GENERAL CONSTRUCTION NOTES

NOTES APPLY BASED ON PROJECT WORK SCOPE

1 - CONTRACTOR SHALL READ AND UNDERSTAND ALL NOTES INCLUDED HEREWITH AND ADHERE CAREFULLY TO THEM THROUGHOUT ALL PHASES OF THE PROJECT.

2 - ALL NEW CONSTRUCTION SHALL BE IN STRICT COMPLIANCE WITH LOCAL BUILDING CODES AND ICC ANSI A117.1 AND OTHER ACCESSIBILITY REGULATIONS.

3 - ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT. (OSHA)

4 - FURNISH AND INSTALL ALL CONSTRUCTION, MECHANICAL, ELECTRICAL, PLUMBING, AND FOUNDATION SYSTEMS AS REQUIRED TO ACCOMMODATE THE DESIGN REQUEST OF THE THE OWNER.

5 - DIMENSIONS GIVEN IN FIGURES ON THE PLANS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. DIMENSIONS ARE NOT ADJUSTABLE UNLESS NOTED (+/-).

6 - ALL DIMENSIONS ARE GIVEN FROM FINISHED WALL TO FINISHED WALL UNLESS OTHERWISE NOTED.

7 - "EQUAL" WHEN USED SHALL MEAN AN EQUIVALENT PRODUCT OR MATERIAL AS APPROVED BY THE OWNER.

8 - ALL HEIGHTS ARE DIMENSIONED FROM FINISHED FLOOR UNLESS OTHERWISE NOTED.

9 - THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST IN LOCATIONS OF ANY AND ALL MECHANICAL, TELEPHONE, DATA, ELECTRICAL, LIGHTING, PLUMBING AND RELATED EQUIPMENT (TO INCLUDE ALL PIPING, DUCTWORK AND CONDUIT) AND THAT ALL REQUIRED CLEARANCE FOR INSTALLATION OR MAINTENANCE OF ABOVE EQUIPMENT IS PROVIDED.

10 - ALL GYPSUM WALL BOARD PARTITIONS SHALL BE TAPED, BEDDED AND SANDED SMOOTH WITH NO VISIBLE JOINTS, AND ALL CORNERS SHALL RECEIVE METAL CORNER BEAD.

11 - ALL RATED WALLS SHALL HAVE THEIR RATING MAINTAINED AND ALL NEW PENETRATIONS SEALED TO MEET CURRENT CODE REQUIREMENTS.

12 - ALL MATERIALS FURNISHED AND INSTALLED SHALL BE FREE FROM DEFECTS. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE. DURING THIS PERIOD ANY PROBLEMS DUE TO DEFECTIVE MATERIALS OR FAULTY WORKMANSHIP SHALL BE CORRECTED AT NO COST TO THE OWNER. ANY PROBLEMS THAT OCCUR DURING CONSTRUCTION SHALL BE CORRECTED IMMEDIATELY TO THE SATISFACTION OF THE OWNER.

13 - GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AS REQUIRED TO SECURE WORK TO STRUCTURE AND SHALL BE TOTALLY RESPONSIBLE FOR HIS WORK.

14 - DURING AND AT THE COMPLETION OF THE CONTRACTORS DAILY WORK, CONTRACTORS ARE RESPONSIBLE FOR THE CLEANING UP AND REMOVAL OF ALL RUBBISH AND DEBRIS BEFORE LEAVING THE JOB SITE.

15 - THE FOLLOWING ARE STRICTLY PROHIBITED WORK AND PRACTICES :

A . ANY COMBUSTIBLE MATERIALS ABOVE FINISHED CEILING.

B . IMPOSING ANY STRUCTURAL LOAD, TEMPORARY OR PERMANENT, ON ANY PART OF BUILDING STRUCTURE WITHOUT PRIOR WRITTEN APPROVAL.

C . CUTTING ANY HOLES IN FLOOR SLABS, WALLS OR ROOF WITHOUT PROPER APPROVAL. BEFORE STARTING ANY UNDER SLAB WORK, CHECK TO DETERMINE IF ANY COMMON UTILITY OR OTHER UTILITY LINES EXIST WITHIN THE SPACE.

16 - CONTRACTORS SHALL CARRY ADEQUATE LIABILITY INSURANCE AS SET FORTH BY THE OWNER AND THE LANDLORD.

17 - A CERTIFICATE OF COMPLETION MUST BE OBTAINED UPON COMPLETION OF ALL WORK AND FINAL INSPECTIONS. THE ORIGINAL DOCUMENT TO BE SUBMITTED TO THE OWNER.

18 - THE CONTRACTOR SHALL OBTAIN AND PAY ALL NECESSARY PERMIT COSTS AND FEES REQUIRED BY PUBLIC AUTHORITIES, UTILITY COMPANIES, AND OTHER INCURRED COST.

19 - PROVIDE ALL INSURANCE, LICENSES, BONDING, AND RELEASE OF LIENS REQUIRED BY THE OWNER. PROVIDE COPIES OF DOCUMENTATION UPON REQUEST.

20 - PROVIDE COMPLETE OPERATING MAINTENANCE, AND SPECIFICATION MANUALS TO THE OWNER FOR ALL EQUIPMENT WITHIN 15 DAYS OF FINAL COMPLETION OF JOB.

21 - PROVIDE A WRITTEN LIST OF SERVICE SUB-CONTRACTORS TO THE OWNER WITHIN 15 DAYS OF JOB COMPLETION INCLUDING NAMES, ADDRESSES, PHONE NUMBERS, AND CONTACT PERSONS FOR FUTURE SERVICE NEEDS.

22 - THE THE OWNER'S REPRESENTATIVE AND/OR THE OWNER'S CONTRACTOR SHALL NOT BE ALLOWED TO USE OR STORE OR DISPOSE OF ANY HAZARDOUS, ASBESTOS, FLAMMABLE, EXPLOSIVE, RADIOACTIVE, TOXIC, CONTAMINATING POLLUTING MATTER OR SUBSTANCES RELATED INJURIOUS MATERIALS OR CHEMICAL REGULATED MATERIALS ON THE JOB SITE.

23 - ALL INTERIOR WALLS SHALL HAVE ONE COAT OF WHITE PRIMER.

24 - THE FOLLOWING SECURITY PROCEDURES SHALL BE IN FOLLOWED WHEN THE TENANT'S FINISH WORK BEGINS.

A . THE G.C. AND SUB-CONTRACTORS PERSONNEL SHALL SIGN IN WHEN THEY ARRIVE IN THE MORNING

B . AT ALL TIMES THEY WILL ENTER AND EXIT THROUGH THE OUTSIDE PARKING LOT DOORS.

C . ANY TOOL BOXES, CARTONS, ETC. THAT THE WORKERS WOULD USE TO TRANSPORT MATERIALS, ETC. ARE SUBJECT TO INSPECTION UPON DEPARTURE.

25 - ALL WALLS SHALL BE SQUARE AND PLUMB.

26 - GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTIONS AND SECURITY OF WORK, MATERIALS, FIXTURES AND ETC. ON JOB SITE FROM LOSS OR DAMAGE FROM FIRE, THEFT OR VANDALISM.

28 - GENERAL CONTRACTOR SHALL USE ENTRANCE PROVIDED BY THE OWNER FOR TRANSPORTING MATERIALS TO AND FROM JOB SITE. ALL EMPLOYEES OF G.C SHALL USE THESE SAME ENTRANCES. G.C. SHALL CONFINE ALL VEHICLES TO DESIGNATED AREA AS REQUIRED BY THE OWNER.

29 - GENERAL CONTRACTOR'S BID QUOTATION SHALL INCLUDE THE USE OF EQUIPMENT & MATERIALS EXACTLY AS SPECIFIED. SUBSTITUTION REQUESTS SHALL BE SUBMITTED TO THE OWNER FOR REVIEW APPROVAL.

30 - ALL SIGNAGE FURNISHED AND INSTALLED BY FUTURE TENANT UNLESS OTHERWISE NOTED.

CONTRACTOR NOTE:
ALL TRADE WORK MUST BE PERFORMED BY RESPECTIVE MARYLAND LICENSED CONTRACTORS.

DEFERRED SUBMITTALS

THE FOLLOWING DRAWINGS WILL BE PROVIDED TO THE PERMIT PLAN REVIEWER UNDER A SEPARATE SUBMITTAL BY THE RESPECTIVE SUB-CONTRACTORS:

1 - PRE-ENGINEERED METAL BUILDING PLANS

2 - SIGN SHOP DRAWINGS BY TENANT SIGN VENDOR

DOLLAR GENERAL

STORE #00892 | DGP PROTOTYPE 'D+'

437 NORTH THIRD STREET | GARRETT COUNTY
OAKLAND, MARYLAND 21550

REQUIRED NATIONAL ACCOUNT VENDORS

		COMPANY	CONTACTS	PHONE #	REQUIRED ITEMS
SITE		RAINBIRD IRRIGATION	LOCAL RAIN BIRD DISTRIBUTOR	WWW.RAINBIRD.COM	IRRIGATION SYSTEMS
CONCRETE	CONCRETE POLISHING	EUCLID CHEMICAL COMPANY	PHIL BRANDT	877-438-3826 PBrandt@euclidchemical.com	CONCRETE POLISHING SYSTEMS
		RETRO-PLATE SYSTEMS	SCOTT MAXFIELD	801-641-6796 scott.maxfield@retroplatesystem.com	CONCRETE POLISHING SYSTEMS
FINISHED DOORS	STOREFRONT ENTRANCE	RECORD DOOR SYSTEMS	MICHAEL VINNIK	704-290-0234 dollargeneral@recorddoors.com	IN,KY,MD, OH, PA,VA,WV — MODEL #5100 SERIES
		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,WA,WI,WY — MODEL #DG2000
		ASSA ABLOY ENTRANCE SYSTEMS	ROSS MERKLING	609-528-2580 dollargeneral.besam.us@assaabloy.com	AL, FL, GA, MS, NC, SC, TN — MODEL #SL500
	INTERIOR DOORS	GIRTMAN AND ASSOCIATES	MIKE MOYNAHAN	615-964-6000 ext. 4527 dgconstruction@bass-security.com	INTERIOR DOORS AND FRAMES AND RESTROOM ACCESSORIES — AL,AR,AZ,CA,CO,FL,GA,IA,KS,LA,MS,MN,MO, NE,NM,NV,OK,OR,SC,SD,TN,TX,WA,WI,WY
		COOK & BOARDMAN GROUP	JOE HARRELL	336-837-0673 nationalsales@cookandboardman,com	INTERIOR DOORS AND FRAMES AND RESTROOM ACCESSORIES — CT,DE,IL,IN,KY,MA,MD,ME,MI,NC,NH,NJ, NY,OH,PA,RI,VA,VT,WV
		SHERWIN WILLIAMS	LOCAL SHERWIN WILLIAMS STORE		PAINT, PRIMER, CONCRETE SEALER AND BLOCK FILLER
		MC CUE CORPORATION	KEVIN O'NEILL	678-492-4026 koneill@mccue.com	TRIM KIT INCLUDES BUMPER GUARDS AND CART STOP
HVAC	HVAC UNITS	YORK	NATIONAL ACCOUNTS	800-481-9738 york-dollargeneral-be@jci.com	HVAC UNITS AR, CO, IL, IN, KY, KS, MO, OH, OK, OR, TN, WA, WV
		CARRIER	HASAN KHALIL	315-432-7655 Hasan.Khalil@carrier.utc.com	HVAC UNITS AL, AZ, CA, DE, FL, GA, LA, MD, MS, NC, NM, SC, TX, VA
		LENNOX	SCOTT MACDONALD	972-497-6781 dollargeneral@lennoxInd.com	HVAC UNITS CT, IA, MA, ME, MI, MN, ND, NE, NH, NJ, NY, PA, RI, SD, VT, WI, WY
	RTU CURBS	ROOF CURB SYSTEMS	CLIFTON REASOR	800-683-5848 DollarGeneral@roofcurb.com	RTU CURB
		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
	ELECTRICAL SWITCH-GEAR	CED - CONSOLIDATED ELECTRICAL DISTRIBUTORS	ROBERT DECKER	270-781-2229 robertd@cedbgky.com	ELECTRICAL SWITCH GEAR — AR,AZ,CA,CO,IA,IN,IL,LA,KS,KY,MI,MN,MO, MS,ND,NE,NM,NV,OK,OR,SD,TX,WA,WI,WY
		NESCO	CHRIS TRACY	800-244-6980 dollargeneral@needhamelectric.com	ELECTRICAL SWITCH GEAR — AL,CT,DE,FL,GA,MA,MD,ME,NC,NH,NJ, NY,OH,PA,RI,SC,TN,VA,VT,WV
	LIGHTING	USLED	ROD LEEK MITCH LAPENSON	713-337-3826 DGUSLED@usled.com	ELECTRICAL LIGHTING SUPPLIES — AL,DE,FL,GA,IA,IL,IN,KS,KY,MD,MI,MN,MO, ND,NE,OH,OK,SC,SD,WI,WV
		LEDS	MICHAEL STRINGER KYLE KNAPP	920-915-4010 DGORDERS@leds-llc.com	ELECTRICAL LIGHTING SUPPLIES — AR,AZ,CA,CO,ID,LA,NM,NV,OK,OR,TX,WA,WY
		CUMBERLAND DISTRIBUTION	RICHARD MATTHEW	615 875-9808 DGORDERS@cumberlanddist.com	ELECTRICAL LIGHTING SUPPLIES — CT,MA,ME,NH,NJ,NY,PA,RI
		D&P CUSTOM LIGHTING	NATIONAL ACCOUNT SALES	800-251-2200	CUSTOM POWER POLES
ELECTRICAL	LOW VOLTAGE SYSTEM	CROSSCOM NATIONAL	KEN MILLER	847-850-6298 dollargeneral@crosscomnational.com	LOW VOLTAGE & VOICE/DATA — CO,CT,DE,FL,IA,IL,IN,KS,MD,ME,MI,MN,MO, ND,NE,NH,NJ,NY,OH,SD,VT,WI,WV,WY
		ASD	CHRIS RUDNITSKI	828-624-1046 crudnitski@asd-usa.com	LOW VOLTAGE & VOICE/DATA — AL,AR,AZ,CA,GA,KY,LA,MA, MS,NC,NM,NV, OK,OR,PA,RI,SC,TN,TX,VA,WA
		GRAYBAR	JEROME BANNISTER	615-743-3202 office, 615-924-2135 cell DollarGeneral@graybar.com	CABLE TRAY
		EMERSON CLIMATE TECHNOLOGIES	WEBSITE: http://dollargeneralbid.ectsolutions.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	D'ETTA NEAVES	858-752-7821 Detta.Neaves@sbdinc.com (pre-sale bid) Al.Maler@sbdinc.com (post-award)	INTERIOR FIRE ALARM PANELS

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

NATIONAL ACCOUNT & CONTACT INFORMATION SUBJECT TO CHANGE

SYMBOLS LEGEND

X / XXX — DETAIL MARKER, INDICATES DETAIL NUMBER AND SHEET NUMBER WHERE IT IS LOCATED.

X / XXX — ELEVATION MARKER, POINTS TO AREA AND INDICATES ELEVATION NUMBER.

X / XXX — SECTION MARKER INDICATES SECTION NUMBER AND SHEET NUMBER WHERE IT IS LOCATED.

X — COLUMN REFERENCE MARKER

1 — REFERENCE NOTE MARKER TO NOTE SCHEDULE LEGEND DESCRIPTION

ROOM NAME / 100 — ROOM NAME AND NUMBER MARKER.

100 — DOOR MARKER

0'-0" A.F.F. — VERTICAL ELEVATION MARKER

FE — FIRE EXTINGUISHER

1 — REVISION CLOUD AND MARKER

ABBREVIATIONS

A.D.A.	=	AMERICANS WITH DISABILITIES ACT
A.F.F.	=	ABOVE FINISHED FLOOR
ALUM.	=	ALUMINUM
C.J.	=	CONTROL JOINT
CLEAR	=	MINIMUM CLEAR DIMENSION
CLG.	=	CEILING
C.M.U.	=	CONCRETE MASONRY UNIT
CONT.	=	CONTINUOUS
DEG.	=	DEGREE
DET.	=	DETAIL
D.F.	=	DRINKING FOUNTAIN
E.C.	=	ELECTRICAL CONTRACTOR
E.J.	=	EXPANSION JOINT
EWC	=	ELECTRIC WATER COOLER
FAC.	=	FACTORY
FE	=	FIRE EXTINGUISHER
FRT	=	FIRE RETARDANT TREATED
G.C.	=	GENERAL CONTRACTOR
GWB	=	GYPSUM WALLBOARD
H.C.	=	HANDICAP
HCWD	=	HOLLOW CORE WOOD DOOR
H.D.	=	HEAVY DUTY
HDWR	=	HARDWARE
H.M.	=	HOLLOW METAL
MFG.	=	MANUFACTURING(ER)
MTL.	=	METAL
N.I.C.	=	NOT IN CONTRACT
O.C.	=	ON CENTER
P.T.	=	PRESSURE TREATED
P.O.S.	=	POINT OF SALE
REQ'D	=	REQUIRED
R.R.	=	RESTROOM
SCWD	=	SOLID CORE WOOD DOOR
SIM.	=	SIMILAR
TYP.	=	TYPICAL
U.N.O.	=	UNLESS NOTED OTHERWISE

SITE PLAN

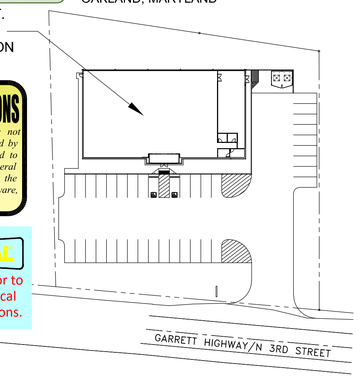
APPROVED
By Scott Grimes at 2:18 pm, Jan 12, 2022

437 NORTH THIRD STREET
GARRETT COUNTY
OAKLAND, MARYLAND

NEW 10,640 SQ. FT.
DOLLAR GENERAL
BUILDING LOCATION

APPROVED WITH CONDITIONS
**Approval of this set of plans does not revoke the contracted standard provided by the prototypical building plans attached to the lease agreement. Dollar General Prototypical plans shall continue to be the standard set forth for finishes, hardware, and design intent.*

DOLLAR GENERAL
Verify, and Update plans prior to construction with all Technical Bulletins and plan modifications.



PROJECT CONTACTS

TENANT
DOLLAR GENERAL
100 MISSION RIDGE
GOODLETTSVILLE, TN 37073
TYLER NICHOL - Northeast Region
PHONE: 615-855-4655
FAX: 615-855-4705
EMAIL: rnichol@dollargeneral.com

DEVELOPER
ROWLAND HOLDINGS, LLC
14703 INDIAN SPRINGS ROAD
HANCOCK, MD 21750
CONTACT: JIMMY ROWLAND
PHONE: 301-582-4999
CELL: 301-491-1257
EM: jim.outdoorcontractors@gmail.com

CIVIL ENGINEER
TECTONICS DESIGN GROUP
10451 DOUBLE R BLVD.
RENO, NV 89521
CONTACT: MATT RASMUSSEN, PE
SEAN TUBMAN - PROJECT ENGINEER
PHONE: 775-824-9988
EM: matt@tdg-inc.com or sean@tdg-inc.com

ARCHITECTURE
STORE PLANNING INC.
3080 SENNA DRIVE
MATTHEWS, NC 28105
CONTACT: RAY EDWARDS
PHONE: 704-841-7288
FAX: 704-849-6997
EMAIL: ray@storeplanninginc.com

STRUCTURAL ENGINEER
H. EUGENE HUNTER, PE
CONSULTING ENGINEER
1066 HEATHER GLEN DRIVE
MATTHEWS, NC 28104
PHONE: 704-574-8083
FAX: 980-335-2121
EMAIL: ghunter@carolinarr.com

JURISDICTION
GARRETT COUNTY PERMITS & INSPECTION DIV.
COURTHOUSE ADMINISTRATION BUILDING
203 S. FOURTH ST | ROOM 208
OAKLAND, MD 21550
PHONE: 301-334-7470
FAX: 301-334-7469
ON-LINE: permitsandinspections@garrettcounty.org

MECH/PLUMBING ENGINEER
GEORGE W. 'BILLY' AUSTIN JR., PE
CONSULTING ENGINEER
212 N. McDOWELL ST | SUITE 204
CHARLOTTE, NC 28204
PHONE: 704-334-7363
FAX: 704-347-0093
EMAIL: baustin@shultzeg.com

ELECTRICAL ENGINEER
TIMOTHY A. PAYNE, PE
CONSULTING ENGINEER
212 N. McDOWELL ST. | SUITE 204
CHARLOTTE, NC 28204
PHONE: 704-334-7363
FAX: 704-347-0093
EMAIL: tpayne@shultzeg.com

GENERAL CONTRACTOR
ROCKWELL CONSTRUCTION COMPANY
12348 ROCKWELL LANE,
MERCERSBURG, PA 17236
CONTACT: MATT ROCKWELL - PRESIDENT
PHONE: 717-325-5237 (x203)
MOBILE: 717-496-7524
EMAIL: mattrockwell@rockwellconst.com

INDEX TO DRAWINGS

GENERAL		ORIGINAL DATE	LATEST REVISION DATE
T1	TITLE SHEET	DECEMBER 16, 2021	
T2	LIFE SAFETY PLAN	DECEMBER 16, 2021	
CIVIL		**ORIGINAL DATE**	**LATEST REVISION DATE**
SEE CIVIL ENGINEERING PLAN SET		SEE SEPARATE PLANS	SEE SEPARATE PLANS
ARCHITECTURAL		**ORIGINAL DATE**	**LATEST REVISION DATE**
A1	FLOOR PLAN & DETAILS	DECEMBER 16, 2021	
A2	EXTERIOR ELEVATIONS	DECEMBER 16, 2021	
A3	SECTIONS & DETAILS	DECEMBER 16, 2021	
A4	ROOM FINISH SCHEDULE, ELEVATIONS & DETAILS	DECEMBER 16, 2021	
A5	DOOR SCHEDULE & DETAILS	DECEMBER 16, 2021	
A6	RESTROOM/OFFICE PLAN & DETAILS	DECEMBER 16, 2021	
A7	REFLECTED CEILING PLAN & DETAILS	DECEMBER 16, 2021	
F1	FIXTURE PLAN & DETAILS	DECEMBER 16, 2021	
GS1	ROOF PLAN & METAL BUILDING NOTES	DECEMBER 16, 2021	
GS2	CONCRETE SUMMARY	DECEMBER 16, 2021	
GS3	CONCRETE & COLUMN BASE DETAILS	DECEMBER 16, 2021	
STRUCTURAL		**ORIGINAL DATE**	**LATEST REVISION DATE**
S0.1	STATEMENT OF SPECIAL INSPECTIONS	DECEMBER 16, 2021	
S1	GENERAL NOTES & SECTIONS	DECEMBER 16, 2021	
S2	FOUNDATION PLAN	DECEMBER 16, 2021	
S3	SECTIONS AND DETAILS	DECEMBER 16, 2021	
S4	SECTIONS AND DETAILS	DECEMBER 16, 2021	
PLUMBING		**ORIGINAL DATE**	**LATEST REVISION DATE**
P01	PLUMBING NOTES AND SCHEDULES	DECEMBER 16, 2021	
P02	PLUMBING PLAN AND NOTES	DECEMBER 16, 2021	
MECHANICAL		**ORIGINAL DATE**	**LATEST REVISION DATE**
M01	MECHANICAL NOTES AND SCHEDULES	DECEMBER 16, 2021	
M02	MECHANICAL PLAN AND NOTES	DECEMBER 16, 2021	
M03	MECHANICAL DETAILS	DECEMBER 16, 2021	
EMS1	EMS LOW VOLTAGE PLAN	DECEMBER 16, 2021	
ELECTRICAL		**ORIGINAL DATE**	**LATEST REVISION DATE**
E1.1	POWER PLAN	DECEMBER 16, 2021	
E1.2	REFRIGERATION POWER PLAN	DECEMBER 16, 2021	
E1.3	ROOF POWER PLAN	DECEMBER 16, 2021	
E2	LIGHTING PLAN	DECEMBER 16, 2021	
E3	ELECTRICAL PANELS	DECEMBER 16, 2021	
E4	ELECTRICAL SITE PLAN	DECEMBER 16, 2021	

STORE PLANNING Inc
3080 SENNA DRIVE
Matthews, North Carolina 28105
Phone: 704-841-7288
Fax: 704-849-6997

ARCHITECT
14053
JAMES T. REESE III
STATE OF MARYLAND
12/16/21

"Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland
License Number 14053
Expiration Date 12/27/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
TITLE SHEET

SPI Client	DATE
21052	12-16-21

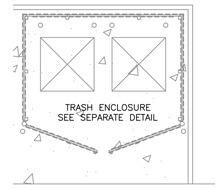
SHEET NUMBER
T1

EMERGENCY LIGHT NOTE
ALL EMERGENCY LIGHTS ARE SUPPLIED WITH AN INTEGRAL 90 MINUTE MINIMUM BATTERY BACKUP SOURCE

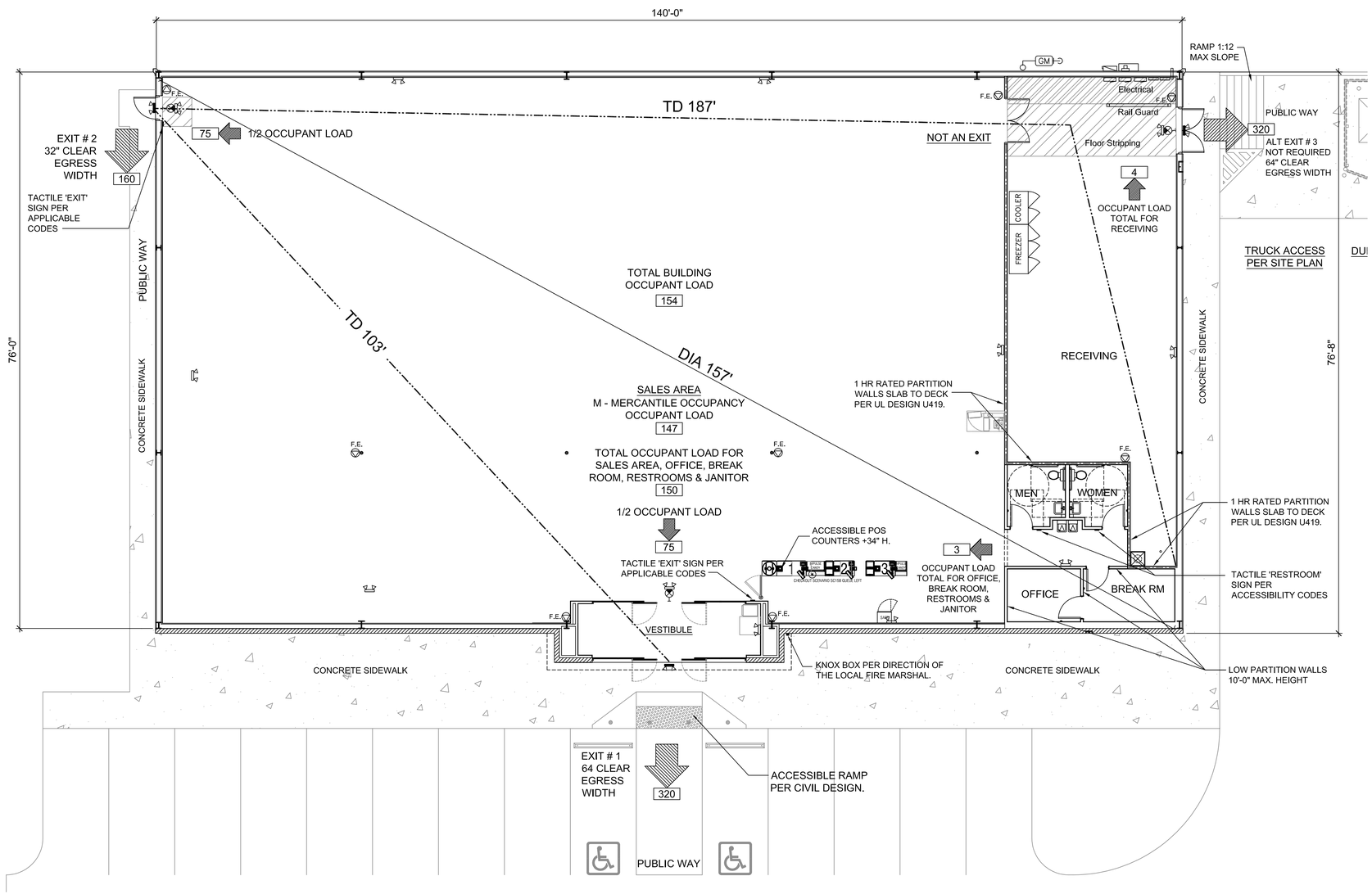
EXIT LIGHT NOTE
EXIT SIGNS SHALL BE READILY VISIBLE PER IBC CODE SECTION 1013.1

MAXIMUM DISTANCE FOR FIRE EXTINGUISHERS IS 75 FT. INSTALL PER THE DIRECTION OF THE LOCAL OFFICIALS

HIGH PILED STORAGE NOTE
THERE WILL BE NO HIGH PILED STORAGE. DOLLAR GENERAL TO PROVIDE ALL STORAGE FIXTURES.



DUMPSTER ENCLOSURE
PER SITE PLAN



1 / T2 LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

CODE SUMMARY

CODE STUDY: 10,640 SF RETAIL SPACE | GARRETT COUNTY | OAKLAND, MARYLAND

SUMMARY OF WORK: NEW CONSTRUCTION | T.P.N. 0111-2118 & 1751

USE GROUP: M - MERCANTILE

BUILDING TYPE: TYPE II B MAX BUILDING HT: 18'-0" CLIMATE ZONE: 4

SEISMIC: USE GROUP II DESIGN CATEGORY 'B' SITE CLASS: 'D' (ASSUMED)

ALLOWABLE BUILDING HEIGHTS AND AREAS:

	ALLOWED	PROVIDED
HEIGHT:	2 STORY	1 STORY
AREA:	12,500 SF	10,640 SF

FLOOD ZONE: 'X'
PROJECT IS LOCATED IN AREA OF MINIMAL FLOOD HAZARD PER FEMA FIRM MAP #24023C0355D DATED OCTOBER 02, 2013

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:

PRIMARY STRUCTURAL FRAME:	0 HR
BEARING WALLS (INTERIOR / EXTERIOR)	0 HR
NON BEARING WALLS (INTERIOR / EXTERIOR)	0 HR
FLOOR / SECONDARY MEMBERS	0 HR
ROOF / SECONDARY MEMBERS	0 HR

GENERAL REQUIREMENTS:

FIRE SPRINKLER SYSTEM:	NO	(LESS THAN 12,000 SF)
FIRE ALARM SYSTEM:	NO	(LESS THAN 500 OCCUPANT LOAD)
FIRE EXTINGUISHERS:	YES	(See Specification Below)

CHAPTER 10 - OCCUPANT LOADING:

AREA	SQ. FT.	DIVIDER: SF / PERSON	# PERSONS:
GROSS (Entire Bldg.)	10,640		
SALES	8,807	60	147
RECEIVING	1,046	300	4
OFFICE/BREAK ROOM	191	150	2
TOILET/JAN	133	150	1
FLOOR AREA GROSS	10,177		154

CHAPTER 10 - MEANS OF EGRESS:

1-500 OCCUPANCY	EXITS #:	UNITS/EXIT:	REQUIRED: # DOORS:	UNITS:	MAX PERSONS: UNSPRINKLED
EXITS PROVIDED			2		0.20
EXIT # 1	1	32	2	64	320
EXIT # 2	1	32	1	32	160
	2			96	480

(BETWEEN EXITS)

	'TD'	DIAGONAL'	DIA/2=	SUMMARY
DIAGONAL RULE:	103'	157'	79'	TD 103' >DIA/2 79' = OK

PLUMBING FIXTURE COUNT

# PERSONS: 154		50% M: 77	50% F: 77
		REQUIRED:	(PROVIDED)
MALES	1 PER 500:	1M # WC	(1M WC)
	1 PER 750:	1M # LAV	(1M LAV)
FEMALES	1 PER 500:	1F # WC	(1F WC)
	1 PER 750:	1F # LAV	(1F LAV)
DRINKING FOUNTAINS	1 PER 1000:	1 D.F.	(2 D.F.'s)
JANITOR	1 PER 1000:	1 SS	(1SS)

MARYLAND APPLICABLE CODES

BUILDING:	2018 ICC INTERNATIONAL BUILDING CODE (IBC) W/ AMENDMENTS
ELECTRICAL:	2017 NEC NATIONAL ELECTRIC CODE
PLUMBING:	2018 ICC INTERNATIONAL PLUMBING CODE
FUEL & GAS:	2018 ICC INTERNATIONAL FUEL GAS CODE (IFGC) INCLUDING AMENDMENTS
MECHANICAL:	2018 ICC INTERNATIONAL MECHANICAL CODE (AS REFERENCED BY IBC 2015)
FIRE CODE:	2018 NFPA 1 FIRE CODE (NATIONAL FIRE PROTECTION ASSOCIATION) W/ AMENDMENTS PER STATE OF MARYLAND FIRE PREVENTION CODE
LIFE SAFETY:	2018 NFPA 101 LIFE SAFETY CODE (NATIONAL FIRE PROTECTION ASSOCIATION) W/ AMENDMENTS, PER STATE CODE: STATE OF MARYLAND FIRE PREVENTION CODE (REFERENCE COMAR 29.06.01)W/STATE FIRE MARSHAL MODIFICATIONS (REFERENCE COMAR 05.02.01) PUBLIC SAFETY ARTICLE TITLE 12, SUBTITLE 6 ANNOTATED CODE OF MARYLAND
ACCESSIBILITY:	2010 MARYLAND ACCESSIBILITY CODE (MAC), (REF: COMAR SECTION 05.02.0)
ENERGY:	2015 INTERNATIONAL ENERGY CONSERVATION CODE
CONSERVATION:	2018 IGCC - INTERNATIONAL GREEN CONVERSATION CODE (REF: COMAR 05.02.07)

FIRE EXTINGUISHER SPEC.

SYMBOL

F.E.

GENERAL CONTRACTOR SHALL FURNISH AND INSTALL NEW FIRE EXTINGUISHERS PER LOCAL FIRE MARSHAL SPECIFICATIONS. QUANTITY AND LOCATIONS MAY VARY FROM SHOWN ON THIS PLAN.

ALL FIRE EXTINGUISHERS SHALL BE TAGGED AND CERTIFIED BY G.C. PRIOR TO STORE OPENING.

GENERAL FIRE EXTINGUISHER CRITERIA:
FIRE EXTINGUISHER: DRY CHEMICAL, 2-A MIN. RATING. WALL MOUNT WITH BOTTOM OF EXTINGUISHER AT 30" A.F.F. UNLESS OTHERWISE INSTRUCTED BY THE FIRE MARSHAL.

LEGEND

154
ACTUAL OCCUPANT LOAD

480

STORE PLANNING Inc
3080 SENNA DRIVE
Matthews, North Carolina 28105
Phone: 704-841-7288
Fax: 704-849-6997

ARCHITECT
14053
JAMES T. REESE III
STATE OF MARYLAND
12/16/21

'Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland
License Number 14053
Expiration Date 12/27/2022

#	DATE	REVISION

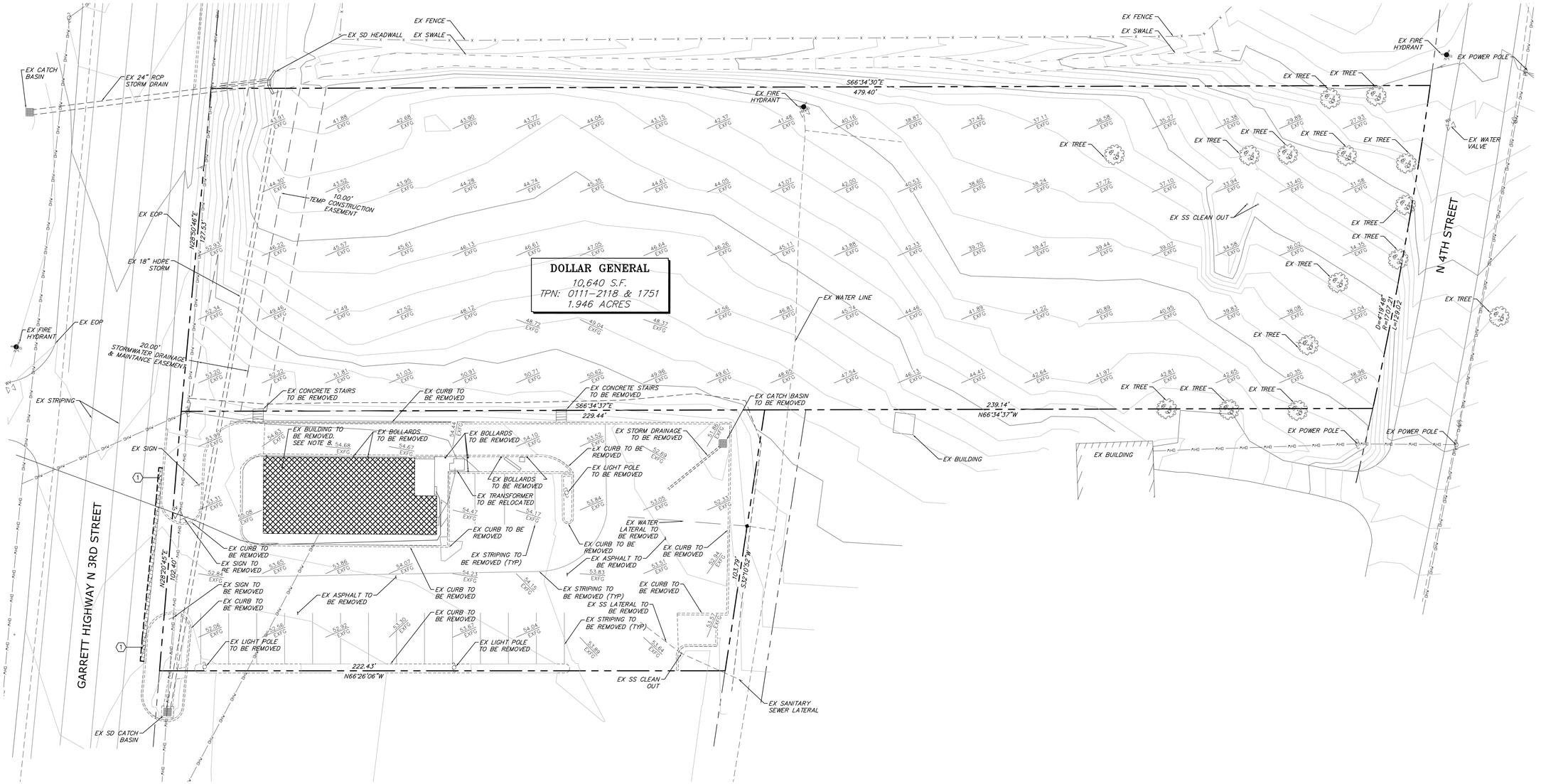
DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
LIFE SAFETY PLAN

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
T2



CONSTRUCTION NOTES:

1. SAWCUT AS PER DETAIL 1, SHEET C6.2

NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 2400 TO ALL FINISHED GRADE OR INVERT ELEVATIONS
5. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO FINALIZING BID. PLEASE NOTE ALL EXISTING VEGETATION ON SITE AND EXTENT OF REMOVAL AS NOT ALL VEGETATION IS SHOWN ON DEMOLITION PLAN.
6. COORDINATE WITH POWER COMPANY ON RELOCATION OF EXISTING POWER POLES AND OVERHEAD LINES.
7. EXISTING TREES ONSITE TO BE REMOVED SHALL BE REMOVED WITH ROOTS, NO GRINDING OF STUMP
8. REMOVE EXISTING BUILDINGS & RELATED STRUCTURES, COMPLETE; INCLUDING ALL FOOTINGS, FOUNDATION AND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL DEMOLITION PERMITS AS NEEDED. ASBESTOS MAY BE PRESENT IN THE BUILDINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE IF ASBESTOS IS PRESENT, AND IF SO, IT SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND DISPOSE OF IT.

