED ON EXTERIOR WALLS DUE TO DUCT CONFIGURATION, THEY ARE THEN TO BE INSULATED TO PREVENT AIR INFILTRATION. IF ADDITIONAL HVAC UNITS ARE USED, ADD ADDITIONAL TEMPERATURE SENSORS "TS".
- ADD ADDITIONAL HVAC UNIT WHEN REQUIRED.
- PHONE LINE #1 - TWO RJ-11 PORTS. ONE (1) LOCATED IN OFFICE W/RJ-45 DATA JACK COMBO AND ONE (1) AT REGISTER. 24 GA. CAT 5, 4-PAIR TWISTED WIRE ONLY. USE BLUE AND BLUE & WHITE WIRES. HOOK TO LINE #1 TERMINAL IN RJ-11 JACK EACH PHONE JACK TO HAVE DEDICATED, SEPARATE HOME RUN TO DMARC. LABEL AS "PHONE" AT THE DESTINATION AND AT DMARC. PHONE COMPANY PROVIDES FINAL HOOK UP TO DMARC ONLY. PHONE LINE #2 - RJ-11 PHONE JACK SUPPLIED AND WIRED BY CONTRACTOR.

DEVICE SCHEDULE

SYMB	DESCRIPTION	CABLE TYPE	SUPPLIER	INSTALLER	NOTES
(AT)	AHU TERMINAL STRIP	8C T-STAT CABLE	EMS SUPPLIER	GENERAL CONTRACTOR	(1) PER HVAC UNIT
(OT)	OUTDOOR AIR TEMP MOUNTED 8'-0" A.F.F.	BELDEN 8761 OR EQUIVALENT (22AWG, 2C, STRANDED, SHIELDED)	EMS SUPPLIER	GENERAL CONTRACTOR	(1) PER RECEIVING ENTRY
(ST)	SUPPLY TEMP (501-1121) IN SUPPLY DUCT	BELDEN 8761 OR EQUIVALENT (22AWG, 2C, STRANDED, SHIELDED)	EMS SUPPLIER	GENERAL CONTRACTOR	(1) PER HVAC UNIT
(TS)	TEMP SPACE SENSOR (809-6590) 8'-0" A.F.F.	BELDEN 8761 OR EQUIVALENT (22AWG, 2C, STRANDED, SHIELDED)	EMS SUPPLIER	GENERAL CONTRACTOR	(1) PER HVAC UNIT ZONE
○	RJ-11/RJ-45 DATA JACK PHONE COMBO	CAT-5 DATA CABLE (24AWG, 4 TWISTED PAIR)	GENERAL CONTRACTOR	GENERAL CONTRACTOR	(1) AT OFFICE COMPUTER CART
⊕m	MOTION SENSOR SWITCH	LEVITON EZ-FIND ODS-10-IDW	GENERAL CONTRACTOR	GENERAL CONTRACTOR	(1) PER RESTROOM (1) PER BREAK ROOM (1) PER OFFICE

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SUSTAINABLE DESIGN & ENERGY MANAGEMENT SOLUTIONS
6001 Bess Court, Suite 201 / Winter Park, FL 32792
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CONCEPT COMPANIES
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PH: 877-399-1029 / FAX: 800-228-7809
WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL
BASCOM NORRIS DR & LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 2088E
2018 PROTOTYPE - PLAN 9100F - 9,100 SQ. FT.

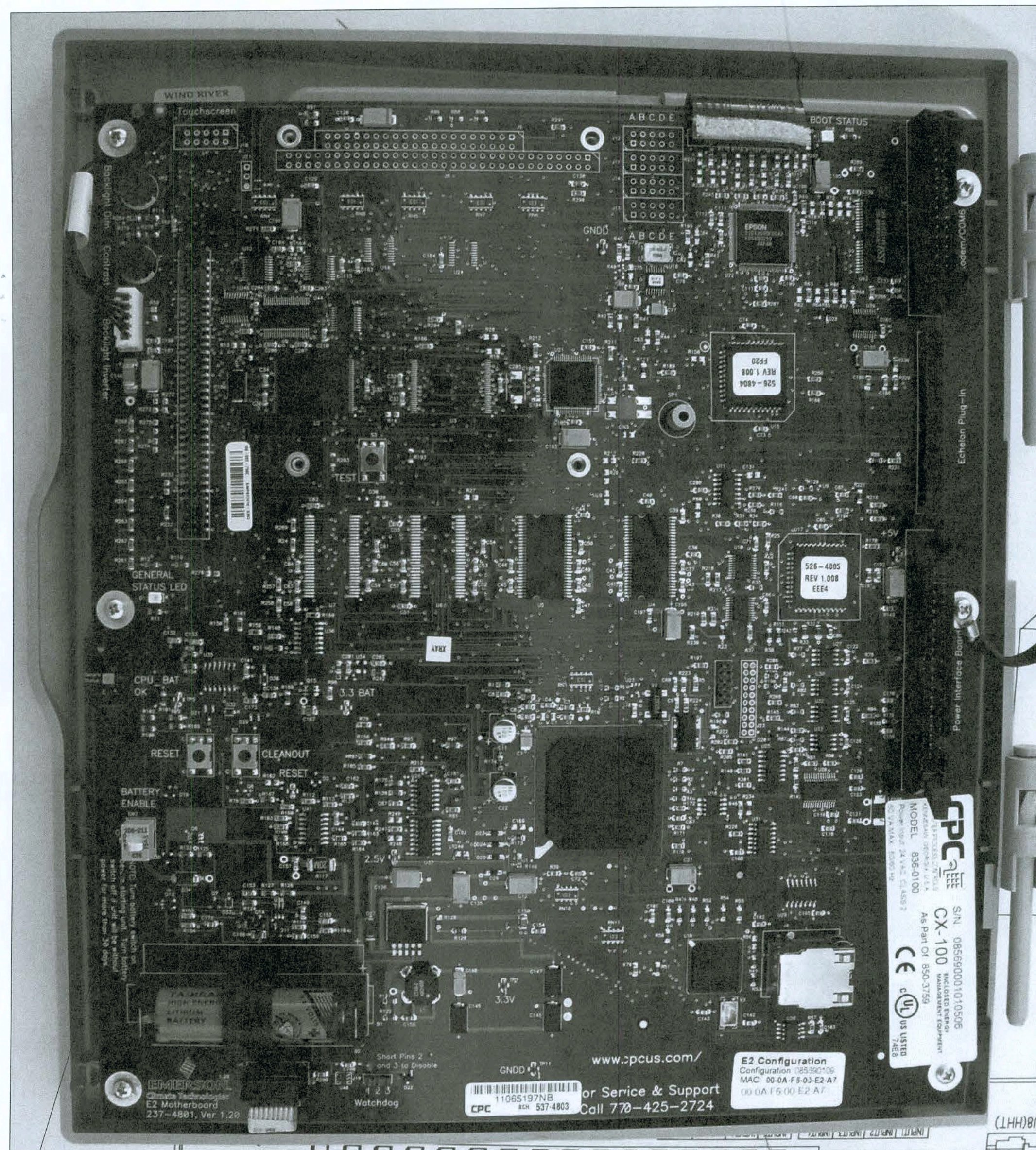
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SEAL DATE: 5/9/19

NAWWAF A. AHMAD
LICENSE No. 56095
STATE OF FLORIDA
PROFESSIONAL ENGINEER

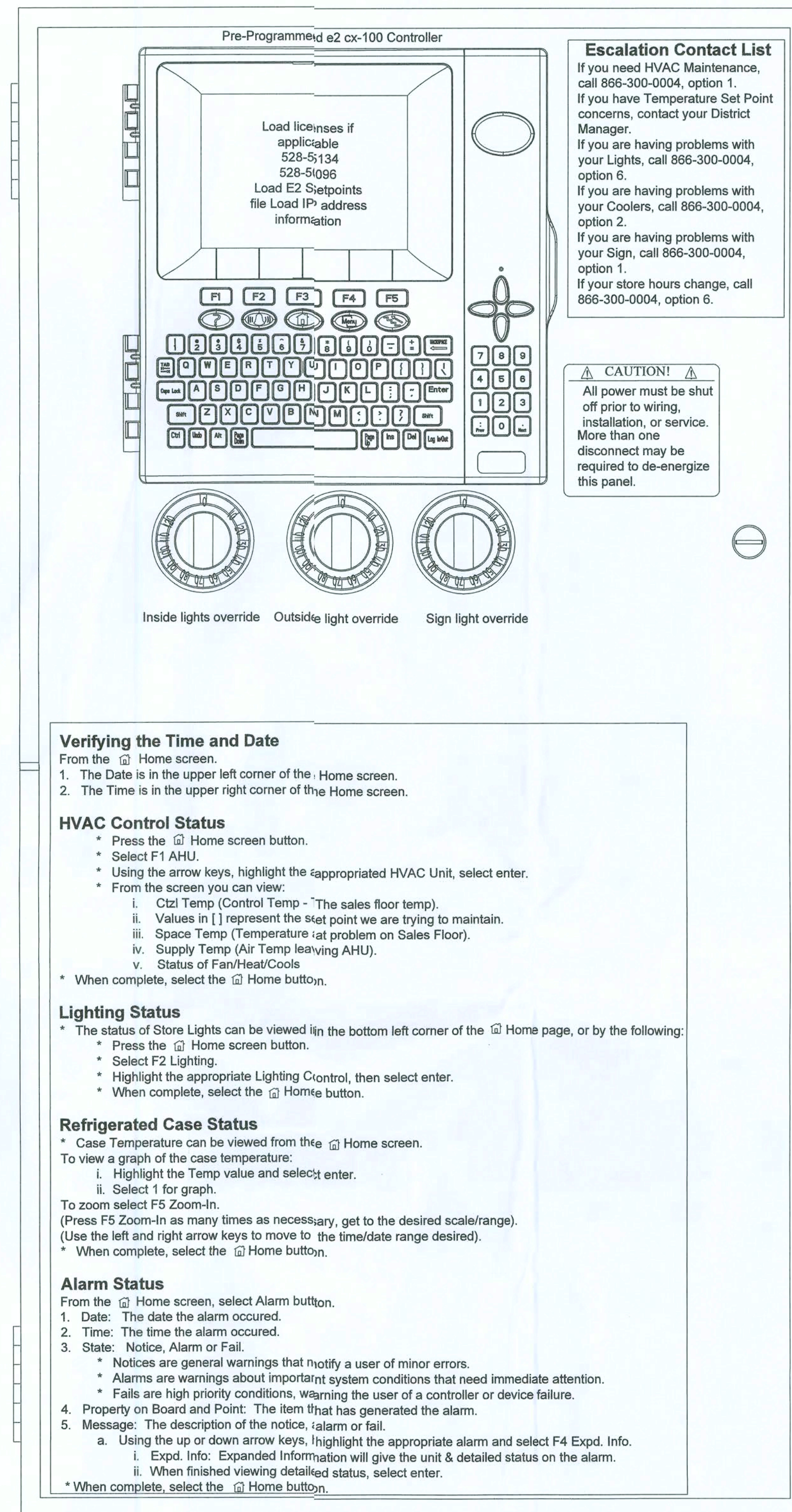
DRAWING DATE / DRAWN BY:
1/2/19 - NSA
REVISION DATE / REVISED BY:
PROJECT NUMBER:
4000.180
DRAWING TITLE:
EMS/LOW VOLTAGE
SHEET NO.
EMS1