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1"=20' DOLLAR GENERAL 21148_C11

DEMOLITION PLAN

SCALE: 1" = 20'-0"

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DRAWN: C.B.H.
DESIGNED: C.B.H.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP: STATE OF MARYLAND · MATTHEW RASMUSSEN · 21708 · 58122 · PROFESSIONAL ENGINEER

11-4-21
EXP 8-17-23

DESIGNER:

TECTONICS DESIGN GROUP
730 Sandhill Rd., #250, Reno, Nevada 89521
tel 775-824-9988
fax 775-824-9986
www.tectonicsdesigngroup.com

PROJECT/CLIENT:

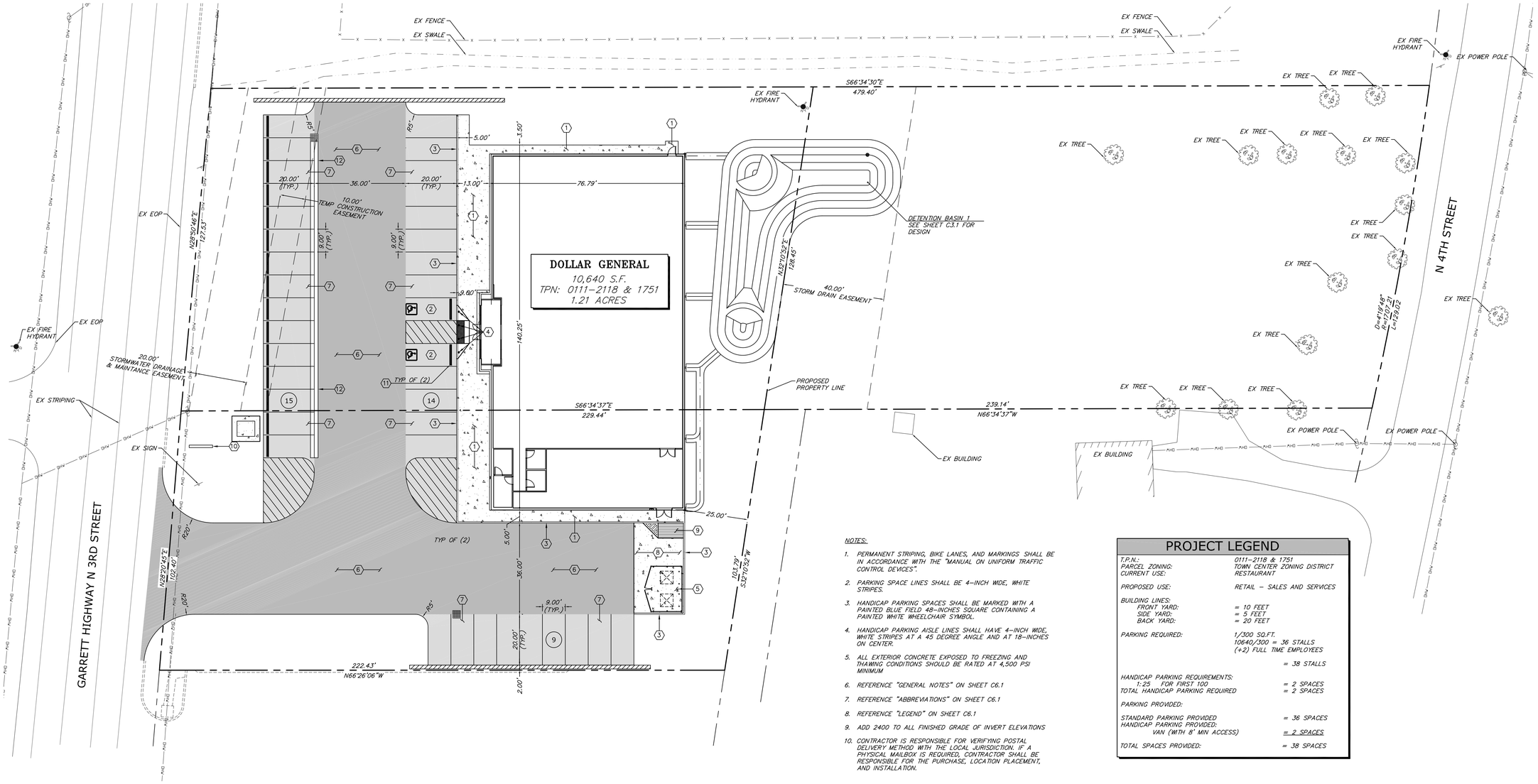
Dollar General
437 North 3rd Street, Oakland, Maryland
Outdoor Contractors Inc
14703 Indian Springs Rd, Hancock, MD 21750
#: 21148

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE: DEMOLITION PLAN

SHEET: C1.1



NOTES:

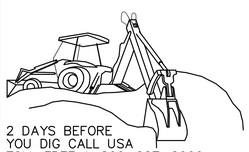
1. PERMANENT STRIPING, BIKE LANES, AND MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
2. PARKING SPACE LINES SHALL BE 4-INCH WIDE, WHITE STRIPES.
3. HANDICAP PARKING SPACES SHALL BE MARKED WITH A PAINTED BLUE FIELD 48-INCHES SQUARE CONTAINING A PAINTED WHITE WHEELCHAIR SYMBOL.
4. HANDICAP PARKING AISLE LINES SHALL HAVE 4-INCH WIDE, WHITE STRIPES AT A 45 DEGREE ANGLE AND AT 18-INCHES ON CENTER.
5. ALL EXTERIOR CONCRETE EXPOSED TO FREEZING AND THAWING CONDITIONS SHOULD BE RATED AT 4,500 PSI MINIMUM
6. REFERENCE "GENERAL NOTES" ON SHEET C6.1
7. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
8. REFERENCE "LEGEND" ON SHEET C6.1
9. ADD 2400 TO ALL FINISHED GRADE OF INVERT ELEVATIONS
10. CONTRACTOR IS RESPONSIBLE FOR VERIFYING POSTAL DELIVERY METHOD WITH THE LOCAL JURISDICTION. IF A PHYSICAL MAILBOX IS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR THE PURCHASE, LOCATION PLACEMENT, AND INSTALLATION.

PROJECT LEGEND

T.P.N.:	0111-2118 & 1751
PARCEL ZONING:	TOWN CENTER ZONING DISTRICT
CURRENT USE:	RESTAURANT
PROPOSED USE:	RETAIL - SALES AND SERVICES
BUILDING LINES:	
FRONT YARD:	= 10 FEET
SIDE YARD:	= 5 FEET
BACK YARD:	= 20 FEET
PARKING REQUIRED:	1/300 SQ.FT.
	10640/300 = 36 STALLS
	(+2) FULL TIME EMPLOYEES
	= 38 STALLS
HANDICAP PARKING REQUIREMENTS:	
1:25 FOR FIRST 100	= 2 SPACES
TOTAL HANDICAP PARKING REQUIRED	= 2 SPACES
PARKING PROVIDED:	
STANDARD PARKING PROVIDED	= 36 SPACES
HANDICAP PARKING PROVIDED:	
VAN (WITH 8' MIN ACCESS)	= 2 SPACES
TOTAL SPACES PROVIDED:	= 38 SPACES

CONSTRUCTION NOTES:

1. CONSTRUCT SIDEWALK PER DETAIL 2, SHEET C6.2
2. CONSTRUCT ACCESSIBLE RAMP AND STALLS PER DETAIL 3, SHEET C6.2
3. CONSTRUCT P.C.C. MEDIAN CURB PER DETAIL 7, SHEET C6.2
4. INSTALL ACCESSIBLE PARKING STALL SIGNAGE/6" BOLLARD AS PER DETAIL 3, SHEET C6.2 AND DETAIL 2, SHEET C6.3
5. INSTALL TRASH ENCLOSURE, SEE ARCHITECTURAL FOR DETAIL
6. CONSTRUCT HEAVY ASPHALT SECTION AS PER DETAIL 3, SHEET C6.3
7. CONSTRUCT LIGHT ASPHALT SECTION AS PER DETAIL 4, SHEET C6.3
8. CONSTRUCT CONCRETE PAD AS PER DETAIL 8, SHEET C6.2, FOR JOINTS IN CONCRETE SEE DETAIL 1 & 1A ON SHEET C6.3
9. CONSTRUCT DELIVERY RAMP AS PER DETAIL 5, SHEET C6.3
10. CONSTRUCT PYLON SIGN, COORDINATE WITH ELECTRICAL. LOCATE SIGN BASE AS CLOSE AS POSSIBLE TO ROADWAY. NO PORTION OF THE SIGN SHALL ENCROACH THE ROADWAY RIGHT-OF-WAY.
11. CONSTRUCT WHEEL STOP AS PER DETAIL 3, SHEET C6.4
12. CONSTRUCT VALLEY GUTTER DETAIL AS PER DETAIL 7, SHEET C6.4



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1"=20' DOLLAR GENERAL 21148_C21

SITE PLAN

SCALE: 1" = 20'-0"

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DESIGNED: C.B.H.
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MATTHEW RASMUSSEN
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58122
PROFESSIONAL ENGINEER
11-4-21
EXP 8-17-23

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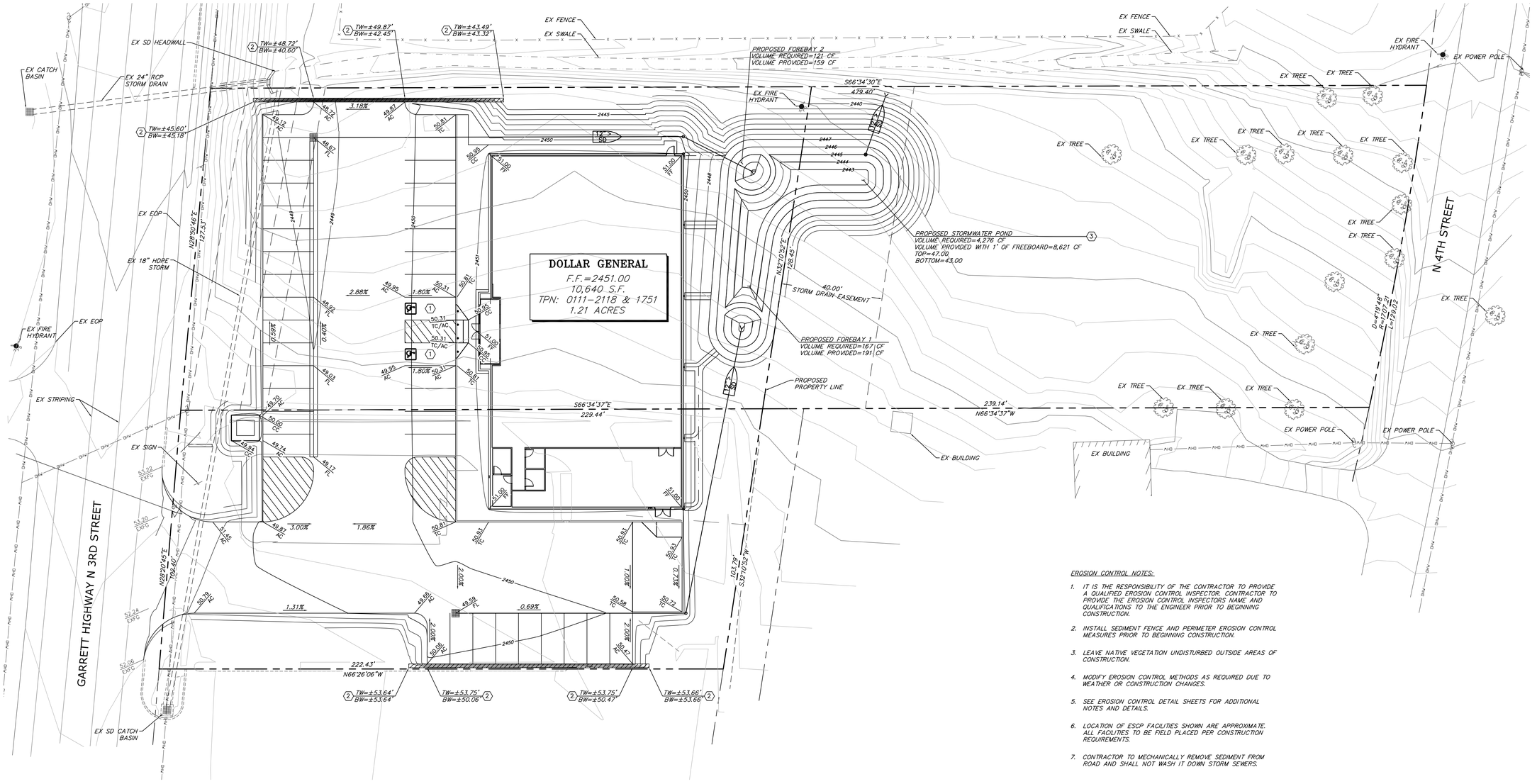
PROJECT/CLIENT:
Dollar General
437 North 3rd Street, Oakland, Maryland
Outdoor Contractors Inc
14703 Indian Springs Rd, Hancock, MD 21750
#: 21148

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE: SITE PLAN

SHEET: C2.1



EROSION CONTROL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A QUALIFIED EROSION CONTROL INSPECTOR. CONTRACTOR TO PROVIDE THE EROSION CONTROL INSPECTORS NAME AND QUALIFICATIONS TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
2. INSTALL SEDIMENT FENCE AND PERIMETER EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION.
3. LEAVE NATIVE VEGETATION UNDISTURBED OUTSIDE AREAS OF CONSTRUCTION.
4. MODIFY EROSION CONTROL METHODS AS REQUIRED DUE TO WEATHER OR CONSTRUCTION CHANGES.
5. SEE EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL NOTES AND DETAILS.
6. LOCATION OF ESCP FACILITIES SHOWN ARE APPROXIMATE. ALL FACILITIES TO BE FIELD PLACED PER CONSTRUCTION REQUIREMENTS.
7. CONTRACTOR TO MECHANICALLY REMOVE SEDIMENT FROM ROAD AND SHALL NOT WASH IT DOWN STORM SEWERS.

NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 2400 TO ALL FINISHED GRADE OR INVERT ELEVATIONS
5. ALL SLOPES GREATER THAN 3:1 SHALL BE TREATED WITH 0.5" DEEP 6"-8" ROCK RIPRAP

CONSTRUCTION NOTES:

1. ACCESSIBLE PARKING AND UNLOADING SPACES SHALL HAVE A MAXIMUM 2% SLOPE/CROSS SLOPE
2. PROPOSED KEYSTONE RETAINING WALL TO BE PROVIDED AS A DESIGN BUILD BY THE CONTRACTOR
3. CONSTRUCT LANDSCAPE DETENTION BASIN AS PER DETAIL 5, SHEET C6.4
4. CONSTRUCT DRAINAGE SWALE AS PER DETAIL 1, SHEET C6.4.

1"=20' DOLLAR GENERAL 21148_C31

GRADING PLAN

SCALE: 1" = 20'-0"

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DRAWN: C.B.H.
DESIGNED: C.B.H.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.
STATE OF MARYLAND · MATTHEW RASMUSSEN · 36122 · PROFESSIONAL ENGINEER
11-4-21
EXP 8-17-23

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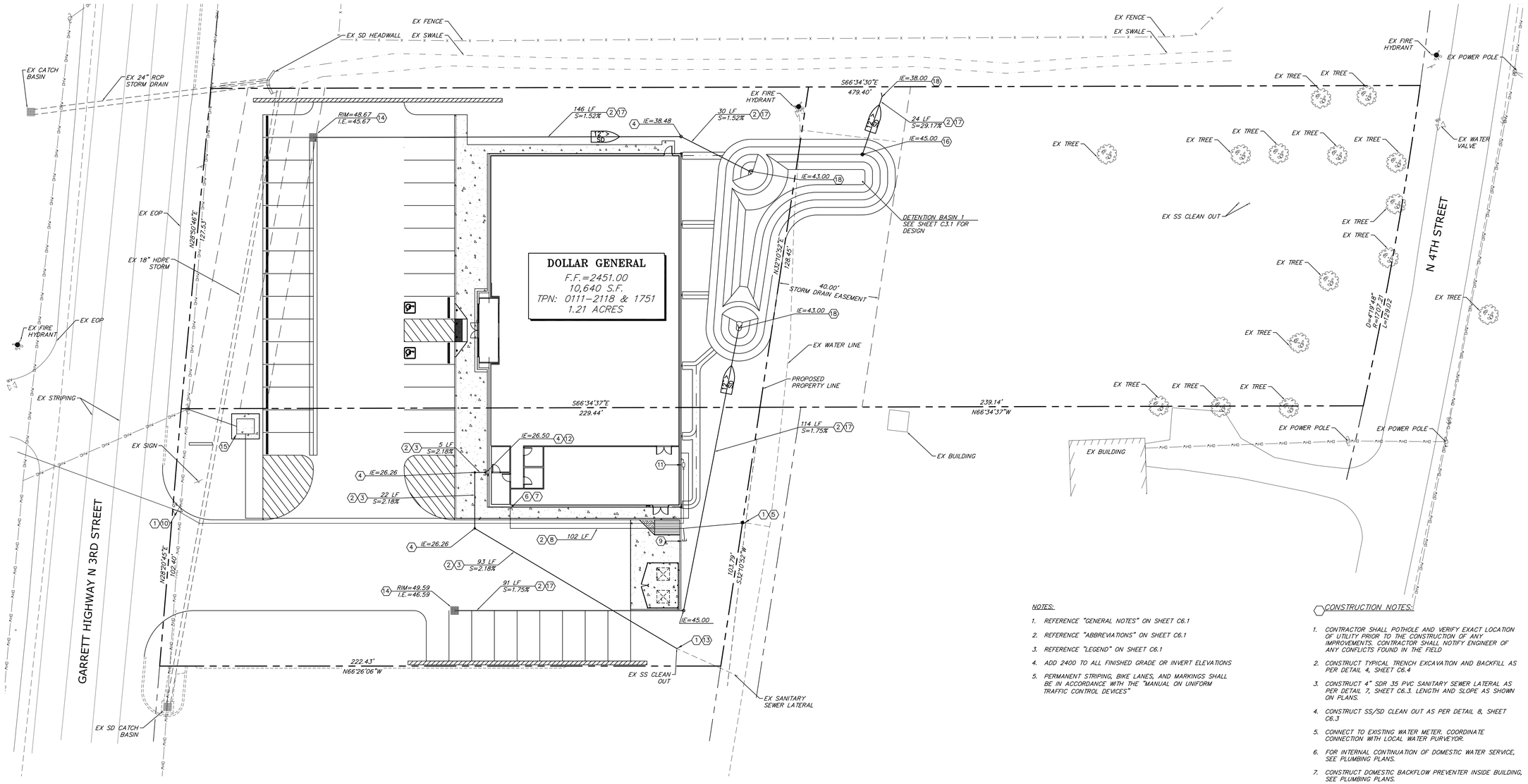
Outdoor Contractors Inc
14703 Indian Springs Rd, Hancock, MD 21750
#: 21148

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE: GRADING PLAN

SHEET: C3.1

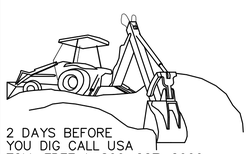


NOTES:

1. REFERENCE "GENERAL NOTES" ON SHEET C6.1
2. REFERENCE "ABBREVIATIONS" ON SHEET C6.1
3. REFERENCE "LEGEND" ON SHEET C6.1
4. ADD 2400 TO ALL FINISHED GRADE OR INVERT ELEVATIONS
5. PERMANENT STRIPING, BIKE LANES, AND MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES"

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL POTHOLE AND VERIFY EXACT LOCATION OF UTILITY PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS FOUND IN THE FIELD
2. CONSTRUCT TYPICAL TRENCH EXCAVATION AND BACKFILL AS PER DETAIL 4, SHEET C6.4
3. CONSTRUCT 4" SDR 35 PVC SANITARY SEWER LATERAL AS PER DETAIL 7, SHEET C6.3. LENGTH AND SLOPE AS SHOWN ON PLANS.
4. CONSTRUCT SS/SD CLEAN OUT AS PER DETAIL 8, SHEET C6.3
5. CONNECT TO EXISTING WATER METER. COORDINATE CONNECTION WITH LOCAL WATER PURVEYOR.
6. FOR INTERNAL CONTINUATION OF DOMESTIC WATER SERVICE, SEE PLUMBING PLANS.
7. CONSTRUCT DOMESTIC BACKFLOW PREVENTER INSIDE BUILDING, SEE PLUMBING PLANS.
8. INSTALL 1" HDPE DOMESTIC WATER SERVICE, PIPE LENGTH AS SHOWN ON PLANS.
9. CONSTRUCT IRRIGATION STUB OUT AND METER. CONTRACTOR TO COORDINATE LOCATION AND ROUTING AS NECESSARY.
10. CONNECT TO EXISTING GAS LINE FOR GAS SERVICE, COORDINATE SERVICE LINE ROUTING, TAP LINE SIZE & DESIGN WITH LOCAL GAS PURVEYOR.
11. INSTALL GAS METER, COORDINATE LOCATION & DESIGN WITH LOCAL GAS PURVEYOR.
12. FOR INTERNAL SANITARY SEWER PIPING REFERENCE PLUMBING PLANS FOR CONTINUATION.
13. CONNECT TO EXISTING SANITARY SEWER LATERAL. COORDINATE CONNECTION WITH LOCAL SEWER PURVEYOR.
14. CONSTRUCT TYPE 4R CATCH BASIN AS PER DETAIL 3, SHEET C6.5
15. RELOCATED TRANSFORMER. COORDINATE SIZE, LAYOUT & FINAL LOCATION WITH ELECTRICAL PURVEYOR.
16. INSTALL 24" STAND PIPE WITH BEEHIVE GRATE AS PER DETAIL 6, SHEET C6.4
17. CONSTRUCT 12" SDR 35 PVC PIPE STORM DRAIN PIPE, LENGTH AND SLOPE AS SHOWN ON PLANS
18. CONSTRUCT FLARED END SECTION WITH RIP RAP AS PER DETAIL 2 & 8, SHEET C6.4.



1"=20' DOLLAR GENERAL 21148_C41

UTILITY PLAN

SCALE: 1" = 20'-0"

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DESIGNER:
DRAWN: C.B.H.
DESIGNED: C.B.H.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP: STATE OF MARYLAND · MATTHEW RASMUSSEN · 21708 · 58122 · PROFESSIONAL ENGINEER

11-4-21
EXP 8-17-23

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PROJECT/CLIENT:
#: 21148

Dollar General
437 North 3rd Street, Oakland, Maryland

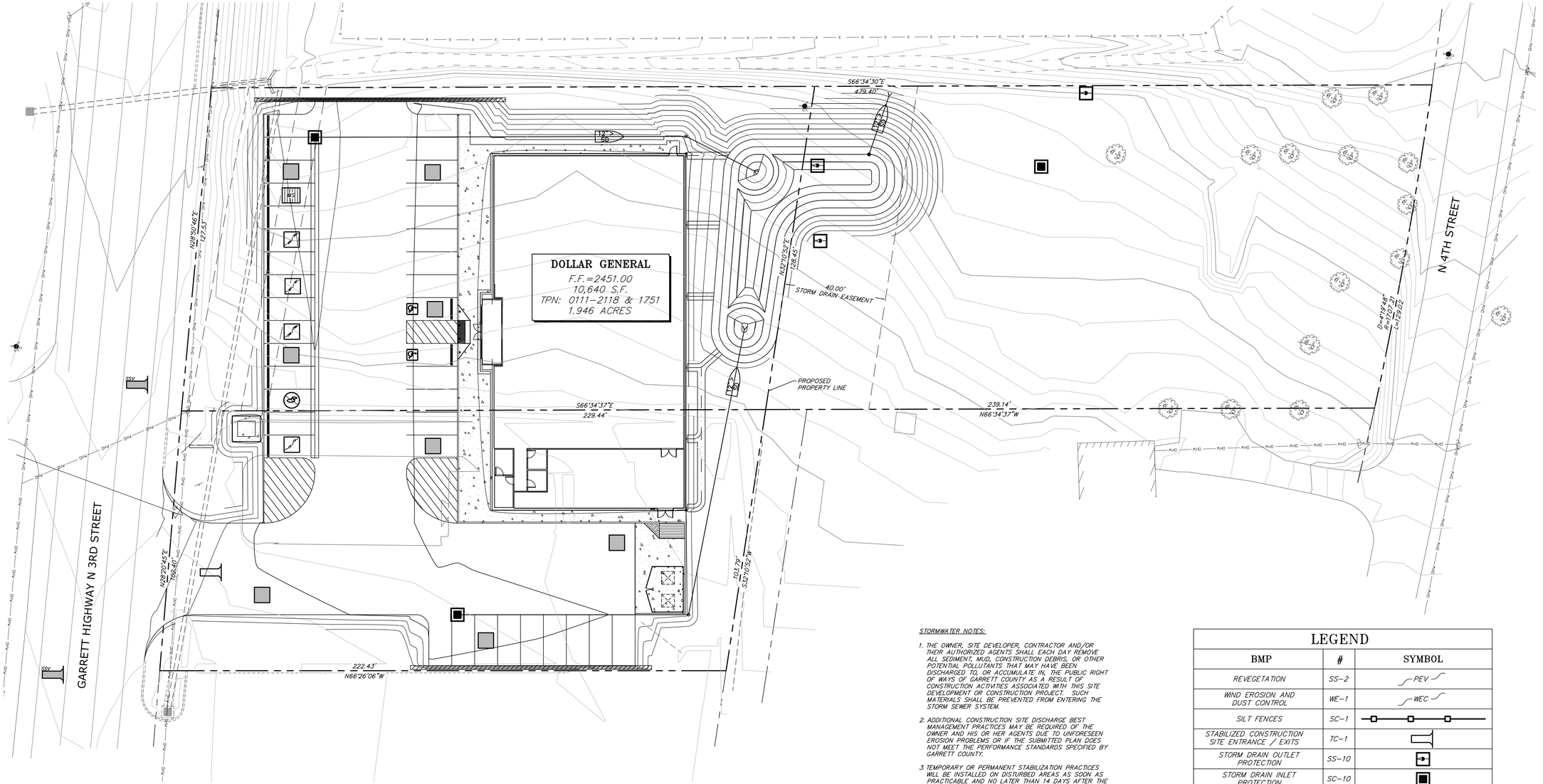
Outdoor Contractors Inc
14703 Indian Springs Rd, Hancock, MD 21750

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE: UTILITY PLAN

SHEET: C4.1



STORMWATER NOTES:

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHT OF WAYS OF GARRETT COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED BY GARRETT COUNTY.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPS WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTION MAY APPLY, SUCH AS FROZEN GROUND CONDITIONS OR SUSPENSION OF LAND DISTURBANCE ACTIVITIES.
5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
6. REFER TO WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MANUAL FOR FURTHER CONSTRUCTION SITE BEST MANAGEMENT PRACTICES DEFINITIONS.

LEGEND

BMP	#	SYMBOL
REVEGETATION	SS-2	PEV
WIND EROSION AND DUST CONTROL	WE-1	WEC
SILT FENCES	SC-1	
STABILIZED CONSTRUCTION SITE ENTRANCE / EXITS	TC-1	
STORM DRAIN OUTLET PROTECTION	SS-10	
STORM DRAIN INLET PROTECTION	SC-10	
STOCKPILE MANAGEMENT	WM-3	
STREET SWEEPING AND VACUUMING	SC-7	SSV
SPILL PREVENTION AND CONTROL	WM-4	
CONCRETE WASTE MANAGEMENT	WM-8	
VEHICLE AND EQUIPMENT FUELING	NS-9	
VEHICLE AND EQUIPMENT MAINTENANCE	NS-10	
MATERIAL DELIVERY STORAGE	WM-1	MDS
PAVEMENT CONSTRUCTION MANAGEMENT	NS-3	
GRADED FLOW DIRECTION		

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1"=20' DOLLAR GENERAL 21148_C51

BMP PLAN

SCALE: 1" = 20'-0"

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DRAWN: C.B.H.
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#: 21148

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE: BMP PLAN

SHEET: C5.1

GENERAL NOTES

1. ALL CONSTRUCTION SHALL MEET THE GARRETT COUNTY PUBLIC WORKS.
2. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION FOR THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER OF RECORD HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER OF RECORD.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING PROCEDURES AND CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS.
4. THE CONTRACTOR SHALL MAINTAIN AN ON-GOING DUST CONTROL PROGRAM, INCLUDING WATERING OF OPEN AREAS, IN ORDER TO CONFORM WITH THE LATEST FEDERAL, STATE, AND COUNTY AIR POLLUTION REGULATIONS. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, A DUST CONTROL PLAN TO GREENE COUNTY DISTRICT HEALTH DEPARTMENT AIR POLLUTION CONTROL DIVISION PRIOR TO COMMENCEMENT OF ANY WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY REMOVAL OF ALL CONSTRUCTION MATERIALS LOST ON PAVED STREETS, ONSITE OR OFFSITE. AT THE CLOSE OF EACH DAY THE CONTRACTOR SHALL LEAVE THE SITE IN A CLEAN AND ORDERLY FASHION. ALL DEBRIS SHALL BE REMOVED FROM THE SITE OR PLACED IN A GARBAGE RECEPTACLE.
6. THE CONTRACTOR SHALL PURSUE THE WORK IN A CONTINUOUS AND DILIGENT MANNER, CONFORMING TO ALL THE PERTINENT SAFETY REGULATIONS, TO INSURE A TIMELY COMPLETION OF THE PROJECT.
7. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL, ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THE WORK, UTILITY COMPANIES, TELEPHONE COMPANIES, CABLE TELEVISION COMPANIES, AND ANY OTHER ENTITY IMPACTED BY THE WORK 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL GIVE 24 HOURS PRIOR NOTICE FOR ALL CONSTRUCTION STAKING AND INSPECTIONS REQUIRED DURING CONSTRUCTION.
8. ALL AREAS DISTURBED AND LEFT UNDEVELOPED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE STABILIZED BY THE APPLICATION OF AN APPROVED DUST PALLIATIVE AT NO EXPENSE TO THE OWNER.
9. THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES REQUIRED TO SECURE ANY AND ALL PERMITS NECESSARY TO PERFORM WORK WITHIN THE PUBLIC RIGHT-OF WAY.
10. ALL UTILITY LOCATIONS, SIZES, AND DESCRIPTIONS AS SHOWN ARE FROM SURFACE OBSERVATIONS USED IN CONJUNCTION WITH REFERENCE MAPS, DRAWINGS, AND VERBAL STATEMENTS SUPPLIED BY UTILITY COMPANIES, AND MAY NOT BE WHOLLY CURATE OR RELIABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES IN THE FIELD EITHER BY ACTUAL POTHOLING OR VISUALLY, AND NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHICH MAY BE AFFECTED BY THE WORK TO OBTAIN ASSISTANCE IN THE LOCATION OF EXISTING MAINS AND SERVICE CONNECTIONS. THE CONTRACTOR SHALL ALSO CALL U.S.A. (1-800-245-4848) PRIOR TO BEGINNING WORK.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SIGNING, BARRICADES AND TRAFFIC DELINEATION TO CONFORM TO BOTH THE STATE OF PENNSYLVANIA, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, "MANUAL ON TEMPORARY TRAFFIC CONTROL FOR STREETS AND HIGHWAYS" (INCLUDING APPLICABLE CASES A1, A3, A4, AND A6 OF SAID MANUAL), AND THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES.
12. THE WORK IN THIS CONTRACT INCLUDES ALL ONSITE AND OFFSITE WORK SHOWN ON THESE DRAWINGS, DESCRIBED IN THE SPECIFICATIONS, OR REASONABLY IMPLIED.
13. SHOULD ANY PREHISTORIC OR HISTORIC REMAINS/ARTIFACTS BE DISCOVERED DURING CONSTRUCTION, WORK SHALL TEMPORARILY BE HALTED AT THE SPECIFIC SITE AND THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES, DIVISION OF HISTORIC PRESERVATION AND ARCHEOLOGY FOR THEIR INVESTIGATION OF THE DISCOVERY. THE PERIOD OF TEMPORARY DELAY SHALL BE LIMITED TO A MAXIMUM OF TWO WORKING DAYS FROM THE DATE OF NOTIFICATION.
14. ALL DIMENSIONS AND DISTANCES ARE TO FRONT FACE OF CURB, CURB RETURN, FACE OF BUILDING, FACE OF WALL, FLOW LINE, PROPERTY LINE, CENTER OF STRIPING, CENTER LINE OF PIPE OR MANHOLE, OR END OF IMPROVEMENTS.
15. THE CONTRACTOR SHALL PROTECT FROM DAMAGE EXISTING IMPROVEMENTS ON AND AROUND THE SITE INCLUDING, BUT NOT LIMITED TO, PAVEMENT, CURB & GUTTER, SIDEWALK, LANDSCAPING, SIGNAGE, STORM & SANITARY SEWERS, UTILITIES, TELEPHONE, AND CABLE TELEVISION. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE REPAIR AND/OR REPLACEMENT OF ANY IMPROVEMENTS (NEW OR EXISTING) DAMAGED THROUGHOUT THE COURSE OF CONSTRUCTION, EITHER AS A DIRECT RESULT OF HIS ACTIVITIES OR HIS FAILURE TO ADEQUATELY PROTECT THE IMPROVEMENT.
16. THE CONTRACTOR SHALL UPON COMPLETION OF THE PROJECT, PREPARE AND SUBMIT TO THE OWNER OR HIS REPRESENTATIVE, RECORD DRAWINGS INDICATING BY DIMENSION AND DESCRIPTION ANY FACILITY CONSTRUCTED CONTRARY TO THAT SHOWN ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS.
17. PRIOR TO THEIR INCORPORATION INTO THE WORK, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEER OF RECORD'S APPROVAL, SHOP DRAWINGS AND MATERIAL SPECIFICATIONS FOR ALL MATERIALS TO BE USED ON THE PROJECT TO INCLUDE, BUT NOT BE LIMITED TO, ASPHALTIC CONCRETE AND PORTLAND CEMENT CONCRETE MIX DESIGN, AGGREGATE BASE QUALIFICATIONS, PIPE BEDDING, SELECT BACKFILL, PRECAST CONCRETE, CAST IRON GRATES AND COVERS, PIPING, FENCING, AND SIGNS.
18. THE CONTRACTOR SHALL AT ALL TIMES, PROVIDE AND MAINTAIN EMERGENCY ACCESS TO THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FIRE PROTECTION AGENCY HAVING JURISDICTION OVER THE PROJECT SITE.
19. ALL QUANTITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND USED ONLY FOR PERMIT AND BOND PURPOSES ONLY. THEY SHALL NOT BE USED IN ANY WAY FOR BIDDING OR CONSTRUCTION PURPOSES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE HIS OWN QUANTITY ESTIMATES FOR BIDDING AND CONSTRUCTION PURPOSES.
20. INSPECTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE JEFFERSON BOROUGH STANDARDS OR THE STANDARD SPECIFICATIONS, WHICHEVER IS THE MORE STRINGENT.
21. THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF EVENTS TO THE ENGINEER OF RECORD AND UPDATE IT EVERY TWO WEEKS, OR SUSTAIN WORK UNTIL IT IS COMPLETED, WITH NO TIME DELAYS IN THE CONTRACT PERIOD. THE SCHEDULE IS FOR THE OWNER AND HIS COORDINATION OF THE OVERALL OPERATION OF THE CONSTRUCTION. THE CONTRACTOR SHALL IN NO WAY IMPEDE THE OVERALL PERFORMANCE OF THE OWNER'S OPERATIONS.
22. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD PRIOR TO ITS INCORPORATION INTO THE WORK SHOP DRAWINGS, MATERIAL SPECIFICATIONS FOR ALL MATERIALS TO BE USED IN THE PROJECT TO INCLUDE, BUT NOT LIMITED TO, ASPHALTIC CONCRETE AND PORTLAND CEMENT MIX DESIGN, AGGREGATE BASE QUALIFICATIONS, PIPE BEDDING, SELECT BACKFILL,CAST CONCRETE, CAST IRON GRATES AND OVERS, PIPING, FENCING, BOXES AND COVERS, AND SIGNS.

DEMOLITION NOTES:

1. THE CONTRACTOR MAY SALVAGE ITEMS NOT SPECIFICALLY DESIGNATED AS NON-SALVAGEABLE WITH WRITTEN PERMISSION FROM THE ENGINEER OF RECORD. THE NON-SALVAGEABLE MATERIALS SHALL BE DISPOSED OF AT THE APPROPRIATE LOCATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER OFF-SITE DISPOSAL OF MATERIALS TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER OF RECORD, AREAS TO BE USED FOR THE TEMPORARY STOCKPILING OF MATERIALS TO BE REMOVED.
3. THE CONTRACTOR SHALL WET-DOWN AND TARP EVERY TRUCK LOADS LEAVING THE SITE FOR A DISPOSAL AREA. THIS PROCEDURE IS CRITICAL TO THE DUST ABATEMENT PLAN AND WILL BE STRICTLY ENFORCED.
4. THE CONTRACTOR SHALL APPLY AND PAY FOR ALL PERMITS REQUIRED FOR THIS PROJECT, UNLESS SPECIFIED OTHERWISE.
5. IF STRUCTURE REMOVAL CREATES SIGNIFICANT DEPRESSIONS, THE CONTRACTOR SHALL ROUND OFF THE SIDES TO 3:1 SLOPE, AND COMPACT TO 85% M.D.D.
6. ALL SAWCUT LINES SHALL BE NEATLY DONE, PARALLEL AND PERPENDICULAR TO EXISTING IMPROVEMENTS. SAWCUT LINES SHALL BE ADJUSTED TO REASONABLY INCORPORATE AREAS OF DAMAGED CURB, GUTTER, SIDEWALK, AND PAVEMENT.
7. REMOVE AND DISPOSE OF ANY DEBRIS THAT IS WITHIN THE CONSTRUCTION LIMITS AND IS NOT SPECIFICALLY CALLED OUT.

SITE NOTES:

1. REFERENCE ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND UTILITY PLANS FOR FURTHER IMPROVEMENTS WITHIN THIS CONTRACT.
2. REFERENCE LANDSCAPING PLANS FOR MOUNDING, PLANTING, AND IRRIGATION CONSTRUCTION.
3. ALL INSPECTION AND TESTING WILL BE TO THE JEFFERSON BOROUGH'S STANDARDS OR BEAVER COUNTY STANDARDS, WHICHEVER IS MORE STRINGENT.
4. ALL P.C.C. CURB, GUTTER, SIDEWALK, AND SLOPE PAVING SHALL BE CLASS AA OR DA CONCRETE (4000 PSI), WITH BROOM FINISH, UNLESS OTHERWISE INDICATED.
5. ALL CONCRETE CURB AND GUTTER SHALL HAVE 1/2" EXPANSION JOINTS EVERY 30 FOOT INTERVAL, AT ALL POINTS ABUTTING BUILDINGS OR STRUCTURES, AND AT ALL CURB RETURNS UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER OF RECORD. EXPANSION JOINTS ABUTTING BUILDINGS AND STRUCTURES SHALL HAVE SILICONE APPLIED TO THE JOINT TO PREVENT WATER INTRUSION. WEAKENED PLANE JOINTS SHALL BE EVERY 10 FEET AND STRUCK-THRU AS THE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION INDICATES.
6. CONCRETE SIDEWALKS SHALL HAVE 1/2" EXPANSION JOINTS AT ALL POINTS ABUTTING BUILDINGS AND STRUCTURES, EVERY 30 FOOT INTERVAL, AT ALL SIDEWALK RETURNS, AND OPPOSITE EXPANSION JOINTS IN ADJACENT CURB. EXPANSION JOINTS ABUTTING BUILDINGS AND STRUCTURES SHALL HAVE SILICONE APPLIED TO THE JOINT TO PREVENT WATER INTRUSION. WEAKENED PLANE JOINTS SHALL BE LOCATED AT INTERVALS NOT EXCEEDING 1.2 TIMES THE WIDTH AND NO MORE FREQUENTLY THAN 0.8 TIMES THE WIDTH. IN NO CASE SHALL REGULAR INTERVALS OF WEAKENED PLANE JOINTS IN EITHER DIRECTION EXCEED 10 FEET.
7. THE CONTRACTOR SHALL INSTALL PAVEMENT STRIPING AS ILLUSTRATED ON THE PLANS PER THE STANDARD SPECIFICATIONS. PARKING STALLS SHALL BE MARKED WITH A 4" SOLID "TRAFFIC WHITE" PAINTED LINES. FIRE LANES SHALL BE MARKED WITH SOLID "TRAFFIC RED" PAINTED CURBS (TOP AND FRONT FACE) OR 4" PAINTED LINES IF INDICATED. ALL SIGNAGE SHALL BE IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
8. IN ALL AREAS WHERE NEW A.C. PAVEMENT OR PATCH IS TO MATCH EXISTING PAVEMENT, THE CONTRACTOR SHALL SAWCUT AND REMOVE THE EXISTING PAVEMENT 24" FROM SUCH IMPROVEMENTS OR AS INDICATED ON THE PLANS. NEW PAVEMENT OR PAVEMENT PATCH SHALL CONFORM TO THE EXISTING PAVEMENT AT THIS POINT AND TRANSITION SMOOTHLY TO THE NEW IMPROVEMENTS.
9. IN AREAS WHERE NEW CURB, GUTTER OR SIDEWALK IS TO MATCH EXISTING, THE CONTRACTOR SHALL REMOVE THE EXISTING CURB, GUTTER OR SIDEWALK TO THE CLOSEST JOINT.
10. THE CONTRACTOR SHALL CLOSELY COORDINATE CONSTRUCTION WITH OTHER TRADE CONTRACTORS, TO INSURE ADEQUATE ACCESS TO THE BUILDING SITE.
11. THE CONTRACTOR SHALL MAINTAIN FIRE ACCESS TO ALL THE BUILDINGS TO THE SATISFACTION OF THE CITY'S FIRE DEPARTMENT.
12. ALL DIMENSIONS AND DISTANCES ARE TO FRONT FACE OF CURB, CURB RETURNS, FACE OF BUILDINGS, FACE OF WALL, FLOWLINE, PROPERTY LINE, CENTER OF STRIPING, CENTERLINE OF PIPE OR MANHOLES, CENTER OF FENCING, OR END OF IMPROVEMENTS.
13. ALL QUANTITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND SHOULD BE USED FOR PERMIT PURPOSES ONLY. THEY SHALL NOT BE USED IN ANY WAY FOR BIDDING PURPOSES OR CONSTRUCTION PURPOSES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE HIS OWN QUANTITY ESTIMATES FOR BIDDING AND CONSTRUCTION PURPOSES

WATER AND SANITARY SEWER CROSSING OR PARALLEL NOTES:

1. WHEN THE SEWER MAIN CROSSES THE WATER MAIN, THE SEWER MAIN MUST BE LOCATED AT LEAST 18 INCHES LOWER THAN THE WATER MAIN.
2. WHEN THE SEWER MAIN CROSSES A WATER SERVICE LATERAL, THE SEWER MAIN MUST BE LOCATED AT LEAST 18 INCHES LOWER THAN THE WATER SERVICE LATERAL.
3. WHEN THE SEWER SERVICE LATERAL CROSSES A WATER MAIN OR WATER SERVICE LATERAL, THE SEWER SERVICE LATERAL MUST BE LOCATED AT LEAST 12 INCHES LOWER THAN THE WATER MAIN OR WATER SERVICE LATERAL.
4. WHEN A SEWER OR STORM DRAIN MAIN PARALLELS A WATER MAIN OR WATER SERVICE LATERAL, THE SEWER MAIN MUST BE IN A SEPARATE TRENCH AND MUST HAVE A 10 FOOT HORIZONTAL SEPARATION.
5. WHEN A SEWER SERVICE LATERAL PARALLELS A WATER MAIN OR WATER SERVICE LATERAL, THE SEWER SERVICE LATERAL MUST BE IN A SEPARATE TRENCH, BE LOCATED 12 INCHES LOWER, AND MUST HAVE A 48 INCH HORIZONTAL SEPARATION.

UTILITY NOTES:

1. THE CONTRACTOR SHALL PERFORM A SEWER MANDREL TEST IN THE PRESENCE OF THE ENGINEER AND OWNER.
2. THE CONTRACTOR SHALL BALL AND FLUSH ALL SEWER AND STORM DRAIN LINES IN THE PRESENCE OF THE ENGINEER AND OWNER.
3. THE CONTRACTOR SHALL PERFORM AN AIR PRESSURE TEST ON ALL SEWER LINES.
4. THE CONTRACTOR SHALL AT ALL TIMES, PROVIDE AND MAINTAIN EMERGENCY ACCESS TO THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FIRE PROTECTION AGENCY HAVING JURISDICTION OVER THE PROJECT SITE.
5. THE CONTRACTOR SHALL ADJUST ALL UTILITY BOXES, MANHOLE COVERS, DRAIN INLETS, VALVE COVERS, ETC. TO MATCH FINISH GRADE IN THE CONSTRUCTION AREA UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL EXCAVATE FOR AND EXPOSE EXISTING UNDERGROUND UTILITIES WHERE CONNECTIONS ARE TO BE MADE PRIOR TO ANY CONSTRUCTION. SHOULD ANY ADJUSTMENTS IN LINE OR GRADE BE NECESSARY, THE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
7. THE CONTRACTOR SHALL COORDINATE UNDERGROUND UTILITY CONSTRUCTION IN SUCH A MANNER AS TO PREVENT ANY CONFLICT WHERE UTILITY LINES CROSS.
8. THE CONTRACTOR SHALL COORDINATE PRE-CONSTRUCTION MEETINGS WITH ALL GOVERNING AGENCIES AND UTILITY COMPANIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
9. ALL PVC SANITARY SEWER PIPE SHALL BE SDR 35 UNLESS OTHERWISE NOTED; ALL PVC STORM DRAIN PIPE SHALL BE SERIES 46 UNLESS OTHERWISE NOTED; ALL RCP SHALL BE CLASS III UNLESS OTHERWISE NOTED.
10. ALL CATCH BASIN OUTLETS SHALL BE FITTED WITH A "SUR-TRAP" AS PER THE DETAILS INDICATE. ALL CATCH BASINS SHALL HAVE A MINIMUM OF 12" DEEP SILT TRAP IN THE BOTTOM.
11. GAS AS SHOWN IS SCHEMATIC ONLY. FINAL DESIGN SHALL BE PERFORMED BY LOCAL PURVEYOR. CONSTRUCTION SHALL FOLLOW THOSE PLANS AND SPECIFICATIONS.
12. THE CONTRACTOR SHALL INSTALL A BLUE REFLECTOR IN THE STREET CENTERLINE ADJACENT TO ALL FIRE HYDRANTS AND PAINT THE CURB "RED" PER THE REQUIREMENTS OF THE FIRE DEPARTMENT.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND SUPPLY ALL MECHANICAL JOINTS REQUIRED TO OBTAIN SUFFICIENT DEPTHS AT ALL SEWER, STORM DRAIN, AND ELECTRICAL CROSSINGS. HE SHALL ALSO BE RESPONSIBLE TO DETERMINE AND SUPPLY ALL MECHANICAL JOINTS DUE TO GRADE CHANGES AT ALL SLOPES.
14. ELECTRICAL, TELEPHONE, AND CABLE TV DESIGN SHALL BE PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. CONSTRUCTION SHALL FOLLOW THEIR PLANS AND SPECIFICATIONS.