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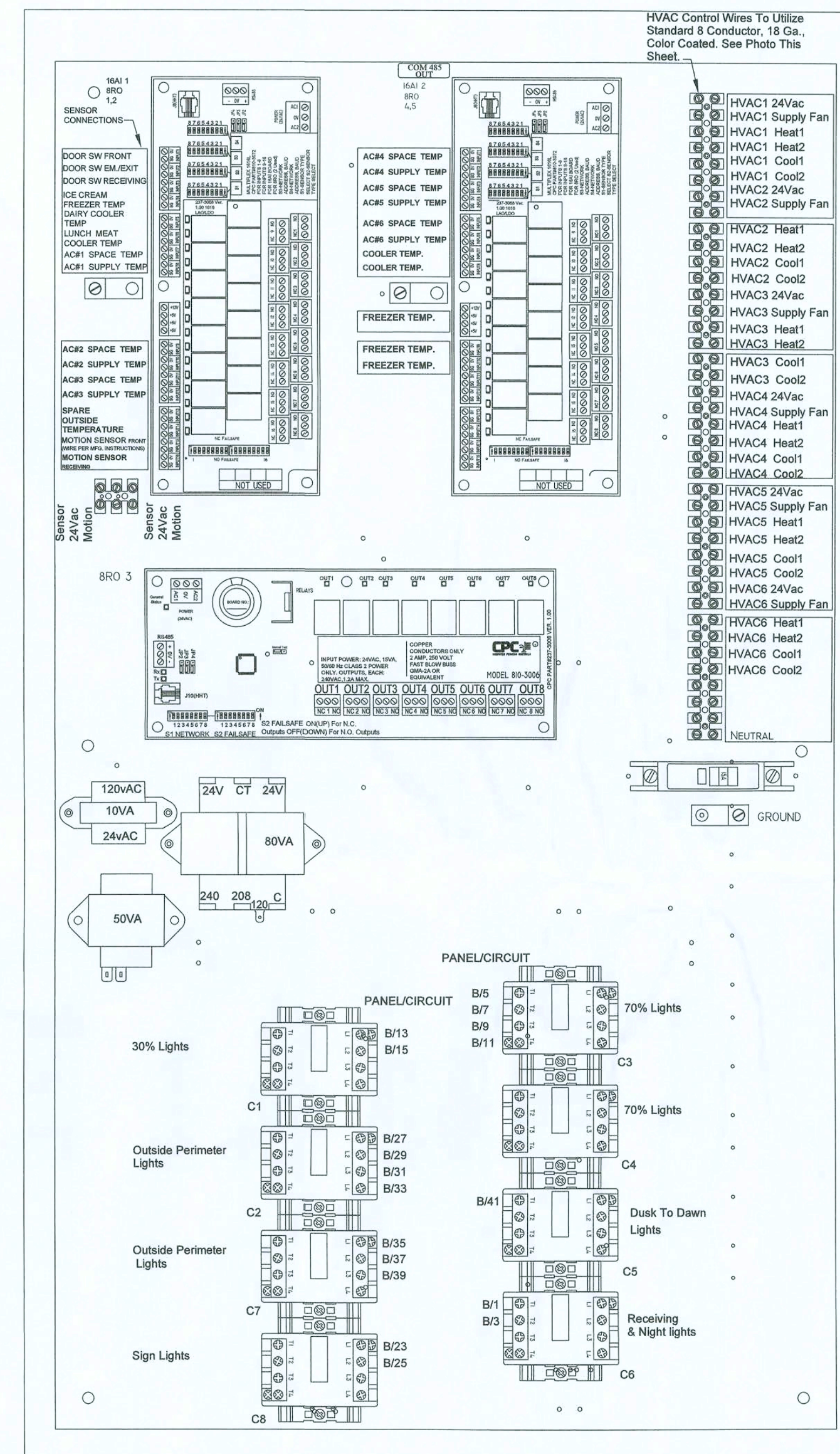


GENERAL CONTRACTOR TO ENSURE THAT THE BATTERY ENABLE IS SWITCHED TO THE "ON" POSITION

1 CPU TERMINAL DIAGRAM
EMS2/SCALE: N.T.S.

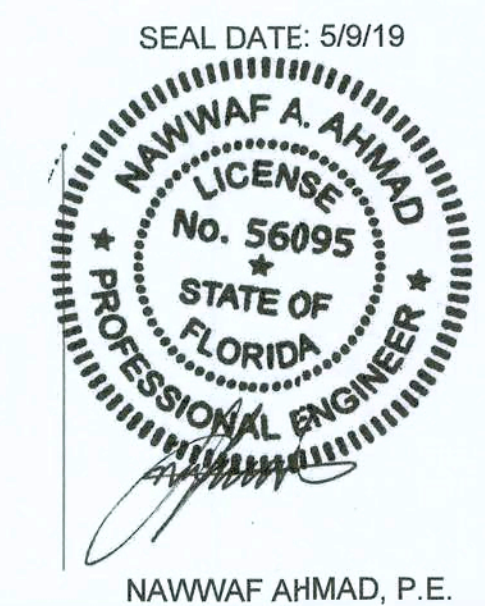


2 PROGRAMMER CONTROLLER
EMS2/SCALE: N.T.S.



3 CONTROL WIRING DIAGRAM
EMS2/SCALE: N.T.S.

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DESIGN ENGINEERING INC.
SUSTAINABLE DESIGN & ENERGY MANAGEMENT SOLUTIONS
8001 Brick Court, Suite 201 / Water Park, FL 32782
(407) 756-8237 / (561) 291-5207 / Fax: (407) 756-8238
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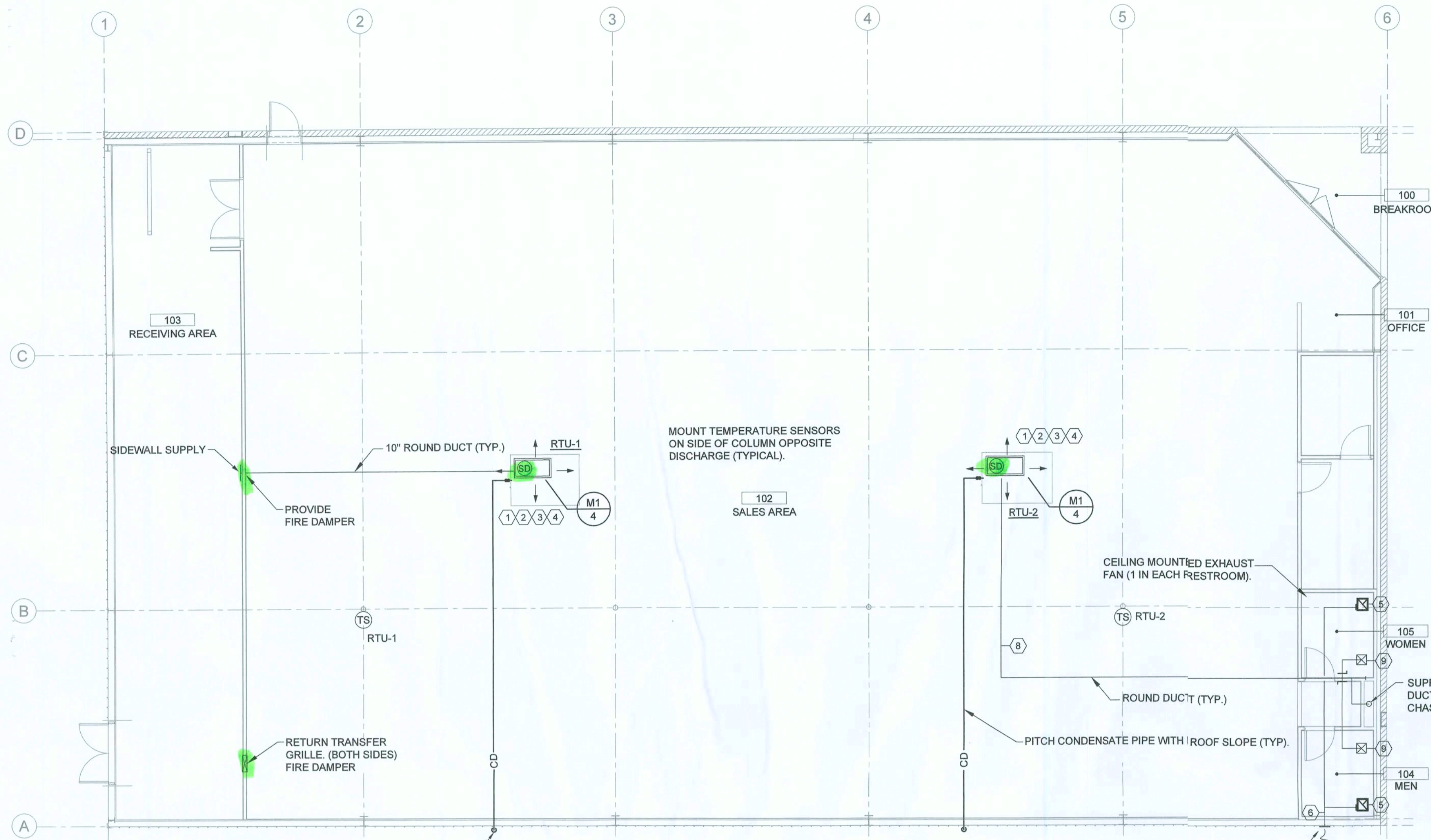
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DOLLAR GENERAL
BASCOM NORRIS DR & LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20866
2018 PROTOTYPE - PLAN '9' 000' - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY: 1/2/19 - NSA
REVISION DATE / REVISED BY:
PROJECT NUMBER: 4000,180
DRAWING TITLE: EMS PANEL CONTROLS
SHEET NO.

EMS2



NOTE:
 ALL WORK TO COMPLY WITH THE 6TH EDITION OF THE 2017 FLORIDA BUILDING CODE MECHANICAL

1 MECHANICAL PLAN
 M1 SCALE: 1/8" = 1'-0"

DESIGN CRITERIA

BUILDING ENVELOPE MAXIMUM U-FACTORS:

STANDING STEAM ROOF WITH THERMAL BLOCK	0.065
METAL BUILDING EXTERIOR WALL	0.113
METAL FRAMED EXTERIOR WALL	0.124
STOREFRONT METAL FRAMED GLAZING SYSTEM	0.90
EXTERIOR METAL MAN DOOR	0.65 (S.H.G.C.)

ZONE	PEOPLE	ELECT. LOAD	VENTILATION (OUTDOOR AIR)
SALES AREA	114	17072W	0.12 CFM/SF
RECEIVING AREA	2	260W	0.12 CFM/SF
OFFICE	1	32W	0.08 CFM/SF
BREAKROOM	2	32W	0.06 CFM/SF
MEN'S RESTROOM	-	64W	50 CFM CONTINUOUS (OR 70 CFM INTERMITTENT) EXHAUST.
WOMEN'S RESTROOM	-	64W	50 CFM CONTINUOUS (OR 70 CFM INTERMITTENT) EXHAUST.

THESE VALUES ARE SUBJECT TO REVIEW AND REVISION. VALUES SHOULD BE MODIFIED AS REQUIRED FOR EACH PROJECT. IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL TO CALCULATE THE HEAT GAINS/LOSSES FOR EACH PROJECT AND REVIEW EQUIPMENT SIZES.

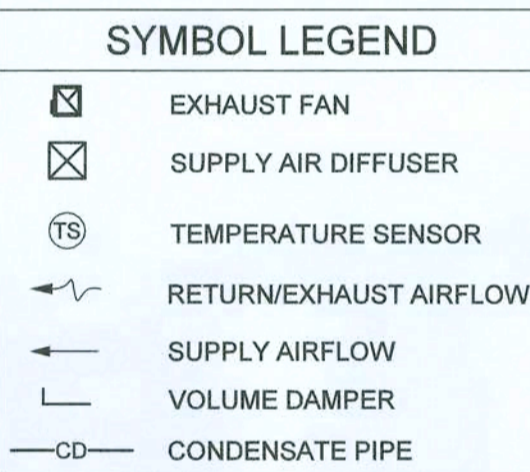
SPECIFY SEISMIC RESTRAINT SYSTEMS FOR ALL PIPING, DUCTWORK AND EQUIPMENT AS REQUIRED, IN ACCORDANCE WITH ALL APPLICABLE CODES.

AIR CONDITIONING SCHEDULE

MARK	RTU - 1, 2
AREA	RETAIL SPACE
BTUH SENSIBLE	103,500
BTUH TOTAL	150,000 (12.5-TONS)
ENTERING DB / WB	80 / 67
OUTSIDE TEMP.	95° F
SUPPLY CFM	5,000
EXTERNAL SP.	0.6
OSA CFM	REFER TO PLANS
FAN H.P.	3.0
HEAT Kw	30
VOLTAGE / PHASE	208 / 3Ø
MCA	93
FUSE SIZE	100
SEER (EER) / IPLV	(12) / 12.4
REFRIGERANT	R-410A
MODEL NO.	LCH122U4EJ1Y
MANUFACTURER	LENNOX
UNIT WEIGHT	2,500 lbs.

- NOTES:**
- PROVIDE FILTER RACK w/2" 30-35% FILTERS
 - PROVIDE SOLID-STATE HEAD PRESSURE CONTROL ON CONDENSER FAN FOR LOW AMBIENT CONTROL
 - PROVIDE 5-MINUTE SOLID STATE DELAY CONTROL TO PREVENT COMPRESSOR FROM SHORT CYCLING
 - INSTALL UNIT PER MANUFACTURER'S SPECIFICATIONS AND GUIDELINES
 - PROVIDE UNIT WITH ELECTRIC HEAT AND SINGLE POINT CONNECTION
 - UNIT DISCONNECT AND CONVENIENCE OUTLET PROVIDED BY DIV-16
 - PROVIDE FACTORY MOUNTED OUTSIDE AIR HOOD WITH AUTOMATIC DAMPER
 - PROVIDE MICROMETEL CONCENTRIC DIFFUSER KIT #CNKT-0550-18HD FOR LENNOX OR EQUAL YORK 12.5-TON W/FACTORY INSTALLED TRANSITION ADAPTER AT RTU. (COORDINATE WITH LIGHT FIXTURES)

- HVAC UNITS TO BE PROVIDED WITH:**
- FACTORY INSTALLED:**
- THRU-THE-BASE CONNECTIONS
 - LOW / HIGH GAS HEAT OPTION (AS SPECIFIED BY ENGINEER)
 - BELT DRIVE BLOWER
 - COATED COILS (WHEN LOCATED WITHIN 10 MILES FROM COASTLINE)
- FACTORY FURNISHED FOR FIELD INSTALLATION:**
- ELECTRIC HEAT (AS SPECIFIED BY ENGINEER)
 - ECONOMIZER WITH BAROMETRIC RELIEF
 - DUAL ENTHALPY SENSOR
 - CONCENTRIC DIFFUSER KIT (AS SPECIFIED BY HVAC MANUFACTURER)
 - SMOKE DETECTOR (AS REQUIRED)



NOTES AND SPECIFICATIONS

- ALL MECHANICAL WORK SHALL BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL LAWS AND ORDINANCES AND IN A MANNER SATISFACTORY TO THE OWNER AND AUTHORITY HAVING JURISDICTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS, INSPECTIONS AND PAY ALL APPLICABLE FEES.
- LENNOX, CARRIER OR YORK PACKAGED HVAC SYSTEMS ARE REQUIRED. SEE MANUFACTURER AND HEATING SOURCE REQUIREMENT BY REGION ON THIS SHEET. ALL HVAC EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS WRITTEN INSTALLATION GUIDE.
- PROVIDE CONCENTRIC DIFFUSER KIT AS SPECIFIED BY DOLLAR GENERAL NATIONAL ACCOUNTS HVAC MANUFACTURERS. (NO EXCEPTIONS PERMITTED). CONCENTRIC DIFFUSER KIT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. CONCENTRIC DIFFUSER SHALL BE HARD DUCTED FROM HVAC UNIT. THE USE OF FLEXIBLE DUCT DROPS ARE NOT ALLOWED, NO EXCEPTIONS.
- ENGINEER SHALL PERFORM COMPLETE LOAD CALCULATIONS BASED ON CURRENT ADOPTED MECHANICAL AND ENERGY CODE REQUIREMENTS FOR BUILDING COMPONENTS.
- HVAC UNIT QUANTITY AND SIZES SHALL BE DETERMINED BY ENGINEERED HEATING AND COOLING LOAD CALCULATIONS, USING ASHRAE DATA AND DESIGN CRITERIA ON THIS PAGE. AN ADDITIONAL UNIT IS REQUIRED IF THE AVERAGE DAILY TEMPERATURE OF ANY ONE MONTH EXCEEDS 95°F.
- IF REQUIRED, ENGINEER SHALL DEFINE AN ADDITIONAL ZONE AND ADD AN ADDITIONAL TEMPERATURE SENSOR "TS".
- ALL HVAC UNITS SHALL PROVIDE A MINIMUM DISCHARGE AIR TEMPERATURE OF 90°F DURING HEATING MODE.
- ELECTRIC HVAC UNITS REQUIRE A NOMINAL 30KW HEAT STRIP, MINIMUM. ENGINEER SHALL DETERMINE IF HEAT STRIP UPGRADE IS REQUIRED, TO MEET HEATING MODE MINIMUM DISCHARGE TEMPERATURE.
- ALL HVAC UNITS REQUIRE AN ECONOMIZER AND BAROMETRIC RELIEF.
- IF REQUIRED, PROVIDE SMOKE DETECTOR FOR HVAC UNIT. VERIFY CURRENT ADOPTED STATE AND LOCAL CODE REQUIREMENTS FOR INSTALLATION AND MOUNTING LOCATION OF SMOKE DETECTOR.
- REFER TO SHEET S3, FOR GENERAL NOTES AND DETAILS FOR ROOF CURB INFORMATION.
- ALL SUPPLY AND EXHAUST AIR DUCTWORK SHALL BE CONSTRUCTED OF ROUND GALVANIZED SHEET METAL AND BE FABRICATED ACCORDING TO THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK. SUPPLY, RETURN AND POSITIVE PRESSURE EXHAUST DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH SMACNA SEAL CLASS C.
- TESTING OF HVAC UNITS THRU EMS PANEL IS ACCOMPLISHED BY WARMING UP OR COOLING DOWN A SPACE TEMPERATURE SENSOR AND WATCH THE FAN, HEAT AND COOL STAGES CYCLE ON AND OFF. THIS REQUIRES TWO PEOPLE AT ALL TIMES...ONE TO WATCH THE SCREEN AND THE OTHER TO WATCH OPERATION OF THE HVAC UNIT. WHEN COMPLETE, PRESS THE HOME BUTTON TO RETURN TO THE MAIN SCREEN.
- COORDINATE HVAC SENSORS LOCATIONS WITH SHEET EMS1. LOCATE SPACE TEMPERATURE SENSORS AT 8'-0" A.F.F.
- POWER TO HVAC UNITS LISTED IN PREFERENCE ORDER.
- PROVIDE CEILING MOUNTED EXHAUST FAN FOR RESTROOMS, INTERLOCK WITH RESTROOM LIGHTS. EXHAUST FAN SHALL BE VENTED THRU SIDE WALL, NOT THRU THE ROOF.
- CONCENTRIC DIFFUSERS, AVAILABLE THROUGH YORK, CAN BE USED ON ALL VENDORS' EQUIPMENT. CONTACT YORK NATIONAL PRICING FOR INFORMATION. LOCATE THE BOTTOM OF DIFFUSER AT 12'-0" AFF.

SMOKE DETECTOR NOTES:

- THE DUCT SMOKE DETECTORS SHALL BE INSTALLED TO STOP THE FAN IN THE HVAC DUCT SYSTEM OVER 2,000cfm PER NFPA 90A.6.4(2)(1)
- THE ACTUATION OF A DUCT SMOKE DETECTOR SHALL ACTIVATE A VISIBLE & AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION
- SMOKE DETECTOR TROUBLE CONDITION SHALL BE INDICATED VISUALLY OR AUDIBLY IN A NORMALLY OCCUPIED AREA AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE.
- PROVIDE A REMOTE ALARM INDICATOR/ANNUNCIATOR IN ACCORDANCE WITH NFPA 72.6.10.2
- DETECTOR SHALL BE TYCO-SIMPLEX 4098-9686 OR EQUIV. (COMPLYING WITH UL 268A)
- SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH FBC 2017 6th EDITION OF MECHANICAL CODE, SECTION 606.

EQUIPMENT LABEL SPECIFICATIONS:

- ALL HVAC EQUIPMENT SHALL BE FURNISHED WITH BLACK LAMINATED PLASTIC LABEL w/WHITE ENGRAVED LETTERING AND FASTENED MECHANICALLY TO THE EQUIPMENT.
- LABEL SHALL HAVE THE FOLLOWING INFORMATION w/1/2" LETTERING:
 EQUIPMENT #
 SUITE/SPACE #

MECHANICAL KEYED NOTES:

- RTU-1 THRU RTU-2. PROVIDE AND INSTALL NEW LENNOX PACKAGE ROOF-TOP UNIT. SEE SCHEDULE FOR UNIT INFORMATION.
- SMOKE DETECTOR TO BE INSTALLED IN SUPPLY AIR DUCTWORK FOR ROOF-TOP UNIT. FIELD COORDINATE WITH FIRE ALARM SYSTEM DUCT AND LOCAL CODES.
- INSTALL MICROMETEL CONCENTRIC DIFFUSER KIT# CNKT-0550-18HD FOR LENNOX 12.5 TON UNITS OR EQUAL YORK. WITH FACTORY INSTALLED TRANSITION ADAPTER AT RTU. COORDINATE WITH LIGHT FIXTURES.
- SUPPLY REGISTER MOUNTED ON CEILING. BALANCE AT 4.250 cfm EACH RTU.
- EXHAUST FAN TO BE MOUNTED ON DUCTWORK ROUTED TO SIDEWALL. PROVIDE STORM PROOF WALL CAP w/BACKDRAFT DAMPER (TYP.).
- 8"Ø EXHAUST DUCT TO WALL CAP.
- WALL CAP w/BACKDRAFT DAMPER.
- 8"Ø DUCT (w/DAMPERS) SPLIT TO TWO 4"Ø DUCTS.
- SUPPLY GRILL (w/DAMPER) (HART & COOLEY A504 12x12 OR EQUIV.)