GENERAL WATER NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO SOUTHWESTERN PENNSYLVANIA WATER AUTHORITY PUBLIC WORKS CONSTRUCTION STANDARDS.
2. THE WATER SYSTEM SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR THE PUBLIC WORKS CONSTRUCTION. THE STANDARD DETAILS FOR PUBLIC WORKS ADOPTED BY SOUTHWESTERN PENNSYLVANIA WATER AUTHORITY (EXCEPT AS MODIFIED BY THESE PLANS OR SPECIAL PROVISIONS) AND SOUTHWESTERN PENNSYLVANIA WATER AUTHORITY STANDARDS.
3. ALL PIPE PLUGS ARE TO BE EXTENDED 20' BEYOND END OF PAVEMENT OR 40' BEYOND VALVE, (WHICHEVER IS GREATER) WITH FLUSH VALVES AND AIR RELEASE ASSEMBLY, IF AT HIGH POINT.
4. VALVES SHALL BE SPACED AT 500' MAXIMUM.
5. ALL WATER SERVICE LATERALS SHALL HAVE A METER BOX INSTALLED.
6. THE CONTRACTOR SHALL INSTALL A WATER METER BOX AND METER.
7. WATER PIPE SHALL BE CLASS 150 PER AWWA C-900, UNLESS OTHERWISE SHOWN ON PLANS.
8. SUBMITTALS FOR ALL WATER PIPE AND APPURTENANCES SHALL BE SUBMITTED AND APPROVED BY GREENE COUNTY UTILITY SERVICES DIVISION PRIOR TO CONSTRUCTION
9. WATER PIPE FITTINGS SHALL BE D.I. OR C.I. IN ACCORDANCE WITH AWWA C-111 AND C-110 OR C-153.
10. THE CONTRACTOR SHALL MEET WITH THE UTILITY SERVICES DIVISION PRIOR TO STARTING CONSTRUCTION ON THE WATER SYSTEM.
11. WATER LINES SHALL BE CHLORINATED AND FLUSHED IN ACCORDANCE WITH AWWA STANDARDS AND TO THE SATISFACTION OF THE UTILITY DIVISION INSPECTOR PRIOR TO EXISTING WATER SYSTEM TIE IS MADE.
12. NEW WATER LINES MUST PASS THE BACTERIOLOGICAL TEST AND THE PRESSURE TEST TO THE SATISFACTION OF THE UTILITY DIVISION INSPECTOR.
13. THE SOUTHWESTERN PENNSYLVANIA WATER AUTHORITY INSPECTOR MUST APPROVE TIES TO EXISTING WATER LINES.
14. THE CONTRACTOR SHALL NOTIFY THE GREENE COUNTY SERVICES DIVISION 48 HOURS PRIOR TO STARTING CONSTRUCTION ON THE WATER OR SEWER SYSTEM.
15. VALVES INSTALLED UNDERGROUND SHALL BE EQUIPPED WITH A VALVE BOX, COVER AND CONDUCTOR PIPE. THE COVER SHALL BE MARKED "WATER".
16. VALVES SHALL BE RESILIENT-SEATED GATE VALVES. IRON BODY, BRONZE-MOUNTED, AND NON-RISING MEETING THE REQUIREMENTS OF AWWA C-509. VALVES SHALL BE INSTALLED WITH THE STEMS IN A VERTICAL POSITION. VALVES SHALL OPEN "COUNTER-CLOCKWISE" AND SHALL HAVE 2" SQUARE OPERATING NUTS. VALVES SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C-600 AND THE STANDARD SPECIFICATIONS.
17. UNDERGROUND DETECTABLE WARNING TAPE SHALL BE AT LEAST 3" WIDE AND SHALL BE BLUE IN COLOR AND SHALL BE MARKED "CAUTION WATER LINE BURIED BELOW" AT LEAST EVERY 36".
18. ALL METALLIC PARTS INSTALLED UNDERGROUND THAT DO NOT HAVE A FACTORY APPLIED PROTECTIVE COATING SHALL BE PROTECTED WITH A FIELD APPLIED BITUMINOUS COATING SUCH AS TAPE COAT, MASTIC OR EQUAL.
19. REPRODUCIBLE AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE UTILITY SERVICES DIVISION PRIOR TO ACCEPTANCE OF PROJECT WITH THE FOLLOWING IDENTIFIED:

GENERAL:
- A) CHANGE IN SLOPE OR ALIGNMENT
- B) CHANGE IN SIZE OR TYPE OF SEWER AND WATER PIPE

SEWER:
- A) DIMENSION FROM DOWN-STREAM SSMH TO EACH LATERAL
- B)CHANGES IN DIMENSION BETWEEN SSMH'S
- C) CHANGES IN I.E.'S

WATER:
- A) CHANGES IN DIMENSIONS BETWEEN FITTINGS AND VALVES
- B) CHANGES IN DIMENSIONS BETWEEN VALVES
- C) CHANGES IN TYPES OF FITTINGS AND VALVES

Ac _____ ACRES
AC _____ ASPHALTIC CONCRETE
ACP _____ ASBESTOS CONCRETE PIPE
BC _____ BUILDING CORNER
BDY _____ BOUNDARY
BVC _____ BEGIN VERTICAL CURVE
BSW _____ BACK OF SIDEWALK
BW _____ BOTTOM OF WALL
C _____ RUNOFF COEFFICIENT
CC _____ CORNER CONCRETE
C&G _____ CURB AND GUTTER
CB _____ CATCH BASIN
CFS _____ CUBIC FEET PER SECOND
C/L _____ CENTERLINE
CH _____ CHORD
CI _____ CAST IRON
CMP _____ CORRUGATED METAL PIPE
CO _____ CLEANOUT
CONC. _____ CONCRETE
CONST _____ CONSTRUCT
CP _____ CONCRETE PIPE
CPLG _____ COUPLING
CR _____ CURB RETURN
D _____ DELTA
DCV _____ DETECTOR CHECK VALVE
DI _____ DROP INLET OR DUCTILE IRON
DIA _____ DIAMETER
DET _____ DETAIL
E _____ ELECTRICAL
(EX) _____ EXISTING
EL _____ ELEVATION OR ELBOW
EC _____ END CURVE
EP _____ EDGE OF PAVEMENT
ES _____ EDGE OF SAWCUT LINE
EVC _____ END VERTICAL CURVE
FES _____ FLARED END SECTION
FF _____ FINISH FLOOR
FFC _____ FRONT FACE OF CURB
FFW _____ FRONT FACE OF WALL
FG _____ FINISH GRADE
FH _____ FIRE HYDRANT
FLG _____ FLANGE
FL _____ FLOW LINE
G _____ GAS
(G) _____ GROUND
GB _____ GRADE BREAK
GM _____ GAS METER
GPM _____ GALLONS PER MINUTE
GV _____ GAS VALVE
HOR _____ HORIZONTAL
HP _____ HIGH POINT
HS _____ HOUSE SERVICE
I _____ INTENSITY
IE _____ INVERT ELEVATION
IPS _____ IRON PIPE SIZE
IRR _____ IRRIGATION
L _____ LENGTH
LF _____ LINEAL FEET
LOG _____ LIP OF GUTTER
LP _____ LOW POINT
LT _____ LEFT
M _____ MIDDLE ORDINATE
MGD _____ MILLION GALLONS PER DAY
MH _____ MANHOLE
MOVC _____ MID-ORDINATE VERTICAL CURVE
MW _____ MONITORING WELL
NIC _____ NOT IN CONTRACT
NTS _____ NOT TO SCALE
OG _____ ORIGINAL GROUND
OH _____ OVERHEAD
OS _____ OFFSET LINE
P _____ PAD ELEVATION
PC _____ POINT OF CURVATURE
PI _____ POINT OF INTERSECTION
PIP _____ PLASTIC IRRIGATION PIPE
PIV _____ POST INDICATOR VALVE
PL _____ PROPERTY LINE
PT _____ POINT OF TANGENCY
PRC _____ POINT OF REVERSE CURVATURE
PVC _____ POLYVINYL CHLORIDE PIPE
Q _____ DISCHARGE RATE
R _____ RADIUS
(R) _____ RADIAL
REBAR _____ REINFORCING BARS
RCB _____ REINFORCED CONCRETE BOX
RCP _____ REINFORCED CONCRETE PIPE
REF _____ REFERENCE
RET _____ RETURN
RIB _____ RAPID INFILTRATION BASIN
RIM _____ RIM ELEVATION
ROW _____ RIGHT OF WAY
RT _____ RIGHT
S _____ SLOPE
SD _____ STORM DRAIN
SF _____ SQUARE FOOT
SHT _____ SHEET
SS _____ SANITARY SEWER
STL _____ STEEL
STA _____ STATION
S/W _____ SIDEWALK
T _____ TRANSFORMER
(T) _____ TELEPHONE
TEE _____ PIPE CONNECTION
TB _____ TOP OF BANK
TBC _____ TOP BACK OF CURB
TC _____ TOP OF CURB
Tc _____ TIME OF CONCENTRATION
TG _____ TOP OF GRATE
TOE _____ TOE OF SLOPE
TP _____ TOP OF PAVEMENT
TV _____ TELEVISION
TW _____ TOP OF WALL
TYP _____ TYPICAL
VC _____ VERTICAL CURVE
VERT _____ VERTICAL
VPI _____ VERTICAL POINT OF INTERSECTION
W _____ WATER
WM _____ WATER METER
WV _____ WATER VALVE

1 ABBREVIATIONS
SCALE: N.T.S.

PROPOSED TYPE 1 CURB AND GUTTER
EXISTING TYPE 1 CURB AND GUTTER
PROPOSED MEDIAN CURB
EXISTING MEDIAN CURB
4530 EXISTING MAJOR CONTOUR
4530 PROPOSED MAJOR CONTOUR
4530 EXISTING MINOR CONTOUR
4530 PROPOSED MINOR CONTOUR
GRADE BREAK
(EX.) EXISTING
2.00% SLOPE IN PERCENT
50.00 FG ELEVATION @ FINISH GRADE
50.00 TC ELEVATION @ TOP OF CURB
50.00 GB ELEVATION @ GRADE BREAK
50.00 FL ELEVATION @ FLOW LINE
CATCH POINT
STORM DRAIN MANHOLE (DASHED IF EXISTING)
CATCH BASIN
PROPERTY LINE
LIGHT STANDARD
HEADWALL
FLARED END SECTION
UTILITY POLE
ELBOW, TEE, CROSS

STREET SIGN
PIPE BOLLARD
BARBED WIRE FENCE
CHAIN LINK FENCE
ASPHALT CONCRETE PAVEMENT
CONCRETE
AIR RELEASE VALVE ASSEMBLY
PROPOSED DRAINAGE SWALE
EXISTING DRAINAGE SWALE
RW RECLAIMED WATER MAIN (DASHED IF EXISTING)
FIRE FIRE WATER MAIN (DASHED IF EXISTING)
W WATER MAIN (DASHED IF EXISTING)
SANITARY SEWER LATERAL
GAS GAS MAIN (DASHED IF EXISTING)
SPPC ELEC CONDUIT
THRUST BLOCK
CLEANOUT (DASHED IF EXISTING)
FIRE HYDRANT
WATER VALVE
STORM DRAIN MAIN (DASHED IF EXISTING)
SANITARY SEWER MAIN (DASHED IF EXISTING)
SINGLE WATER SERVICE (METER & BACKFLOW PREVENTER)
S SANITARY SEWER MANHOLE (DASHED IF EXISTING)

2 LEGEND
SCALE: N.T.S.

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DESIGNED: C.B.H.
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STATE OF MARYLAND · MATTHEW RASMUSSEN · 21148 · PROFESSIONAL ENGINEER

11-4-21
EXP 8-17-23

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14703 Indian Springs Rd, Hancock, MD 21750
Outdoor Contractors Inc
#: 21148

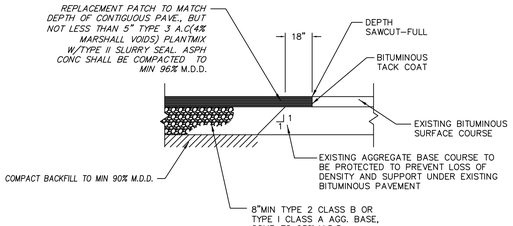
SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE:
GENERAL NOTES
ABBREVIATIONS
LEGEND

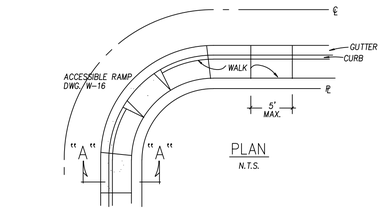
SHEET:
C6.1

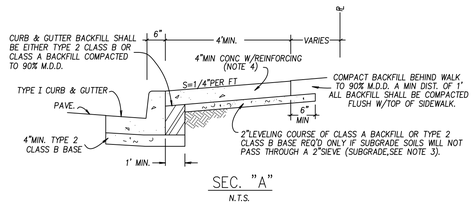
AS SHOWN DOLLAR GENERAL FREEDOM, PA 20124_C61



1 SAWCUT DETAIL

SCALE: N.T.S.



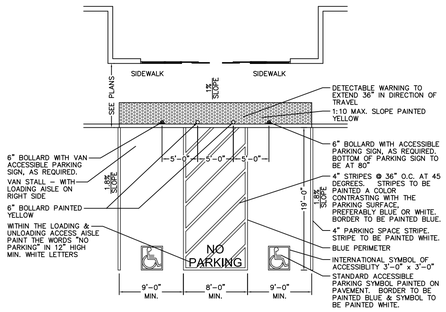


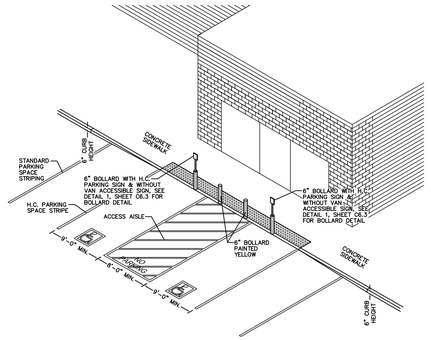
NOTES

1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 psi MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% = 1.5% SLUMP AT 1 TO 4 INCHES. OR APPROVED EQUAL.
2. *SEE ROADWAY SECTIONS FOR SIDEWALK WIDTHS.*
3. *SIDEWALK SUBGRADE SHALL BE COMPACTED TO 90% M.D.D. IF EXPANSIVE OR UNSTABLE SOILS ARE ENCOUNTERED AT SIDEWALK SUBGRADE ELEV., THE SOILS SHALL BE OVEREXCAVATED TO CONFORM WITH THE SOILS REPORT OR REQUIREMENTS OF THE COUNTY.*
4. *REINFORCING SHALL CONSIST OF COLLATED, FIBRILLATED, POLYPROPYLENE FIBER AS MFD. BY FIBERMESH OR APPROVED EQUAL. ADD 1-1/2 LBS. PER CU.YD. OF CONCRETE.*
5. *INSTALL EXPANSION JOINTS AT BEGINNINGS & ENDS OF CURVES & EVERY 200' ON TANGENT.*

2 SIDEWALK DETAIL

SCALE: N.T.S.





3 ACCESSIBLE RAMP & STALL DETAIL

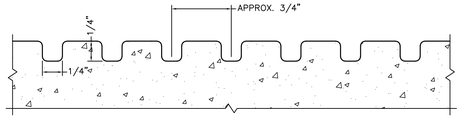
SCALE: N.T.S.

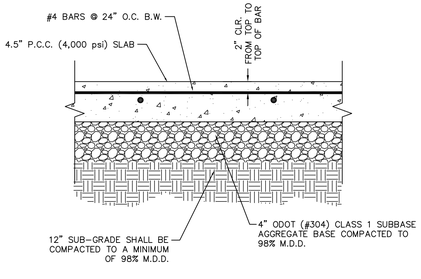
STRIPING LEGEND	
YELLOW CURBING AND BOLLARDS - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY AND METAL SURFACES FREE OF HEAVY RUST, 2 COATS SHERWIN WILLIAMS - KEM 4000 ACRYLIC ALKYD ENAMEL SAFETY YELLOW B55Y300
STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PROMAR TRAFFIC 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.

4A STRIPING DETAIL

SCALE: N.T.S.

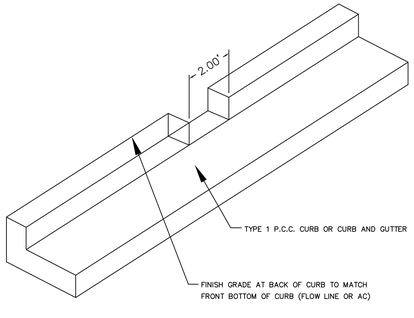




NOTE:
SAW JOINTS @ 12.5' O.C. MAX (EQUAL SPACE) AND DOWEL JOINTS EVERY OTHER JOINT AS PER DETAIL 1 & 1A SHEET C6.3.

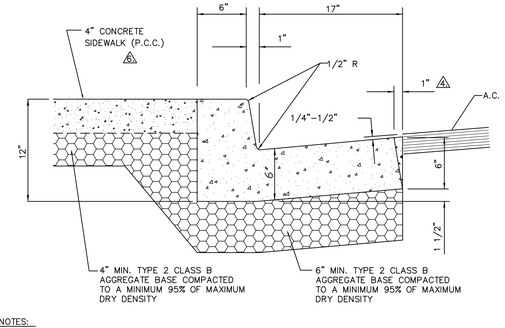
4 GROOVING DETAIL

SCALE: N.T.S.



5 CURB OPENING DETAIL

SCALE: N.T.S.

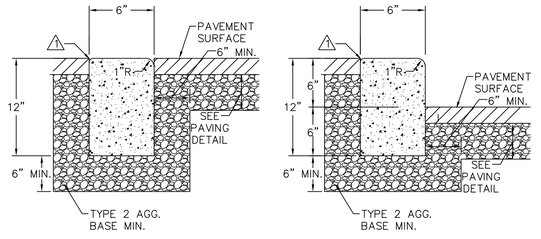


NOTES:

1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 psi MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% = 1.5% SLUMP AT 1 TO 4 INCHES. OR APPROVED EQUAL.
2. EXPANSION JOINTS 1/2-INCH WIDE SHALL BE LOCATED IN CURBS AND GUTTERS AT EACH SIDE OF STRUCTURES, AT THE ENDS OF ALL CURB RETURNS, AND ABUTTING HARDENED IN-PLACE CURB AND GUTTER, EXCEPT THAT EXPANSION JOINTS SHALL NOT BE INSTALLED WITHIN 20 FEET OF AN ISLAND NOSE. EXPANSION JOINTS SHALL BE 1/2-INCH THICK, SHAPED TO THE CROSS SECTION OF THE CURB AND GUTTER, AND CONSTRUCTED AT RIGHT ANGLES TO THE CURB AND GUTTER WITH JOINT FILLER MATERIAL WEAKENED PLANE JOINTS SHALL BE EVERY 10 FEET AND LOCATED ON THE BACK, TOP AND FACE OF THE CURB AND THE TOP OF THE GUTTER *PAN.*
3. CURB & GUTTER SECTIONS SHALL BE PLACED SEPARATELY FROM SIDEWALK SECTIONS.
4. "BATTERED" CONSTRUCTION ALLOWED FOR NEW CONSTRUCTION, WHILE "VERTICAL" CONSTRUCTION PERMITTED FOR RECONSTRUCTION.
5. WHERE ALTERNATE STANDARDS OF CURB AND GUTTER EXIST, AND THE REPLACEMENT CURB AND GUTTER IS GREATER THAN 20 CONTINUOUS FEET IN LENGTH, TYPE 1 CURB AND GUTTER SHALL BE INSTALLED WITH THE APPROPRIATE TRANSITIONS TO MATCH INTO THE EXISTING CURB AND GUTTER, IF DIRECTED BY THE CITY ENGINEER.
6. WHEN SIDEWALK IS NOT REQUIRED, BACKFILL BEHIND THE CURB TO THE TOP FOR A HORIZONTAL DISTANCE OF 12" FROM BACK FACE OF CURB, WITH A MATCH TO EXISTING GRADE OF NOT EXCEEDING A 3:1 SLOPE.

6 TYPE I P.C.C. CURB & GUTTER DETAIL

SCALE: N.T.S.



NOTES:

1. RADIUS TO BE 1/2 INCH, OMIT ROUNDING IF CURBS ARE BACK TO BACK.
2. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 psi MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% = 1.5% SLUMP AT 1 TO 4 INCHES. OR APPROVED EQUAL.

7 TYPE I P.C.C. MEDIAN CURB DETAIL

SCALE: N.T.S.

8 CONCRETE APRON DETAIL

SCALE: N.T.S.

AS SHOWN DOLLAR GENERAL FREEDOM, PA 20124_C62

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DESIGNER:
DRAWN: C.B.H.
DESIGNED: C.B.H.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP:
STATE OF MARYLAND — MATTHEW RASMUSSEN — 58122 — PROFESSIONAL ENGINEER
11-4-21
EXP 8-17-23

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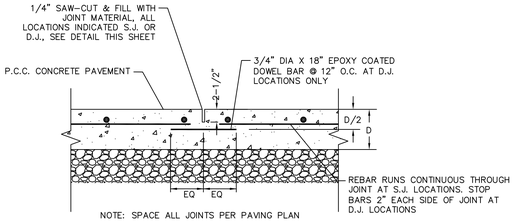
PROJECT/CLIENT:
Dollar General
437 North 3rd Street, Oakland, Maryland
Outdoor Contractors Inc
14703 Indian Springs Rd, Hancock, MD 21750
#: 21148

SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE: DETAIL SHEET

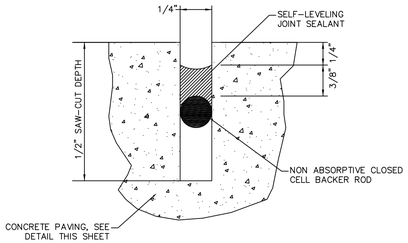
SHEET: C6.2



NOTE: SPACE ALL JOINTS PER PAVING PLAN

1A TRANSVERSE / LONGITUDINAL WEAKENED PLANE JOINT

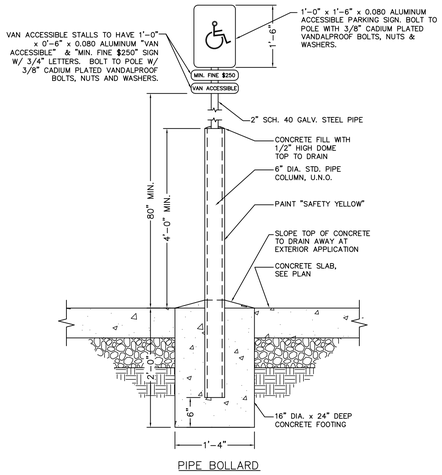
SCALE: N.T.S.



NOTE: ALL MEASUREMENTS ±1/16" TOLERANCE

1 WEAKENED PLANE JOINT SINGLE SAWCUT

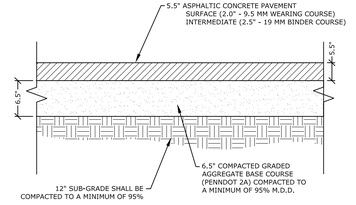
SCALE: N.T.S.



PIPE BOLLARD

2 ACCESSIBLE PARKING STALL SIGNAGE / BOLLARD

SCALE: N.T.S.

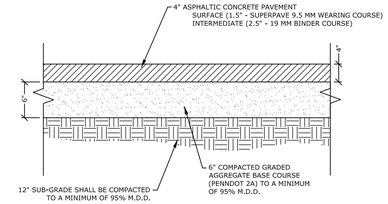


NOTES:

1. ASPHALT PAVING CONSISTS OF A 2.0 INCH SUPERPAVE 9.5 MM ASPHALT WEARING COURSE OVER A 2.5 INCH 19 MM BINDER COURSE OR AS SPECIFIED IN THE GEOTECHNICAL INVESTIGATION.

3 HEAVY AC PAVING SECTION

SCALE: N.T.S.

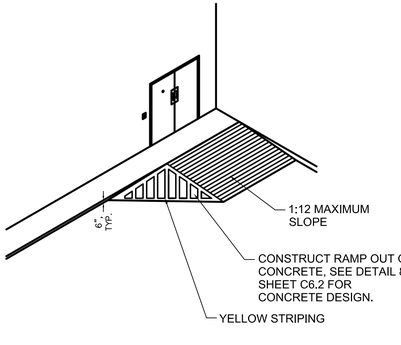


NOTES:

1. ASPHALT PAVING CONSISTS OF A 1.5 INCH SUPERPAVE 9.5 MM ASPHALT WEARING COURSE OVER A 2.5 INCH 19 MM BINDER COURSE OR AS SPECIFIED IN THE GEOTECHNICAL INVESTIGATION.

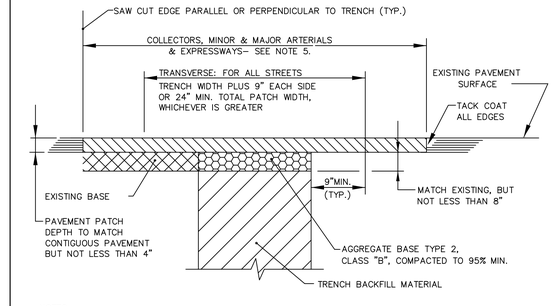
4 LIGHT AC PAVING SECTION

SCALE: N.T.S.



5 DELIVERY RAMP DETAIL

SCALE: N.T.S.

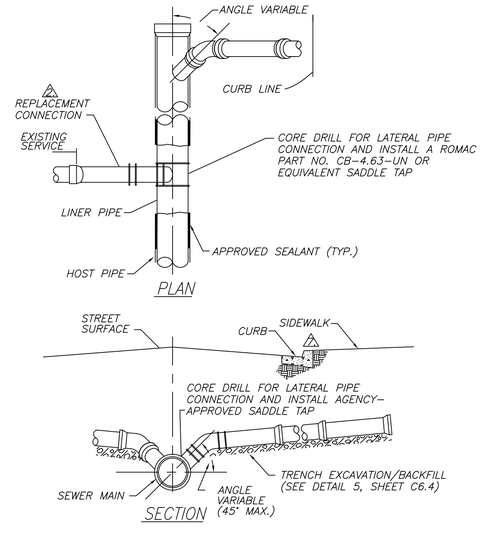


NOTES:

1. A PERMIT MUST BE OBTAINED FROM THE COUNTY ENGINEER PRIOR TO CUTTING ANY PUBLIC RIGHT-OF-WAY. 24 HOURS PRIOR TO TRENCH EXCAVATION, THE PERMITTEE MUST NOTIFY THE COUNTY EXCAVATION PERMIT INSPECTOR OR APPLICABLE ENGINEER OF RECORD.
2. ALL PERMANENT PATCH WORK SHALL BE THE RESPONSIBILITY OF THE JURISDICTION UNLESS OTHERWISE AUTHORIZED BY THE COUNTY.
3. IF SAW CUT IS WITHIN 2 FEET OF AN EXISTING PAVEMENT EDGE OR EXISTING PAVEMENT PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
4. ALL A.C. REPLACEMENT REQUIREMENTS ARE MINIMUM WIDTHS ONLY. THE COUNTY ENGINEER MAY REQUIRE WIDER PATCH SECTIONS OR OTHERWISE ALTER THESE REQUIREMENTS.
5. LONGITUDINAL TRENCH PATCH WIDTH: FOR COLLECTORS, MINOR AND MAJOR ARTERIALS AND EXPRESSWAYS: IF SAW CUT EDGES FOR LONGITUDINAL OR TRANSVERSE EXCAVATIONS FALL WITHIN A TRAVEL LANE, SAW CUT SHALL BE EXTENDED TO, AND REMOVAL MADE TO EDGE OF THE TRAVEL LANE, OR THE FULL DEPTH PATCH SHALL BE MADE PER THE SPECIFICATIONS FOR TRANSVERSE PATCHES AND THE ENTIRE TRAVEL LANE ROTOMILLED TO A DEPTH OF TWO INCHES AND OVERLAYED WITH TWO INCHES OF BITUMINOUS PLANTMIX AS DIRECTED BY THE ENGINEER.
6. EDGE OF 4" ROCK WHEEL TRENCHES FOR CONDUIT SHALL BE LOCATED A MINIMUM OF 9" FROM GUTTER LIP AND SHALL BE PATCHED AS PER THE ABOVE DETAIL.
7. AGGREGATE BASE AND BITUMINOUS PAVEMENT SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST REVISION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF LOOP DETECTORS, ADJUSTMENT OF UTILITIES AND SURVEY MONUMENTS TO GRADE AND INSTALLATION OF TEMPORARY PAVEMENT MARKERS.
9. FOR P.C.C. CURB REPLACEMENT, SAW CUT EXISTING PAVEMENT 18 INCHES MIN. FROM GUTTER LIP LINE, REMOVE AND REPLACE PAVEMENT TO SAW CUT EDGES. CONCRETE MAY BE POURED NEAT AGAINST EXISTING EDGE OF ASPHALT IF APPROVED BY COUNTY ENGINEER.

6 BITUMINOUS PAVEMENT PATCH

SCALE: N.T.S.

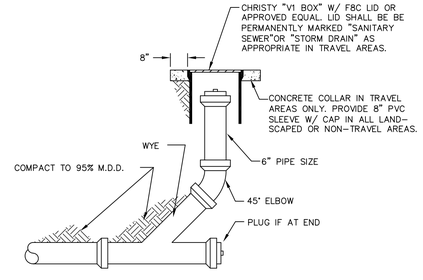


△NOTES:

1. SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 2%, UNLESS APPROVED OTHERWISE BY THE COUNTY ENGINEER.
2. LATERAL SHALL BE CUT BACK TO SOUND MATERIAL FOR COUPLING.
3. ALL CONNECTIONS TO THE COUNTY SEWER MAINS MUST BE CORE DRILLED.
4. ENCASE LATERAL CONNECTION IN CEMENT, STABILIZED SAND OR 2000 PSI CONCRETE FOLLOWING INSTALLATION. CONNECTION MUST BE INSPECTED BY COUNTY PRIOR TO BACKFILL.
5. NO LATERAL CONNECTIONS SHALL BE MADE TO SANITARY SEWER "INTERCEPTOR" LINES WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
6. ALL APPLICABLE SANITARY SEWER PIPE INSTALLATION WORK SHALL BE IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
7. THE LOCATION OF EACH LATERAL SHALL BE PERMANENTLY IDENTIFIED BY STAMPING AN "S" IN THE TOP OF THE CURB AT THE LOCATION WHERE THE LATERAL CROSSES THE CURB LINE.

7 SANITARY SEWER LATERAL

SCALE: N.T.S.



8 SANITARY SEWER CLEANOUT

SCALE: N.T.S.

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DRAWN: C.B.H.
DESIGNED: C.B.H.
CHECKED/STAMPED: MATT K. RASMUSSEN, P.E.

STAMP: STATE OF MARYLAND · MATTHEW RASMUSSEN · 88122 · PROFESSIONAL ENGINEER

11-4-21
EXP 8-17-23

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Dollar General
437 North 3rd Street, Oakland, Maryland
Outdoor Contractors Inc
14703 Indian Springs Rd, Hancock, MD 21750

: 21148

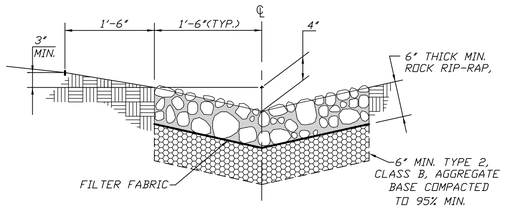
SUBMITTAL RECORD:

DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE: DETAIL SHEET

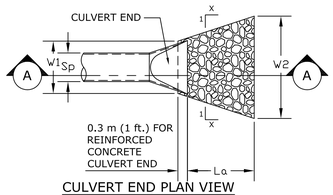
SHEET: C6.3

AS SHOWN DOLLAR GENERAL FREEDOM, PA 20124_C63

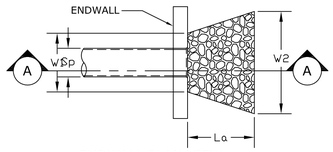


1 RIP RAP SWALE DETAIL

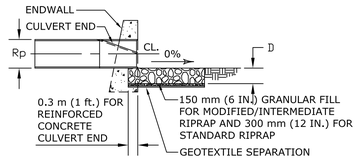
SCALE: N.T.S.



CULVERT END PLAN VIEW



ENDWALL PLAN VIEW



A CULVERT END AND ENDWALL

LEGEND

Sp = MAX. INSIDE PIPE SPAN (NON-CIRCULAR SECTIONS)
INSIDE PIPE DIAMETER (CIRCULAR SECTIONS)

Rp = MAX. INSIDE PIPE RISE (NON-CIRCULAR SECTIONS)
INSIDE PIPE DIAMETER (CIRCULAR SECTIONS)

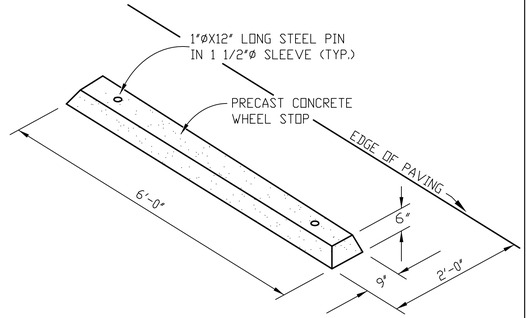
La = LENGTH OF RIPRAP APRON MEASURED FROM THE END OF CULVERT END SECTION OR FACE OF ENDWALL

d = 300 mm (12 IN.) MODIFIED RIPRAP
450 mm (18 IN.) INTERMEDIATE RIPRAP
900 mm (36 IN.) STANDARD RIPRAP

	X	W1	W2
TYPE A RIPRAP APRON	3	3Sp	3Sp + 0.7 La
TYPE A RIPRAP APRON	5	3Sp	3Sp + 0.4 La

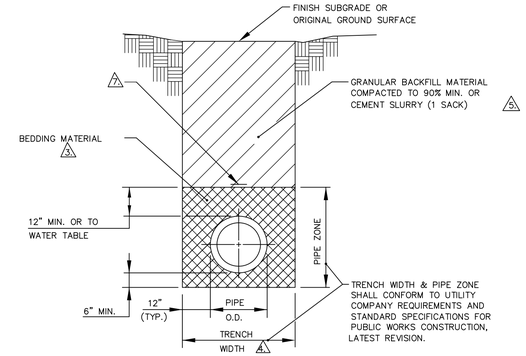
2 TYPE A RIP RAP APRON

SCALE: N.T.S.



3 WHEEL STOP

SCALE: N.T.S.



NOTES:

1. A PERMIT MUST BE OBTAINED FROM THE COUNTY ENGINEER PRIOR TO CUTTING ANY PUBLIC RIGHT-OF-WAY. 24 HOURS PRIOR TO TRENCH EXCAVATION, THE PERMITTEE MUST NOTIFY THE COUNTY EXCAVATION PERMIT INSPECTOR OR APPLICABLE ENGINEER OF RECORD.

2. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST REVISION.

3. BEDDING MATERIAL SHALL CONFORM TO OWNING-UTILITY COMPANY REQUIREMENTS AS APPROVED BY WAYNE COUNTY. FOR COUNTY-OWNED UTILITIES, BEDDING MATERIAL SHALL BE CLASS "A", "B", OR "C", COMPACTED TO 90% MINIMUM. FOR TRAFFIC/ELECTRICAL CONDUIT TRENCHES LESS THAN 12" IN WIDTH, INCLUDING VERMIER TRENCHES, BEDDING SHALL BE CLASS "A" MATERIAL. BACKFILL SHALL BE CEMENT SLURRY (ONE SACK). CEMENT SLURRY BEDDING/BACKFILL MAY BE USED AS AN ALTERNATE TO CLASS "A", "B" OR "C" MATERIAL WITH WRITTEN APPROVAL FROM THE COUNTY ENGINEER FOR EACH SPECIFIC APPLICATION.

4. ALL EXCAVATIONS SHALL CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS. SHORING OR SLOPED CUT MAY BE NECESSARY, BUT THERE WILL BE NO PAYMENT FOR ADDITIONAL EXCAVATION, BEDDING, BACKFILL, OR SHORING.

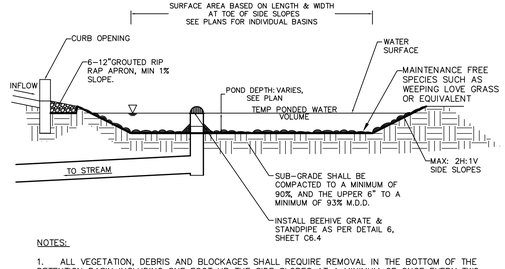
5. NOT USED

6. EDGE OF 4" ROCK WHEEL TRENCHES FOR CONDUIT SHALL BE LOCATED A MINIMUM OF 9" FROM GUTTER LIP.

7. PIPE TAPE IDENTIFICATION OF UTILITY SHALL BE INSTALLED.

4 TRENCH EXCAVATION & BACKFILL

SCALE: N.T.S.



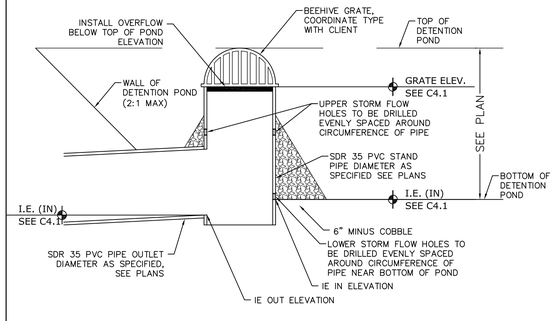
NOTES:

1. ALL VEGETATION, DEBRIS AND BLOCKAGES SHALL REQUIRE REMOVAL IN THE BOTTOM OF THE DETENTION BASIN INCLUDING ONE FOOT UP THE SIDE SLOPES AT A MINIMUM OF ONCE EVERY TWO YEARS WHICH SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER (DETENTION BASIN SHALL BE PRIVATE).

2. ANY SLOPE OVER 3:1 SHALL BE 6" – 12" ROCK RIP RAP OVER FILTER FABRIC & ANY SLOPE UNDER 4:1 SHALL BE 4" MINUS COBBLE OR ROCK RIP RAP.

5 LANDSCAPE DETENTION BASIN

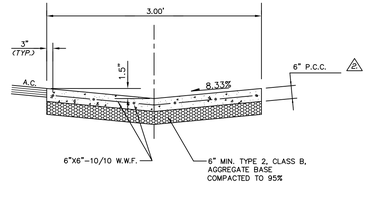
SCALE: N.T.S.



OUTLET BASIN	ROW	HEIGHT (FT) @ ℄	# ORIFICES	ORIFICE SIZE (IN)	STANDPIPE DIAMETER (IN)
1	LOWER	0.00	1	3.00	24
	UPPER	0.50	–	–	

6 DETENTION POND OUTLET DETAIL

SCALE: N.T.S.



NOTES:

1. THIS GUTTER DESIGN IS NOT FOR USE ON CITY STREETS, FOR PRIVATE USE ONLY.

2. FOR CONCRETE MIX DESIGN SEE DETAIL 4 ON SHEET S5.1 OF THE STRUCTURAL IMPROVEMENT PLANS.

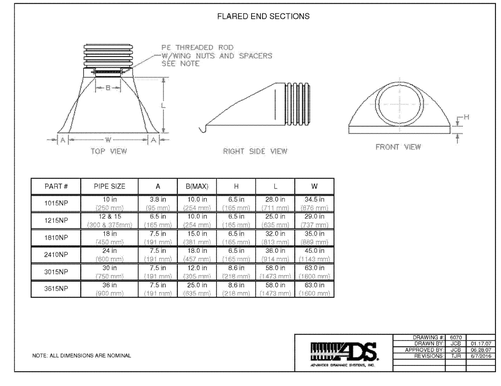
3. LONGITUDINAL VALLEY GUTTER SHALL HAVE EXPANSION JOINTS EVERY 30 FEET AND WEAKENED PLANE JOINTS EVERY 10 FEET.

4. FOR INDUSTRIAL AREAS, AN ENGINEERED DESIGN IS REQUIRED.

5. AGGREGATE BASE SHALL BE ENGINEERED TYPE 2, CLASS B, COMPACTED TO A MINIMUM OF 95%

7 VALLEY GUTTER DETAIL

SCALE: N.T.S.



PART #	PIPE SIZE	A	B(MAX)	H	L	W
1015NP	10 in (250 mm)	3.8 in (95 mm)	10.0 in (254 mm)	6.5 in (165 mm)	28.0 in (711 mm)	34.5 in (876 mm)
1215NP	12 & 15 (300 & 375mm)	8.5 in (165 mm)	10.0 in (254 mm)	6.5 in (165 mm)	25.0 in (635 mm)	29.0 in (737 mm)
1810NP	18 in (450 mm)	7.5 in (191 mm)	15.0 in (381 mm)	6.5 in (165 mm)	32.0 in (813 mm)	35.0 in (889 mm)
2410NP	24 in (600 mm)	7.5 in (191 mm)	18.0 in (457 mm)	6.5 in (165 mm)	38.0 in (914 mm)	45.0 in (1143 mm)
3015NP	30 in (750 mm)	7.5 in (191 mm)	12.0 in (305 mm)	8.6 in (218 mm)	58.0 in (1473 mm)	63.0 in (1600 mm)
3615NP	36 in (900 mm)	7.5 in (191 mm)	25.0 in (635 mm)	8.6 in (218 mm)	58.0 in (1473 mm)	63.0 in (1600 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL

ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #	6009	
DRAWN BY	JOE	R1 17.07
APPROVED BY	JOE	06.08.07
REVISIONS	LAS	01/2015

8 FLARED END SECTION DETAIL

SCALE: N.T.S.

AS SHOWN DOLLAR GENERAL FREEDOM, PA 20124_C64

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Outdoor Contractors Inc
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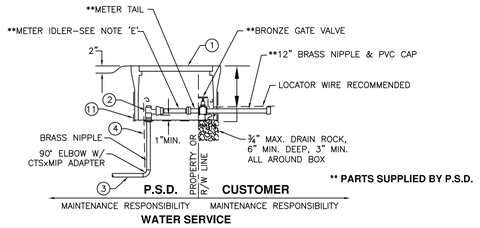
#: 21148

SUBMITTAL RECORD:

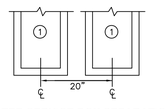
DATE:	SUBMITTAL
10/19/21	80% REVIEW
11/4/21	PERMIT SET

SHEET TITLE:
DETAIL SHEET

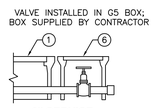
SHEET:
C6.4



WATER SERVICE



WATER SERVICE BOX SEPARATION

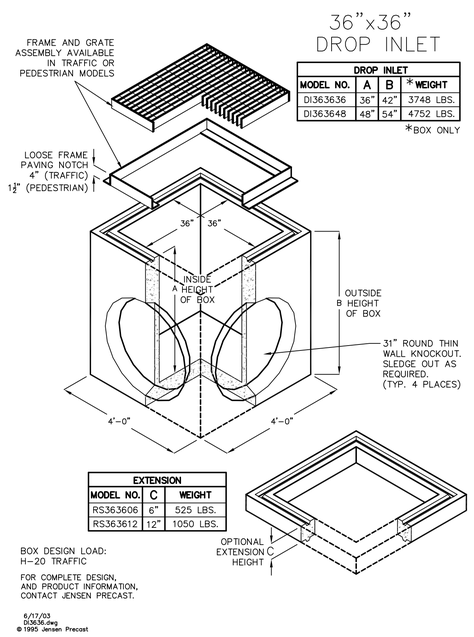


2" SERVICE

NOTES

A. SERVICES SHALL BE LOCATED OUT OF TRAVELED WAY (INCLUDING SHOULDERS) UNLESS APPROVED BY P.S.D.
B. SERVICES LOCATED WITHIN THE TRAVELED WAY SHALL HAVE A 6" WIDE BY 6" DEEP CONCRETE COLLAR.
C. ONE METER PER BOX ONLY.
D. FOR DOUBLE, TRIPLE, OR QUADRUPLE SERVICE, USE BRASS PIPE FOR MANIFOLD BELOW ANGLE STOPS, SAME SIZE AS SERVICE PIPE.
E. METERS WILL BE SET BY P.S.D. AFTER APPLICATION IS SIGNED AND FEES ARE PAID.
F. USE POLYETHYLENE SERVICE TUBING CONTINUOUS FROM MAIN TO ANGLE STOP OR GATE VALVE, 1"ø FOR SINGLE SERVICE, 1½"ø FOR DOUBLE SERVICE, AND 2"ø FOR TRIPLE & QUADRUPLE SERVICE.
G. SERVICE SADDLES SHALL BE 3 FT. MIN. FROM PIPE FITTINGS, JOINTS AND TAPS.
H. PER SECTION 64591 OF THE CALIFORNIA WATERWORKS STANDARDS, ALL ITEMS IN CONTACT WITH POTABLE WATER SHALL BE CERTIFIED AS MEETING THE SPECIFICATIONS OF NSF61–2005.
I. CONTRACTOR SHALL BE RESPONSIBLE TO PRESSURE TEST ALL PIPE, VALVES & FITTINGS UP TO THE ANGLE STOP.

ITEM	DESCRIPTION	REMARKS
1	¾" OR 1" METER: ARMORCAST–ROTOCAST BOX P6000492X18–1 W/ARMORCAST LID #A6000489T–CVTY 1½" OR 2" METER: ARMORCAST–ROTOCAST BOX P6001534TX18–1 W/ARMORCAST LID #A6000947T–CVTY	
2	LOCKABLE ANGLE STOP, ¾" OR 1" METERS: LOCKABLE ANGLE STOP, 1½" OR 2" METERS:	FORD KV13–444W FOR CL150; FORD BA13–444W–NL FOR CL200 FORD BFA13–666W–NL OR BFA13–777W–NL
3	POLYETHYLENE SERVICE TUBING, 200 PSI MIN.	CENTENNIAL CENFLOW, OR APPROVED EQUAL, SEE NOTE 'F'
4	#12 AWG INSULATED LOCATOR WIRE	SINGLE STRAND COPPER, UF LISTED, SEE DWG. #102
5	SERVICE SADDLE	FORD FS202 STAINLESS STEEL BAND
6	TRAFFIC VALVE BOX MARKED "WATER"	CHRISTY G5 BOX W/G5C LID OR APPROVED EQUAL
7	2" RESILIENT WEDGE GATE VALVE, EPOXY COATED	AMERICAN AVK OR APPROVED EQUAL (2" SERVICE)
8	2" MIP x CTS ADAPTER (BRASS)	MULTIPLE SERVICES ONLY
9	CORPORATION STOP (MALExMALE)	1" SERVICE: FORD F500–4/C14–44 FOR CL150 1" SERVICE: FORD FB500–4/C14–44 FOR CL200 1.5" SERVICE: FORD FB500–6–NL/C14–66–NL
10	FEMALExCTS PACK JOINT COUPLING	
11	¼" HARDWARE CLOTH (GALV.)	MUST COVER ALL ACCESS HOLES.



DROP INLET			
MODEL NO.	A	B	*WEIGHT
DI363636	36"	42"	3748 LBS.
DI363648	48"	54"	4752 LBS.

*BOX ONLY

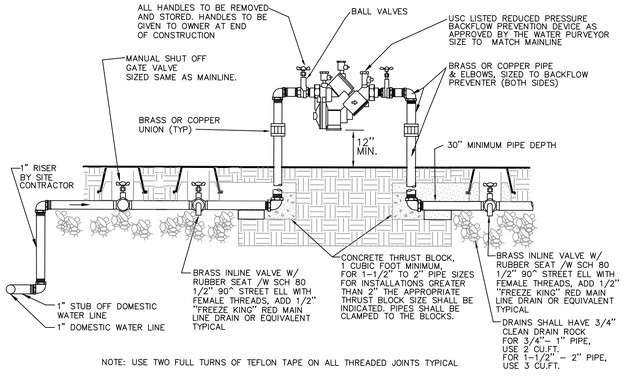
EXTENSION		
MODEL NO.	C	WEIGHT
RS363606	6"	525 LBS.
RS363612	12"	1050 LBS.

1 NOT USED
SCALE: N.T.S.

2 WATER METER DETAIL
SCALE: N.T.S.

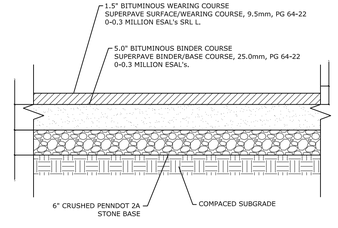
3 TYPE 4R CATCH BASIN
SCALE: N.T.S.

4 NOT USED
SCALE: N.T.S.



NOTE: USE TWO FULL TURNS OF TEFLON TAPE ON ALL THREADED JOINTS TYPICAL

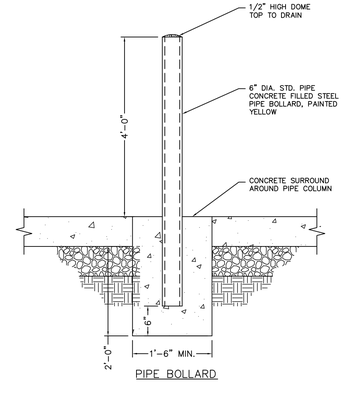
5 IRRIGATION BACKFLOW PREVENTER
SCALE: N.T.S.



NOTES:

1. PROPOSED SHOULDER AC SECTION TO MATCH EXISTING PAVEMENT STRUCTURE WITHIN THE LEGAL ROW.
2. ALL LONGITUDINAL JOINTS WILL BE SEALED WITH PG 64-22.
3. BITUMINOUS TACK COAT TO BE APPLIED BETWEEN EACH PAVEMENT LAYER.

6 PENNDOT ROW PAVEMENT AC PAVING SECTION
SCALE: N.T.S.



PIPE BOLLARD

7 6" PERMANENT PIPE BOLLARD
SCALE: N.T.S.

AS SHOWN DOLLAR GENERAL FREEDOM, PA 20124_C65

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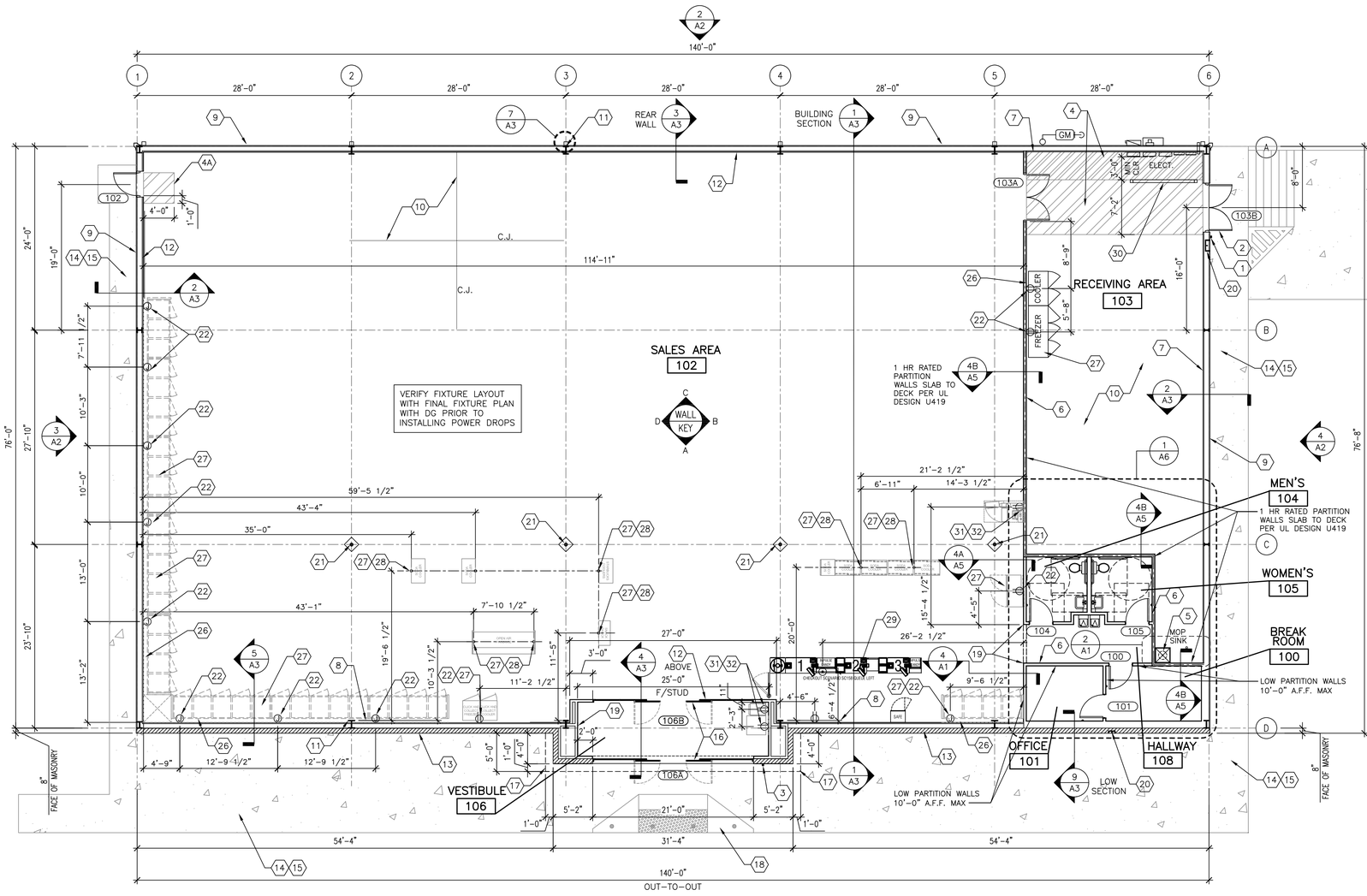
SHEET TITLE: DETAIL SHEET

SHEET: C6.5



FLOOR PLAN KEYED NOTES

1. RECEIVING DOOR BUZZER
2. 2" DOOR SCOPE.
3. PROVIDE & INSTALL KNOX BOX PER THE DIRECTION OF THE LOCAL FIRE MARSHAL.
4. STRIPE FLOOR FOR DESIGNATED CLEAR ACCESSIBLE PATH (PAINT YELLOW) AND DESIGNATED EMS PANEL CLEARANCE (PAINT RED).
4A. STRIPE FLOOR FOR DESIGNATED CLEAR ACCESSIBLE PATH (PAINT YELLOW.)
5. PROVIDE AND INSTALL A TEN GALLON WATER HEATER (OR LARGER IF REQUIRED BY CODE) ABOVE THE MOP SINK.
6. METAL STUD WITH 1/2" GYP. BD. SEE WALL SECTIONS AND WALL DETAILS & INTERIOR ELEVATIONS.
7. METAL LINER PANELS TO 8'-0" A.F.F. (BY PRE-ENGINEERED BUILDING MANUFACTURER).
8. DIMENSIONS ARE TO COLUMN LINE UNLESS OTHERWISE NOTED.
9. METAL BUILDING PANELS (BY PRE-ENGINEERED BUILDING MANUFACTURER)
10. CONCRETE SLAB WITH STRUCTURAL MINIMUM 6x6xW1.4 WELDED WIRE MESH OVER POLYETHYLENE VAPOR BARRIER (MIN. 10 MM THICK) OVER CRUSHED STONE BASE, TYPICAL, OR EQUAL. PROVIDE CONTROL JOINTS AT 14'-0" ON CENTER EACH WAY MAX. SEE SHT GS3 & GS2 AND STRUCTURAL DRAWINGS.
11. METAL BUILDING FRAME. REFER TO DETAIL 2/A3 FOR ADDITIONAL INFORMATION.
12. METAL LINER PANELS (28/29 GAUGE) WITH 1/2" GYPSUM BOARD. SEE INTERIOR ELEVATIONS ON SHEET A4. PROVIDE R-13 METAL BUILDING INSULATION.
13. 8" SPLIT FACED CMU PAINTED SW #7037 BALANCED BEIGE. ALIGN FACE OF BLOCK WITH STEEL GIRT. PROVIDE PROPER ANCHORAGE TO STRUCTURE. .
14. SLOPE CONCRETE 1/8" PER FOOT AWAY FROM BUILDING.
15. COORDINATE CONCRETE SIDEWALK WITH CIVIL AND BROOM FINISH TYP.
16. BRONZE STOREFRONT SYSTEM. REFER TO SHEETS A4 AND A5 FOR ADDITIONAL INFORMATION. CONTINUE METAL LINER PANELS TO DECK.
17. LINE OF SOFFIT OR CANOPY ABOVE.
18. FLUSH CONCRETE & ASPHALT AT ENTRANCE AREA WITH PIPE BOLLARDS. NO VERTICAL CURB. REFER TO CIVIL.
19. MC CUE CART AND BUMPER GUARDS 3'-5" A.F.F., ORDER TRIMKIT FOR THIS PROTOTYPE.
20. WALL HYDRANT. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
21. ROUND STEEL PIPE COLUMN WITH RECESSED BASE PLATE-PAINT SECOND CONCRETE POUR SW6991 BLACK MAGIC. PAINT STEEL COLUMN SW7005 PURE WHITE. WRAP COLUMN WITH TIGHT LOOP CARPET (BLACK) 48" HIGH AT BASE.
22. WALL OUTLETS OR J-BOXES BANKS OF COOLERS AND FREEZERS. SEE ELECTRICAL FOR DETAILS. POWER TO BE 11" FROM RIGHT SIDE OF UNITS AS YOU FACE UNITS FROM THE SALES AREA.
23. NOT USED.
24. NOT USED.
25. NOT USED.
26. MAINTAIN 2" AIR GAP BETWEEN THE REACH IN COOLER / FREEZER AND THE WALL FOR VENTILATION.
27. REFRIGERATION BY DOLLAR GENERAL.
28. FREESTANDING COOLER/FREEZER (INCLUDING PRODUCE COOLER AND DISPLAY LIGHTING TO BE HARDWIRED THROUGH SO CORD WITH DUPLEX AT END. GC TO LEAVE BOTTOM OF CORD HANGING AT 80" A.F.F. (SEE ELECTRICAL). SO CORD ANCHORED TO PURLINS ABOVE. COORDINATE LOCATION WITH FINAL DOLLAR GENERAL FIXTURE PLAN.
29. POWER POLE. COORDINATE FINAL LOCATION WITH FINAL DOLLAR GENERAL FIXTURE PLAN (F1).
30. MC CUE RAILING IN FRONT OF ELECTRICAL PANEL. 8'-0" LONG WITH TWO TOP RAILINGS WITH NO MIDDLE POST.
31. NON-REFRIGERATION EQUIPMENT (REGISTERS, HIGI KIOSK, ATM, KEYME) BY DOLLAR GENERAL.
32. REFRIGERATION AND NON-REFRIGERATION EQUIPMENT ON WALLS TO BE POWERED THROUGH OUTLETS - SEE ELECTRICAL. CCORDINATE LOCATION WITH FINAL DOLLAR GENERAL FIXTURE PLAN.

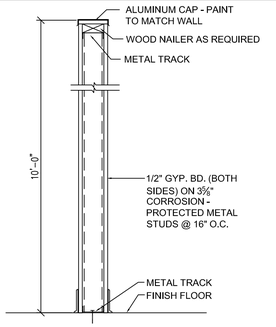
NOTE:
METAL BUILDING COLUMNS SHALL BE STRAIGHT.

NOTE:
THE ALLOWABLE CLEAR DISTANCE BEHIND THE SALES FLOOR FIXTURES IS 1-½" MAXIMUM TO THE FACE OF DRYWALL. IF IT IS LARGER THAN THIS, PROVIDE HORIZONTAL WOOD FURRING STRIPS, PAINTED WALL COLOR, MOUNTED ON THE DRYWALL AT 78" AFF TO THE TOP OF THE STRIP TO REDUCE THE GAP TO LESS THAN 1-½".

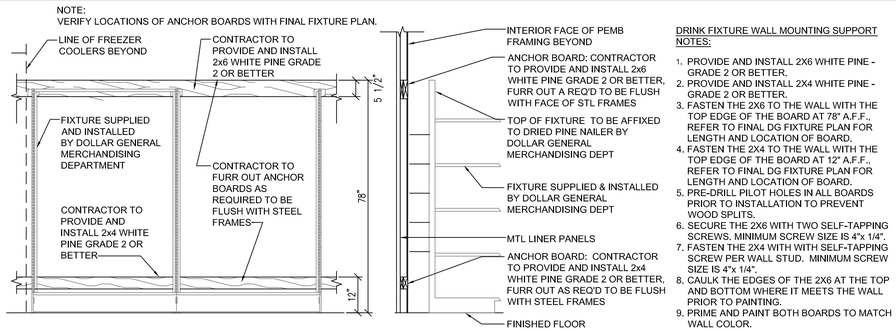
CONSTRUCTION PLAN SYMBOLS

DOOR INSTALLATION. SEE DOOR SCHEDULE ON SHEET A4 FOR MORE INFORMATION.

1 A1 FLOOR PLAN
1/8" = 1'-0"



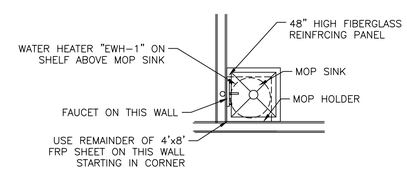
4 A1 LOW WALL SECTION
1/2"=1'-0"



DRINK FIXTURE WALL MOUNTING SUPPORT NOTES:

1. PROVIDE AND INSTALL 2X6 WHITE PINE - GRADE 2 OR BETTER.
2. PROVIDE AND INSTALL 2X4 WHITE PINE - GRADE 2 OR BETTER.
3. FASTEN THE 2X6 TO THE WALL WITH THE TOP EDGE OF THE BOARD AT 78" A.F.F., REFER TO FINAL DG FIXTURE PLAN FOR LENGTH AND LOCATION OF BOARD.
4. FASTEN THE 2X4 TO THE WALL WITH THE TOP EDGE OF THE BOARD AT 12" A.F.F., REFER TO FINAL DG FIXTURE PLAN FOR LENGTH AND LOCATION OF BOARD.
5. PRE-DRILL PILOT HOLES IN ALL BOARDS PRIOR TO INSTALLATION TO PREVENT WOOD SPLITS.
6. SECURE THE 2X6 WITH TWO SELF-TAPPING SCREWS. MINIMUM SCREW SIZE IS 4"x 1/4".
7. FASTEN THE 2X4 WITH WITH SELF-TAPPING SCREW PER WALL STUD. MINIMUM SCREW SIZE IS 4"x 1/4".
8. CAULK THE EDGES OF THE 2X6 AT THE TOP AND BOTTOM WHERE IT MEETS THE WALL PRIOR TO PAINTING.
9. PRIME AND PAINT BOTH BOARDS TO MATCH WALL COLOR.

3 A1 ANCHOR BD DETAILS
1/2"=1'-0"



2 A1 ENLARGED PLAN AT MOP SINK
1/8" = 1'-0"

STORE PLANNING Inc
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Matthews, North Carolina 28105
Phone: 704-841-7288
Fax: 704-849-6997

ARCHITECT
14053
JAMES T. REESE III
12/16/21
STATE OF MARYLAND

'Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland
License Number 14053
Expiration Date 12/27/2022

#	DATE	REVISION

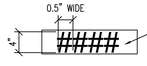
DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
FLOOR PLAN AND DETAILS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
A1



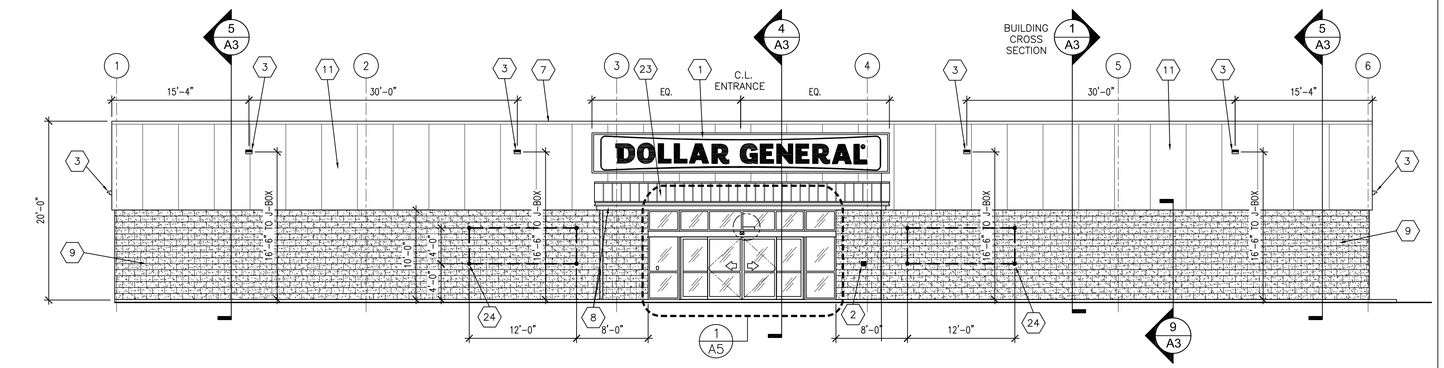
NOTE:
ADDRESS LETTERS MIN. 4" HIGH AND MIN. 0.5" WIDE. INSTALL ON CONTRASTING BACKGROUND PLAINLY VISIBLE FROM STREET. CONFIRM LOCAL ADDRESSING MINIMUM STANDARDS

5/A2 ADDRESS NUMBERS

NO SCALE

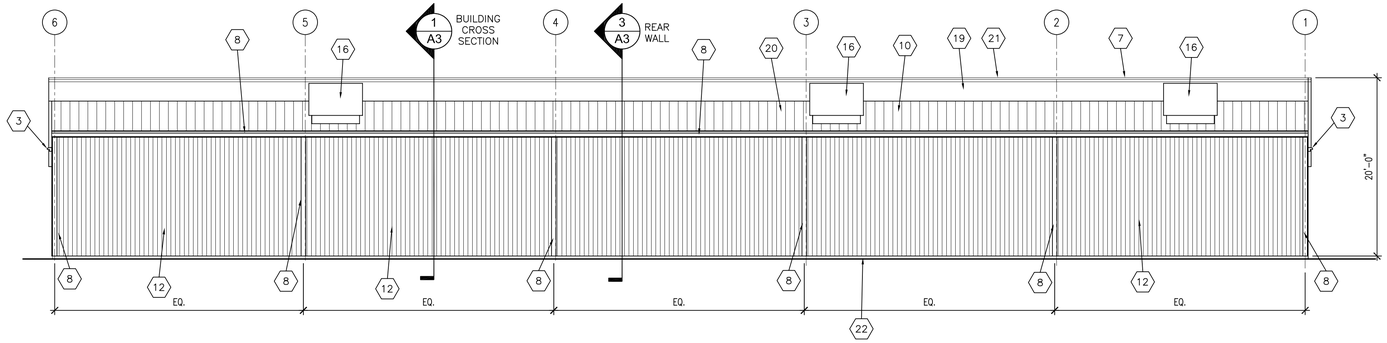
FINISHES

EXTERIOR FINISHES ARE TO MATCH OR BE EQUAL TO VP- METAL BUILDING SYSTEM'S FINISH SELECTION UNLESSS AUTHORITY HAVING JURISDICTION DOES NOT ALLOW.	PEMB VENDOR	VP BUILDINGS ATTN: RANDY SPEARS 205-907-8176					STAR BUILDING SYSTEMS ATTN: JEFF HORN 866-664-8899					NUCOR BUILDING SYSTEMS ATTN: BOB BARRY 315-622-4440					BIG BEE STEEL BUILDINGS 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			
		COOL EGYPTIAN	COOL DARK BRONZE	BRONZE	COOL COTTON	GALVALUME	LIGHT STONE	MEDIUM BRONZE KYNAR 500	BRONZE	POLAR WHITE	GALVALUME	LIGHT STONE	MEDIUM BRONZE KYNAR 500	BRONZE	POLAR WHITE	GALVALUME	SANDSTONE	BURNISHED SLATE	BRONZE	POLAR WHITE	GALVALUME	PARCHMENT	ANTIQUE BRONZE	BRONZE	POLAR WHITE	GALVALUME	SHERWIN WILLIAMS EXTRA BACKED BEIGE*	SHERWIN WILLIAMS VAN DYKE BROWN	BRONZE	WHITE BY PEMB 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 – LOXON XP MASONRY COATING A24W400 SERIES) TO MATCH THE METAL WALL PANEL.		•					•					•					•					•					•				
FLAT METAL SOFFIT AT STOREFRONT VESTIBULE.				•						•					•					•					•				•		
BUILDING FASCIA WALL, PARAPET OVER ENTRANCE, AND CANOPY			•					•					•					•					•					•				
STOREFRONT SYSTEM				•					•					•					•					•					•			
STANDING SEAM METAL ROOF PANELS					•					•					•					•					•					•		
INTERIOR SALES AND RECEIVING FLOOR LINER PANELS				•					•					•					•					•					•		



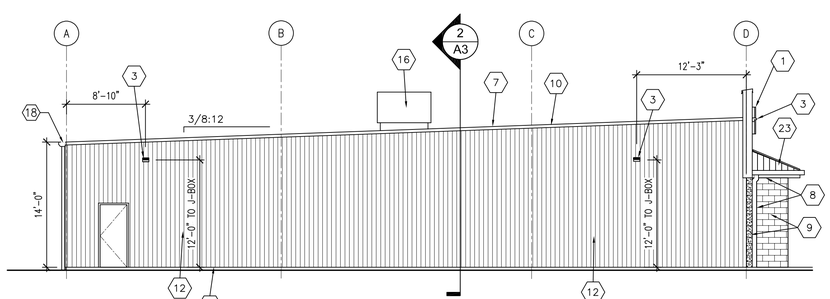
1/A2 FRONT ELEVATION

1/8" = 1'-0"



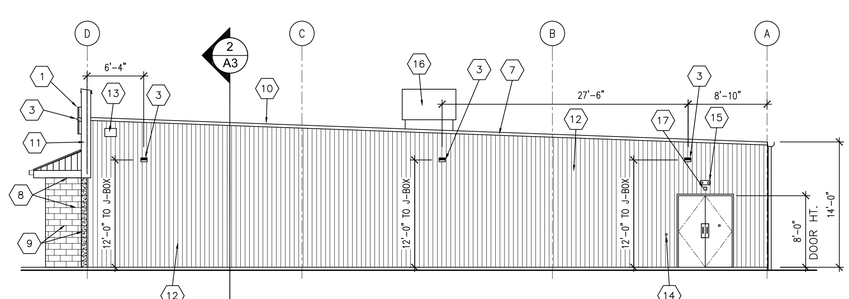
2/A2 REAR ELEVATION

1/8" = 1'-0"



3/A2 SIDE ELEVATION (EMG EXIT)

1/8" = 1'-0"



4/A2 SIDE ELEVATION (TRUCK SIDE)

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 CANOPY. CONTRACTOR IS TO PROVIDE ADEQUATE STRUCTURE TO SUPPORT SIGN. COORDINATE THE PROPER SIGNAGE TO BE USED WITH DOLLAR GENERAL.
2. KNOX BOX PER DIRECTION OF THE LOCAL FIRE MARSHAL.
3. WALL PACK LIGHT. REFER TO ELEC. FOR ADDITIONAL INFO.
4. NOT USED.
5. NOT USED
6. NOT USED.
7. PEMB METAL TRIM – SEE FINISH SCHEDULE FOR COLOR.
8. PEMB GUTTER AND DOWNSPOUT – SEE FINISH SCHEDULE FOR COLOR.
9. 8" SPLIT FACE CONCRETE MASONRY UNIT. PAINT AS SCHEDULED.
10. STANDING SEAM METAL ROOF.
11. PRE-FINISHED METAL WALL PANELS FOR FASCIA AND PARAPET OVER ENTRANCE, REVERSE RIB PROFILE.
12. PRE-FINISHED METAL WALL PANELS FOR SIDE AND REAR. PROVIDE TAMPER-RESISTANT FASTENERS FOR BOTTOM 8'-0".
13. VENT FOR BATHROOM EXHAUST. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
14. DOOR BUZZER. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
15. EXTERIOR EMERGENCY LIGHTS. SEE ELECTRICAL.
16. HVAC UNITS MOUNTED ON ROOF. REFER TO MECHANICAL FOR MORE INFORMATION.
17. OUTSIDE AIR TEMP. SENSOR MOUNTED OVER RECEIVING DOOR AT 9'-0" A.F.F.
18. MINIMUM EAVE HEIGHT IS 14'-0" A.F.F.
19. PARAPET BEYOND.
20. IN NORTHERN CLIMATES, PROVIDE SNOW GUARDS ON ROOF PER LOCAL CODE.
21. EXTEND PARAPET WALL UP AS NEEDED TO SCREEN ROOF MOUNTED EQUIPMENT IF REQUIRED BY LOCAL ORDINANCE.
22. FINISH GRADE TO BE A MINIMUM OF 6" BELOW FINISHED FLOOR LEVEL AT ALL NONPAVED AREAS.
23. RAISED RIBBED METAL CANOPY BY PRE-ENGINEERED METAL BUILDING MANUFACTURER.
24. 1/2" DIAMETER x 6" LONG 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.

NOTE TO CONTRACTOR:
DO NOT INSTALL TYPICAL TEMPORARY 'COMING SOON' JOB SITE SIGN ON THIS LOCATION

STORE PLANNING Inc
3080 SENNA DRIVE
Matthews, North Carolina 28105
Phone: 704-841-7288
Fax: 704-849-6997

ARCHITECT
14053
JAMES T. REESE III
STATE OF MARYLAND

'Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland
License Number 14053
Expiration Date 12/27/2022

#	DATE	REVISION

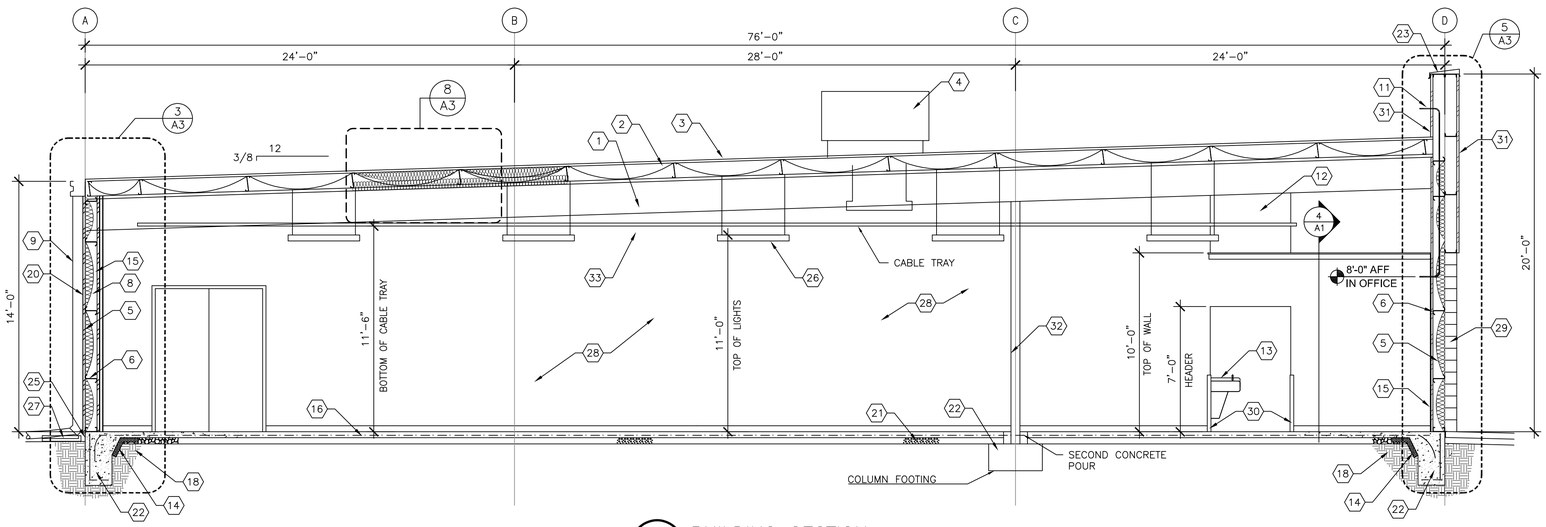
DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
EXTERIOR ELEVATIONS

SPI Client	DATE
21052	12-16-21

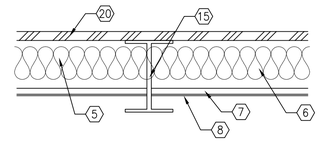
SHEET NUMBER
A2



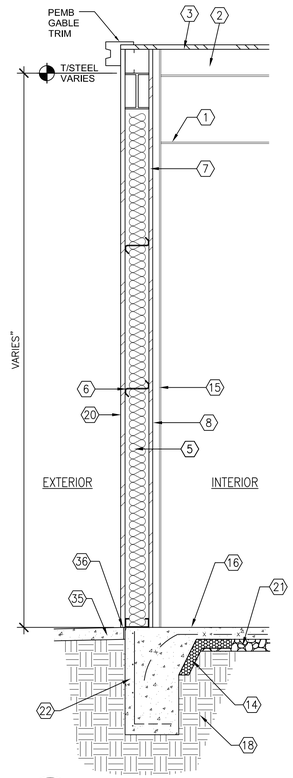
1 A3 BUILDING SECTION
1/4"=1'-0"

SECTION KEYED NOTES

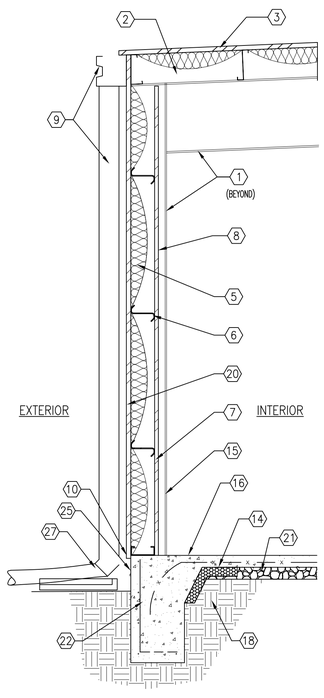
1. PRE-ENGINEERED METAL BUILDING SYSTEM BY BUILDING MANUF.
2. MIN. R-19 AND R-11 BATT INSULATION IN TWO LAYERS WITH R-5 THERMAL BLOCKS AT EACH PURLIN. (BY PEMB) – INSULATION SYSTEM TO LEAVE BOTTOM OF PURLINS EXPOSED FOR ATTACHMENTS – "SAG AND BAG" PREFERED, "LONG TAB/BANDED FILLED CAVITY" ACCEPTABLE.
3. STANDING SEAM METAL ROOF – GALVALUME FINISH.
4. ROOF MOUNTED HVAC UNIT. SEE MECH.
5. VINYL FACED R13 BATT INSULATION. BY METAL BUILDING MANUFACTURER.
6. 8" METAL BUILDING GIRT.
7. VERTICAL METAL LINER PANELS.
8. 1/2" GYPSUM BOARD OVER LINER PANELS (PAINTED). SEE SHEET A4.
9. PRE-FINISHED DOWNSPOUT & GUTTER.
10. PROVIDE METAL CLOSURE, SEAL, AND CAULK TO RODENT PROOF BUILDING.
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. EXTEND CONDUIT TO OFFICE.
12. 1/2" GYPSUM BOARD TO DECK.
13. ADA COMPLIANT DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS.
14. 3" TH. R-15 SLAB INSULATION FOR A MIN COVERAGE AREA OF 24" W/ MOISTURE BARRIER. GC'S OPTION TO INSTALL ON INTERIOR OR EXTERIOR OF CONCRETE FOUNDATION.
15. METAL BUILDING COLUMNS SHALL BE STRAIGHT.
16. REIN. CONC. SLAB ON VINYL VAPOR BARRIER.
17. 21'X10' ALUMINUM BI-PART DOOR AND STOREFRONT GLAZING SYSTEM, COLOR BRONZE.
18. UNDISTURBED EARTH AND COMPACTED SUB GRADE.
19. SOFFIT BEYOND PROVIDED BY PRE-ENGINEERED BUILDING MANUF.
20. PRE-FINISHED METAL WALL PANELS.
21. GRANULAR FILL.
22. REINFORCED CONCRETE FOOTING. (REFER TO NOTES ON S2)
23. PREFINISHED METAL COPING.
24. STOREFRONT SIGN (BY DOLLAR GENERAL).
25. FINISH GRADE TO BE MINIMUM OF 6" BELOW FINISHED FLOOR AT ALL NONPAVED AREAS.
26. LIGHTING – SEE ELECTRICAL DRAWINGS.
27. WHERE NO SIDEWALK EXISTS, MIN. 5' LONG 4" PERFORATED LANDSCAPE PIPE, STRAPPED TO A 12"X24" CONCRETE SPLASHBLOCK.
28. INTERIOR WALL – PAINTED – SEE ROOM SCHEDULE FOR MORE INFO
29. 8" SPLIT-FACED CMU PAINTED SW 7037 "BALANCED BEIGE", ALIGN FACE OF BLOCK WITH STEEL GIRT. PROVIDE PROPER ANCHORAGE TO STRUCTURE.
30. MC CUE TRIM KIT.
31. PRE-FINISHED METAL FASCIA PANEL.
32. METAL COLUMN. WRAP WITH CARPET TO 48" HIGH AT BASE.
33. CABLE TRAY – SEE RCP
34. 20"X30" MINIMUM ACCESS PANEL FOR SIGNAGE JUNCTION BOX. COORDINATE LOCATION W/ ELEC. DRAWINGS & SIGNAGE VENDOR.
35. CONCRETE SIDEWALK
36. 1/2" EXPANSION JOINT CONT.
37. FRT WOOD BLOCKING. COORD W. PEMB AND SIGN INSTALLATION.
38. 3-5/8" LIGHT GA METAL STUDS W/CLIP ANGLES. SEE STRUCT..