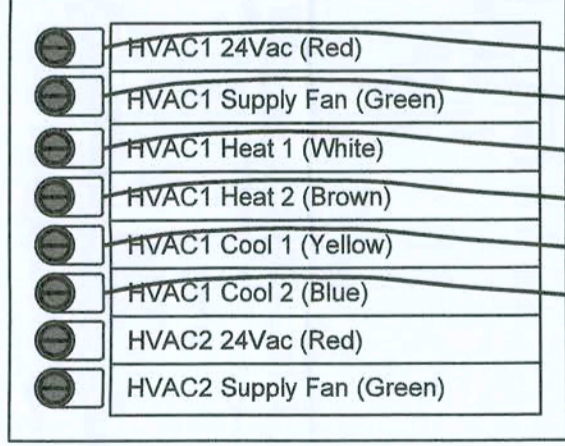
AIR BALANCE ANALYSIS

MARK	SUPPLY AIR	OSA INTAKE	RETURN AIR	EXHAUST AIR	BLDG. PRESSURE
RTU-1	5,000	750	4,250	-	750
RTU-2	5,000	750	4,250	-	750
EF-1	-	-	-	110	-110
EF-2	-	-	-	110	-110
TOTALS:	9,600	1,500	8,500	220	+1,280

VENTILATION REQUIREMENTS

ROOM NUMBER	ROOM NAME	NET AREA (SF)	PEOPLE PER 1,000 sq. ft.	NO. OF PEOPLE	CFM PER PERSON	CALCULATED OSA CFM	OSA PROVIDED CFM
100	BREAK ROOM	83	-	1	20	20	20
101	OFFICE	79	-	1	20	20	20
102	SALES AREA	5,922	15	198	7.5	855	1,030
103	RECEIVING AREA	954	-	4	0.12 cfm/sq.ft.	117.9	118
104	MEN'S RESTROOM	50	-	1	20	20	20
105	WOMEN'S RESTROOM	50	-	1	20	20	20
TOTAL AMOUNT OF OSA PROVIDED:							1,288

TABLE NOTES: BASED ON 2017 FBC MECHANICAL - 6th EDITION CODE TABLE 403.3

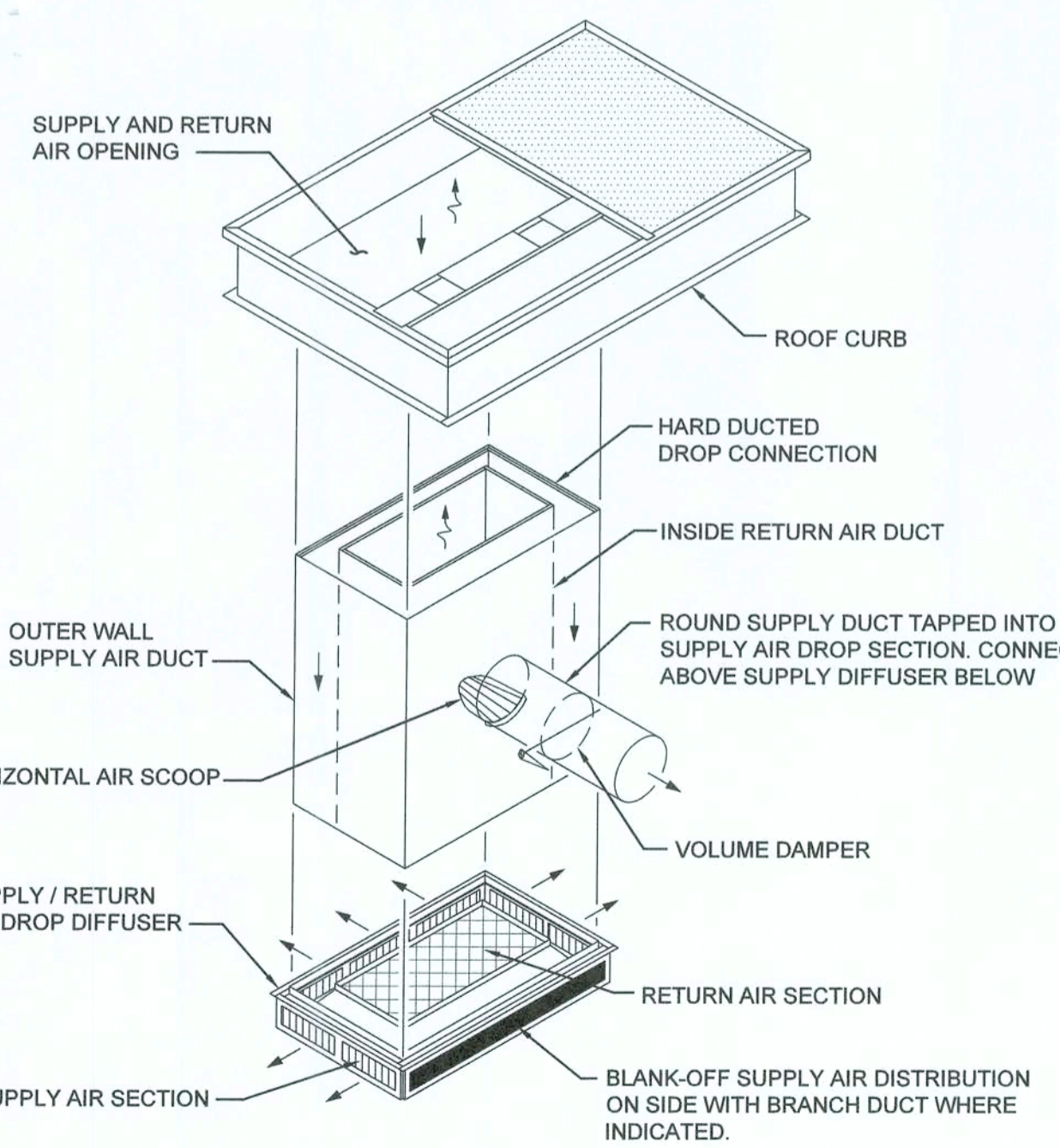
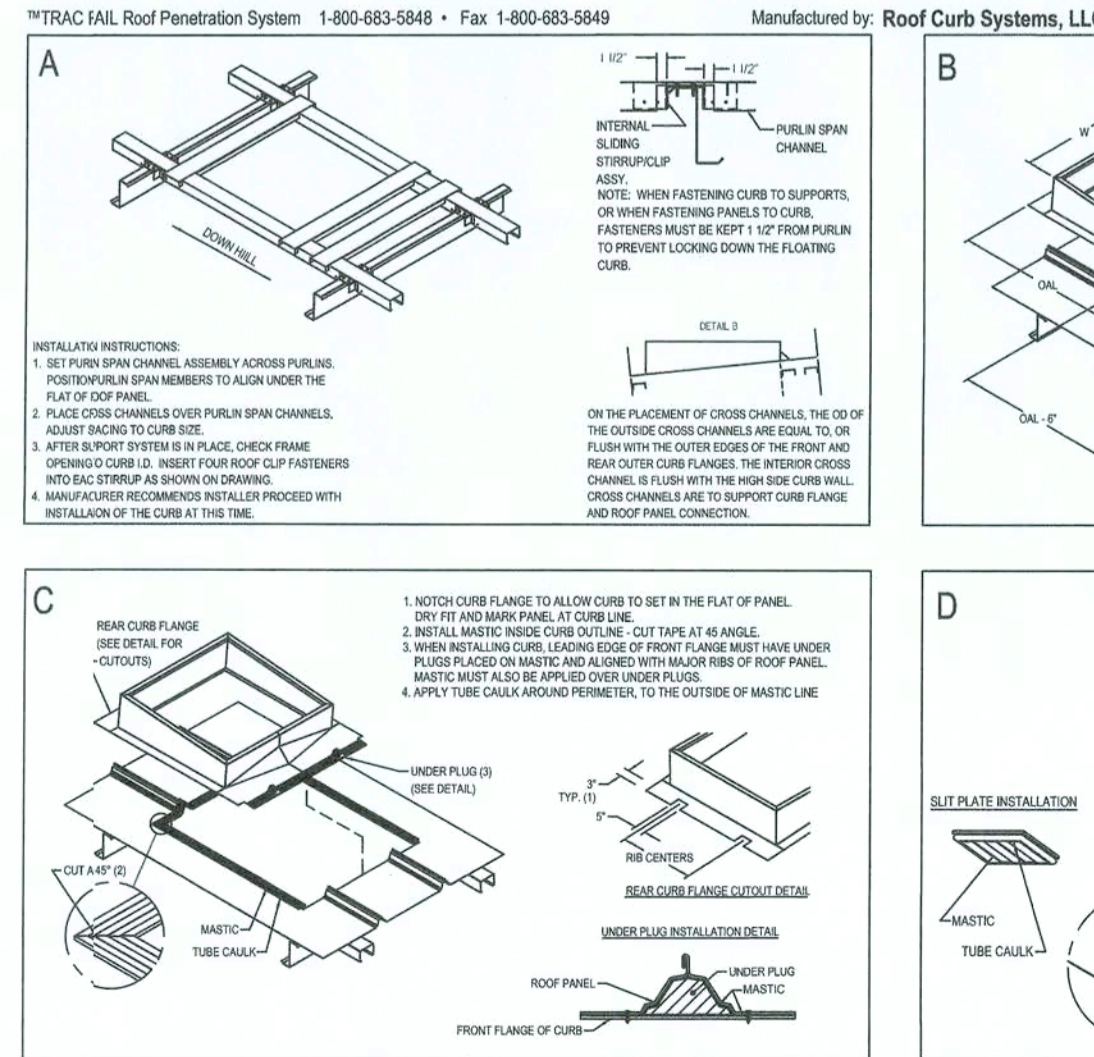
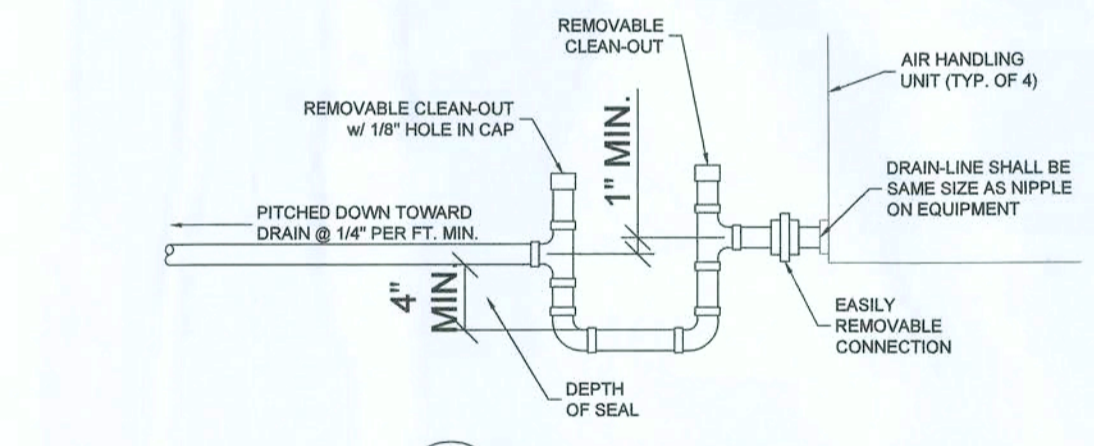


EXHAUST FAN SCHEDULE

UNIT NO.	SERVICE	LOCATION	CFM	E.S.P. (IN W.G.)	ELECTRICAL DATA (WATTS / VOLTS / PHASE)	R.P.M. HI/LO	SONES	DRIVE	MANUFACTURER MODEL NUMBER	REMARKS
EF-1	TOILET	CEILING	110	.125	156 / 120 / 1	-	4.0	DIRECT	NUTONE #672R	1, 2, 3, 4, 5
EF-2	TOILET	CEILING	110	.125	156 / 120 / 1	-	4.0	DIRECT	NUTONE #672R	1, 2, 3, 4, 5

REMARKS:

- PROVIDE UNIT MOUNTED DISCONNECT
- PROVIDE BACKDRAFT DAMPERS & WALL CAP
- PROVIDE SPEED CONTROLLER
- INTERLOCK FAN WITH LIGHT SWITCH
- FANS TO BE U.L. LISTED & AMCA CERTIFIED.



NOTE:
 INSTALL HORIZONTAL AIR SCOOP HAVING A CONTINUOUSLY CURVED CROSS SECTION AND BALANCING DAMPER AT DUCT CONNECTION TO DIVERT SUPPLY AIR INTO THE CONNECTED DUCTWORK. LENGTH OF SCOOP SHALL BE LIMITED TO THE WIDTH OF THE SUPPLY AIR ANNULAR SPACE.

CONCEPT COMPANIES
 3917 NW 97th Avenue, Gainesville, FL 32606
 PH: 877-309-1029 / FAX: 800-218-7809
 WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL
 BASCOM NORRIS DR & LAKE JEFFREY RD
 LAKE CITY, FL 32055
 STORE # 20895
 2018 PROTOTYPE - PLAN 9100P - 9,100 SQ. FT.

NAWWAF A. AHMAD
 LICENSE NO. 56095
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

DATE: 5/9/19

DRAWING DATE / DRAWN BY: 1/21/19 - NSA
 REVISION DATE / REVISED BY:
 PROJECT NUMBER: 4000.180
 DRAWING TITLE: MECHANICAL PLAN
 SHEET NO.: M1

Foreword

This publication details the installation requirements for dynamic application fire dampers as manufactured by Miami Tech Inc. Use of this manual for systems or products not manufactured or supplied by Miami Tech Inc shall not be applicable.

All products covered by this manual have been tested in accordance with UL555 and are authorized to bear the UL classification mark for fire dampers. Specific Fire Damper model numbers and their corresponding UL file numbers may be found in UL's Fire Resistance Directory. Miami Tech Inc. Fire Dampers have met current UL requirements for Dynamic Curtain Style Fire Dampers July 2002.

For specific fire damper location requirements, duct construction and connection or installation practices, refer to the following codes or standards:

NFPA Publications:
NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilation Systems

UL Publications:
UL555 - Standard for Safety, Fire Dampers, Dynamic Dampers 7/2002.

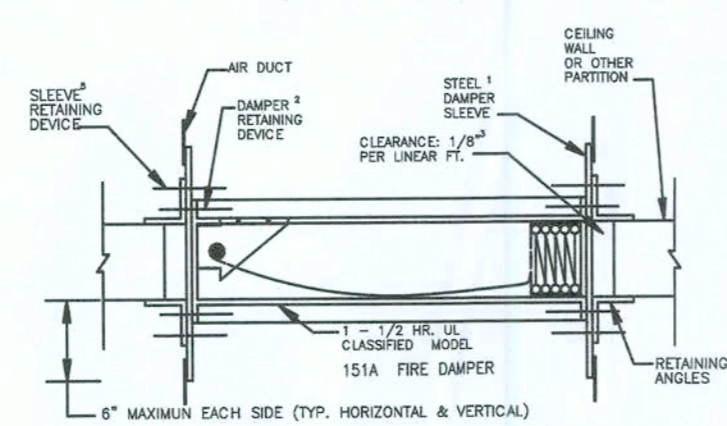
SMACNA Publications:
Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems Guide
HVAC Duct Construction Standards - Metal and Flexible

The Installation Instructions found within this manual have been specifically drawn and detailed to meet the requirements of UL555. Some jurisdictions may require additional or different installation methods; therefore, consult with the authority having jurisdiction for specific differences. For these cases, the requirements defined by the authority having jurisdiction will take precedence over the documents contained herein.

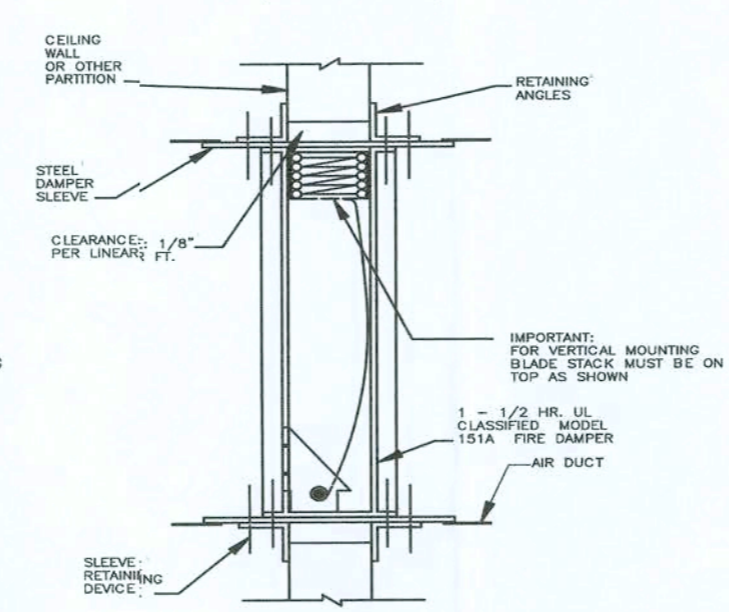
1/2003

Model 151A • 1.5 Hour Single Section Dynamic Fire Damper

HORIZONTAL MOUNTING (Model 151A)



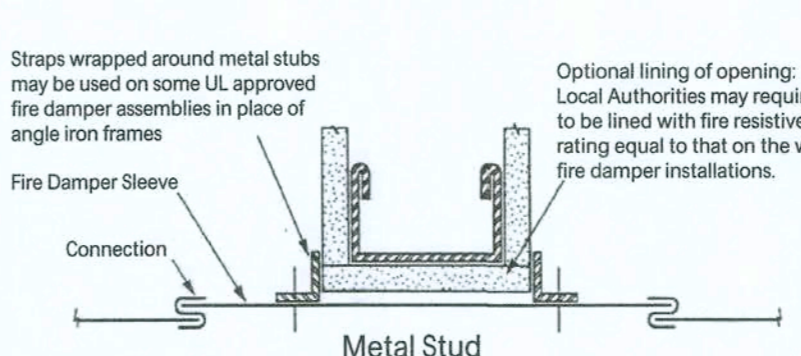
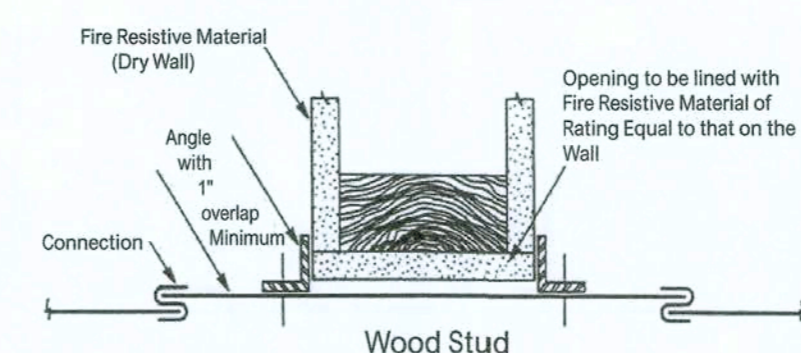
VERTICAL MOUNTING (Model 151A)



Fusible Link - 165°F

- NOTES:**
- Sleeve shall be of the same or heavier gauge as the duct to which it is attached. Gauges shall conform to SMACNA or ASHRAE Duct Standards. When the following duct-sleeve connections are used, minimum gauge of the sleeve shall be 16 gauge on dampers not exceeding 24" wide x 24" high and 14 gauge on larger dampers: (a) angle reinforced standing seam, (b) angle reinforced pocket lock, (c) companion angle, or (d) metal fasteners spaced approximately 16" on center. Refer to the latest edition of UL 555 for connections which may be used in all systems.
 - Damper is secured to sleeve by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel rivets, or 1/2" long welds...all of which must be 6" on center and a maximum of 1 3/4" from the ends.
 - Fire dampers shall have clearance of 1/8" per linear foot on width and height. The unit (damper and sleeve) may rest on the bottom of the opening and need not be centered.
 - Retaining angles shall be a minimum of 1 1/2" x 1 1/2" x 16 gauge steel. Angles increase in size proportionally, so that there will be a minimum of 1" overlap on the partition, and angles must also cover corners of opening.
 - The sleeve is retained in the partition opening by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel pop rivets or 1/2" long welds...all of which must be 6" on center and no more than 2" from the ends. Devices are to attach angle to sleeve only.
 - This installation is for dampers which are to be installed in masonry walls only. See Installation for Alternate Framing Methods on page 5, for wood stud and metal stud partition.
 - Connecting ducts shall be terminated at the sleeve or transition collar where a draw-band type breakaway joint is used.
 - Maximum duct size of single section Model 151A unit is 24" wide x 24" high.

Model 150 & 151 • Alternate Framing Methods



- NOTES:**
- Thickness and type of fire resistive material may vary with the jurisdiction. Specific framing requirements of openings should be provided in the architectural and structural drawings that are submitted for building permits.
 - Sleeve shall be 14 gauge when the following duct-sleeve connection is: (a) angle reinforced standing seam, (b) angle reinforced pocket, (c) companion angles, (d) metal fasteners spaced approximately 16" on center. Refer to latest edition of UL 555 for connections which may be used in all systems. Gauges shall conform to SMACNA or ASHRAE Duct Standards.
 - Damper is secured to sleeve by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel rivets, or 1/2" long welds...all of which must be 6" on center and a maximum of 1 3/4" from the ends.
 - Fire dampers shall have clearance of 1/8" per linear foot on width and height. The unit (damper and sleeve) may rest on the bottom of the opening and need not be centered.
 - Retaining angles shall be a minimum of 1 1/2" x 1 1/2" x 16 gauge steel. Angles increase in size proportionally, so that there will be a minimum of 1" overlap on the partition, and angles must also cover corners of opening.
 - The sleeve is retained in the partition opening by the use of either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel pop rivets or 1/2" long welds...all of which must be 6" on center and no more than 2" from the ends. Devices are to attach angle to sleeve only.
 - For Horizontal Mount Dampers, the assembly is formed by using a full length 1/8" by 5" wide mullion plate with 1/4" diameter steel nuts and bolts, spaced 6" on center and a maximum of 3/4" from corners attaching frames to mullion plate.
 - For Vertical Mount Dampers, the damper frames are butted together and fastened with either No. 10 x 3/4" long sheetmetal screws, 1/4" diameter steel rivets, 1/4" diameter steel nuts and bolts, or 1/2" long welds all of which must be spaced at 4" on center and maximum of 3/4" from corners of dampers.
 - Connecting ducts shall be terminated at the sleeve.
 - Maximum duct size of single section vertical only unit is 24" wide x 24" high.