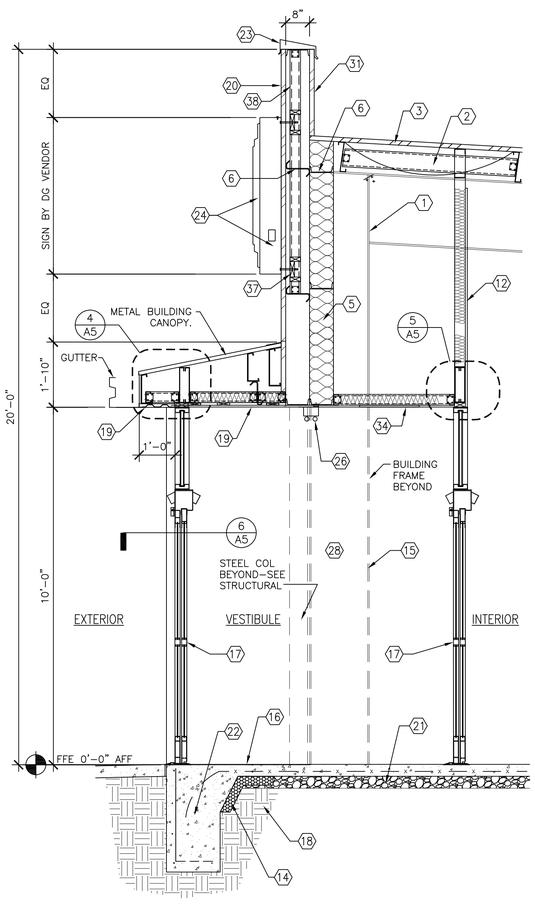
7 A3 DETAIL AT COLUMN
1"=1'-0"



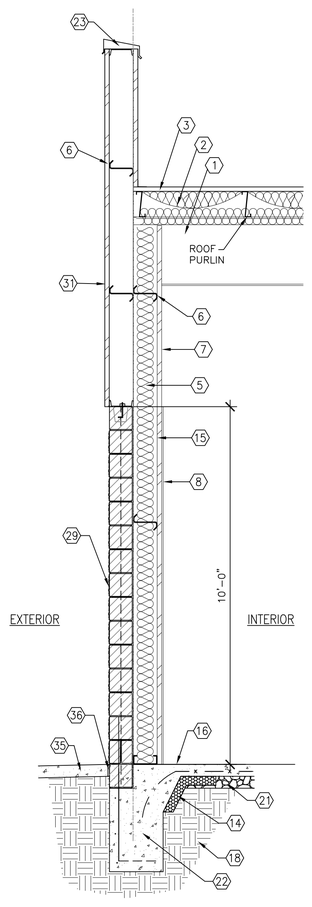
2 A3 SIDE WALL SECT.
1/2"=1'-0"



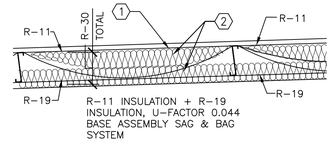
3 A3 REAR WALL SECTION
1/2"=1'-0"



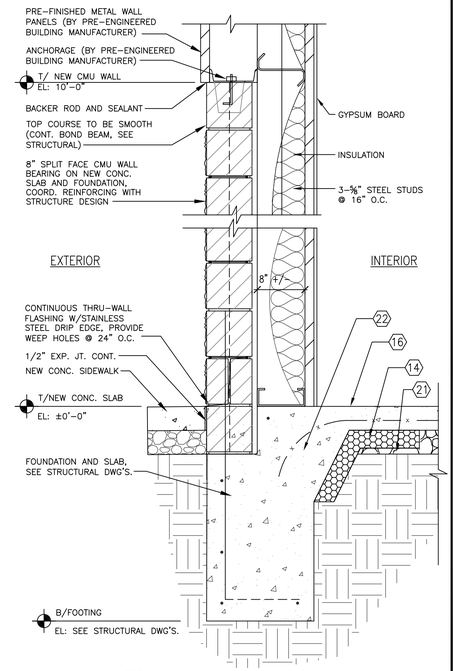
4 A3 VESTIBULE SECTION
1/2"=1'-0"



5 A3 FRONT WALL SECT.
1/2"=1'-0"



8 A3 ROOF INSULATION
1/2"=1'-0"



9 A3 WALL DETAIL
1"=1'-0"

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GARRETT COUNTY MD
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DOLLAR GENERAL

SHEET TITLE
SECTIONS & DETAILS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
A3

FINISH CLASSIFICATIONS

INTERIOR FINISH CLASSIFICATIONS
PER SBC 803.11, 804 & 2015 NFPA 101, 10 & 30

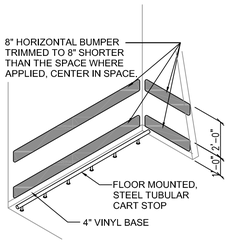
FLAME SPREAD	DESCRIPTION
CLASS II - FLOOR	CONCRETE
CLASS C - WALLS	FRP - MARLITE P100
CLASS C - WALLS	COVE BASE - VINYL
CLASS C - WALLS & CEILING	PAINT
CLASS C - CEILING	ACOUSTICAL CEILING

MIN. REQUIREMENTS MERCANTILE OCCUPANCY
CLASS II - FLOORS
CLASS C - WALLS CLASS A IS GREATER THAN CLASS C
CLASS C- CEILINGS CLASS A IS GREATER THAN CLASS C

COMPLIANCE SUMMARY:
ALL FINISHES EXCEED THE MINIMUM INTERIOR FINISH CLASSIFICATIONS REQUIRED BY APPLICABLE CODES.

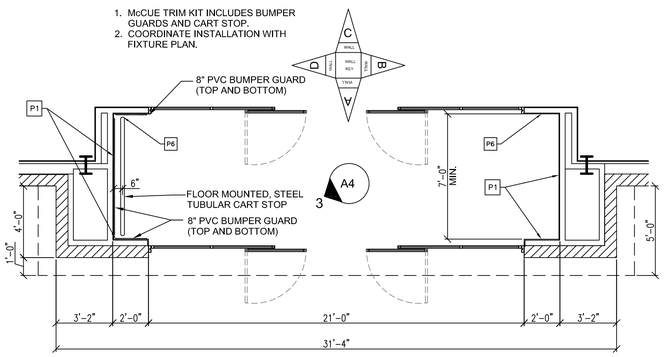
ROOM FINISH SCHEDULE

NO	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	A WALL MATERIAL	A WALL FINISH	B WALL MATERIAL	B WALL FINISH	C WALL MATERIAL	C WALL FINISH	D WALL MATERIAL	D WALL FINISH	CEILING MATERIAL	CEILING FINISH	REMARKS
100	BREAK ROOM	CONCRETE FLOOR SEALED	CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO 10'-0" A.F.F. WHITE METAL LINER PANELS ABOVE	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F. WHITE METAL LINER PANELS ABOVE	SHERWIN WILLIAMS - SW7005-PURE WHITE, PRO-MAR LATEX SEMI-GLOSS.	GYPSUM BOARD TO 10'-0" A.F.F. AT HALLWAY - TO DECK AT RECEIVING AREA	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	CONCRETE FLOOR SEALED	CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	GYPSUM BOARD TO 10'-0" A.F.F. WHITE METAL LINER PANELS ABOVE	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.	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	CONCRETE FLOOR POLISHED (STEPS 1-9)	POLISHED CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	← REFER TO INTERIOR ELEVATIONS BELOW →								EXPOSED TO STRUCTURE ABOVE	N/A	SEE INTERIOR ELEVATIONS
103	RECEIVING AREA	CONCRETE FLOOR SEALED	CONCRETE WITH SEALER	N/A	N/A	GYPSUM BOARD TO ROOF DECK,.	TAPED, PAINTED AS REQUIRED BY CODE. MTL. LINER PANEL TO DECK AS ALTERNATE	METAL LINER PANEL FROM FLOOR TO 8'-0" AFF	WHITE	METAL LINER PANEL FROM FLOOR TO 8'-0" AFF	WHITE	GYPSUM BOARD TO ROOF DECK,.	TAPED, PAINTED AS REQUIRED BY CODE. MTL. LINER PANEL TO DECK AS ALTERNATE	EXPOSED TO STRUCTURE ABOVE	N/A	FINISH ALL WALLS TO THE ROOF DECK
104	WOMENS	CONCRETE FLOOR SEALED	SHERWIN WILLIAMS ACRYLIC SILICONE SILK CHOCOLATE HC-117.	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"	GYPSUM BOARD TO 8'-0" A.F.F.	8'-0" HIGH FIBERGLASS REINFORCED PANEL - "WHITE"	GYPSUM BOARD CEILING @ 8'-0" A.F.F.	WHITE	
105	MENS	CONCRETE FLOOR SEALED	SHERWIN WILLIAMS ACRYLIC SILICONE SILK CHOCOLATE HC-117.	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"	GYPSUM BOARD TO 8'-0" A.F.F.	8'-0" HIGH FIBERGLASS REINFORCED PANEL - "WHITE"	GYPSUM BOARD CEILING @ 8'-0" A.F.F.	WHITE	
106	VESTIBULE (WHERE SHOWN)	POLISHED CONCRETE (STEPS 1-9)	POLISHED CONCRETE WITH SEALER	4" RUBBER / VINYL BASE	BLACK	GYP. BD. TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7065- 'ARGOS', PRO-MAR LATEX SEMI-GLOSS.	GYP. BD. TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7065- 'ARGOS', PRO-MAR LATEX SEMI-GLOSS.	GYP. BD. TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW6910-DAISY', PRO-MAR LATEX SEMI-GLOSS.	GYP. BD. TO 10'-0" A.F.F.	SHERWIN WILLIAMS - SW7065- 'ARGOS', PRO-MAR LATEX SEMI-GLOSS.	EXTERIOR GRADE GYP BD @ 10'-0"	WHITE	
107	NOT USED															
108	HALLWAY	CONCRETE FLOOR POLISHED (STEPS 1-9)	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 TO 48" AFF., SHERWIN WILLIAMS - SW7065 'ARGOS', PRO-MAR LATEX SEMI-GLOSS ABOVE 48" AFF.	GYPSUM BOARD TO ROOF DECK	SHERWIN WILLIAMS - SW6991 BLACK MAGIC, PRO-MAR LATEX SEMI-GLOSS TO 48" AFF., SHERWIN WILLIAMS - SW7065 'ARGOS', PRO-MAR LATEX SEMI-GLOSS ABOVE 48" AFF.	GYPSUM BOARD TO ROOF DECK	SHERWIN WILLIAMS - SW6991 BLACK MAGIC, PRO-MAR LATEX SEMI-GLOSS TO 48" AFF., SHERWIN WILLIAMS - SW7065 'ARGOS', PRO-MAR LATEX SEMI-GLOSS ABOVE 48" AFF.	GYPSUM BOARD TO 10'-0" A.F.F. ON BULKHEAD	SHERWIN WILLIAMS - SW7065-'ARGOS', PRO-MAR LATEX SEMI-GLOSS.	EXPOSED TO STRUCTURE ABOVE	N/A	

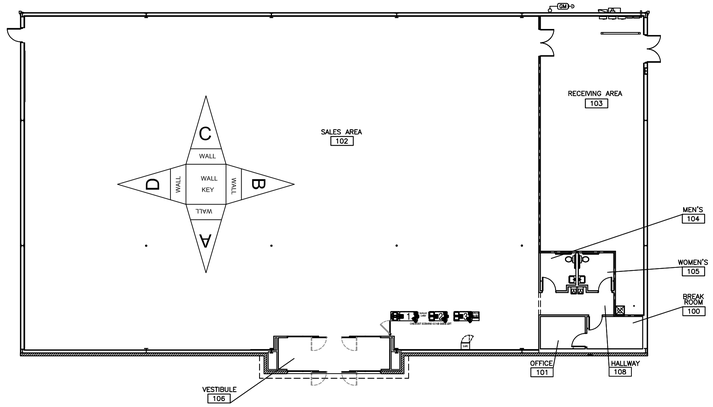


3 / A4 CART AREA DETAIL
NTS

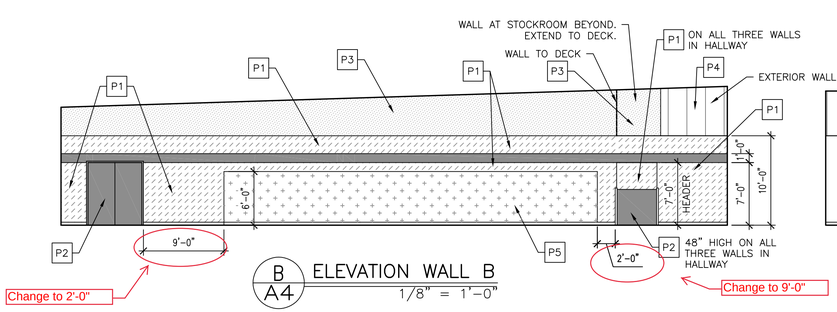
1. McCUE TRIM KIT INCLUDES BUMPER GUARDS AND CART STOP.
2. COORDINATE INSTALLATION WITH FIXTURE PLAN.



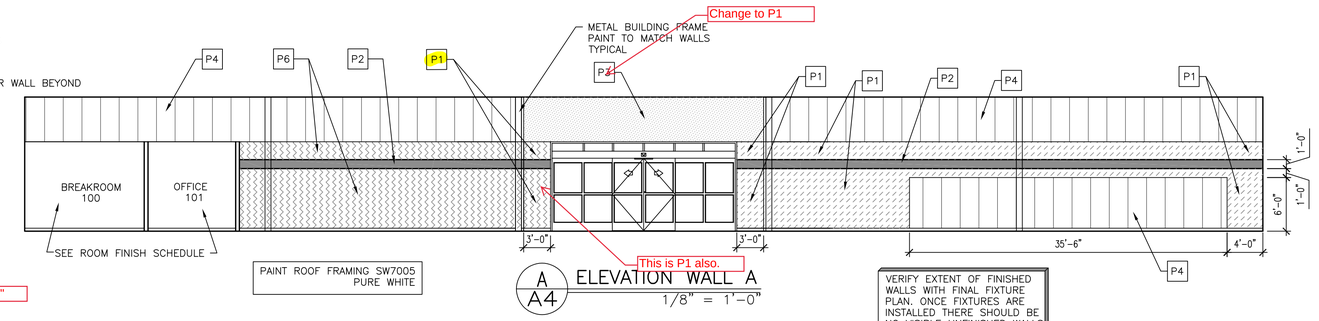
2 / A4 ENLARGED ALCOVE PLAN
1/4" = 1'-0"



1 / A4 FINISH PLAN
1/16" = 1'-0"

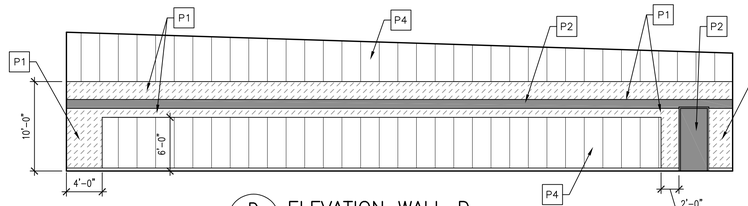


B / A4 ELEVATION WALL B
1/8" = 1'-0"

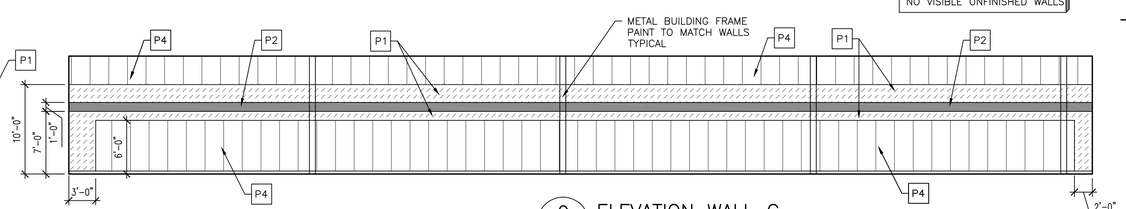


A / A4 ELEVATION WALL A
1/8" = 1'-0"

VERIFY EXTENT OF FINISHED WALLS WITH FINAL FIXTURE PLAN. ONCE FIXTURES ARE INSTALLED THERE SHOULD BE NO VISIBLE UNFINISHED WALLS



D / A4 ELEVATION WALL D
1/8" = 1'-0"



C / A4 ELEVATION WALL C
1/8" = 1'-0"

WALL PAINT LEGEND

P1	SW7065 "ARGOS"
P2	SW6991 "BLACK MAGIC"
P3	SW7005 "PURE WHITE"
P4	EXPOSED PREFINISHED METAL LINER PANELS.
P5	DENOTES GYPSUM BOARD TAPED AND MUDDED ONLY
P6	SW6910 "DAISY"

ALL EXPOSED STRUCTURE AT ROOF TO BE PAINTED SW7005 "PURE WHITE".

STORE PLANNING Inc
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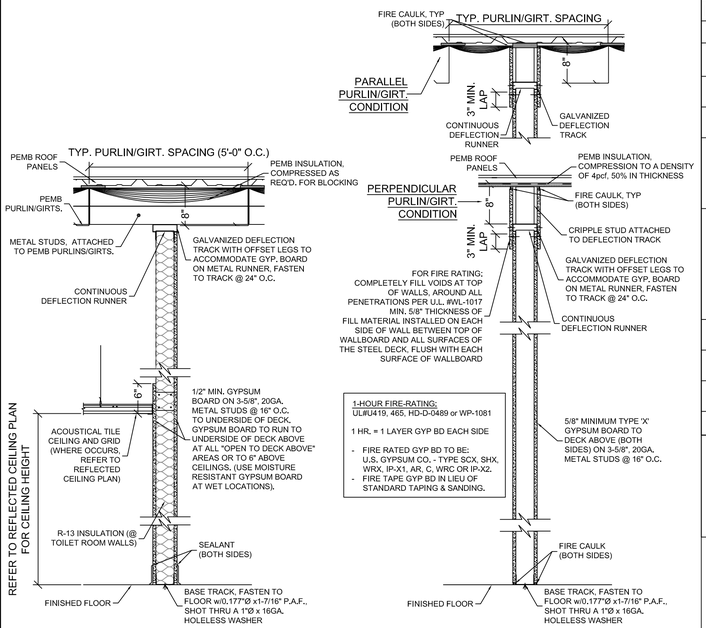
DOLLAR GENERAL

SHEET TITLE
FINISH SCHEDULE, ELEVATIONS & DETAILS

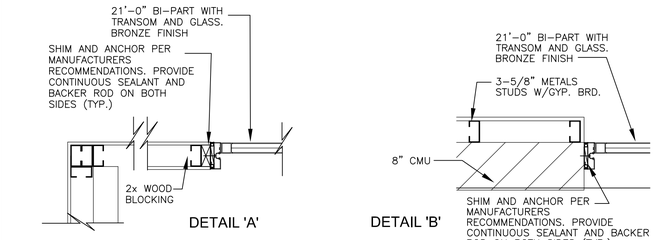
SPI Client	DATE
21052	12-16-21

SHEET NUMBER
A4

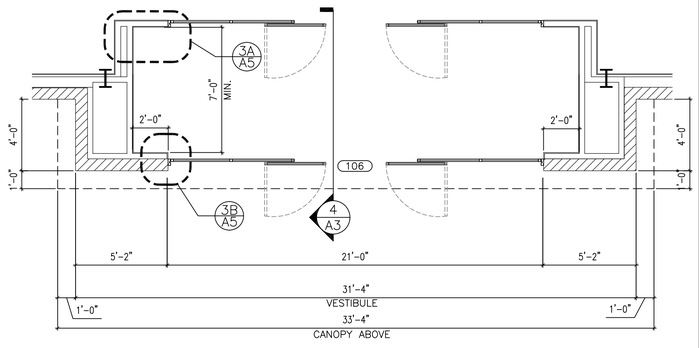


4A / A5 INTERIOR PARTITION
NTS

4B / A5 1HR RATED WALL
NTS



3 / A5 CORNER DETAILS
1"=1'-0"



2 / A5 ALCOVE PLAN
1/4"=1'-0"

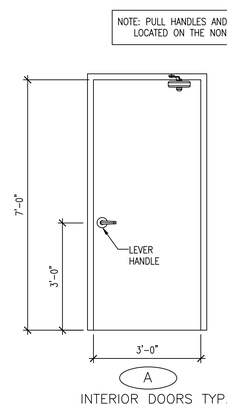
DOOR SCHEDULE

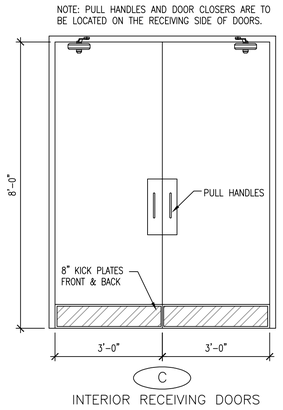
NO.	Type	SIZE W	SIZE H	SIZE T	DOOR HARDWARE	REMARKS
100	A	3'-0"	7'-0"	1 3/4"	(1) FALCON PASSAGE LEVERSET #W101S-DANE-626 - NO KEY REQ'D., (1) HAGER DOOR CLOSER #5400. (1) IVES WALL STOP, #402-1/2B-26D	SOLID CORE WOOD DOOR OR HOLLOW METAL DOOR. PAINTED.
101	B	3'-0"	7'-0"	1 3/4"	(1) FALCON STOREROOM LEVERSET #W581PD-DANE-626 - KEY #1, (1) HAGER DOOR CLOSER #5400, (1) IVES WALL STOP #402-1/2B-26D, (1) TACO DOOR VIEWER #TA3310PC.	SOLID WOOD DOOR OR HOLLOW METAL DOOR. PAINTED.
102	E	3'-0"	7'-0"	1 3/4"	(1) VON DUPRIN GUARD-X EXIT ALARM LOCK #2670-28, (1) HAGER DOOR CLOSER #5400, (1) DOOR SWEEP, WEATHERSTRIPPING. (1) 7015SC8-26D RIM CYLINDER, (1) HAGER 8N PULL.	INSULATED METAL DOOR. PAINTED.
103A	C	6'-0"	8'-0"	1 3/4"	(2) BURNS PULL PLATES #5410-32D-26D-GRIP, (2) BURNS PUSH PLATES #54-US32D, (4) IVES KICK PLATES #8400-S32D-8X34 (2) STANLEY DOOR CLOSERS QDC311-689, (2) IVES 4" DOOR HOLDER #452B26D DOOR MOUINTED ASTRAGAL, DOORS ARE TO BE LATCHED.	FIRE RATED DOORS & FRAME, 3/4 HOUR RATED DOOR IN A 1 HOUR RATED PARTITION WALL. SOLID CORE WOOD DOOR OR HOLLOW METAL DOOR PAINTED SW6991, BLACK MAGIC (SEMI-GLOSS).
103B	D	6'-0"	8-0"	1 3/4"	(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 (2) BURNS PUSH PLATES #54-US32D, (1) 2" DOOR SCOPE #DS/1000MB, (2) 8" DOOR HOLDERS #608Z, (1) NATIONAL GUARD HD THRESHOLD #425 HD-6 FT., (2) DOOR SWEEPS, WEATHERSTRIPPING. (1) 7015SC8-26D RIM CYLINDER	FIRE RATED DOORS & FRAME, 3/4 HOUR RATED DOOR IN A 1 HOUR RATED WALL. 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"	(1) FALCON STOREROOM LEVERSET #W581PD-DANE-626 - KEY #2, (1) HAGER DOOR CLOSER #5400, (1) IVES WALL STOP #402-1/2B-26D.	SOLID CORE WOOD DOOR OR HOLLOW METAL DOOR. PAINTED.
105	A	3'-0"	7'-0"	1 3/4"	(1) FALCON STOREROOM LEVERSET #W581PD-DANE-626 - KEY #2, (1) HAGER DOOR CLOSER #5400, (1) IVES WALL STOP #402-1/2B-26D.	SOLID CORE WOOD DOOR OR HOLLOW METAL DOOR. PAINTED.
106A	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
106B	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

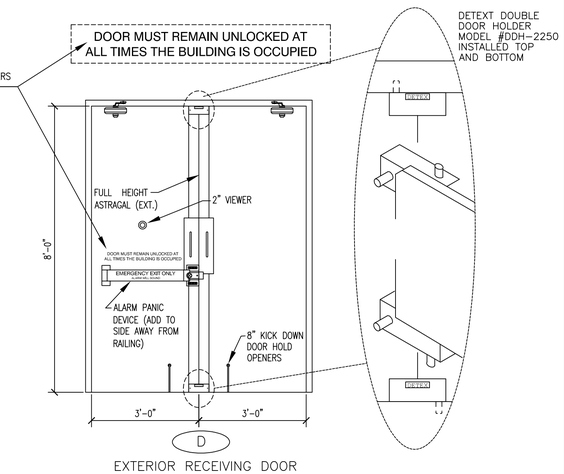
NOTE:

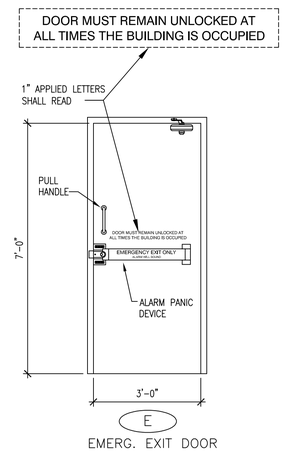
INTERIOR HOLLOW METAL FRAMES AND INTERIOR DOORS TO BE PAINTED SW 6991 BLACK MAGIC (SEMI-GLOSS).

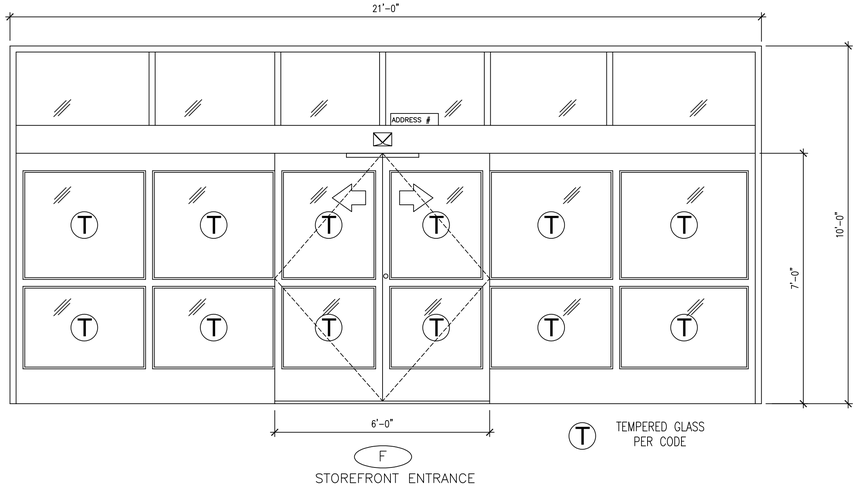
EXTERIOR HOLLOW METAL DOORS AND FRAMES TO BE PAINTED SW 7041 VAN DYKE BROWN. THE INTERIOR SIDE TO BE PAINTED SW 6991 BLACK MAGIC.











1 / A5 DOOR ELEVATIONS
1/2"=1'-0"

STORE PLANNING Inc
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"Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland
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#	DATE	REVISION

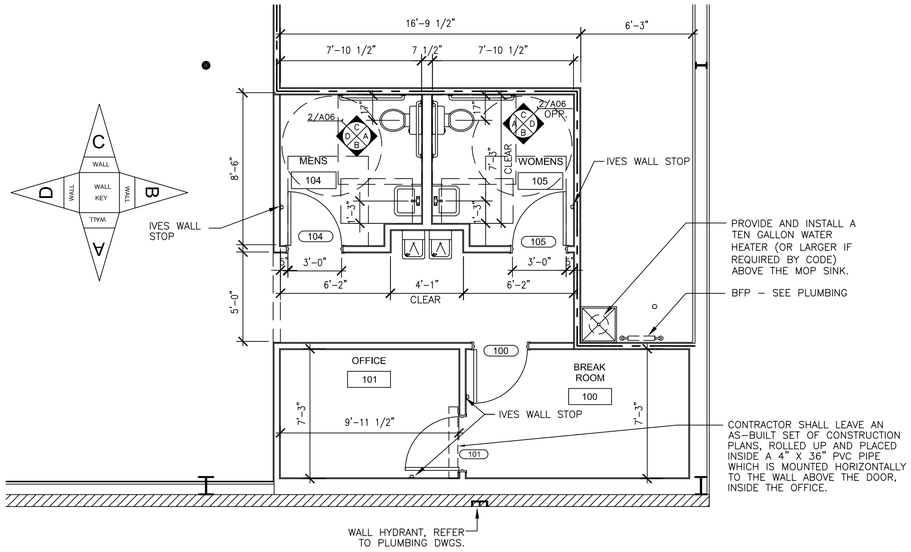
DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
DOOR SCHEDULE & DETAILS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
A5



1 A6 RESTROOM/OFFICE PLAN
1/4"=1'-0"

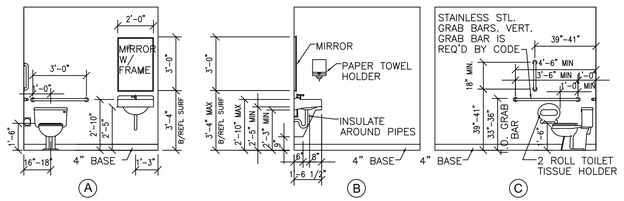
REST ROOMS

1. ALL STORES MUST INCLUDE TWO RESTROOMS, EVEN WHEN NOT REQUIRED BY CODE. ANY VARIATION MUST BE APPROVED, IN WRITING, BY THE DOLLAR GENERAL CONSTRUCTION AUTOCAD DEPARTMENT.

2. RESTROOMS MUST COMPLY WITH ALL BUILDING (FEDERAL, STATE, AND LOCAL) FIRE, AND HEALTH DEPARTMENT CODES. ACCESSIBILITY REQUIREMENTS MUST ALSO BE MET IN BOTH RESTROOMS. SOME CODES MAY REQUIRE ADDITIONAL TOILETS OR LAVATORIES. PLEASE CONTACT DOLLAR GENERAL CONSTRUCTION AUTOCAD DEPARTMENT FOR ALTERNATE PLANS FOR THESE SITUATIONS.

3. PROVIDE AND INSTALL 2' x 3' MIRROR (OR LARGER IF REQUIRED BY CODE) IN RESTROOMS ABOVE LAVATORY.

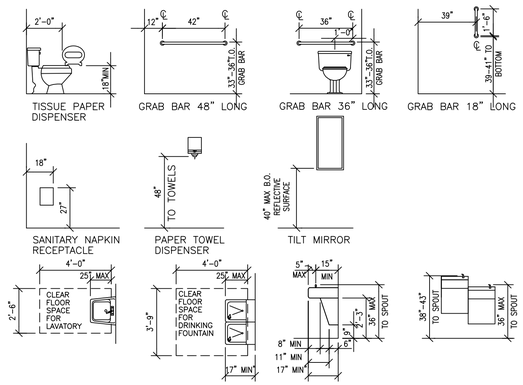
4. CONTRACTOR TO INSTALL SOAP DISPENSERS, TOILET PAPER HOLDERS, DOOR CLOSERS, DOOR HOLDERS, EXHAUST FANS, AND ALL TOILET ACCESSORIES IN BOTH RESTROOMS. PROVIDE ALL NECESSARY WOOD BLOCKING FOR ACCESSORIES.



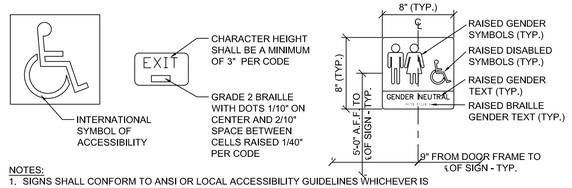
2 A6 RESTROOM ELEVATIONS
1/4"=1'-0"

888-774-3400 EXT. 925	
TOILET ACCESSORIES	
B2740	BOBRICK DOUBLE TOILET TISSUE DISPENSER
B253	BOBRICK PAPER TOWEL DISPENSER
54-US32D	BURNS PUSH PLATE
5410-32D-26D-GRIP	BURNS PULL PLATE
DDH-2250 **	DETEX DOUBLE DOOR HOLDER
DS/1000MB	DOOR SCOPE (FOR RECEIVING EXIT DOOR)
608Z	8" DOOR HOLDER
770SAV-3FT	3 FT DOOR SWEEP
770SAV-4FT	4 FT DOOR SWEEP
W101S-DANE-626	FALCON PASSAGE LEVERSET
W581PD-DANE-626	FALCON STOREROOM LEVERSET
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
5400	HAGER DOOR CLOSER
7015SC8-26D *	ILCO RIM CYLINDER
402-1/2B-26D	IVES WALL STOP
452B26D-4	IVES 4" DOOR HOLDER
8400-S32D-8X34	IVES KICK PLATE
425 HD - 6 FT.	NATIONAL GUARD HD THRESHOLD (FOR RECEIVING EXIT DOOR)
TA3310PC	TACO DOOR VIEWER
2670-28	VON DUPRIN GUARD-X EXIT ALARM LOCK
2609 **	VON DUPRIN GUARD-X DOUBLE DOOR STRIKE
892SAV-84INCH	WEATHERSTRIPPING

* MUST HAVE ONE RIM PER EXIT DEVICE.
** MUST HAVE DOUBLE DOOR STRIKE AND TWO DOUBLE DOOR HOLDERS FOR ALL DOUBLE EXIT DOORS.

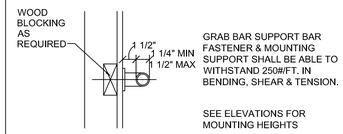


3 A6 A.D.A. CLEARANCES
NTS

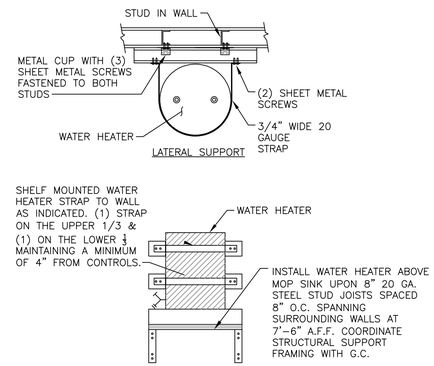


NOTES:
1. SIGNS SHALL CONFORM TO ANSI OR LOCAL ACCESSIBILITY GUIDELINES WHICHEVER IS MORE STRINGENT.
2. ALL BUILDINGS AND ENTRANCES THAT ARE ACCESSIBLE AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
3. G.C. TO PROVIDE TACTILE "EXIT" SIGNS AT ALL GRADE LEVEL EXIT DOORS PER CODE.
4. SIGNS TO BE INSTALLED ON THE LATCH SIDE OF THE DOOR, OR IF NO SPACE ON THE NEAREST WALL PREFERABLY ON THE RIGHT. SIGNAGE SHALL HAVE NON GLARE FINISH W/ A CONTRASTING BACKGROUND. SEE A1 FOR LOCATION OF SIGNAGE.

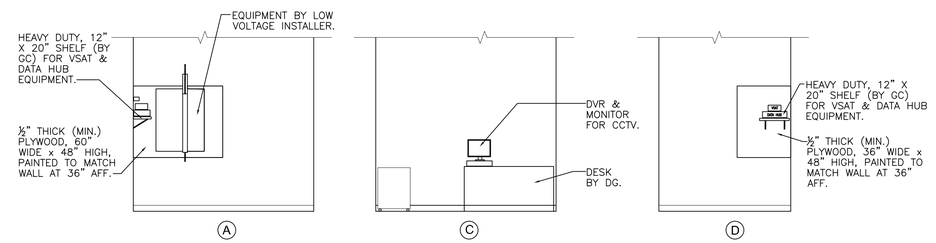
4 A6 ACCESSIBLE SIGNAGE
1 1/2" = 1'-0"



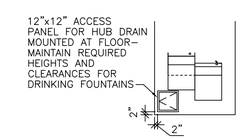
5 A6 GRAB BAR DETAIL
1 1/2" = 1'-0"



6 A6 WATER HEATER SHELF DETAIL
NTS



7 A6 OFFICE ELEVATIONS
NTS



8 A6 ACCESS PANEL DETAIL
NTS

STORE PLANNING Inc
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ARCHITECT
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21/6/21

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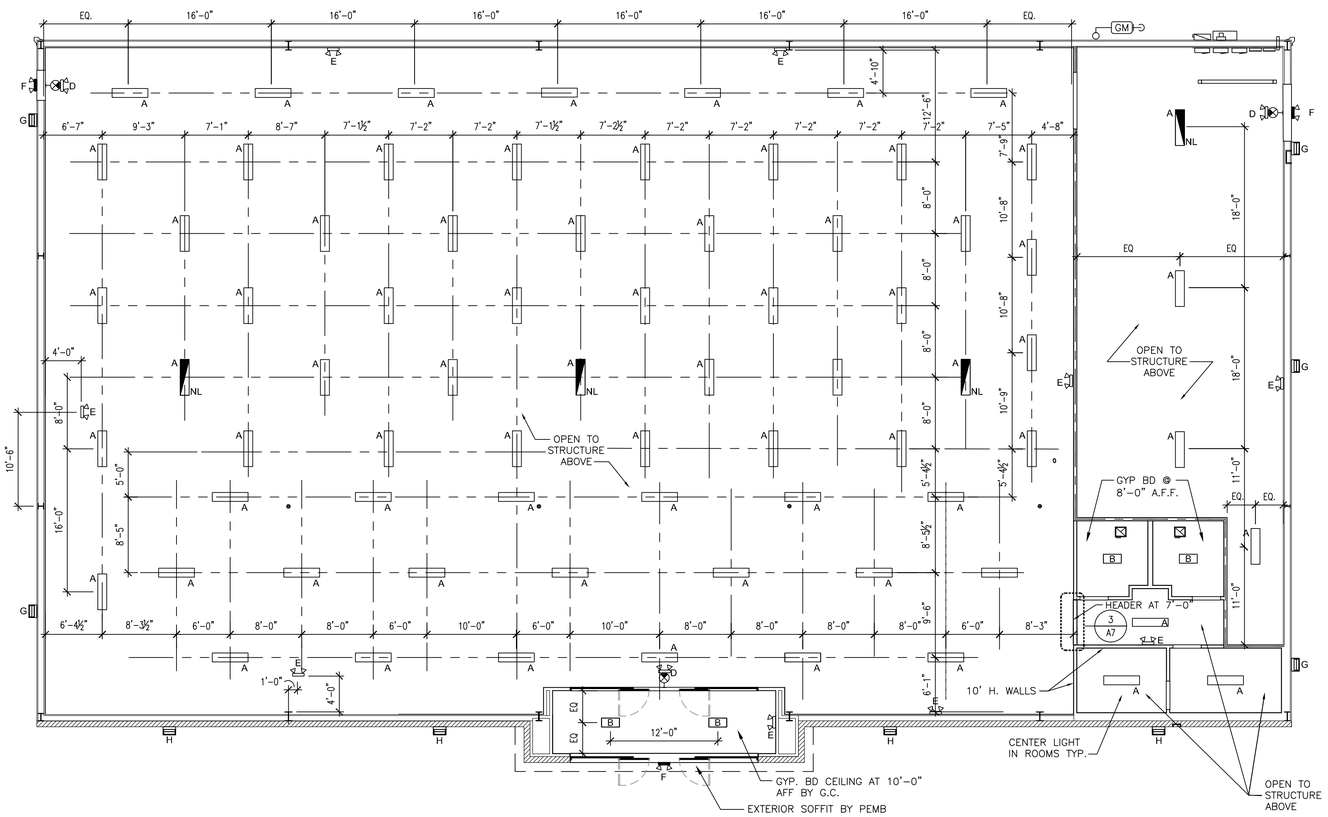
DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
RESTROOM - OFFICE PLAN & DETAILS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
A6



1 A7 REFLETED CEILING PLAN
1/8" = 1'-0"

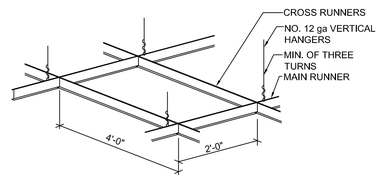
LEGEND

LIGHT FIXTURE TYPE A	WALL PACK G
LIGHT FIXTURE TYPE B	WALL PACK H & HB
NIGHT LIGHT CIRCUIT NL	EXHAUST FAN
EMERGENCY LIGHT & EXIT COMBO C - EXIT ONLY D - COMBO	TRANSFER GRILLE
EMERGENCY LIGHT E - INTERIOR F - EXTERIOR	

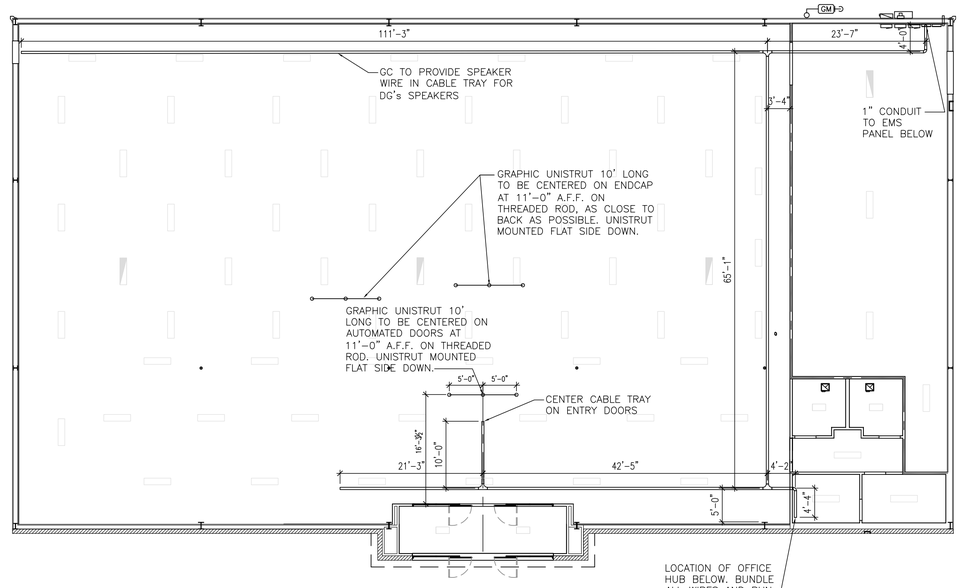
** REFER TO THE ELECTRICAL DRAWINGS FOR LIGHT DESIGNATIONS AND OTHER ADDITIONAL INFORMATION

REFLECTED CEILING PLAN NOTES

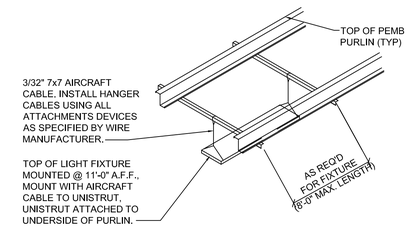
1. ALL LIGHTS TO BE MOUNTED SUCH THAT THE TOP OF THE FIXTURES ARE AT 11'-0" A.F.F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. CABLE TRAY TO BE MOUNTED SUCH THAT BOTTOM OF TRAY IS AT 11'-6" A.F.F.
3. CABLE TRAY SYSTEM TO BE INSTALLED USING FULL LENGTHS WITH MINIMAL CUTTING OF SECTIONS. AREAS WHERE CUTTING MAY BE REQUIRED ARE AS NOTED ON THE PLAN.
4. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL CABLE TRAY AND ALL CONDUIT WITH PULL STRINGS AS NOTED.
5. COORDINATE FINAL RTU LOCATIONS WITH PEMB DRAWINGS.



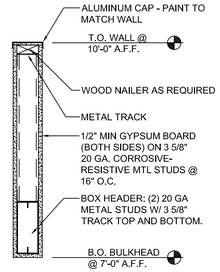
5 A7 CEILING TEE DETAIL
1" = 1'-0"



2 A7 CABLE TRAY PLAN
3/32" = 1'-0"



4 A7 LIGHT ATTACHMENT DETAIL
NTS



3 A7 BULKHEAD DETAIL
1" = 1'-0"

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12/16/21

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DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

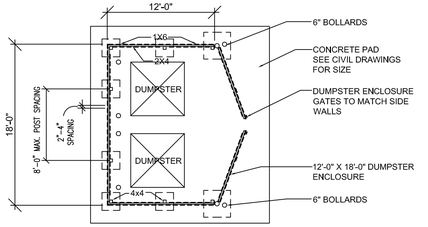
DOLLAR GENERAL

SHEET TITLE
REFLECTED CEILING PLAN & DETAILS

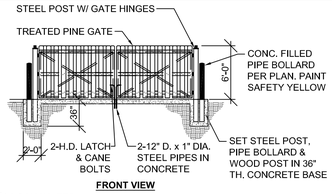
SPI Client	DATE
21052	12-16-21

SHEET NUMBER
A7

GENERAL CRITERIA
TREATED PINE (USE GALVANIZED NAILS FOR FASTENING) IF ANY PARCEL OF LAND ADJACENT TO THE DEMISED PREMISES IS EITHER ZONED FOR RESIDENTIAL USE OR IS ACTUALLY BEING USED FOR RESIDENTIAL PURPOSES ("RESIDENTIAL PROPERTY"), LESSOR SHALL CONSTRUCT A PRIVACY FENCE IN ACCORDANCE WITH TENANT'S PROTOTYPE PLANS AND ANY APPLICABLE ORNAMENTAL REQUIREMENTS ALONG ANY PORTION OF THE DEMISED PREMISES BORDERING UPON SUCH RESIDENTIAL PROPERTY.