METAL OR WOOD STUD FRAMING FOR FIRE DAMPERS IN WALLBOARD PARTITIONS

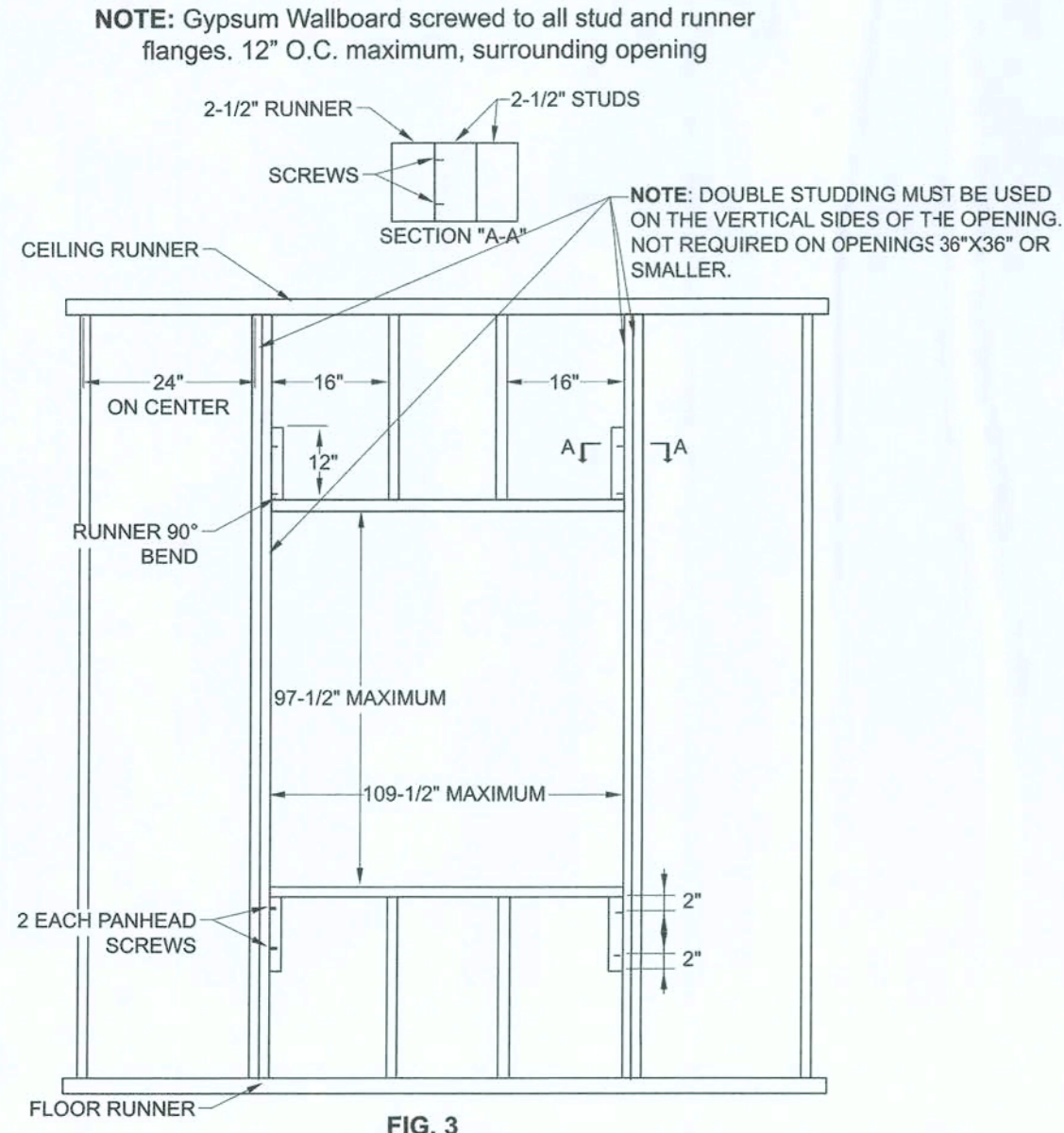


FIG. 3 MAXIMUM SIZE TABLE

MODEL	MAXIMUM SIZE TABLE							
	Single Section				Multiple Section			
	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal
MFD	60	40	40	40	120	120	80	40
MFD3	48	48	40	40	-	-	80	40
MDFD	36	36	18	18	-	-	36	36
MDFD3	36	36	18	18	-	-	36	36
MFDS	48	48	48	48	-	-	-	-
MFDS3	48	48	48	48	-	-	-	-
MDFDS	36	36	18	18	-	-	36	36
MDFDS3	36	36	18	18	-	-	36	36
MFDUS	48	48	-	-	-	-	-	-
MFDUS3	48	48	-	-	-	-	-	-

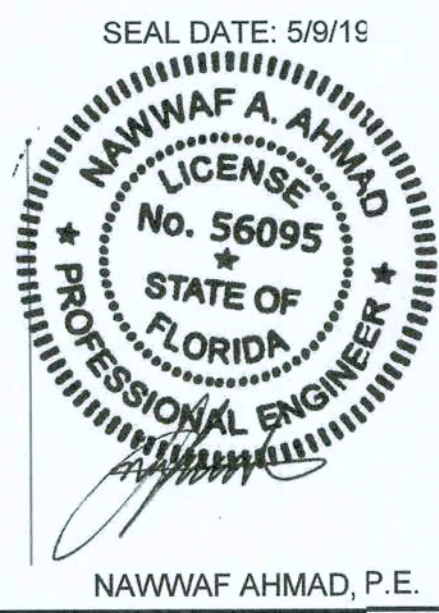
NOTE: For maximum single section sizes refer to maximum size table. For openings larger than given for single section, multiple dampers are required. For openings larger than given in multiple sections a 12" wide brick or reinforced mullion must be provided between adjacent assemblies.

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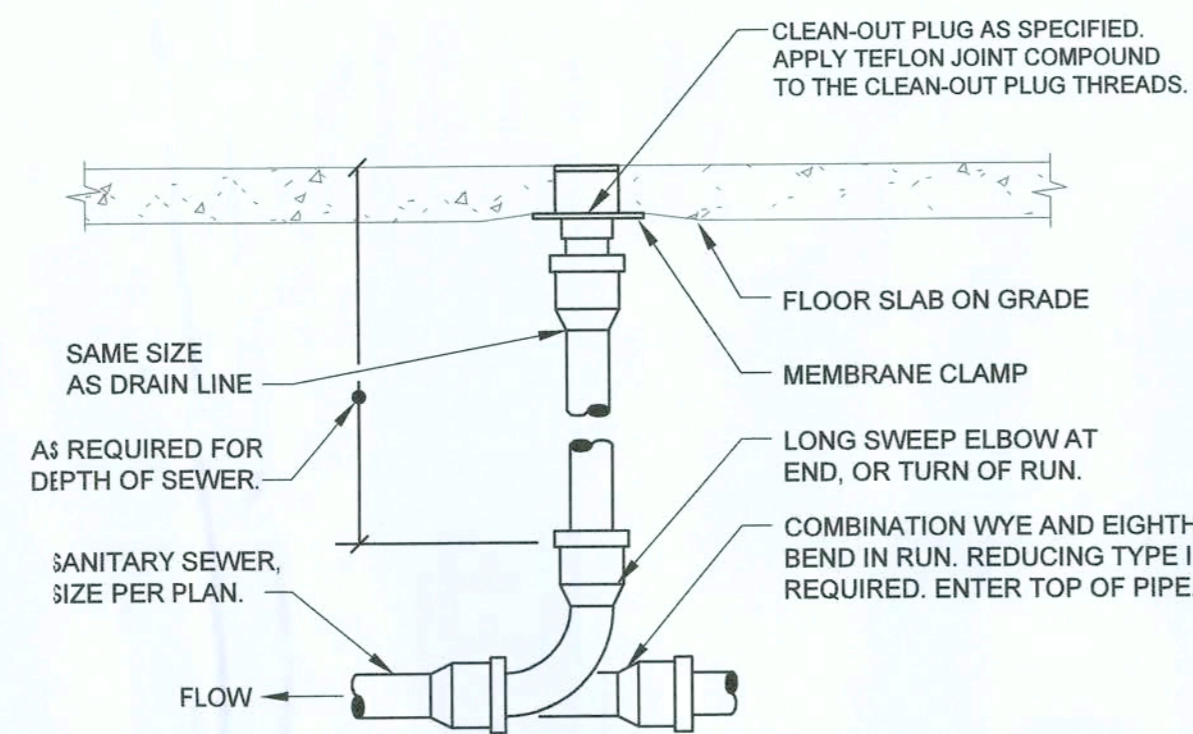
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LICENCEE C0C-151649
PH: 877-877-7809 WWW.CONCEPTCOMPANIES.NET

DOLLAR GENERAL
BASCOM NORRIS DR & LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20885
2018 PROTOTYPE - PLAN 9100F - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:	1/2/19 - NSA
REVISION DATE / REVISED BY:	
PROJECT NUMBER:	4000.180
DRAWING TITLE:	FIRE DAMPER DETAILS
SHEET NO.	



M2
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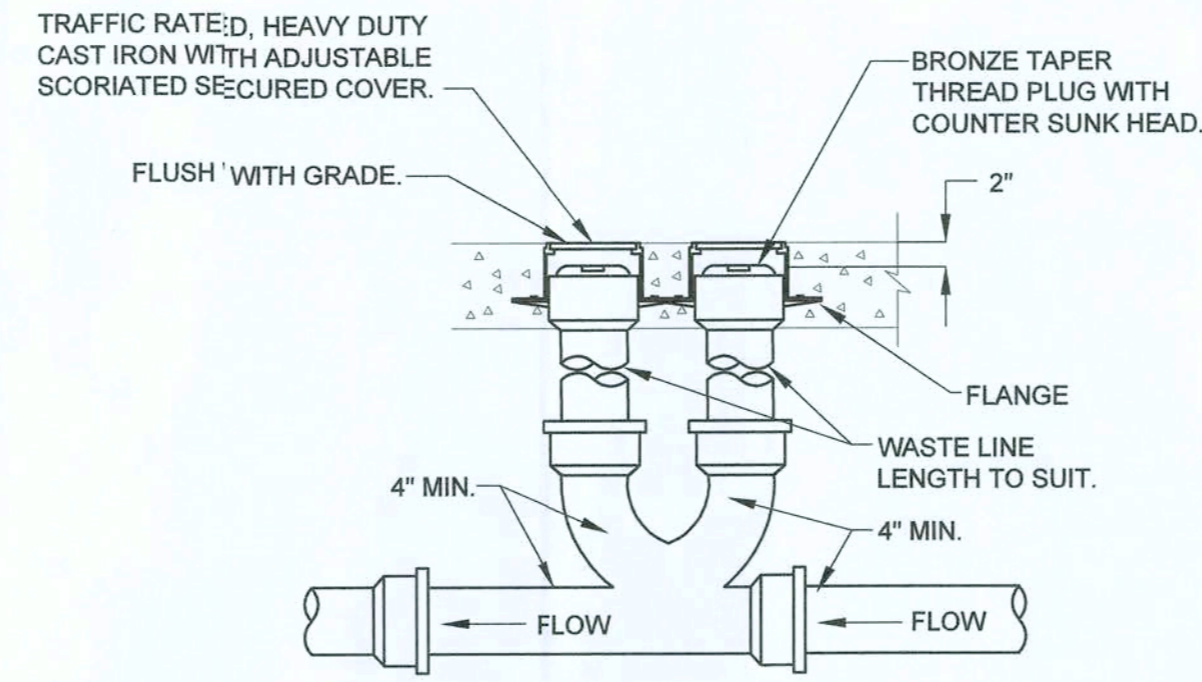


- NOTES:
- REFER TO SCHEDULE FOR ADDITIONAL INFORMATION. LOCATE FLOOR CLEAN-OUT AT END OF RUN, TURNS OF PIPE GREATER THAN 45°, 50' INTERVALS ON STRAIGHT RUNS, AND/OR WHERE SHOWN ON PLANS & RISERS. PROVIDE BACKFILL AS REQUIRED. LOCATE CLEAN-OUT WHERE THERE IS 18" CLEAR AROUND, FOR ACCESSIBILITY. COORDINATE WITH LOCAL CODES AND AUTHORITY HAVING JURISDICTION FOR ANY ADDITIONAL REQUIREMENTS.
 - PROVIDE FLOOR CLEAN-OUT WITH ADJUSTABLE COVER. CLEAN-OUT COVER SHALL BE SUITABLE FOR RESPECTIVE FLOOR COVERING (RECESSED FOR TILE, SCORIATED FOR UNFINISHED FLOORS, ETC.). CLEAN THE TOP OF EXPOSED FLOOR CLEAN-OUT AFTER INSTALLATION.

1 NOT USED
P2 SCALE: N.T.S.

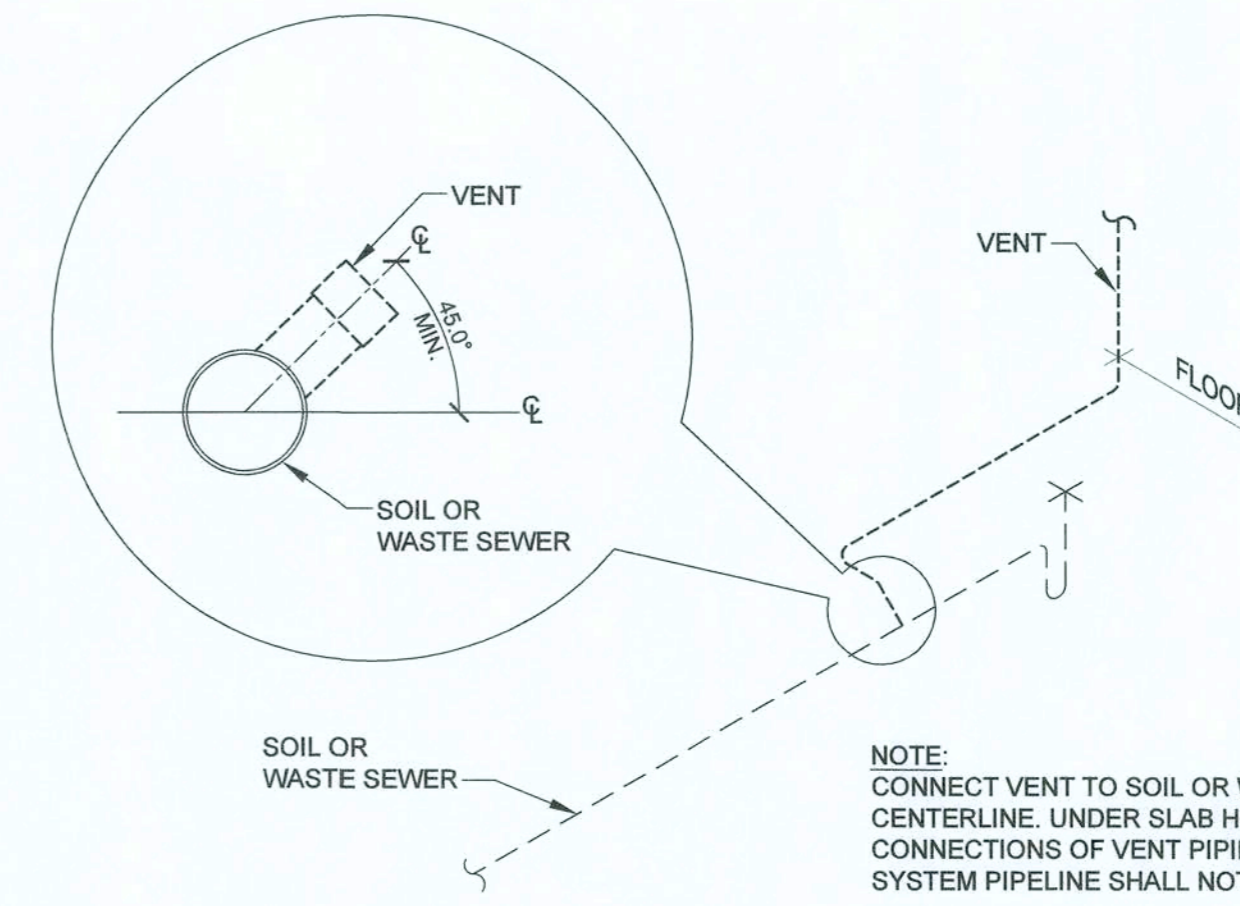
2 NOT USED
P2 SCALE: N.T.S.

3 FLOOR CLEANOUT
P2 SCALE: N.T.S.

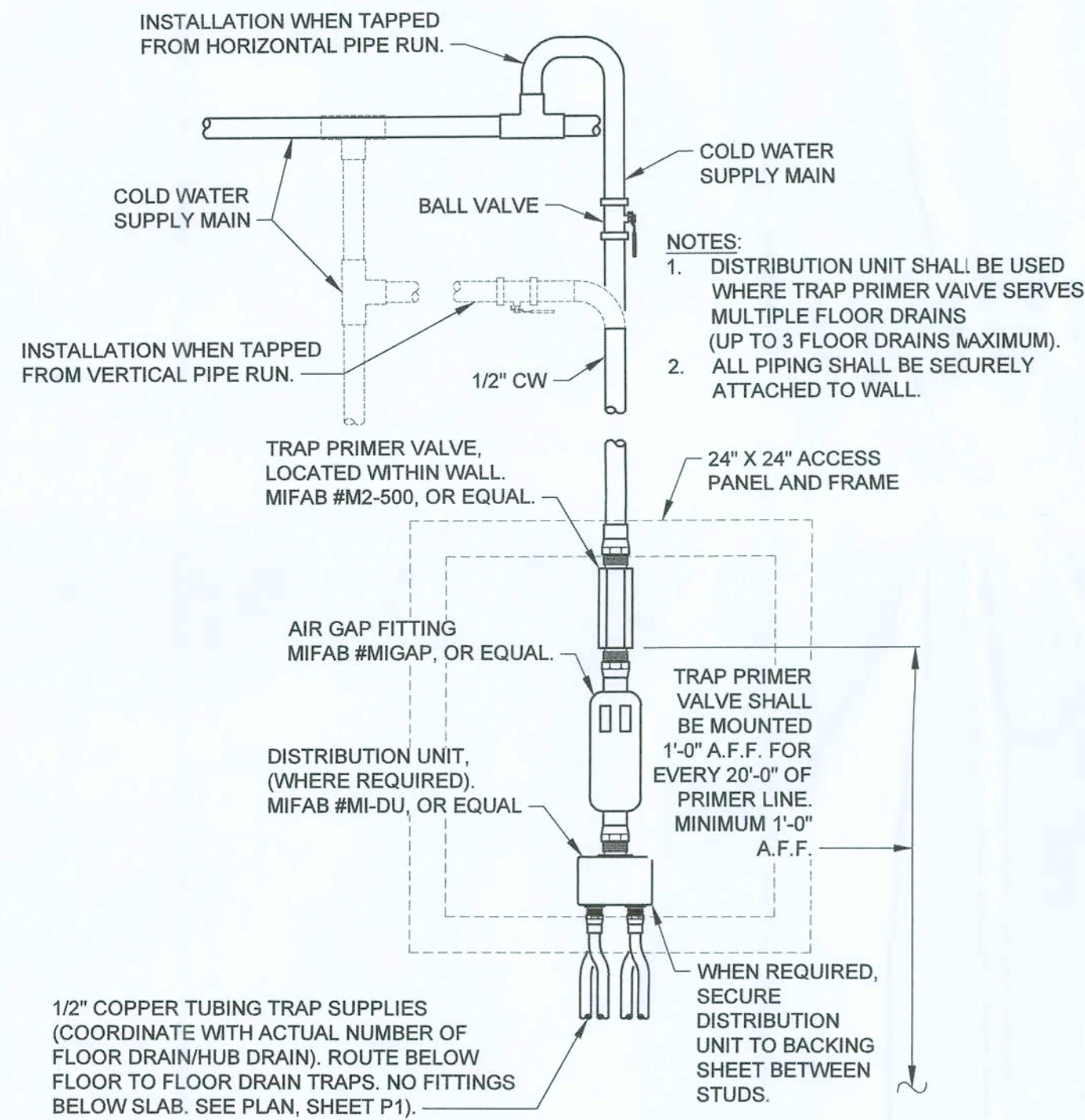


- NOTES:
- CLEAN-OUT SHALL BE TRAFFIC RATED.
 - ECO-1 SHALL BE INSTALLED WITHIN 5'-0" OF THE BUILDING EXTERIOR.

4 2-WAY YARD CLEANOUT
P2 SCALE: N.T.S.