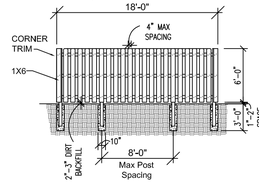


PLAN VIEW



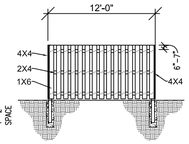
FRONT VIEW

GATE SPEC.
GATES W/ 2" x 2" x 3/16" GALVANIZED ANGLE FRAME & CROSS BRACING W/ 2" X 4" PT.WOOD FURRING BOLTED TO FRAME & PTSYP 1 x 6 PICKET EXTERIOR FACE (EDGES 3" OFF CONCRETE SLAB)



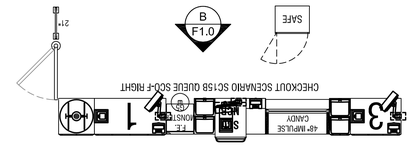
REAR VIEW

NOTE:
1. WOOD TO BE TREATED PINE. USE GALVANIZED NAILS FOR FASTENING.
2. NUMBER OF BOARDS WILL VARY DEPENDING ON SPACE BETWEEN BOARDS AND ACTUAL WIDTH OF BOARDS.



SIDE VIEW

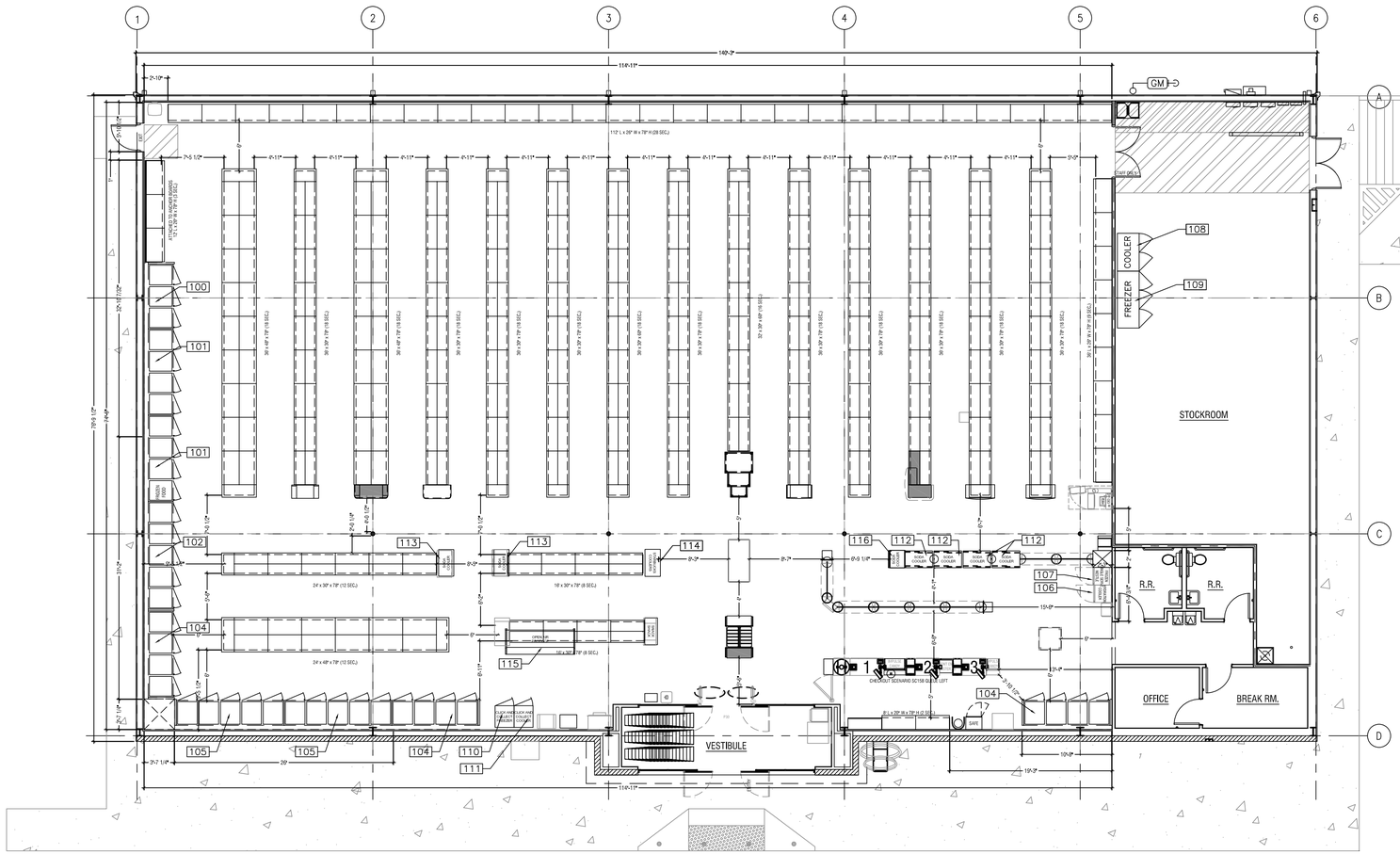
3 / F1 DUMPSTER ENCLOSURE DETAILS
1/8" = 1'-0"



B - ELEVATION

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

2 / F1 SERVICE COUNTER DETAILS
1/4" = 1'-0"



1 / F1 FIXTURE PLAN
1/8" = 1'-0"

REFRIGERATION		
100 – 3 DOOR LOW TEMP OR	HUSSMAN ZERO ZONE	RFL 3–DOOR RHZC30 3–DOOR
101 – 4 DOOR LOW TEMP OR	HUSSMAN ZERO ZONE	RFL 4–DOOR RHZC30 4–DOOR
102 – 5 DOOR LOW TEMP OR	HUSSMAN ZERO ZONE	RFL 5–DOOR RHZC30 5–DOOR
103 – 3 DOOR MID TEMP OR	HUSSMAN ZERO ZONE	RFM 3–DOOR RHCC30 4–DOOR
104 – 4 DOOR MID TEMP OR	HUSSMAN ZERO ZONE	RFM 4–DOOR RHMC30 4–DOOR
105 – 5 DOOR LOW TEMP OR	HUSSMAN ZERO ZONE	RFL 5–DOOR RHCC30 5–DOOR
106 – 1 DOOR MID TEMP	TRUE	GDM–12–HC–TSL01
107 – 1 DOOR LOW TEMP	TRUE	GDM–12F–HC–LD
108 – 2 DOOR MID TEMP	MAXX COLD	MCRT–49FD
109 – 3 DOOR LOW TEMP	MAXX COLD	MCFT–72FD
110 – CLICK AND COLLECT FREEZER	TURBO AIR	TGF–15SD:–N
111 – CLICK AND COLLECT COOLER	TURBO AIR	TGM–15SD:–N6
112 – SLIDING DOOR PASS–THRU	TRUE	GDM–33CPT–54–HC–LD
113 – ENDCAP COOLER	IDW	GS–4
114 – ENDCAP COOLER	IDW	GS–5
115 – PRODUCE COOLER OR MEAT COOLER	HOWARD MCCRAY	SC–OP35E–8L–LED–DG
116 – 1–DOOR MID TEMP	TRUE	GDM–10–HC–TSL01

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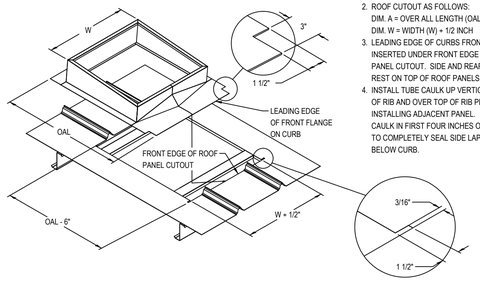
DOLLAR GENERAL

SHEET TITLE
FIXTURE PLAN AND DETAILS

SPI Client	DATE
21052	12-16-21

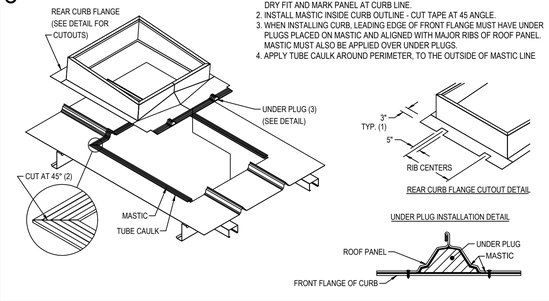
SHEET NUMBER
F1

B



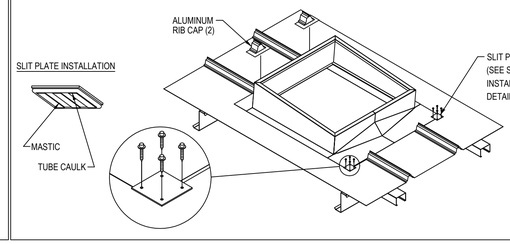
1. ATTACH ROOF PANELS
2. ROOF CUTOUT AS FOLLOWS:
   DIM. A = OVER ALL LENGTH (OAL) - 6 INCHES
   DIM. W = WIDTH (W) + 1/2 INCH
3. LEADING EDGE OF CURBS FRONT FLANGE IS INSERTED UNDER FRONT EDGE OF ROOF PANEL CUTOUT. SIDE AND REAR FLANGES REST ON TOP OF ROOF PANELS
4. INSTALL TUBE CAULK UP VERTICAL PORTION OF RIB AND OVER TOP OF RIB PRIOR TO INSTALLING ADJACENT PANEL. INSTALL TUBE CAULK IN FIRST FOUR INCHES OF FEMALE RIB TO COMPLETELY SEAL SIDE LAP ABOVE AND BELOW CURB.

C



1. NOTCH CURB FLANGE TO ALLOW CURB TO SET IN THE FLAT OF PANEL. DRY FIT AND MARK PANEL AT CURB LINE.
2. INSTALL MASTIC INSIDE CURB OUTLINE - CUT TAPE AT 45 ANGLE.
3. WHEN INSTALLING CURB, LEADING EDGE OF FRONT FLANGE MUST HAVE UNDER PLUGS PLACED ON MASTIC AND ALIGNED WITH MAJOR RIBS OF ROOF PANEL. MASTIC MUST ALSO BE APPLIED OVER UNDER PLUGS.
4. APPLY TUBE CAULK AROUND PERIMETER, TO THE OUTSIDE OF MASTIC LINE

D



1. ATTACH CURB THROUGH ROOF PANEL INTO SUPPORTS WITH SCREWS SPACED AT 3" O.C.
2. APPLY MASTIC & TUBE CAULK TO UNDER SIDE OF RIB CAPS. WITH TUBE CAULK EXPOSED TO THE WEATHER SIDE. ATTACH RIB CAPS WITH FASTENERS 3" O.C.
3. GENEROUSLY APPLY TUBE CAULK AROUND PANEL SEAM WHERE IT ENTERS RIB CAP. FORCING CAULK BACK INTO TOP OF RIB CAP.
4. APPLY MASTIC & TUBE CAULK TO BOTTOM OF SLIT PLATES PRIOR TO INSTALLATION (SEE DETAIL).

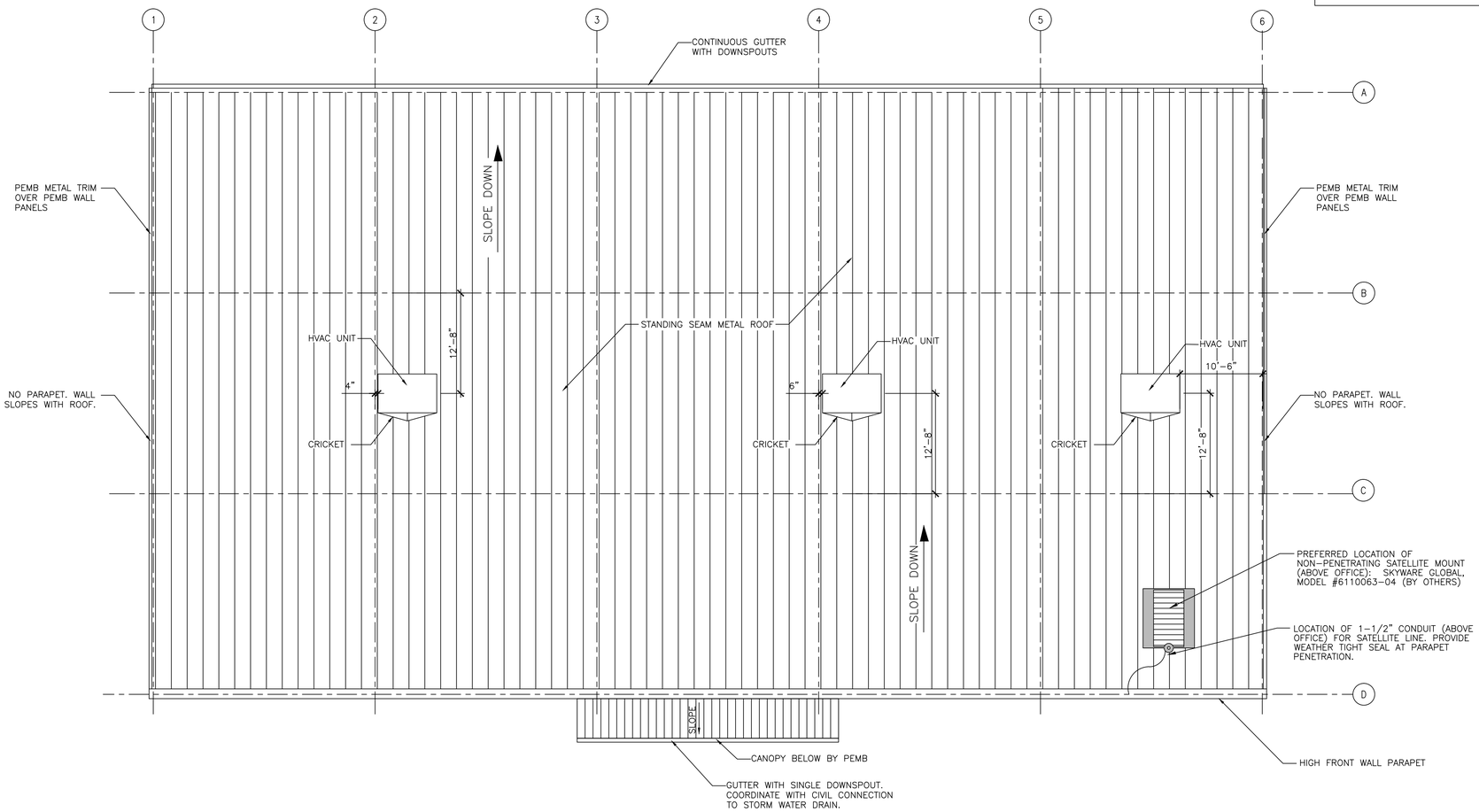
CURB INSTALLATION INSTRUCTIONS

TRAPEZOIDAL STANDING SEAM PANEL - UNDER / OVER
FOLLOW MANUFACTURER'S SPECIFICATIONS

3 / GS1 ROOF CURB DETAILS
NO SCALE

REQUIRED NATIONAL ACCOUNT ROOF CURB DG VENDORS:

ROOF CURB SYSTEMS	**GREG SMYTH**	**800-683-5848**	**GSMYTH@ROOFCURB.COM**
CURBS PLUS INC.	**ALAN THRAILKILL**	**888-639-2872**	**ALAN.THRAILKILL@CURBS-PLUS.COM**
KCC INTERNATIONAL INC.	**GREG CONRAD**	**800-382-2872**	**GCONRAD@KCCCURBS.COM**



1 / GS1 ROOF PLAN
1/8"=1'-0"

METAL BUILDING NOTES:

1. 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 MOST RECENT EDITION OF THE INTERNATIONAL BUILDING CODE.
2. 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.
3. 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 96" APART TO PROVIDE ADEQUATE SUPPORT FOR SIGNAGE WHICH MAY WEIGH UP TO 1,400 LBS.
4. RECOMMENDED PRE-ENGINEERED METAL BUILDING MANUFACTURERS ARE:
   -VP BUILDINGS,
   ATTN: DAVID ENGLISH
   (901) 568-4537
   -STAR BUILDING SYSTEMS
   ATTN: RODNEY BURT
   (800) 879-7827
   -NUCOR BUILDING SYSTEMS
   ATTN: BOB BARRY
   (315) 622-4400
   (260) 837-7891
   -BIGBEE STEEL BUILDINGS, INC.
   ATTN: KEVIN BUSLER
   (800) 633-3378
   -CHIEF BUILDINGS
   ATTN: ERIN SULLIVAN
   (800) 845-1767
5. SEE SHEET A2 FOR WALL AND ROOF FINISHES AND COLORS.

ROOF NOTES:

1. 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.
2. ROOF PANELS TO BE A MINIMUM 24 GAUGE.
3. METAL ROOF SYSTEM TO BE EQUAL TO VP BUILDING SLR II ROOF.
4. CONDENSATE FROM HVAC UNITS TO BE PIPED TO GUTTERS.

STORE PLANNING Inc
3080 SENNA DRIVE
Matthews, North Carolina 28105
Phone: 704-841-7288
Fax: 704-849-6997

ARCHITECT
14053
JAMES T. REESE III
2/16/21
STATE OF MARYLAND

"Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland
License Number 14053
Expiration Date 12/27/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
ROOF PLAN & METAL BUILDING NOTES

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
GS1

1) GENERAL

A. The building shall be designed such that there is maintained an absolute minimum of 74'-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 thereto. 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. Tie beams below and separate 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 pressure 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 inch (pci) modulus of sub-grade reaction and shall be proof-rolled to ensure that there are no pumping or soft zones greater than ½" (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 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 ¼ 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 panels with an aspect ratio no greater that 1.5:1. Refer to Control Joint Spacing Plan on Sheet S3. The slab shall be protected from the effects of heat or wind as necessary to avoid any curling of the slab segments.

4) CONCRETE SALES FLOOR PRE-INSTALLATION CONFERENCE:

A. At least **30** days prior to the start of the concrete slab construction, the general contractor shall conduct a meeting to review the proposed concrete mix designs 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 representatives 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 indicates 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 aggregates: ASTM C 33. Combined aggregate gradation for slabs on grade and other designated concrete shall be 8% - 18% for large top size aggregates (1½") or 8% - 22% for smaller top size aggregates (1" or ¼") retained on each sieve below the top size and above the no. 100 sieve. Slabs on grade shall have a maximum aggregate size of 1½" footings and piers 1" and beams ¾".

C. Water: complying with ASTM C 94.

D. Air-entraining admixtures: Shall conform to ASTM C-260. Admixture manufacturer shall provide written certification that the air-entraining admixture is compatible with other required admixtures. All exterior slabs shall be air-entrained (4% - 6%). Acceptable products: Euclid Chemical AEA-92 or Air 40; BASF Micro Air; W.R. Grace Daravair 1000 or Darex- 1.
1. **Note: Air-entraining admixture shall not be used on interior concrete.**

E. Water-reducing admixture: Shall conform to ASTM C494, Type A and contain no more than 0.05% chloride ions. Acceptable products: Euclid Chemical Eucon series; BASF Pozzolith series; W.R. Grace WRDA or Daracem series.

F. Water-reducing, retarding admixture: Shall conform to ASTM C494, Type D, and contain no more than 0.05% chloride ions. Acceptable products: Euclid Chemical Retarder 75; BASF Pozzolith series; W.R. Grace Daratard 17.

G. High range water-reducing admixture (superplasticizer): Shall conform to ASTM C494, Type F or Type G and contain no more than 0.05% chloride ions. Acceptable products: Euclid Chemical Eucon 37; BASF Rheobuild 1000; W.R. Grace daracem-100.

H. Water-reducing, non-corrosive accelerating admixture: Shall conform to ASTM C494, Type C or E, and contain no more chloride ions than are present in municipal drinking water. The admixture manufacturer must have long-term, non-corrosive test data from an independent testing laboratory (of at least a year's duration) using an acceptable accelerated corrosion test method such as that using electrical potential measures. Acceptable products: Euclid Chemical Accelguard 80/90 or Accelguard NCA; BASF NC534 or Pozzutec 20; W.R. Grace Polarset.

I. Prohibited admixtures:
1. Calcium chloride or admixtures containing more than 0.05% chloride 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. "Eucobar" 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. "Super Rez 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 resins. The dissipating liquid membrane forming curing compound shall meet the requirements of ASTM C309 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 product:
a. "Kurez 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 C309, AASHTO M 148, USDA compliancy 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 product:
a. "Kurez 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 / siliconate 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. "Euco Diamond Hard" by Euclid Chemical - Phil Brandt 877-438-3826
b. "RetroPlate 99" by RetroPlate Systems - Curtis Turnbull 888-942-3144

B. Approval: 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 and polishing process.** Within ten days after completion of work, the approved applicator shall furnish Euclid Chemical or RetroPlate 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 RetroPlate representative for jobsite service. The representative will be on the project site during 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. "Euco QWIKJoint UVR" 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. "CreteFill Pro 75" by CureCrete - Curtis Turnbull 888-942-3144

C. Approval: All general contractors bidding or negotiating a Dollar General project shall contact the Euclid Chemical company 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 and polishing process.**

11) CONCRETE MIXES:

A. Comply with ACI 301 requirements for concrete mixtures.

B. Concrete mix design(s) shall be proportioned 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 to 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 5½" 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 installations. Placement shall be made directly from concrete trucks by chute. If pumping of the concrete is contemplated for any special locations, the proportions 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.

4 Interior concrete sales floor: Concrete shall be designed to meet 4000 psi compressive strength @ 28 days and exhibit <0.04% shrinkage @ 28 days. The mix shall contain approximately 12 cubic feet of #467 aggregate (1-1/2" top size), the specified water reducing admixture and achieve a w/cm ratio of 0.53 (max.). Concrete shall be non air-entrained and in no case shall the concrete be designed for less than 4000 psi (27.6mpa) @ 28 days. Proposed mix design shall be similar to the following

Prototype mix:

Materials	**Prototype mix**
Cement	**517-564lbs.**
Fly ash/slag	**Prohibited**
Coarse aggregate	**12 cubic feet +/- .50 (#467 stone)**
Fine aggregate	**7 cubic feet +/- (adjust as necessary)**
Water content	**250 - 300lbs.**
Air content (Entrapped Air Only)	**3.0% (max.)**
Water Reducer (type a/f)	**3oz.-10oz./100wt +/- (mid range preferred)**
W/cm	**0.53 (max.)**
Initial slump (water)	**3"**
Final Slump (with water reducer)	**5.5" (max)**
Shrinkage	**<0.04% @ 28 days**

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 plane 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 machine 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 diapered 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 slab 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 305 for hot-weather protection and ACI 306 for cold-weather protection during curing. **During concrete placement operations, ventilate and exhaust all fumes from construction equipment and heaters 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:
All **exterior concrete** slabs 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. Surface shall be clean and damp, but not wet and can no longer be marred 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 Rez 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 marred 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 "Kurez DR VOX" (slab first) or "Kurez RC" (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 sawn 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 "Soff-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 dust 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 "diaper" all motorized 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 DENSIFER 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 "fixture 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 joint substrates that could interfere with adhesion of joint filler by brushing, grinding, blast cleaning, mechanical abrading, 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 cleaners 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 jobsite 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 splitting exceeds 1/16," or if surface profile is concave, chattered 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 Kurez DR VOX (slab first) was used to cure the slab, use "Euco Clean & Strip" by Euclid Chemical, applied at the proper water to floor stripper ratio and coverage rate that will completely remove the Kurez DR VOX. Contact: Phil Brandt (877) 438-3826

2. If Kurez RC (slab last) was used to cure the slab, use "Kurez OFF" by Euclid Chemical, applied at the proper water to floor cleaner ratio and coverage rate that will completely remove the Kurez RC. Contact: Phil Brandt (877) 438-3826

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

A. All Applicators 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 tolerances) 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 9 step process outlined below under item K.

E. All other areas will only receive steps 1 through 4, no additional work is necessary. The yellow safety striping will remain.

F. The Black painted border will not be required in areas behind fixtures, etc….it will only be installed at the main entry door, office doors, egress doors and doorways into the receiving area and transitions that can be seen by the customers.

G. Steps 2 & 4 are combo steps using different grits of resin bond diamonds on each pass.

H. This is a "Resin" only grind that does not tear away as much of the surface area. The Resin 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 grind process.

I. If a Cure-n-Seal product is required at the time of slab placement only Water Based Dissipating 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.

L. Process Steps
1. Cut, clean out, prep and fill the concrete floor joints with the Euclid QWIKjoint UVR polyurea joint filler.

2. Grind concrete floor with a combo set of 40/50 grit resin bond diamonds.

3. Grind concrete floor with a combo set of 60/100 grit resin bond diamonds.

4. Thoroughly clean the concrete floor and apply Diamond Hard densifier at 225 square feet per gallon.

5. Polish concrete floor with a combo set 100/200 grit resin bond diamonds.

6. Polish concrete floor with 400 grit resin bond diamonds.

7. Thoroughly clean concrete floor and then apply Diamond Hard densifier at 700 square feet per gallon.

8. Burnish / Polish concrete floor with 800 grit diamond impregnated pads.

9. Burnish / Polish concrete floor with 1500 grit diamond impregnated pads.

L. All edges must be polished to match concrete floor with coinciding SASE 5" resin Polishing pads or HTC EZ Grind polishing 5" diamond tools.

M. Polish results: Perform polishing process to attain an overall gloss reading of ≥35 specified overall gloss value (SOGV) as measured using a Horiba IG-320, and a specified minimum gloss reading of ≥30 minimum local gloss value (MGLV). 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 sealed measurement window located beneath the test unit.

STORE PLANNING Inc
3080 SENNA DRIVE
Matthews, North Carolina 28105
Phone: 704-841-7288
Fax: 704-849-6997

ARCHITECT
14053

"Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland
License Number 14053
Expiration Date 12/27/2022

#	DATE	REVISION

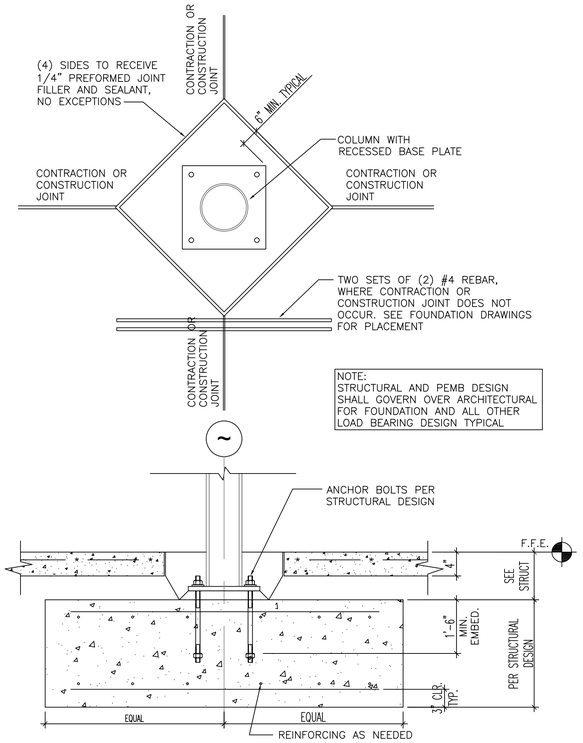
DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
CONCRETE SUMMARY

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
GS2



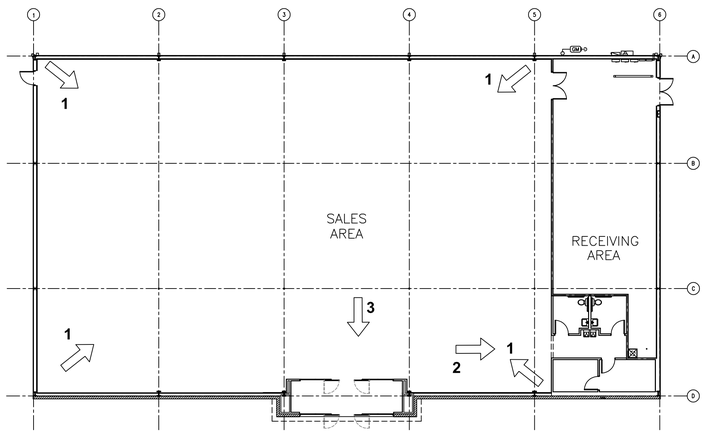
3/S3 COLUMN BASE DETAIL – SECTION

NTS

REQUIRED PHOTOS:

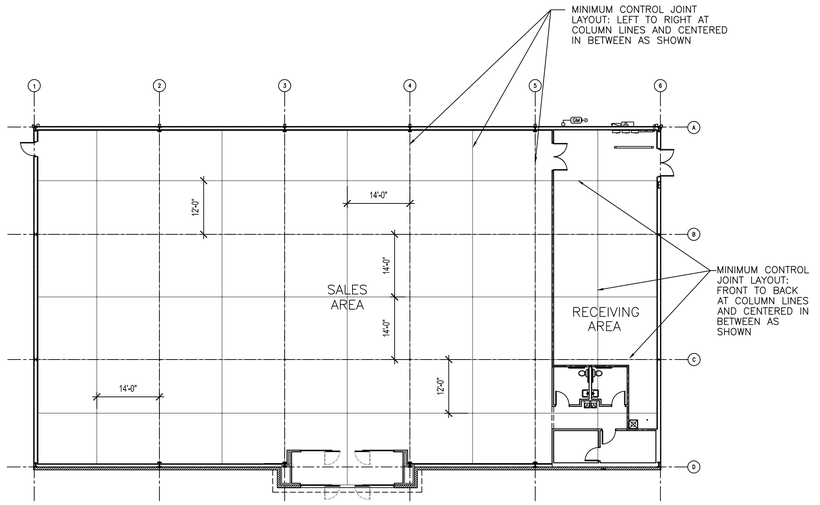
THE FOLLOWING LAYOUT SHOWS THE REQUIRED PHOTOS TO BE TAKEN AT COMPLETION. (MAKE SURE THE OVERHEAD LIGHTS ARE ON FOR YOUR PHOTOS.

1. FROM EACH CORNER OF THE SALES FLOOR, FACING THE OPPOSITE CORNER.
2. HALL (INSIDE ENTRANCE STORES, ONE PICTURE FROM EACH END OF THE HALL).
3. STANDING 10' FROM THE ENTRANCE FACING THE ENTRANCE.



1/GS3 PHOTO KEY PLAN

1/16"=1'-0"



2/GS3 CONTROL JOINT SPACING PLAN

1/16"=1'-0"

STORE PLANNING Inc
3080 SENNA DRIVE
Matthews, North Carolina 28105
Phone: 704-841-7288
Fax: 704-849-6997

ARCHITECT
14053

JAMES T. REESE III
2/16/21
STATE OF MARYLAND

'Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland
License Number 14053
Expiration Date 12/27/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
CONCRETE & COLUMN BASE DETAIL

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
GS3

Statement of Special Inspections

Statement of Special Inspections

Statement Date: 12/16/2021
Project Name: Dollar General - Store #00892
Building Permit Number:
Project Address: Garrett County, Oakland, Maryland
Owner: Oxford Chase Development Company
Architect of Record: James T. Reese, AIA
Structural Engineer of Record: H. Eugene Hunter, PE.
(Design Professional in Responsible Charge (DPIRC))

The following information is being submitted in accordance with the Special Inspection provisions of the Maryland Building Code (IBC 2018). Attached is the Schedule of Special Inspections (SSI) required for this project. This completed form is required to be placed on the drawings for plan review. After permit issuance, a listing of the Special Inspection Firms (SIF) and the Designated Special Inspectors (DSI) for each inspection type will be attached to this form and turned in to the Building Inspector prior to scheduling the Pre-Construction Meeting with The County Code Enforcement. No work is permitted to be performed prior to the Special Inspections Pre-Construction Meeting

This and all subsequent reports, logs, testing results, and other related SI documents shall be turned in to the building inspections office within 10 business days of the even documented. Only documents that are prepared by Authorized Special Inspectors (ASI), and signed/sealed by Designated Special Inspectors (DSI) are valid and are permitted to be turned in to the building inspections office. The DSI will notify the Department upon the discovery of information that would controvert the result of any information reported and update said information within 10 days.

The DSI is responsible for verifying all information on each document prior to signing/sealing and turning it in. The DSI is responsible for verifying each document that is reported to the inspection office is the correct document.

The DSI is responsible for correcting any documents that have incorrect attributes or contain errors, and resubmitting the correct information or document to the inspection office. The DSI is responsible for verifying all ASI's maintain current certifications during the course of the project, as failure to maintain current certifications may result in a voided document. At the conclusion of each individual Special Inspection Item, the DSI will complete a Final Report and turn it in to the DPIRC and the Building Inspector. The DPIRC is responsible for completing the DPIRC Letter at the conclusion of all Special Inspections.

The Special Inspection program outlined herein, does not relieve the Contractor or any other entity of any contractual duties, including quality control, quality assurance, or safety. The contractor is solely responsible for construction means, methods, and job site safety. Failure to adhere to the SI program as outlined herein, may result in a stop work notice being issued by the Department.

Respectfully submitted,
The Design Professional in Responsible Charge,
A. Eugene Hunter Engineer H. Eugene Hunter, Maryland License #21232

Signature 12/16/2021 Date

Owner Authorization

Schedule of Special Inspection Services

Project Name: Dollar General - Store #00892
Date: 12/16/2021
Revised Date:
Building Permit Number:
Project Address: Garrett County, Oakland, Maryland

The construction divisions which require inspections for this project are as follows:

Insure the scope meets IBC Section 1704 (IBC 2018) and other applicable standards for each Inspection Type.

TBD - Indicates that Special Inspections Firm has yet to be determined.

IT-1 Verification of Soils

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	Verification of Soils IBC 1704.7 & Chapter 18	☐	■	TBD	Site prepared per soils report Verify soil bearing pressure.
☐		☐	☐	--	
☐		☐	☐	--	

IT-2 Excavation and Filling

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	Excavation & Filling IBC 1704.7 and 3304	☐	■	TBD	
☐		☐	☐	--	

IT-3 Piling and Drilled Piers

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Piling and Drilled Piers IBC 1704.8-9, 1802.2.4 and 1807-11	☐	☐	--	
☐		☐	☐	--	

IT-4 Modular Retaining Walls

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Modular Retaining Walls IBC 1610 and 1704.13	☐	☐	--	
☐		☐	☐	--	
☐		☐	☐	--	

IT-5 Reinforced Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	Inspection of reinforcing steel, including prestressing tendons, and placements. ACI 318:3.5, 7.1-7.7 1903.5, 1907.1, 1907.7, 1914.4	☐	■	TBD	
☐	Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B, AWS D1.4, ACU 318:3.5.2, 1903.5.2	☐	☐	--	
■	Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased. 1912.5	☐	■	TBD	
■	Verify use of required design mix. ACI 318: Ch. 4, 5.2-5.4, 1904, 1905.2, 1905.4, 1914.2, 1914.3	☐	■	TBD	
■	Sampling fresh concrete and performing slump, air content and determining the temperature of fresh concrete at the time of making specimens for strength tests. ASTM C 172, ASTM C 31, ACI 318: 5.6,5.8, 1905.6, 1914.10	☐	■	TBD	
☐	Inspection of concrete and shotcrete placement for proper application techniques. ACI 318: 5.9, 5.10, 1905.9, 1905.10, 1914.6, 1914.7, 1914.8	☐	☐	--	
■	Inspection for maintenance of specified curing temperature and techniques. ACI 318: 5.11, 5.13, 1905.11, 1905.13, 1914.9	☐	■	TBD	
☐	Inspection of prestressed concrete: (A) Application of prestressing forces. (B) Grouting of bonded prestressing tendons in the seismic-force-resisting system. ACI 318: 18.18, ACI 318:18.18.4	☐	☐	--	
☐	Erection of precast concrete members ACI 318: Ch. 16	☐	☐	--	
☐	Verification of in-situ concrete strength, prior to stressing of tendons in positioned concrete, and prior to removal of shores and forms from beams and structural slabs. ACI 318: 6.2, 1906.2	☐	☐	--	
☐		☐	☐	--	
☐		☐	☐	--	

IT-6 Post Tension Slab-on-Ground & Post Tension Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	All post tensioned concrete design in construction to be in accordance with ACI 318.99, IBC 1704.4 Item 10	☐	☐	--	
☐		☐	☐	--	
☐		☐	☐	--	

IT-7 Precast Concrete Erection

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Precast Concrete Erection, IBC Table 1704.4, Item 9	☐	☐	--	
☐	Precast concrete fabricated in a plant, which is certified, IBC 1704.2	☐	☐	--	
☐		☐	☐	--	
☐		☐	☐	--	

IT-8 Prestressed Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	All prestressed concrete design and construction to be in accordance with ACI 318.99 (IBC)	☐	☐	--	
☐		☐	☐	--	
☐		☐	☐	--	

IT-9 Inspection of Pre-Cast Concrete Fabricators

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Inspection of fabricators to be in accordance with the requirements set forth in the IBC Sec. 1704.2	☐	☐	--	
☐		☐	☐	--	
☐		☐	☐	--	

IT-10 Inspection of Structural Steel Fabricators

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	Welding inspections shall be in compliance with AWSD 1.1 (IBC)	☐	■	TBD	MBMA CERTIFIED
☐		☐	☐	--	
☐		☐	☐	--	

IT-11 Structural Masonry

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	As masonry construction begins, the following shall be verified to ensure compliance: (A) Proportions of site prepared mortar. (B) Construction of mortar joints. (C) Location of reinforcement & connectors. Art. 2.6A, Art. 3.3B, Art 3.4	☐	☐	--	
☐	The inspection program shall verify: (A) Size & location of structural elements. (B) Type, size, & location of anchors, including other details of of anchorage of masonry to structural members, frames or other construction (C) Specified size, grade & type of reinforcement. (D)Welding of reinforcing bars. (E) Protection of masonry during cold weather (temperature below 40-F°) or hot weather (temperature above 90-F°).Section 2108.9.2.8, Item 2, Sec. 2104.3, 2104.4, ACI Sec. 1.15.4, 2.1.2, Sec 1.12, Sec. 2.1.8.6, 2.1.8.6.2), ACI 3.3G, Art. 2.4, 3.4, Art.1.8	☐	☐	--	
☐	Prior to grouting, the following shal be verified to ensure compliance: (A) Grout space is clean. (B) Placement of reinforcement and connectors. (C) Proportions of site-prepared grout. (D) Construction of mortar joints. Sec 1.12, Art. 3.2D, Art. 3.4, Art 2.6B, Art 3.3B	☐	☐	--	
☐	Grout placement shall be verified to ensure compliance with code and construction provisions. Art. 3.5	☐	☐	--	
☐	Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed. Sec. 2105.3, 2105.5, Art 1.4	☐	☐	--	
☐	Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified. Art. 1.5	☐	☐	--	
☐		☐	☐	--	
☐		☐	☐	--	

IT-12 Welding

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Welding inspections shall be in compliance with AWSD 1.1. The base for welding for qualifications shall be AWSD1.1 (12.IBC)	☐	☐	--	
☐		☐	☐	--	
☐		☐	☐	--	

IT-13 High-Strength Bolting and Steel Frame Inspection

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	Installation of high strength bolts shall be inspected in accordance with AISC specifications (ASTM A 325 or ASTM A 490) Bolts must be in accordance with AISC ASD or AISC LRFD	☐	■	TBD	
■	Material verification of high-strength bolts, nuts, and washers. (A) Identification markings to conform to ASTM standards specified in the approved construction documents. (B) Manufacturer's certificate of compliance req. ASTM, AISC, ASD, Sec. A3.3	☐	■	TBD	
■	Inspection of high-strength bolting: Bearing type connections. AISC LRFD Sec. M2.5, 1704.3.3	☐	■	TBD	
☐	Inspection of high-strength bolting: Slip-critical connections. AISC LRFD Sec. M2.5, 1704.3.3	☐	☐	--	
☐	Material verification of structural steel: (A) Identification markings to conform to ASTM standards specified in the approved construction documents. (B) Manufacturer's certified mill test reports. ASTM A 6 or ASTM A 568, 1708.4	☐	☐	--	
☐	Material verification of weld filler: (A) Identification markings to conform to AWS specifications in the approved construction documents. (B) Manufacturer's certificate of compliance required. AISC, ASD, Sec. A3.6 AISC LRFD, Sec. A3.5.	☐	☐	--	
☐	Inspection of welding: (A) Structural Steel. (1) Complete & partial penetration groove welds. (2) Multi-pass fillet welds. (3) Single pass fillet welds 5/16" (7.9 mm). (4) Floor & deck welds. (B) Reinforcing steel. (1) Verification of weldability of reinforcing steel other that ASTM A 706. (2) Reinforcing steel-resisting flexural & axial forces in intermediate & special moment frames, and boundary elements of special reinforced concrete shear walls, and shear reinforcement (3) Shear reinforcement. (4) Other reinforcing steel. AWS D1.1, AWS D1.3, AWS D1.4, ACI 318: 3.5.2, 1704.3.1, 1903.5.2	☐	☐		
☐	Inspection of steel frame joint details for compliance with approved construction documents: (A) Details such as bracing and stiffening. (B) Member locations. (C) Application of joint details at each connection. 1704.3.2	☐	☐	--	

IT-14 Sprayed Fire Resistant Materials

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Spray-applied fire resistant materials, IBC 1704.11	☐	☐	--	
☐		☐	☐	--	

IT-15 Exterior Insulation and Finish System (EIFS)

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	EIFS, IBC 1704.5	☐	☐	--	

IT-16 Seismic Resistance

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	A quality assurance plan with seismic requirements shall be provided in accordance with Section 1705	☐	☐	--	
☐	Architecural components Section 1622.1	☐	☐	--	
☐	Mechanical & electrical components, Section 1707.7	☐	☐	--	

IT-17 Smoke Control

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Inspection of smoke control, IBC 1704.14.2	☐	☐	--	
☐		☐	☐	--	

IT-18 Detention Basin

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Detention basin, IBC 1704.13	☐	☐	--	
☐		☐	☐	--	

IT-19 Special Cases

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
☐	Epoxy Anchor Bolt Installation	☐	☐	--	--
☐		☐	☐	--	--

H. EUGENE HUNTER, P.E.
Consulting Structural Engineer
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Fax: 704-849-6997

REGISTERED PROFESSIONAL ENGINEERS 21232 H. EUGENE HUNTER STATE OF MARYLAND
ISSUED: 12/16/2021

'Professional Certification', I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number 21232
Expiration Date 05/27/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

HEH Job: 4374

DOLLAR GENERAL

SHEET TITLE
STATEMENT OF SPECIAL INSPECTIONS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
S0.1

GENERAL CONDITIONS

1. STRUCTURAL DRAWINGS ARE TO BE USED IN CAREFUL COORDINATION AND IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS DURING ALL PHASES OF THE PROJECT INCLUDING BUT NOT LIMITED TO: PREPARATION OF BIDS AND PROPOSALS, PREPARATION OF SHOP DRAWINGS AND CONSTRUCTION. THE GENERAL CONTRACTOR IS TO PROVIDE A COMPLETE SET OF CONTRACT DOCUMENTS TO SUBCONTRACTORS TO BE USED DURING ALL PHASES OF THE PROJECT.

2. SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATING AND PLACING MATERIALS. SUBMIT STANDARD PDF FORMAT SHOP DRAWINGS. ALL SHOP DRAWINGS ARE TO BE REVIEWED, CORRECTED, STAMPED, & APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT. ALL NECESSARY FIELD VERIFICATION AND OTHER DIMENSIONS AND INFORMATION REQUESTED ARE TO BE CLEARLY MARKED ON THE SHOP DRAWINGS BY THE GENERAL CONTRACTOR. ALL DRAWINGS ARE TO INDICATE CLEARLY THAT THE DRAWINGS HAVE BEEN REVIEWED, CORRECTED AND APPROVED BY THE GENERAL CONTRACTOR. DRAWINGS FAILING TO MEET THIS REQUIREMENT WILL BE RETURNED TO THE CONTRACTOR WITHOUT ACTION BY H. EUGENE HUNTER, P.E.. ALLOW 10 WORKING DAYS FOR REVIEW IN SCHEDULE.

3. ALL DETAILS AND SECTIONS ARE CONSIDERED TYPICAL AND ARE TO BE USED BY THE CONTRACTOR TO DEVELOP COMPLETE DETAILS OF CONSTRUCTION FOR EACH PHASE OF THE WORK. ALL DETAILS OF CONSTRUCTION ARE TO BE REVIEWED PRIOR TO FABRICATING AND PLACING MATERIALS. THE GENERAL CONTRACTOR IS TO COORDINATE STRUCTURAL DRAWINGS WITH ALL PHASES OF CONSTRUCTION.

4. DO NOT SCALE PLANS, DETAILS, AND SECTIONS. IF THERE IS ANY QUESTION ABOUT DETAILS OR DIMENSIONS CONTACT THE ARCHITECT FOR INFORMATION PRIOR TO SUBMITTING SHOP DRAWINGS.

5. DESIGN, DETAILING, AND IMPLEMENTATION OF ALL SHORING AND BRACING REQUIRED FOR THE PROJECT DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

6. GENERAL CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DETAILS IN THE FIELD BEFORE FABRICATING MATERIALS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN ACTUAL EXISTING CONDITIONS AND THOSE ASSUMED IN THE PREPARATION OF DRAWINGS SO THAT NECESSARY MODIFICATIONS CAN BE MADE TO THE DRAWINGS.

7. SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PREPARED BY THE CONTRACTOR, SUBCONTRACTOR, SUPPLIER OR DISTRIBUTOR. REPRODUCTION OF THE CONTRACT DOCUMENTS AS ERECTION PLANS OR DETAILS SHALL NOT BE USED WITHOUT WRITTEN PERMISSION FROM H. EUGENE HUNTER, PE.

8. SHOP DRAWINGS SHALL BE PREPARED USING THE STRUCTURAL DRAWINGS. ANY CHANGES, MODIFICATIONS OR REVISIONS FROM THE STRUCTURAL DRAWINGS SHALL BE NOTED IN WRITING AND APPROVED PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.

9. IT IS ASSUMED THAT THE SELECTED G.C. AND HIS SUB-CONTRACTORS ARE EXPERIENCED AND QUALIFIED FOR THE TYPE OF CONSTRUCTION SHOWN. THE G.C. SHALL PROVIDE ALL SUB-CONTRACTORS WITH ALL RELATED DRAWINGS AND SPECIFICATIONS TO ALLOW COMPLETION OF THEIR WORK. ANY AND ALL QUESTIONS AND CLARIFICATIONS SHALL BE SUBMITTED IN WRITING BY EMAIL TO THE ARCHITECT AND ENGINEER BY THE G.C. ALLOW A MINIMUM OF THREE DAYS FOR WRITTEN RESPONSES.

PROJECT TERMS AND DEFINITIONS

PROJECT TERMS & DEFINITIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, JUNE 15, 2016.

DEFINITIONS SHALL BE AS FOLLOWS:

ARCHITECT/ENGINEER - THE OWNER'S DESIGNATED REPRESENTATIVE WITH FULL RESPONSIBILITY FOR THE DESIGN AND INTEGRITY OF THE STRUCTURE.

CONTRACT DOCUMENTS - THE DOCUMENTS WHICH DEFINE THE RESPONSIBILITIES OF THE PARTIES INVOLVED IN BIDDING, PURCHASING, SUPPLYING AND ERECTING STRUCTURAL STEEL. THESE DOCUMENTS CONSIST OF A CONTRACT, PLANS AND SPECIFICATIONS.

DRAWINGS - SHOP AND FIELD ERECTION DRAWINGS PREPARED BY THE FABRICATOR AND ERECTOR FOR THE PERFORMANCE OF THE WORK.

ERECTOR - THE PARTY RESPONSIBLE FOR THE ERECTION OF THE STRUCTURAL STEEL.

FABRICATOR - THE PARTY RESPONSIBLE FOR FURNISHING FABRICATED STRUCTURAL STEEL.

OWNER - THE OWNER OF THE PROPOSED STRUCTURE OR HIS DESIGNATED REPRESENTATIVES, WHO MAY BE THE ARCHITECT, ENGINEER, GENERAL CONTRACTOR, PUBLIC AUTHORITY OR OTHERS.

PLANS - DESIGN DRAWINGS FURNISHED BY THE PARTY RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.

ONCE THE NOTICE TO PROCEED IS GIVEN BY THE OWNER, THE GENERAL CONTRACTOR IS TO PROVIDE THE STRUCTURAL ENGINEER A WRITTEN ITEMIZED SCHEDULE OF THE SHOP DRAWINGS, SUBMITTAL DATES AND CONSTRUCTION SCHEDULE. THE GENERAL CONTRACTOR SHALL THEN FURNISH THE STRUCTURAL ENGINEER WITH A PROGRESS REPORT EVERY 30 DAYS NOTING ONLY STRUCTURAL ITEMS OF INTEREST.

THE GENERAL CONTRACTOR SHALL FURNISH THE STRUCTURAL ENGINEER WITH A CERTIFIED SET OF FIELD USE DRAWINGS FOR ALL FABRICATED ITEMS. NOTE ALL CHANGED OR REVISED ITEMS THAT DO NOT AGREE WITH THE ORIGINAL CONTRACT DOCUMENTS.

FOUNDATION & SLAB ON GRADE

1. CONCRETE SLAB ON GRADE IS TO BE PLACED ON ENGINEERED, COMPACTED FILL. COMPACTION IS TO BE IN ACCORDANCE WITH STANDARD PROCTOR AT OR NEAR OPTIMUM MOISTURE CONTENT. THE UPPERMOST 1'-6" OF FILL IS TO BE 100% STANDARD PROCTOR, OTHER IS TO BE 95%.

2. A SUBSURFACE INVESTIGATION HAS NOT BEEN PERFORMED FOR THE PROJECT. THE FOUNDATION DESIGN SHOWN IS BASED ON AN ASSUMED SOIL BEARING PRESSURE OF 2000 PSF. THE GENERAL CONTRACTOR IS TO PROVIDE ADEQUATE SOIL TESTING PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER IN ORDER TO VERIFY THE ALLOWABLE BEARING PRESSURE. MODIFICATIONS TO THE DESIGN MAY BE REQUIRED BASED ON THE SUBSURFACE INVESTIGATION AND THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

3. FOOTING ELEVATIONS/DEPTHS HAVE BEEN DEVELOPED USING AVAILABLE SITE INFORMATION. CONTRACTOR IS TO VERIFY ALL FOOTING ELEVATIONS/DEPTHS TO MAINTAIN A MINIMUM 36" OF COVER OVER TOP OF FOOTING OR 36" BELOW GRADE. ALL INTERIOR FOOTINGS ARE TO BE A MINIMUM OF 24" BELOW FINISHED FLOOR ELEV.

4. POLY FIBER SLAB REINFORCEMENT SHALL NOT BE USED.

CONCRETE & REINFORCING

1. CONCRETE FOR THE PROJECT IS TO BE:

28 DAY COMPRESSIVE

STRENGTH	DENSITY	AIR ENTRAINMENT	USAGE
4000 PSI	150 PCF		FOOTINGS
4000 PSI	150 PCF		SLAB ON GRADE (INTERIOR)
4000 PSI	150 PCF	5 TO 7%	SLAB ON GRADE (EXTERIOR)
4000 PSI	150 PCF	5 TO 7%	BLDG/RET. WALLS

2. CONCRETE SLAB ON GRADE IS TO BE REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE FABRIC PLACED ON SUPPORTS SO THAT THE REINFORCING IS AT THE MIDPOINT OF THE SLAB THICKNESS.

3. REINFORCING STEEL IS TO BE ASTM A615, GRADE 60, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 318. PROVIDE AN ACI TYPE 'A' TENSION SPLICE FOR ALL REINFORCING UNLESS SHOWN OR NOTED OTHERWISE ON THE DRAWINGS.

ALL REINFORCING STEEL LAPS SHALL BE A MINIMUM OF 36 BAR DIA. UNLESS NOTED OTHERWISE, 24" MIN. USE CORNER BARS IN ALL CORNERS OF EACH RUN OF LONGITUDINAL REINFORCING. CORNER BARS SHALL BE THE SAME SIZE AND SPACING AS LONGITUDINAL BARS.

4. CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS NOTED OTHERWISE.

A.	FOOTINGS AND GRADE BEAMS	3 INCHES
B.	BEAMS AND COLUMNS	1 1/2 INCHES
C.	SLABS	3/4 INCHES
D.	SLABS ON GRADE	2 INCHES
E.	BLDG/RETAINING WALLS	2 INCHES

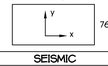
GROUT

1. GROUT UNDER COLUMN BASE PLATES AND BEAM BEARING PLATES IS TO BE PLACED UNIFORMLY UNDER BEARING PLATES TO THE REQUIRED BEARING ELEVATION.

NOTE: FLYASH NOT PERMITTED IN CONCRETE

DESIGN LOADS:

BLDG CODE 2018 MD ADOPTS WITH AMENDMENTS INTERNATIONAL BLDG. CODE, 2018 ED.



BUILDING CLASSIFICATION:
GROUP II (IBC 2018)
GROUP II (ASCE 7-16)

LIVE LOADS:	
LIVE LOAD ROOF	20 PSF
LIVE LOAD SLAB ON GRADE	150 PSF
ROOF DEAD LOAD	2.5 PSF
ROOF COLLATERAL LOAD	2.0 PSF

WIND

BASIC WIND SPEED 110 MPH (3-sec gust)
RISK CATEGORY II ASCE 7-16
EXPOSURE 'C'
BASIC VELOCITY PRESSURE = 27.79 psf

MWFRS
EXPOSURE 'C'
BASIC VELOCITY PRESSURE = 27.79 psf
$q_z = .00256K_zK_{zt}K_d(V)^2$

Kd = .85
V = 115
K_{zt} = 1.0
q_z = 27.79 (K_z)

HEIGHT	q_z	K_z
0-15 feet	25.75 psf	0.85
20 feet	26.9 psf	0.89
25 feet	28.5 psf	0.94

INTERNAL PRESSURE COEFFF. = ±.18

COMPONENTS & CLADDING
$q_z = .00256K_zK_{zt}K_d(V)^2$
BASIC VELOCITY PRESSURE = 27.79 psf

WIND BASE SHEAR
Vx = 13.3 kips, Vy = 24.6 kips

SEISMIC

IBC 2018 WITH LOCAL MD AMENDMENTS

GARRETT COUNTY, MD 21550
SEISMIC USE GROUP II
SEISMIC DESIGN CATEGORY B

BASIC STRUCTURAL SYSTEM:
BUILDING FRAME ORDINARY MOMENT FRAMES (MF)/ORDINARY CONCENTRICALLY BRACED FRAMES (BF)

SITE CLASS D (ASSUMED)

EQUIVALENT LATERAL FORCE PROCEDURE
$V = C_sW$

(MF) R = 3.5, Cd = 3: $C_s = \frac{S_{DS}}{R/I} = \frac{0.104}{3.0/1.0} = 0.035W$

(BF) R = 3.25, Cd = 3.25: $C_s = \frac{S_{DS}}{R/I} = \frac{0.104}{3.25/1.0} = 0.032W$

S_S = 0.097, S_{MS} = 0.155, S_{DS} = 0.104
S_1 = 0.047, S_{M1} = 0.113, S_{D1} = 0.075
Ie = 1.0

DESIGN BASE SHEAR (MF) = 0.035W
DESIGN BASE SHEAR (BF) = 0.032W
SOIL BEARING 2000 PSF (ASSUMED)
ARCH, MECH, COMPTS ANCHORED

ROOF SNOW LOAD ASCE 7

THERMAL FACTOR Ct = 1.0
EXPOSURE FACTOR Ce = 0.9
IMPORTANCE FACTOR Is = 1.0
ROOF SLOPE FACTOR C_s = 1.0
GROUND SNOW LOAD Pg = 25 PSF
FLAT ROOF SL MIN. Pf = $.7C_eC_tP_g$ = 25 PSF

PRE-ENGINEERED METAL BUILDING

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, COORDINATION, FABRICATION, AND ERECTION OF THE PRE-ENGINEERED METAL BUILDING SUPERSTRUCTURE INCLUDING COLUMN BASEPLATES AND ANCHORAGE. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING ASPECTS OF THE METAL BUILDING CONSTRUCTION AND DESIGN CALCULATIONS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS AND CALCULATION SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MD.

2. SHOP DRAWING REVIEW IS FOR CONFORMANCE TO DESIGN INTENT ONLY. THE ARCHITECT AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE DESIGN OF THE METAL BUILDING SUPERSTRUCTURE AS A RESULT OF SHOP DRAWING REVIEW.

3. SUBMIT THREE PRINTS OF SHOP DRAWINGS WITH THREE (3) SETS OF CALCULATIONS.

4. THE LOCATION OF ANCHOR BOLTS, SIZE OF COLUMN BASE PLATES, LOCATION OF GIRTS, ETC. MUST BE VERIFIED AGAINST MANUFACTURER'S FRAMING ARRANGEMENT. ANY DEVIATIONS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ALL SUCH DEVIATIONS MUST BE COORDINATED AND APPROVED BEFORE CONCRETE IS PLACED.

5. MECHANICAL DUCTS AND PIPES ARE SUPPORTED BY THE ROOF GIRDERS & PURLINS. THE ROOF GIRDERS, PURLINS, AND ANY AUXILIARY SHALL BE DESIGNED TO SUPPORT SUCH LOADS. ALL INFORMATION (WEIGHTS AND LOCATIONS) PERTAINING TO MECHANICAL EQUIPMENT SUSPENDED FROM THE BUILDING ROOF SHALL BE SUBMITTED TO THE PRE-ENGINEERED METAL BUILDING ENGINEER FOR APPROVAL.

6. DESIGN LOADS FOR PRE-ENGINEERED METAL BUILDINGS SHALL BE IN ACCORDANCE WITH NOTES ON THIS SHEET AND LOADS NOTED ON PLANS.

7. ANCHOR BOLTS: DIAMETER TO BE COORDINATED WITH BASE PLATE REQUIREMENTS

COLD FORMED METAL FRAMING NOTES:

ALL LIGHT-GAGE METAL STUDS AND/OR JOISTS AND ACCESSORIES SHALL BE OF THE TYPE, SIZE, AND SPACING SHOWN ON THE DRAWINGS, AND SHALL BE MANUFACTURED BY DIETRICH INDUSTRIES, INC. OR APPROVED EQUAL. STUD RUNNER GAGE SHALL MATCH WALL STUD GAGE U.N.O.

ALL MEMBERS SHALL BE CORROSION-RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A446, WITH A MINIMUM YIELD STRENGTH OF 50 OR 33 KSI FOR SJ AND CS-STYLE STUDS, 33 KSI FOR CR-RUNNERS.

CUT ALL FRAMING COMPONENTS SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS, OR, AS REQUIRED, FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS.

STUDS SHALL BE INSTALLED IN A MANNER WHICH WILL ASSURE THAT THEIR ENDS ARE POSITIONED AGAINST THE INSIDE OF THE RUNNER WEB PRIOR TO FASTENING.

FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS AS NOTED ON THE DRAWINGS.

ABUTTING LENGTHS OF RUNNERS SHALL BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT, BUTT-WELDED OR SPLICED.

TEMPORARY BRACING, WHERE REQUIRED, SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.

EXTERIOR WALL STUDS SHALL BE 3⅝" x 1⅝" x 16 GAGE @ 16" oc UNO WITH THE FOLLOWING MINIMUM SECTION PROPERTIES:

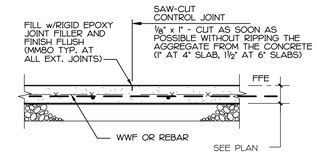
- 1200S-162-54: Ix = 15.703 in.⁴ Sx = 2.622 in.³ Rx = 4.190 in. DESCRIPTION - 12", 16 GA- MIN. 1⅝" FLANGE x ⅝" RETURN-HEADER
- 800S-162-33: Ix = 3.582 in.⁴ Sx = 0.896 in.³ Rx = 2.943 in. DESCRIPTION - 8", 20 GA - MIN. 1⅝" FLANGE x ½" RETURN PURLIN INFILL - SEE 3/S3
- 362S-162-33: Ix = 0.551 in.⁴ Sx = 0.304 in.³ Rx = 1.450 in. DESCRIPTION - 3⅝", 20 GA - MIN. 1⅝" FLANGE x ½" RETURN LOAD BEARING WALLS/CEILING JOIST @ ENTRY
- 362S-162-33: Ix = 0.551 in.⁴ Sx = 0.304 in.³ Rx = 1.450 in. DESCRIPTION - 3⅝", 20 GA - MIN. 1⅝" FLANGE x ½" RETURN TYPICAL INT. WALLS

4" 20 ga STUDS WITH EQUAL PROPERTIES CAN BE SUBSTITUTED FOR 3⅝"

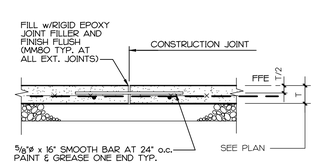
SUBMIT COMPLETE CALCULATIONS AND SHOP DRAWINGS FOR ALL METAL STUD COMPONENTS AND FRAMING. DETAILS SHALL INCLUDE ALL CONNECTIONS AND SPECIFY THE REQUIRED ATTACHMENT FOR THE ABOVE STATED WIND LOADS.

SCHEDULE OF SPECIAL INSPECTION SERVICES

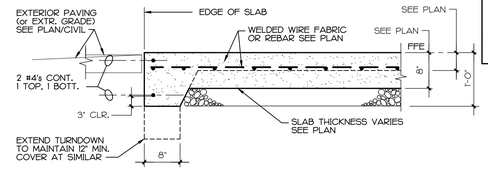
- ☐ No special inspections required for this project
- ■ IT-1 Verification of Soils
- ■ IT-2 Excavation and Fill
- ☐ IT-3 Piling and Drilling Piers
- ☐ IT-4 Modular Retaining Walls
- ■ IT-5 Reinforced Concrete
- ☐ IT-6 Post Tension Slab
- ☐ IT-7 Pre-cast Concrete Erection
- ☐ IT-8 Pre-stressed Concrete
- ☐ IT-9 Inspection of Pre-Cast Fabricators
- ☐ IT-10 Inspection of Structural Steel Fabricators
- ☐ IT-11 Structural Masonry
- ☐ IT-12 Welding
- ■ IT-13 High Strength Bolts & Steel Framing Inspections
- ☐ IT-14 Sprayed Fire Resistance Materials
- ☐ IT-15 Exterior Insulation and Finish System
- ☐ IT-16 Seismic Resistance
- ☐ IT-17 Smoke Control
- ☐ IT-18 Detention Basin
- ☐ IT-19 Special Cases



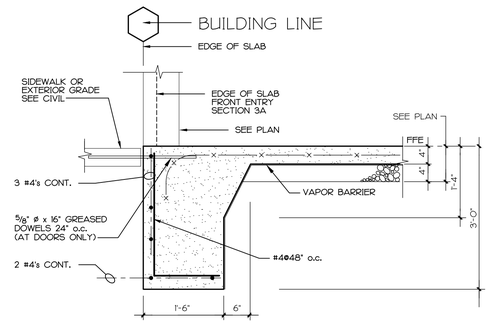
1 SI — TYPICAL SAW CUT JT. — ¾" = 1'-0"



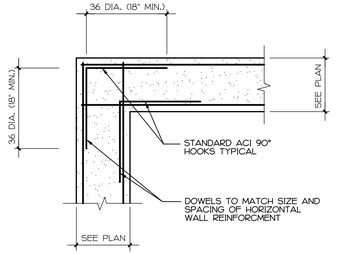
2 SI — TYPICAL CONST. JT. — ¾" = 1'-0"



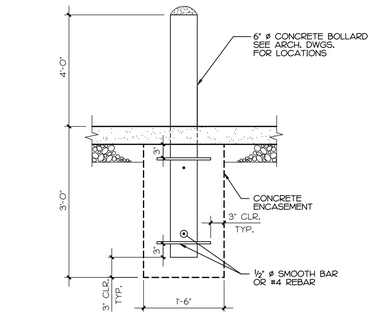
3A SI — SECTION @ EXT. SLAB — ¾" = 1'-0"



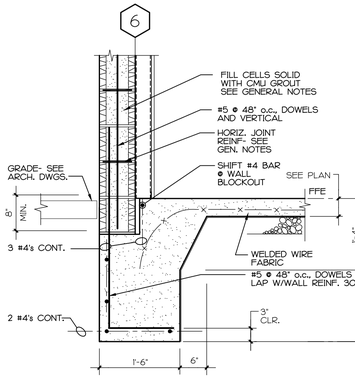
3 SI — SECTION (OPTION) — ¾" = 1'-0"



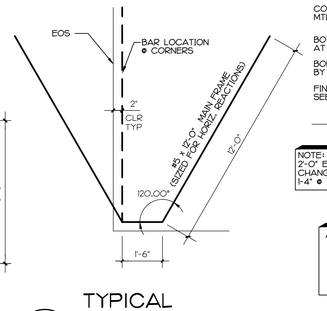
4 SI — SECTION AT TYPICAL WALL/ FTG CORNER BAR DETAILS — ¾" = 1'-0"



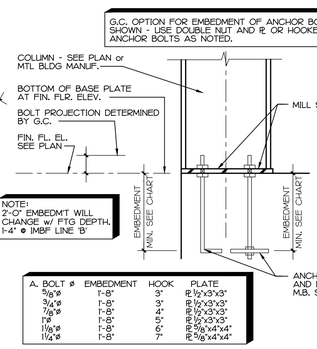
5 SI — TYPICAL BOLLARD DETAIL — ¾" = 1'-0"



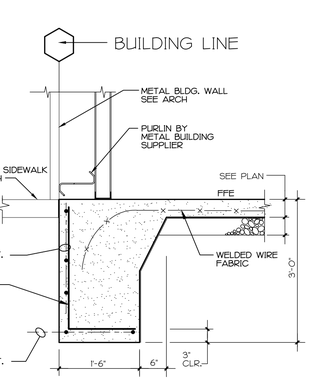
6 SI — SECTION (OPTION) — ¾" = 1'-0"



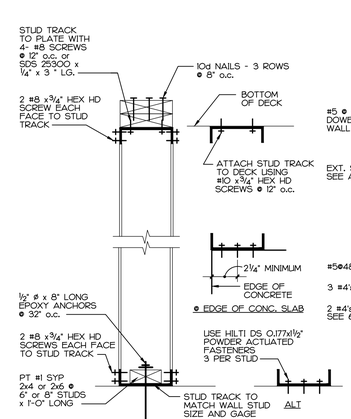
7 SI — TYPICAL HAIRPIN DETAIL — 3/8" = 1'-0"



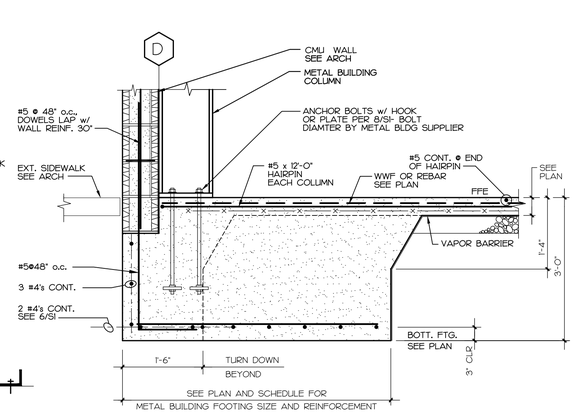
8 SI — ANCHOR BOLT DETAIL — ¾" = 1'-0"



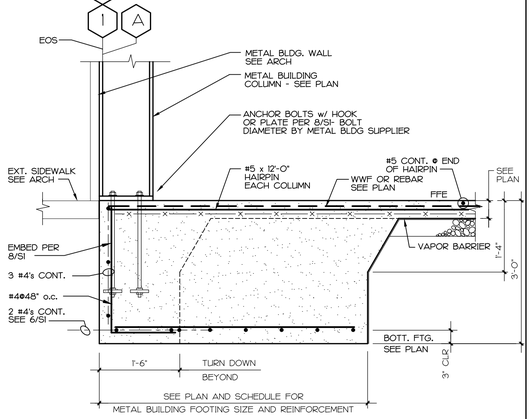
8A SI — SECTION (OPTION) — ¾" = 1'-0"



9 SI — SECTION @ STUD BASE — 1½" = 1'-0"



10 SI — SECTION AT EXTERIOR COLUMN (OPTION) — ¾" = 1'-0"



11 SI — SECTION AT EXTERIOR COLUMN (OPTION) — ¾" = 1'-0"

H. EUGENE HUNTER, P.E.
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Fax: 704-849-6997

REGISTERED PROFESSIONAL ENGINEER — 21232 — H. EUGENE HUNTER — STATE OF MARYLAND

ISSUED: 12/16/2021

'Professional Certification', I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number 21232
Expiration Date 05/27/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

HEH Job: 4374

DOLLAR GENERAL

SHEET TITLE: GENERAL NOTES & SECTIONS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
S1

H. EUGENE HUNTER, P.E.
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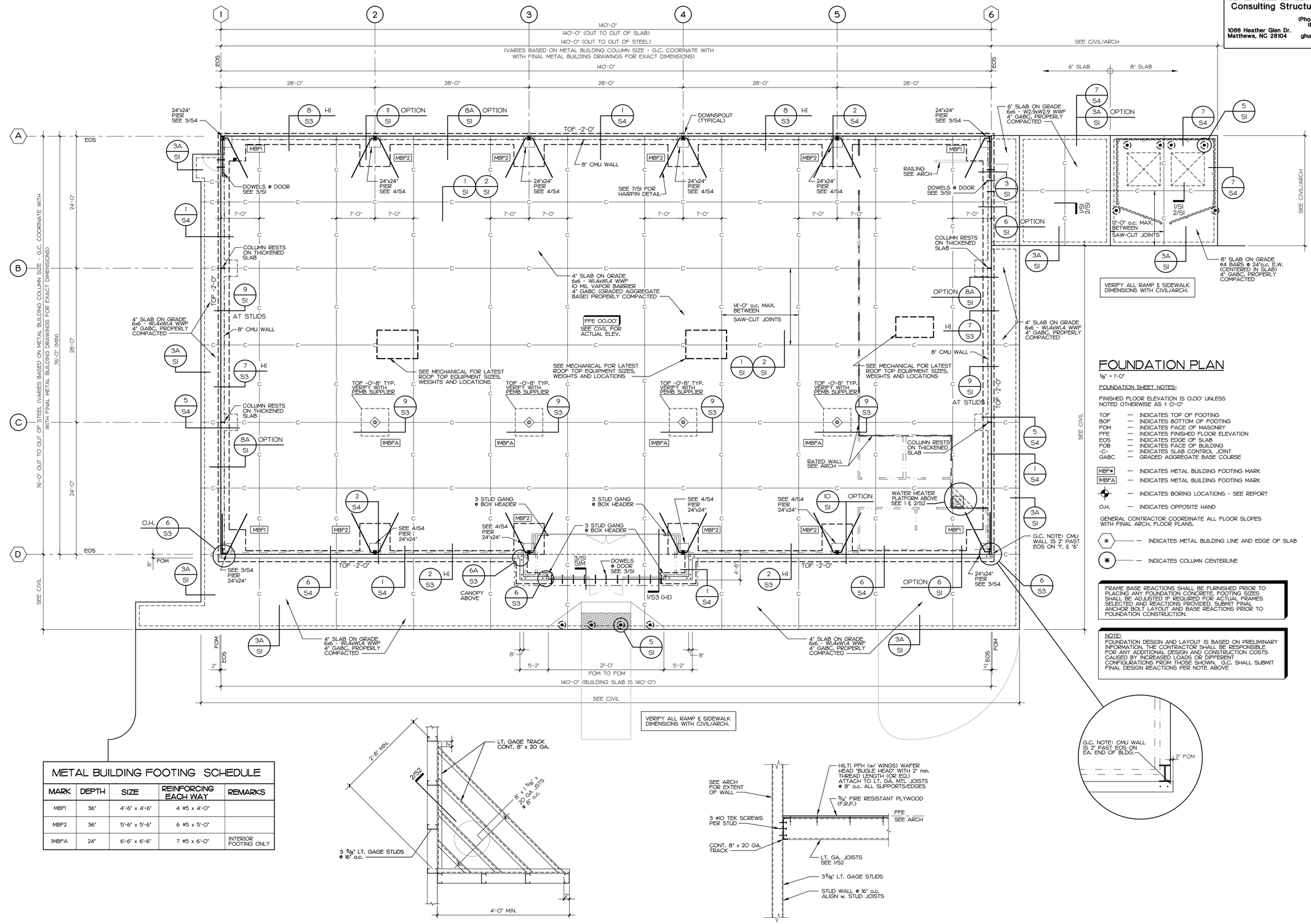

METAL BUILDING FOOTING SCHEDULE

MARK	DEPTH	SIZE	REINFORCING EACH WAY	REMARKS
MBF1	36"	4'-6" x 4'-6"	4 #5 x 4'-0"	
MBF2	36"	5'-6" x 5'-6"	6 #5 x 5'-0"	
IMBFA	24"	6'-6" x 6'-6"	7 #5 x 6'-0"	INTERIOR FOOTING ONLY

1/S2 WATER HEATER PLATFORM PLAN
3/4" = 1'-0"

2/S2 PLATFORM SECTION
3/4" = 1'-0"

FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION SHEET NOTES:

FINISHED FLOOR ELEVATION IS 0.00' UNLESS NOTED OTHERWISE AS ± 0'-0"

TOF — INDICATES TOP OF FOOTING
BOF — INDICATES BOTTOM OF FOOTING
FOM — INDICATES FACE OF MASONRY
FFE — INDICATES FINISHED FLOOR ELEVATION
EOS — INDICATES EDGE OF SLAB
FOB — INDICATES FACE OF BUILDING
-C- — INDICATES SLAB CONTROL JOINT
GABC — GRADED AGGREGATE BASE COURSE

MBF# — INDICATES METAL BUILDING FOOTING MARK
IMBFA — INDICATES METAL BUILDING FOOTING MARK
— INDICATES BORING LOCATIONS - SEE REPORT
O.H. — INDICATES OPPOSITE HAND

GENERAL CONTRACTOR COORDINATE ALL FLOOR SLOPES WITH FINAL ARCH. FLOOR PLANS.

— INDICATES METAL BUILDING LINE AND EDGE OF SLAB
— INDICATES COLUMN CENTERLINE

FRAME BASE REACTIONS SHALL BE FURNISHED PRIOR TO PLACING ANY FOUNDATION CONCRETE. FOOTING SIZES SHALL BE ADJUSTED IF REQUIRED FOR ACTUAL FRAMES SELECTED AND REACTIONS PROVIDED. SUBMIT FINAL ANCHOR BOLT LAYOUT AND BASE REACTIONS PRIOR TO FOUNDATION CONSTRUCTION.

NOTE:
FOUNDATION DESIGN AND LAYOUT IS BASED ON PRELIMINARY INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL DESIGN AND CONSTRUCTION COSTS CAUSED BY INCREASED LOADS OR DIFFERENT CONFIGURATIONS FROM THOSE SHOWN. G.C. SHALL SUBMIT FINAL DESIGN REACTIONS PER NOTE ABOVE

STORE PLANNING Inc.
3080 SENNA DRIVE
Matthews, North Carolina 28105
Phone: 704-841-7288
Fax: 704-849-6997

PROFESSIONAL ENGINEER 21232 H. EUGENE HUNTER STATE OF MARYLAND

ISSUED: 12/16/2021

'Professional Certification', I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland. License Number: 21232 Expiration Date 05/27/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

HEH Job: 4374

DOLLAR GENERAL

SHEET TITLE: FOUNDATION PLAN

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
S2

H. EUGENE HUNTER, P.E.
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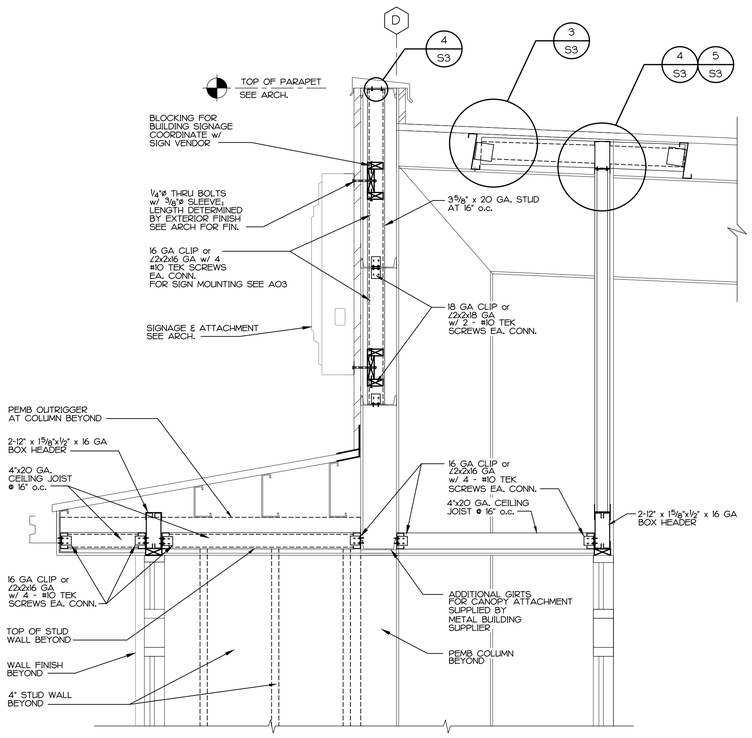
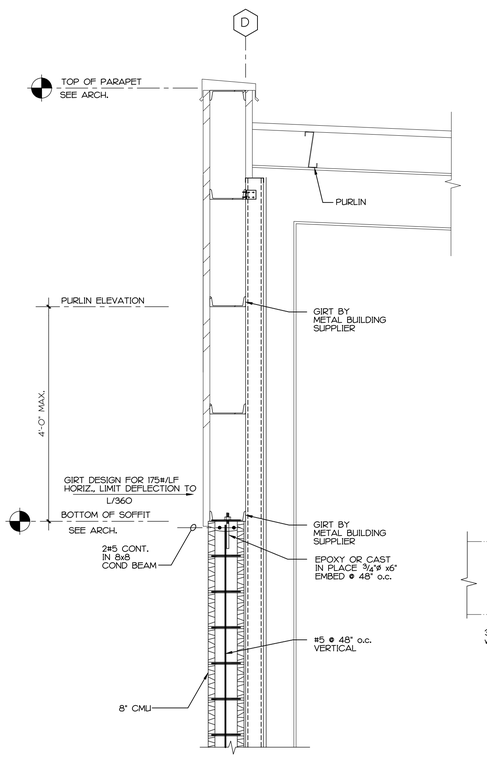
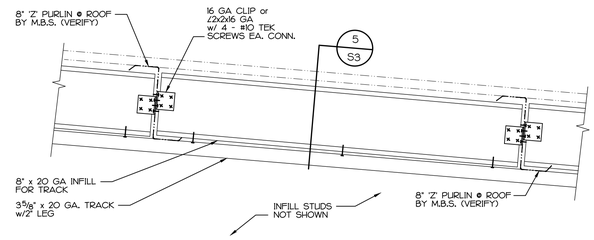


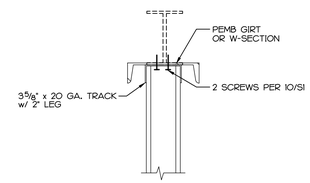
1 S3 SECTION AT STOREFRONT AT ROOF
3/4" = 1'-0"



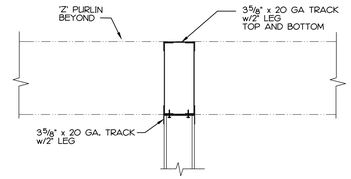
2 S3 SECTION AT ROOF
3/4" = 1'-0"



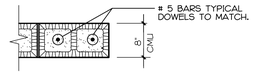
3 S3 DETAIL AT ROOF
1 1/2" = 1'-0"



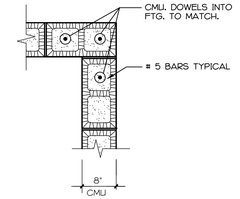
4 S3 SECTION ABOVE ENTRY
1 1/2" = 1'-0"



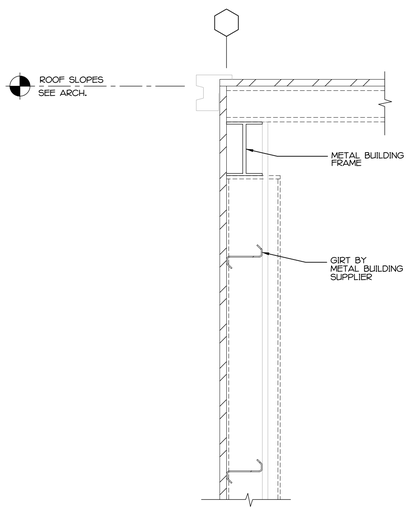
5 S3 SECTION
1 1/2" = 1'-0"



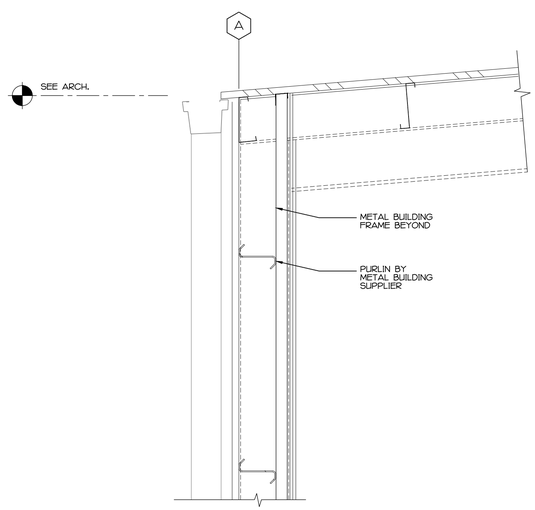
6 S3 TYP. END WALL REINF.
NO SCALE



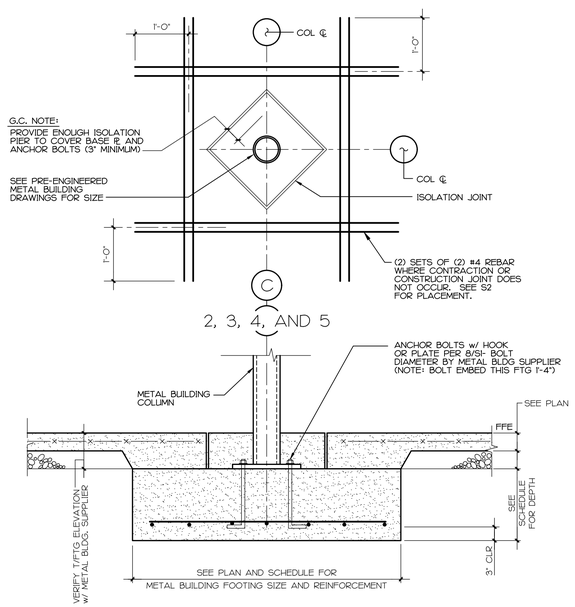
6A S3 TYP. CORNER REINF.
NO SCALE



7 S3 SECTION AT ROOF
3/4" = 1'-0"



8 S3 SECTION AT ROOF
3/4" = 1'-0"



9 S3 SECTION AT INTERIOR COLUMN
3/4" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER 21232 H. EUGENE HUNTER STATE OF MARYLAND

ISSUED: 12/16/2021

'Professional Certification', I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number 21232
Expiration Date 05/27/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

HEH Job: 4374

DOLLAR GENERAL

SHEET TITLE
SECTIONS AND DETAILS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
S3

H. EUGENE HUNTER, P.E.
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(Phone) (704) 574-8083
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1066 Heather Glen Dr. Matthews, NC 28104
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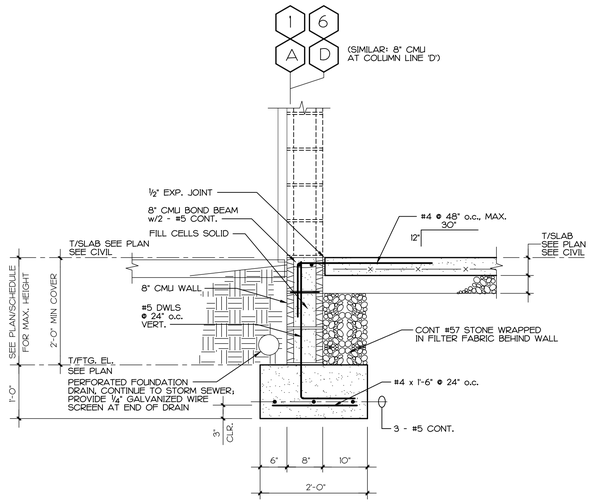
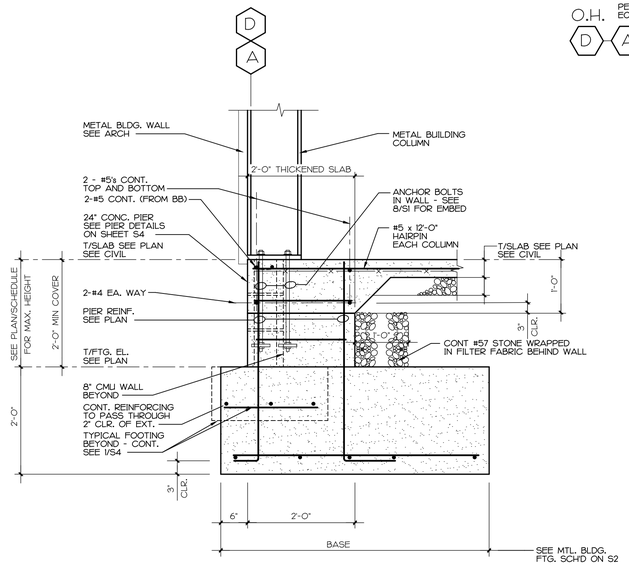
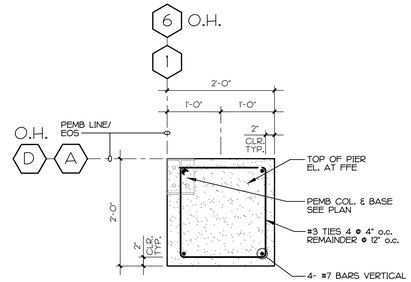


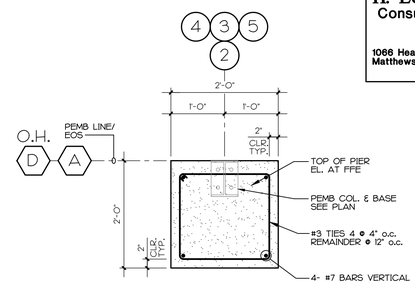
1/S4 SECTION AT BUILDING WALL
3/4" = 1'-0"



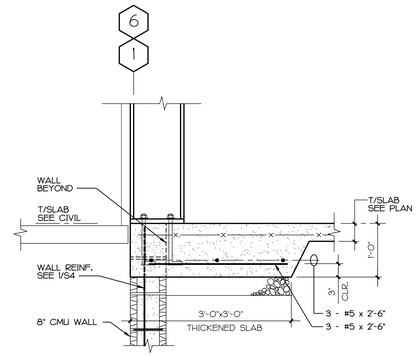
2/S4 SECTION AT EXTERIOR COLS.
3/4" = 1'-0"



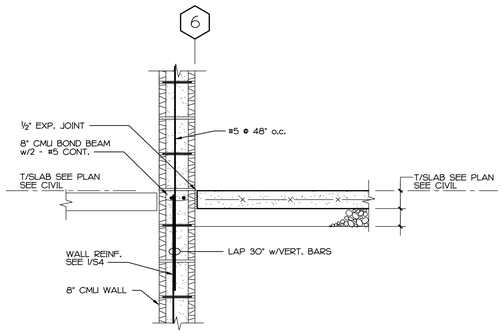
3/S4 PIER DETAIL
3/4" = 1'-0"



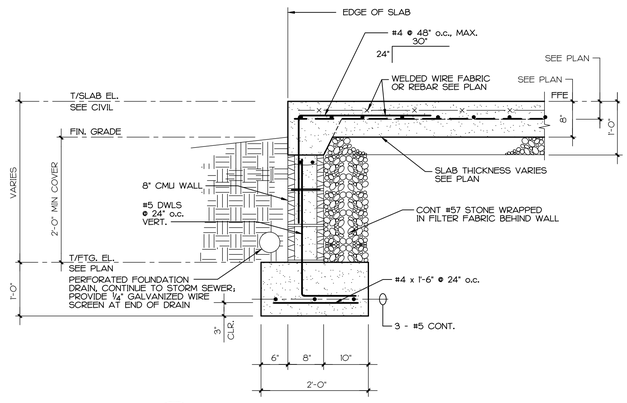
4/S4 PIER DETAIL
3/4" = 1'-0"



5/S4 SECTION
3/4" = 1'-0"



6/S4 SECTION AT BUILDING WALL
3/4" = 1'-0"



7/S4 SECTION AT DUMPSTER PAD
3/4" = 1'-0"

MASONRY

1. ALL CONCRETE MASONRY UNITS ARE TO HAVE A MINIMUM F'm = 1500 PSI (ASTM C90). MASONRY IS TO BE LAID IN TYPE 'S' MORTAR.

2. ANCHOR ALL VENEER WALLS AT A MAXIMUM SPACING OF 16' o.c. UNO, E SPACED VERTICALLY AS FOLLOWS:

WALL CONSTRUCTION TYPE

EXTERIOR WALLS	WALL ANCHORS & HORIZONTAL JOINT REINFORCING
METAL SIDING & 8" MASONRY VENEER	TRUSS TYPE - 3/16 GAGE RODS

NOTE: PLACE WALL ANCHOR @ EACH STUD. FASTEN w/ 2 #10 TEK SCREWS OR AS DIRECTED BY MANUFACTURER.