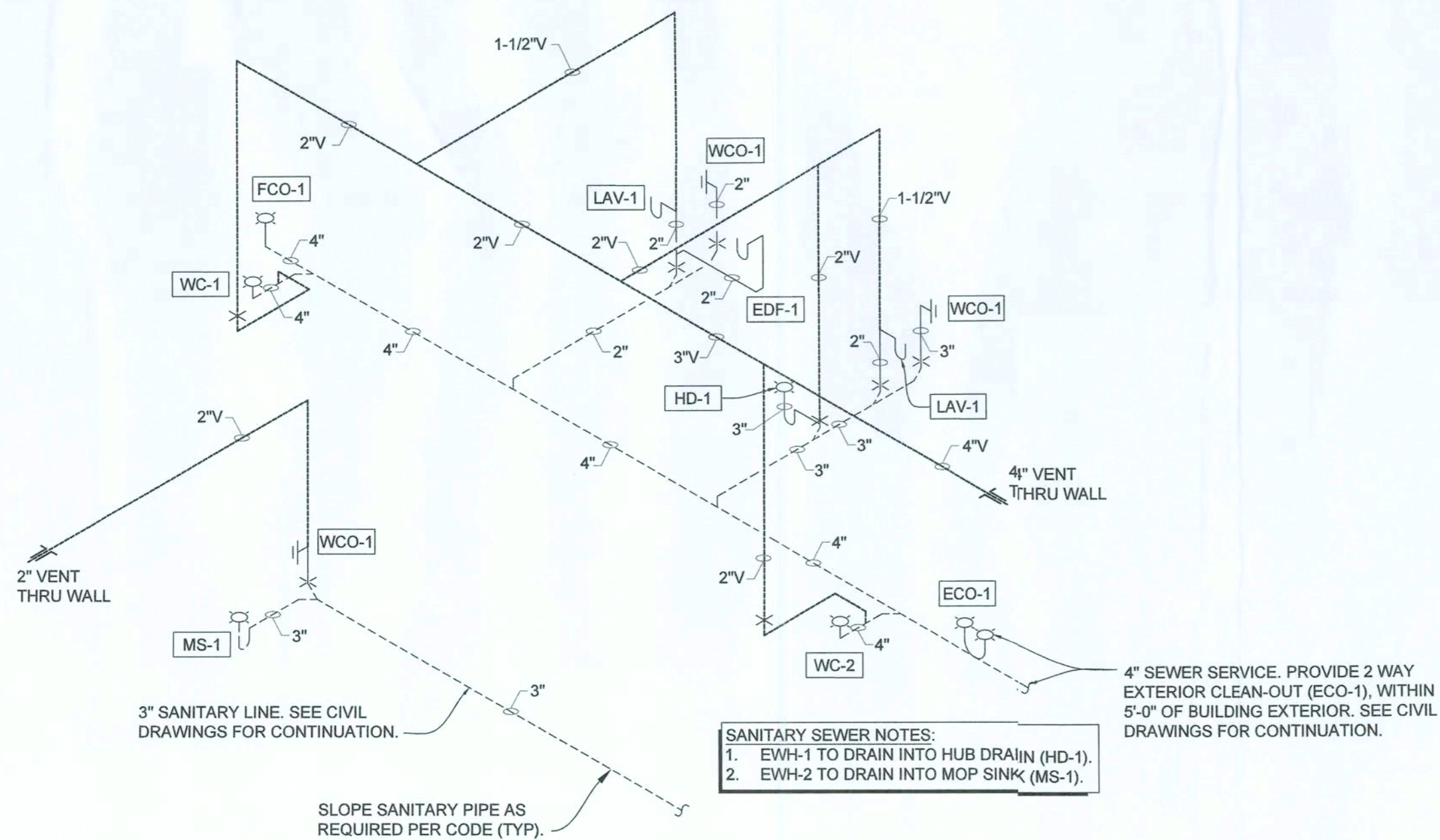
5 VENT PIPE INSTALLATION
P2 SCALE: N.T.S.



- NOTES:
- DISTRIBUTION UNIT SHALL BE USED WHERE TRAP PRIMER VALVE SERVES MULTIPLE FLOOR DRAINS (UP TO 3 FLOOR DRAINS MAXIMUM). ALL PIPING SHALL BE SECURELY ATTACHED TO WALL.
 - TRAP PRIMER VALVE SHALL BE MOUNTED 1'-0" A.F.F. FOR EVERY 20'-0" OF PRIMER LINE. MINIMUM 1'-0" A.F.F.

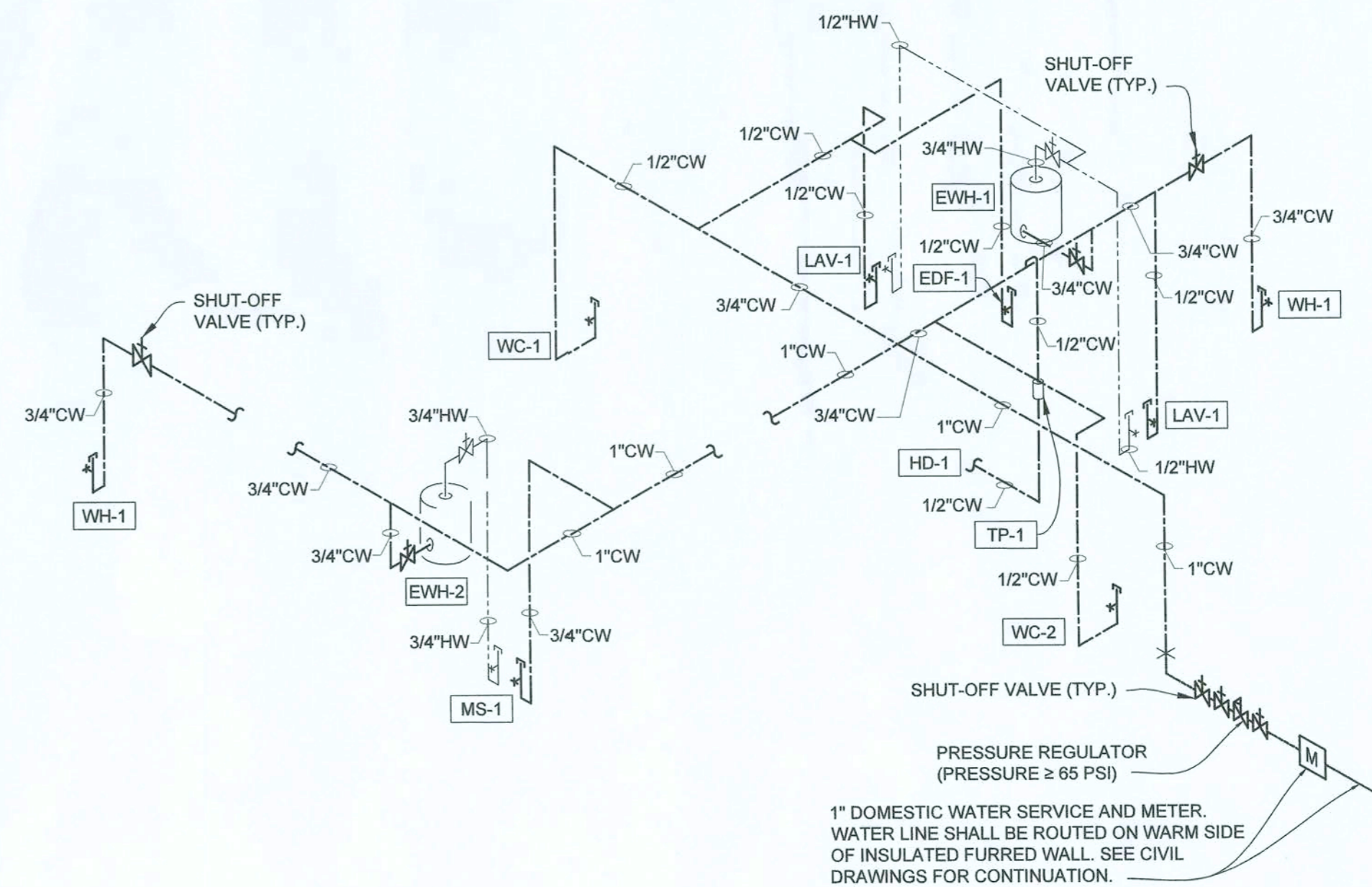
6 TRAP PRIMER
P2 SCALE: N.T.S.

- DOMESTIC WATER NOTES:
- REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF CONNECTION POINT TO EXISTING DOMESTIC WATER PIPING.
 - PRESSURE REGULATOR TO BE ≥ 65 PSI.
 - PROVIDE ACCESS PANEL FOR TRAP PRIMER (TP-1).



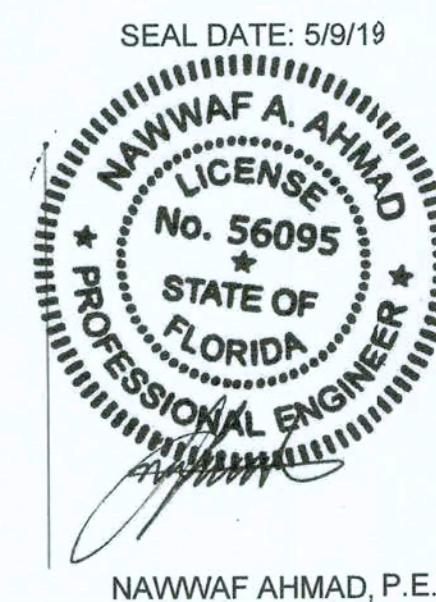
- SANITARY SEWER NOTES:
- EW-1 TO DRAIN INTO HUB DRAIN (HD-1).
 - EW-2 TO DRAIN INTO MOP SINK (MS-1).

7 SANITARY & VENT ISO
P2 SCALE: N.T.S.



8 DOMESTIC WATER ISO
P2 SCALE: N.T.S.

MATERIALS	
1. DRAIN, WASTE AND VENT	A. SCHEDULE 40 AND 80 PVC OR ABS PIPING WITH DWV PATTERN FITTINGS TO BE USED UNLESS OTHERWISE REQUIRED BY LOCAL CODE.
2. HOT AND COLD WATER	A. ABOVE GRADE. <ul style="list-style-type: none"> a) TYPE "L" COPPER TUBING, HARD TEMPER, COLD DRAWN WITH WROUGHT COPPER LEAD FREE SWEAT FITTINGS. CONNECTIONS TO FIXTURES AND EQUIPMENT SHALL BE MADE WITH 85% RED BRASS IPS SIZE PIPE OR COMPRESSION ANGLE STOPS. PROVIDE DIELECTRIC UNIONS WHERE CONNECTING PIPING OF DISSIMILAR MATERIALS.
	B. BELOW GRADE. <ul style="list-style-type: none"> b) TYPE "K" COPPER TUBING, HARD OR SOFT TEMPER, WITH WROUGHT COPPER LEAD FREE SWEAT FITTINGS. NOTE: NO FITTINGS SHALL BE PERMITTED BELOW GRADE INSIDE BUILDING.
3. AIR CONDITIONING CONDENSATE	A. SEE MATERIALS, SECTION 1, UNLESS OTHERWISE REQUIRED BY CODE.
4. NATURAL GAS PIPING	A. SCHEDULE 40, ASTM A120, BLACK IRON PIPE WITH 150 LB. BLACK MALLEABLE THREADED OR SOCKET WELDED FITTINGS.



NAWWAF AHMAD, P.E.

DESIGN ENGINEERING, INC.
SUSTAINABLE DESIGN & ENERGY MANAGEMENT SOLUTIONS
14077 Biscayne Blvd., Suite 1100, Miami, FL 33181
www.mpsdesign.com / main@mpsdesign.com
Contact: Sam Ahmad
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CONCEPT COMPANIES
3917 NW 97th BOULEVARD, GAINESVILLE, FL 32606
LICENCE# CC-1515491
PH: 877-309-2222
WWW.CONCEPTCOMPANIES.COM

DOLLAR GENERAL
BASCOM NORRIS DR & LAKE JEFFREY RD
LAKE CITY, FL 32055
STORE # 20865
2018 PROTOTYPE - PLAN 9100P - 8,100 SQ. FT.

SEAL DATE: 5/9/19
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4000.180
DRAWING TITLE:
PLUMBING DETAILS
SHEET NO.
P2