NOTE: SUBMIT ABOVE FOR APPROVAL PRIOR TO START OF CONSTRUCTION

3. CONNECT ALL MASONRY TO STEEL COLUMNS USING STRUCTURAL TRIANGLE AND WELD ON TIES BY DURO WALL OR EQUIVALENT AT 16" o.c. VERTICALLY.

FILLED-CELL MASONRY

1. MORTAR SHALL CONIFORM TO ASTM C270, TYPE S. GROUT SHALL CONFORM TO ASTM C476-91 (LATEST Ed.). WHERE CELLS OF 8" OR 12" UNITS ARE TO BE FILLED USE PEA GRAVEL CONCRETE.

2. ALL FILLED-CELL MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED WITH GROUT.

3. UNITS SHALL BE LAID WITH FULL FACE SHELL MORTAR BEDS. ALL HEAD (END) JOINTS SHALL BE CONTINUOUSLY FILLED WITH MORTAR FOR A DISTANCE FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. CROSS WEBS ADJACENT TO VERTICAL CORES TO BE FILLED SHALL BE FULLY BEDDED WITH MORTAR TO PREVENT LEAKAGE OF GROUT.

4. BOND OF MASONRY UNITS SHALL BE PROVIDED BY LAPPING UNITS IN ALTERNATE COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE WHEN UNITS ARE LAID IN STACK BOND.

5. ALL MORTAR FINS OR OTHER OBSTRUCTIONS OR DEBRIS SHALL BE REMOVED FROM THE INSIDES OF THE WALLS OF THE CELLS TO BE FILLED WITH GROUT. ALL CELLS TO BE FILLED SHALL BE FILLED SOLIDLY WITH GROUT.

6. THE MASONRY WALLS SHALL CURE AT LEAST THREE DAYS TO GAIN STRENGTH BEFORE POURING OR PUMPING THE GROUT. GROUT SHALL BE PLACED BY PUMPING OR BY AN APPROVED ALTERNATE METHOD, AND NO MORE THAN 1½ HOURS AFTER WATER HAS BEEN ADDED. THE GC HAS THE OPTION TO GROUT WITH IN 24 HOURS, HOWEVER CARE NEEDS TO BE TAKEN TO NOT HAVE BLOW-OUTS DUE TO 'GREEN' MORTAR. ANY FAILURES WILL BE REBUILT AT THE GC's COST.

7. GROUT SHALL BE PLACED IN LIFTS OF 4 FEET MAXIMUM HEIGHT, AND SHALL BE CONSOLIDATED AT TIME OF PLACEMENT BY MECHANICAL VIBRATION, FOLLOWED BY RECONSOLIDATION LATER, BEFORE PLASTICITY IS LOST. WHEN TOTAL GROUT POUR IS TO EXCEED 8 FT. HIGH, IT SHALL BE DONE IN 4 FEET LIFTS. GROUT 'POURS' AND REBAR LENGTHS SHALL BE COORDINATED BY THE GENERAL CONTRACTOR AND CLEARLY SHOWN ON THE REBAR PLACEMENT SHOP DRAWINGS.

MASONRY (CONT.)

8. WHEN GROUTING IS TO BE STOPPED FOR ONE HOUR OR LONGER BETWEEN LIFTS, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR 1" BELOW THE TOP OF THE UPPERMOST UNIT.

9. REINFORCED MASONRY SHALL CONFORM TO ACI/ASCE 530. REINFORCING SHALL BE PLACED AS SHOWN ON THE STRUCTURAL DRAWINGS AND TIED INTO POSITION BEFORE GROUTING OF CELLS.

10. CONTRACTOR TO NOTIFY ARCHITECT A MINIMUM OF THREE DAYS BEFORE GROUTING CELLS OF REINFORCED MASONRY.

GROUT 'POUR':
TOTAL HEIGHT OF MASONRY TO BE GROUTED PRIOR TO ERECTION OF ADDITIONAL MASONRY. A GROUT POUR CAN CONSIST OF ONE OR MORE GROUT LIFTS

GROUT 'LIFT':
AN INCREMENT OF GROUT HEIGHT WITHIN A TOTAL GROUT POUR

- PLACE GROUT WITHIN 1½ HOURS OF MIXTURE WITH WATER.
- PLACE GROUT IN LIFTS NOT TO EXCEED 4'-0".
- CONSOLIDATE GROUT AT TIME OF PLACEMENT BY VIBRATION OR RODDING.

CONTROL/MOVEMENT JOINTS

1. EXPANSION AND CONTROL JOINTS SHALL BE IN ACCORDANCE WITH ASCE 530.1/ASCE 6 SECTION 2.2.6

2. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE FOLLOWING MINIMUM LOCATIONS AND MAXIMUM SPACINGS FOR VERTICAL CONTROL (SHRINKAGE) JOINTS SHALL APPLY. IT IS THE RESPONSIBILITY OF THE ARCHITECT TO SPECIFY LOCATION OF CONTROL/MOVEMENT JOINTS.

A. AT 26 FEET MAXIMUM HORIZONTAL SPACING
B. AT CHANGES IN WALL HEIGHT OR THICKNESS
C. AT CONSTRUCTION JOINTS IN FOUNDATION, ROOF OR FLOORS
D. AT CHASES AND RECESSES FOR PIPING, COLUMNS, FIXTURES, ETC.
E. AT ABUTMENTS OF WALLS AND COLUMNS
F. AT RETURN ANGLES OF "L", "T" OR "U" SHAPED STRUCTURES
G. AT ONE OR BOTH SIDES OF WALL OPENINGS

3. ALL BOND BEAM HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH VERTICAL CONTROL/MOVEMENT JOINTS.

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REGISTERED FOR PROFESSIONAL ENGINEERS 21232 H. EUGENE HUNTER STATE OF MARYLAND

ISSUED: 12/16/2021

'Professional Certification', I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number 21232
Expiration Date 05/27/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

HEH Job: 4374

DOLLAR GENERAL

SHEET TITLE
SECTIONS & DETAILS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
S4

PLUMBING GENERAL NOTES

GENERAL REQUIREMENTS:

1. PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
2. GENERAL AND SPECIAL CONDITIONS ARE HEREBY MADE AN INTEGRAL PART OF THE PLUMBING SPECIFICATIONS INSOFAR AS THE GENERAL AND SPECIAL CONDITIONS ARE APPLICABLE TO THE PLUMBING WORK, UNLESS OTHERWISE SPECIFIED.
3. SCOPE: PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL PLUMBING SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE CODES.
4. PERMITS: APPLY AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION. ACREAGE CHARGES, FACILITIES CHARGES AND BOND PROPERTY ASSESSMENTS ARE NOT TO BE CONSTRUED TO BE A PART OF THIS CONTRACT.
5. WARRANTY: PROVIDE A ONE YEAR WARRANTY, FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER, FOR ALL PLUMBING MATERIALS AND EQUIPMENT.
6. COORDINATE ALL PLUMBING PIPING LOCATIONS, ROUGH-IN LOCATIONS AND EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES. FINAL PIPING AND EQUIPMENT LOCATIONS SHALL BE A CODE COMPLIANT INSTALLATION FOR ALL TRADES.
7. FIELD VERIFY PROPER OPERATION OF EXISTING SYSTEMS BEFORE STARTING CONSTRUCTION. NOTIFY THE ARCHITECT / ENGINEER OF RECORD OF ANY PROBLEMS OR DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS AND/OR ANY POTENTIAL PROBLEMS OBSERVED BEFORE CONTINUING WORK IN THE EFFECTED AREAS.
8. CUT WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF PLUMBING WORK. ALL CUTTING SHALL BE HELD TO A MINIMUM. PATCH AND FINISH SURFACES TO MATCH ADJOINING SURFACES.
9. PLUMBING PLANS SHALL NOT BE SCALED. REFERENCE THE ARCHITECTURAL PLANS FOR ALL LOCATIONS OF PLUMBING FIXTURES, WALLS, DOORS, WINDOWS, ETC.
10. PLUMBING PIPING SHALL BE LOCATED CONCEALED IN WALLS, PARTITIONS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. PLUMBING PIPING IN EXPOSED AREAS SHALL BE RUN TIGHT TO UNDERSIDE OF STRUCTURE.
11. PLUMBING PIPING, VENTS, ETC. EXTENDING THROUGH EXTERIOR WALLS AND/OR THE ROOF SHALL BE FLASHED AND COUNTER FLASHED IN A WATERPROOF MANNER. COORDINATE FLASHING WITH THE GENERAL CONTRACTOR.
12. DO NOT INSTALL PLUMBING PIPING IN AREAS SUBJECT TO FREEZING TEMPERATURES. INSTALL PLUMBING PIPING SHOWN IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.
13. PROVIDE NON-CONDUCTING DIELECTRIC UNIONS WHENEVER CONNECTING DISSIMILAR METALS.
14. ATTACH HANGERS TO STRUCTURE, HANGERS SHALL NOT ATTACH TO THE DECK.
15. PROVIDE ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTORS, TRAP PRIMERS, ETC. CONCEALED IN MASONRY WALLS, GYPBOARD WALLS AND/OR CEILINGS THAT WILL REQUIRE MAINTENANCE ACCESS.
16. PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO: PLUMBING FIXTURES AND EQUIPMENT, FIRE STOPPING, SEISMIC BRACING, PIPE IDENTIFICATION, DOMESTIC WATER SYSTEM, SANITARY WASTE AND VENT SYSTEM, STORM DRAIN SYSTEM, NATURAL GAS SYSTEM

PLUMBING FIXTURES AND EQUIPMENT:

1. PROVIDE COMPLETE PLUMBING FIXTURES AND EQUIPMENT. INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAIL PIECES, ESCUTCHEONS, ETC.
2. PLUMBING FIXTURES AND EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
3. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SUBSTITUTIONS TO SPECIFIED PLUMBING FIXTURES AND EQUIPMENT INCLUDING BUT NOT LIMITED TO; PROVIDING MAINTENANCE ACCESS CLEARANCE, PIPING, ELECTRICAL, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, ETC. AND ANY MODIFICATIONS TO ASSOCIATED MECHANICAL, ELECTRICAL OR PLUMBING SYSTEMS REQUIRED BY THE EQUIPMENTS INSTALLATION INSTRUCTIONS. ALL COSTS ASSOCIATED WITH SUBSTITUTIONS SHALL BE INCLUDED IN THE ORIGINAL BASE BID.
4. ALL HOT, COLD, AND/OR HOT WATER RETURN PIPING ABOVE GROUND AND HORIZONTAL ROOF LEADERS AND ROOF DRAIN BODIES TO BE INSULATED WITH 1" FIBERGLASS INSULATION WITH ASJ JACKET AND PVC FITTING COVERS. ALL JACKETS AND COVERS MUST MEET 25/50 FLAME/SMOKE RATINGS, ASTM E84.

FIRE STOPPING:

1. FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814 AND INSTALL IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE A DEVICE(S) OR SYSTEM(S) WITH AN 'F' RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED. REFER TO ARCHITECTURAL PLANS FOR WALL AND FLOOR TYPES.

SEISMIC BRACING:

1. PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.

PIPE IDENTIFICATION:

1. PIPE IDENTIFICATION SHALL MATCH THE FACILITY'S EXISTING STANDARD. IF NO STANDARD EXISTS, THEN THE PIPE IDENTIFICATION SHALL BE IN ACCORDANCE WITH ANSI A13.1.
2. PROVIDE PIPING LABELS FOR ALL PLUMBING PIPING. PIPING LABELS SHALL BE ACRYLIC FACED, WRAP-AROUND TYPE. EACH LABEL SHALL INDICATE THE PIPING CONTENTS, DIRECTION OF FLOW AND SHALL BEAR THE MANUFACTURER'S STANDARD COLOR FOR THE SERVICE INDICATED.

PLUMBING LEGEND

EXISTING PIPING	NEW PIPING	ABBR.	DESCRIPTION
(E)		CW	COLD WATER PIPING
(E)		HW	HOT WATER PIPING
(E)		HWR	HOT WATER RETURN PIPING
(E)		W	SANITARY WASTE PIPING
(E)		V	SANITARY VENT PIPING
FW(E)	FW	FW	FILTERED WATER PIPING
SD(E)	SD	SD	STORM DRAIN PIPING
ESD(E)	ESD	ESD	EMERGENCY STORM DRAIN PIPING
G(E)	GAS	G	NATURAL GAS PIPING
GW(E)	GW	GW	GREASE LADEN WASTE PIPING
D(E)	CD	CD	CONDENSATE DRAIN
(E)		-	EXISTING PIPING TO BE REMOVED
		-	ELBOW DOWN
		-	ELBOW UP
		-	PIPE CONTINUES
		-	PIPE CAP
		-	BALL VALVE
		CV	CHECK VALVE
		BV	BALANCING VALVE / CIRCUIT SETTER
		-	GAS COCK
		PRV	PRESSURE REDUCING/REGULATING VALVE
		-	SOLENOID VALVE
		RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
		-	IN-LINE PUMP
		-	HW/HWR DIRECTION OF FLOW
		-	PIPE REDUCER
		FCO	FLOOR CLEAN OUT
		WCO	WALL CLEAN OUT
		CO	END OF LINE CLEAN OUT
		YCO	YARD CLEAN OUT
		FD	FLOOR DRAIN
		FS	FLOOR SINK
		RD	ROOF DRAIN
		HB	HOSE BIBB/WALL HYDRANT
		SA	SHOCK ARRESTOR - SUFFIX INDICATES PDI SIZE
		-	THERMOMETER
		-	PRESSURE GAUGE
		TP	TRAP PRIMER
		CTE	CONNECT TO EXISTING
			POINT OF DEMOLITION

ADDITIONAL ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
BAS	BUILDING AUTOMATION SYSTEM
BEL	BELOW
BF	BARRIER FREE
BFF	BELOW FINISHED FLOOR
BTUH	BRITISH THERMAL UNIT / HOUR
CFH	CUBIC FEET PER HOUR
CLG	CEILING
CONT	CONTINUATION
DFU	DRAINAGE FIXTURE UNIT (WASTE)
DN	DOWN
FFE	FINISHED FLOOR ELEVATION
FIN	FINISH
FL	FLOOR
FR	FROM
FU	FIXTURE UNITS
GPM	GALLONS PER MINUTE
HP	HORSE POWER
INV	INVERT ELEVATION
IW	INDIRECT WASTE
KW	KILOWATT
LAV	LAVATORY
MBH	1,000 BTUH
MH	MOUNTING HEIGHT
PH	PHASE
PSI	POUNDS PER SQUARE INCH
SF	SQUARE FEET
T&P	TEMPERATURE AND PRESSURE
TW	TEMPERED WATER
TYP	TYPICAL
UR	URINAL
VB	VACUUM BREAKER
VLV	VALVE
VTR	VENT THRU ROOF
WC	WATER COLUMN
EC	ELECTRICAL CONTRACTOR
FSEC	FOOD SERVICE EQUIP. CONTRACTOR
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR

PLUMBING FIXURE SCHEDULE

MARK	DESCRIPTION	HW CONNECTION	CW CONNECTION	WASTE CONNECTION	VENT CONNECTION	REMARKS
L-1	ADA LAVATORY	1/2"	1/2"	2"	1-1/2"	20"X18" WALL HUNG ADA LAVATORY W/ FRONT OVERFLOW, CONCEALED HANGERS & 4" CENTERS. AMERICAN STANDARD LUCERNE #0355.012 OR EQUAL. FAUCET SHALL BE POLISHED CHROME-PLATED CAST BRASS BODY WITH 4" SPOUT, 4" BRASS WRIST BLADE, 0.5 GPM SPRAY & GRID STRAINER DRAIN. AMERICAN STANDARD MONTERREY #5501.175 WITH WATTS MODEL USG-B-M1 TEMPERING VALVE OR EQUAL. INSULATE EXPOSED DRAIN & WATER PIPES WITH TRUEBRO LAV GUARD KIT #102 E-Z. PROVIDE SUPPLY LINES, STOP VALVES & P-TRAP.
WC1	ADA WATER CLOSET	-	1/2"	4"	2"	FLOOR MOUNTED ADA VITREOUS CHINA ELONGATED 1.28 FLUSH GALLON CLOSE COUPLED TWO PIECE SIPHON JET WATER CLOSET & FLUSH TANK WITH 12" ROUGH-IN, AMERICAN STANDARD CHAMPION PRO "RIGHT HEIGHT" #211AA.104 OR EQUAL. PROVIDE STOP VALVE, FLEXIBLE SUPPLY LINE & OPEN FRONT SEAT (AMERICAN STANDARD #5901.100 OR EQUAL).
WC2	ADA WATER CLOSET RIGHT-HAND TRIP LEVER	-	1/2"	4"	2"	FLOOR MOUNTED ADA VITREOUS CHINA ELONGATED 1.28 FLUSH GALLON CLOSE COUPLED TWO PIECE SIPHON JET WATER CLOSET & FLUSH TANK WITH 12" ROUGH-IN, AMERICAN STANDARD CHAMPION PRO "RIGHT HEIGHT" #211AA.105 OR EQUAL WITH ALTERNATE TANK ASSEMBLY #4266.804 (RIGHT HAND TRIP LEVER). PROVIDE STOP VALVE, FLEXIBLE SUPPLY LINE & OPEN FRONT SEAT (AMERICAN STANDARD #5901.100 OR EQUAL).
EWH-1	ELECTRIC WATER HEATER	3/4"	3/4"	-	-	PROVIDE 10 GALLON ELECTRIC WATER HEATER, 1.65KW @ 120V WITH MANUFACTURER SUPPLIED TEMPERATE AND PRESSURE RELIEF VALVE. (A.O. SMITH #EJC-10, OR EQUAL). SET WATER HEATER TEMPERATURE AT 110°F MAXIMUM. PROVIDE THERMAL EXPANSION TANK. (AMTROL THERM-X-TROL ST-12, OR EQUAL). EXPANSION TANK SUPPORT: IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SUPPORT FOR THE EXPANSION TANK. SUPPORT TO ADJACENT WALL OR FROM EXISTING STRUCTURE ABOVE WITH UNISTRUT. DO NOT SUPPORT FROM PIPE ALONE. PROVIDE DRAIN PAN UNDER WATER HEATER. PROVIDE SEISMIC STRAPPING ON WATER HEATER. TERMINATE (EWH-1) DRAIN LINE IN MOP SINK (MS-1). PROVIDE FULL SIZE T&P RELIEF LINE. REFER TO WATER HEATER DETAIL ON SHEET P2 FOR ADDITIONAL INFORMATION.
FD	FLOOR DRAIN	-	-	3"	2"	ZURN Z415-6B-P 6" ZURN FLOOR DRAIN WITH "TYPE B" ROUND STRAINER AND 1/2" TRAP PRIMER CONNECTION.
TP	TRAP PRIMER	-	1/2"	-	-	PROVIDE PRESSURE DROP ACTIVATED BRASS TRAP SEAL PRIMER, WITH REMOVABLE FILTER SCREEN. MIFAB #M2-500. NO SUBSTITUTIONS. PROVIDE AIR GAP FITTING. MIFAB #MIGAP. NO SUBSTITUTIONS. PROVIDE DISTRIBUTION UNIT, WHERE TRAP PRIMER SERVES MULTIPLE FLOOR DRAINS, MIFAB #MI-DU-500. NO SUBSTITUTIONS.
MSB	MOP SINK	3/4"	3/4"	3"	2"	24" X 24" MOLDED STONE MOP SERVICE BASIN, WITH 3' DRAIN. FIAT #MSB-2424 OR EQUAL. PROVIDE SERVICE FAUCET WITH PAIL HOOK & INTEGRAL VACUUM BREAKER, MOP BRACKET, FLAT STAINLESS STEEL STRAINER AND HOSE & BRACKET. FIAT #830 AA, 889 CC, 1453 BB & 832 AA OR EQUAL. PROVIDE SUPPLY LINES AND P-TRAP.
DF	BARRIER FREE ELECTRIC DRINKING FOUNTAIN	-	1/2"	2"	1-1/2"	TWO-STATION, WALL MOUNTED, ELECTRIC DRINKING FOUNTAIN, BARRIER-FREE ACCESS (ADA), FRONT ONLY EASY TOUCH CONTROL, HIGH UNIT ON RIGHT. ELKAY #EZSTDDLC OR EQUAL. PROVIDE SUPPLY LINE, STOP VALVE & P-TRAP. PROVIDE CANE APRON AS REQUIRED.
FPHB	WALL HYDRANT	-	3/4"	-	-	FREEZE-PROOF WALL HYDRANT WITH BRONZE BODY & ANTI-SIPHON VACUUM BREAKER, BOX AND LOCKING COVER. PROVIDE WITH HOSE CONNECTION AND MOUNT AT 24" ABOVE GRADE. ZRUN #1320 OR EQUAL.
WCO	WALL CLEAN-OUT	-	-	AS SHOWN ON PLANS	-	SIZE & INSTALL AS SHOWN ON PLANS. ZURN Z1441 OR EQUAL.
ECO-1	EXTERIOR CLEAN-OUT	-	-	4"	-	PROVIDE TRAFFIC RATED, 2-WAY, EXTERIOR CLEANOUT, TYLER PIPE #003519, OR EQUAL.
FCO-1	FLOOR CLEAN-OUT	-	-	AS SHOWN ON PLANS	-	PROVIDE ADJUSTABLE FLOOR CLEANOUT WITH WATERTIGHT TAPERED THREADED PLUG AND ROUND SCORIATED SECURED TOP, ADJUSTABLE TO FINISHED FLOOR. SIZE & INSTALL AS SHOWN ON PLANS. JOSAM, ZURN OR EQUAL.

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.
      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.
      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.

GAS LOAD TABLE

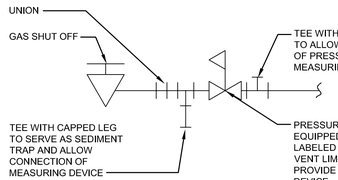
NATURAL GAS
PRESSURE: LESS THAN 2PSI
PRESSURE DROP: 0.5 IN.W.C.
SPECIFIC GRAVITY: 0.60
STEEL (SCHD. 40)
LENGTH: 142 FT
FITTINGS FACTOR: 1.5
EQUIVALENT LENGTH: 250 FT.
CAPACITY OF PIPES IN MBH PER TABLE 402.4(2):

3/4"	63
1"	119
1-1/4"	244
1-1/2"	366
2"	704
2-1/2"	1,120
3"	1,980

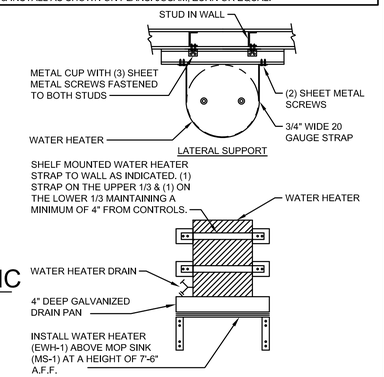
NOTES:
GAS PIPING IS SIZED FOR LESS THAN 2 PSI GAS PRESSURE, PIPING SIZES ARE BASED ON SCHEDULE 40 PIPING. CONTRACTOR SHALL VERIFY SERVICE PRESSURE AND LONGEST RUN LENGTH OF PIPE FROM APPLIANCE TO GAS METER.

NOTIFY ENGINEER IN WRITING IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN.

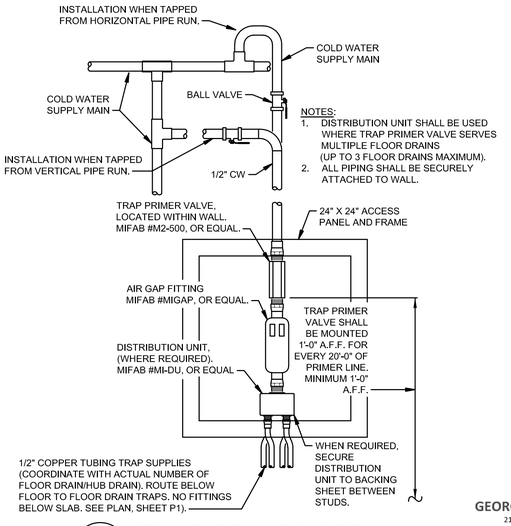
DESCRIPTION	GAS LOAD (CFH)
RTU-1 (NEW)	180
RTU-2 (NEW)	180
RTU-3 (NEW)	67
TOTAL NEW GAS LOAD	427 CFH



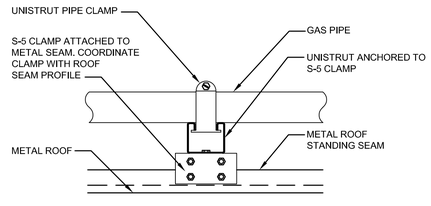
6 P01 GAS PRESSURE REGULATOR PIPING SCHEMATIC
NTS



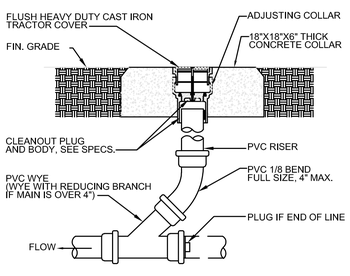
1 P01 TYPICAL WATER HEATER STRAPPING DETAIL
NTS



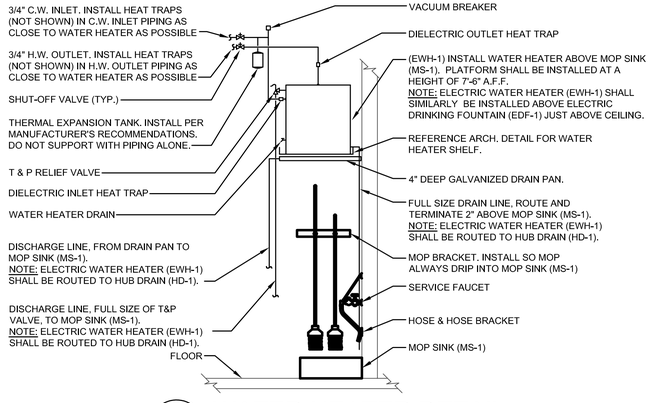
2 P01 TRAP PRIMER DETAIL
NTS



5 P01 ROOF MOUNTED PIPE SUPPORT
NTS



4 P01 YARD CLEANOUT DETAIL
NTS



3 P01 WATER HEATER DETAIL
NTS

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STATE OF MARYLAND — GEORGE WILLIAM AUSTIN JR. — 35735 — PROFESSIONAL ENGINEER — 12/16/21

'Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number 35735
Expiration Date 7/16/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

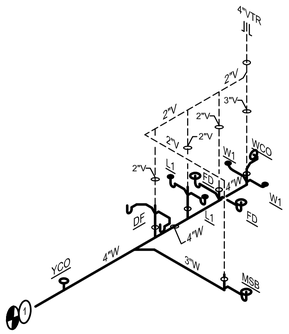
DOLLAR GENERAL

SHEET TITLE
PLUMBING NOTES AND SCHEDULES

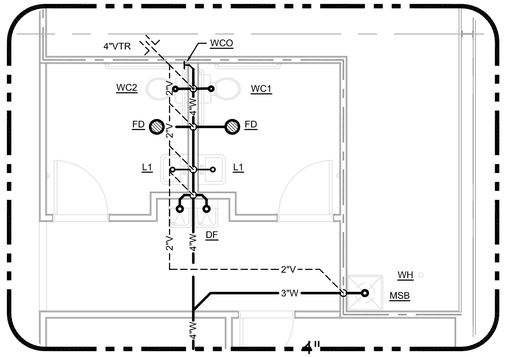
SPI Client	DATE
21052	12-16-21

SHEET NUMBER
P01

SANITARY SEWER NOTES:
1. EWH-1 TO DRAIN INTO MOP SINK (MS-1)
2. REFER TO SHEET P01 FOR ADDITIONAL INFORMATION.

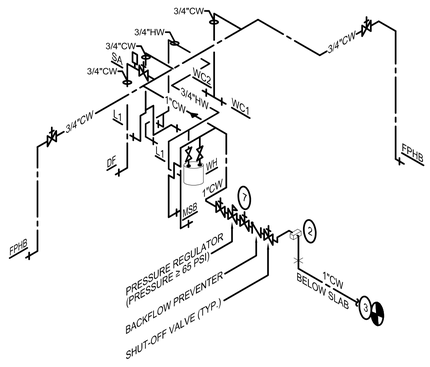


5 P02 **SANITARY WASTE RISER DIAGRAM**
SCALE: NONE

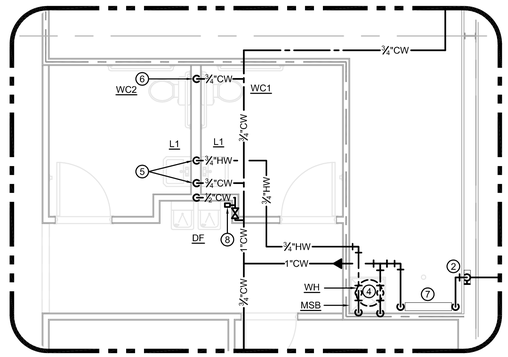


4 P02 **ENLARGED SANITARY WASTE PLAN**
SCALE: 1/4" = 1'-0"

DOMESTIC WATER NOTES:
1. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION OF CONNECTION POINT TO EXISTING DOMESTIC WATER PIPING.
2. PRESSURE REGULATOR TO BE ≥ 65 PSI.



3 P02 **DOMESTIC WATER RISER DIAGRAM**
SCALE: NONE

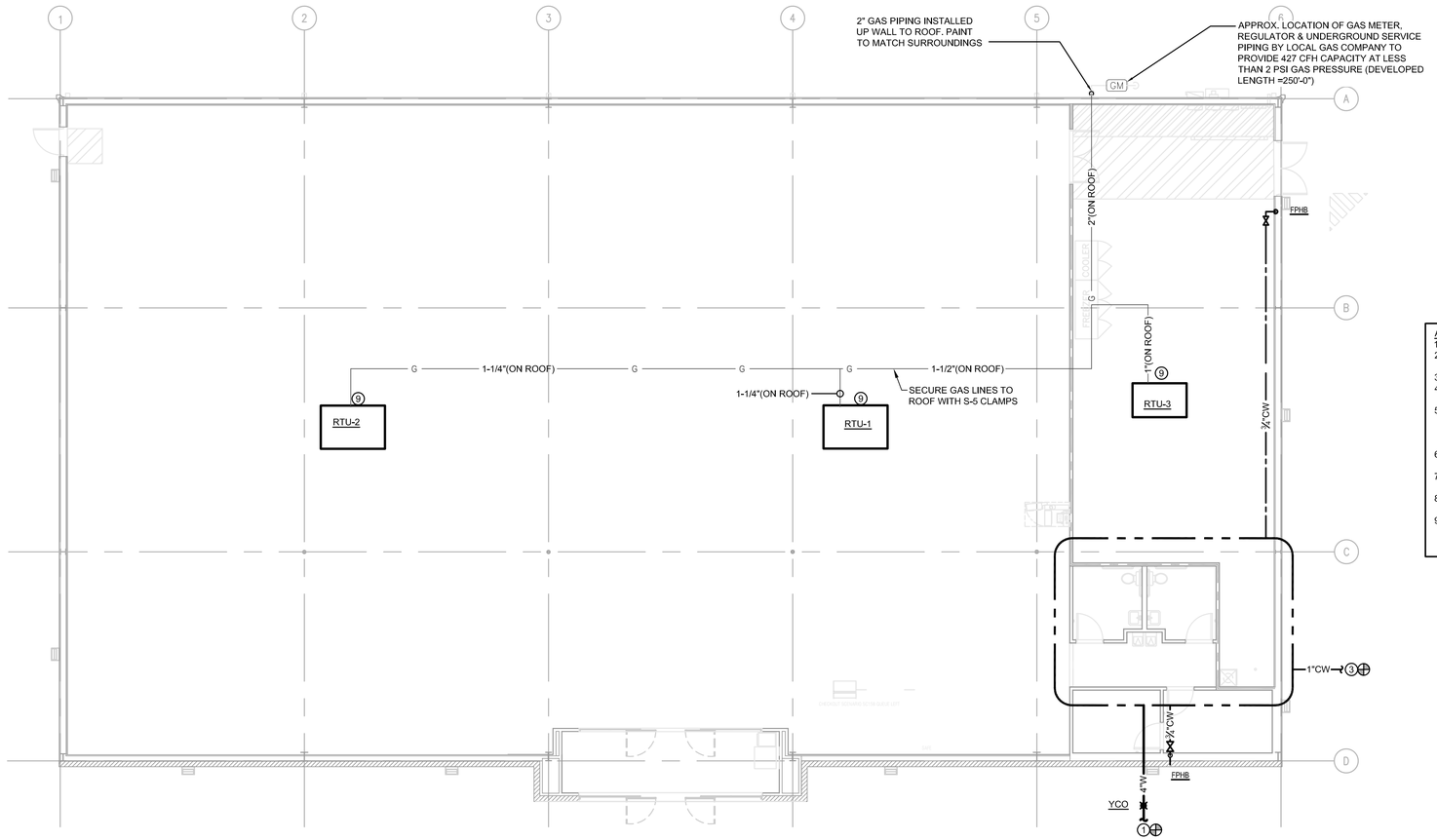


2 P02 **ENLARGED DOMESTIC WATER PLAN**
SCALE: 1/4" = 1'-0"

PLUMBING LEGEND

	DOMESTIC COLD WATER PIPING
	110°F DOMESTIC HOT WATER PIPING
	VENT PIPING
	WASTE (SANITARY SEWER)
G	GAS PIPING
	SHUT-OFF VALVE
	BALANCING VALVE
	CHECK VALVE
	PIPE UP
	PIPE DOWN
	CLEANOUT
	2-WAY CLEANOUT
SA	SHOCK ARRESTOR
P-1	FIXTURE DESIGNATION
AFF	ABOVE FINISHED FLOOR
PC	PLUMBING SUB-CONTRACTOR
GC	GENERAL CONTRACTOR
MC	MECHANICAL SUB-CONTRACTOR
EC	ELECTRICAL SUB-CONTRACTOR
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
YCO	YARD CLEAN OUT
FPHB	FREEZE PROOF HOSE BIBB
FD	FLOOR DRAIN
CW	COLD WATER
HW	HOT WATER
	CONNECT NEW TO EXISTING

NOT ALL SYMBOLS/ABBREVIATION FROM THIS LEGEND WILL APPEAR IN DRAWING.



1 P02 **PLUMBING PLAN**
SCALE: 1/8" = 1'-0"

ADDITIONAL NOTES:
1. PUBLIC SANITARY SEWER CONNECTION REQUIRED.
2. SEPTIC SYSTEM NOT ALLOWED UNLESS WRITTEN APPROVAL BY DOLLAR GENERAL STORE DESIGN.
3. HOLDING TANK SYSTEMS NOT ALLOWED.
4. LIFT STATIONS ARE NOT ALLOWED WITHOUT DOLLAR GENERAL APPROVAL.
5. CONTRACTOR RESPONSIBLE FOR ALL PUBLIC UTILITY CONNECTIONS (GAS , WATER, ELECTRIC, SEPTIC) AS WELL AS INFRASTRUCTURE REQUIRED BY UTILITY COMPANY.
6. PROVIDE WALL MOUNTED CLEAN OUTS AT LAVATORIES.
7. CONTRACTOR TO COORDINATE WATER METER SIZES WITH LOCAL WATER COMPANY AND CIVIL.
8. PROVIDE REGULATOR, DIELECTRIC UNION AND DRIP LEG AS REQUIRED AT EACH GAS UNIT.
9. ROUTE RTU CONDENSATE LINE TO SPILL INDIRECTLY TO MOP SINK. PITCH PIPE WITH ROOF SLOPE (TYP.).

PLUMBING NEW WORK NOTES

1. NEW 4"WASTE PIPING EXITS BUILDING AT THIS APPROXIMATE LOCATION. COORDINATE 4"WASTE TIE-IN WITH CIVIL DRAWINGS. PROVIDE EXTERIOR CLEANOUT WITHIN 5' FROM BUILDING'S EXTERIOR. INVERT = -2.5' BFF.
2. 1" CW UP IN WALL WITH VALVE AND LOCKABLE ACCESS PANEL.
3. 1" DOMESTIC WATER SERVICE AND METER. SEE WATER DIAGRAM FOR PIPE ROUTING. WATER LINE SHALL BE ROUTED ON WARM SIDE OD INSULATED FURRED WALL. SEE CIVIL DRAWINGS FOR CONTINUATION.
4. NEW WATER HEATER EWH-1 TO BE MOUNTED ON PLATFORM ABOVE MOPSINK. ¾"CW IN, ¾"HW OUT, 1" DRAIN PIPED DOWN TO MOP SINK BELOW. SEE DETAILS.
5. ¾"CW AND HW PIPING SHALL BE INSTALLED DOWN IN WALL AND SHALL PROVIDE A ½"CW AND HW CONNECTION TO BOTH BACK TO BACK LAVATORIES.
6. ¾"CW PIPING SHALL BE INSTALLED DOWN IN WALL AND SHALL PROVIDE A ½"CW CONNECTION TO BOTH BACK TO BACK WATER CLOSETS.
7. BACK FLOW PREVENTER COMPLIANT WITH LOCAL JURISDICTION AND PRESSURE REGULATOR IF INCOMING PRESSURE EXCEEDS 65PSI. COORDINATE LOCATION FOR DEVICES TO BE INSTALLED WITH ARCHITECT. ROUTE DISCHARGE FROM BACKFLOW PREVENTOR TO MOP SINK BASIN WITH AIR GAP.
8. PROVIDE SHOCK ARRESTOR AT THIS LOCATION. PROVIDE SHUT-OFF VALVE AND ACCESS PANEL FOR SERVICING.
9. PC SHALL VERIFY EXACT LOCATION OF RTU's GAS CONNECTION AND MODIFY PIPING TO MATCH, PRIOR TO INSTALLATION. PROVIDE PRESSURE REGULATOR, SHUT-OFF VALVE, DIELECTRIC UNION, & DRIP LEG AS REQUIRED AT EACH UNIT. SEE DETAILS.

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STATE OF MARYLAND · GEORGE WILLIAM AUSTIN JR · 35735 · PROFESSIONAL ENGINEER · 12/16/21

'Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland License Number 35735 Expiration Date 7/16/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
PLUMBING PLAN AND NOTES

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
P02

PACKAGED DX COOLING GAS HEATING ROOFTOP UNIT SCHEDULE

UNIT NO.	NOMINAL TONS COOLING	AREA SERVED	SUPPLY – FAN DATA					HEATING CAPACITY		COOLING CAPACITY				ELECTRICAL DATA			WEIGHT (LBS.)	MANUFACTURER & MODEL	NOTES
			TOTAL CFM	O/A CFM	EXT. S.P. (IN.WG)	FAN RPM	MOTOR H.P.	INPUT MBH	OUTPUT MBH	TOTAL MBH	SENSIBLE MBH	EAT DB/WB	MINIMUM SEER/EER	VOLT/PH	MCA	MOCP			
RTU-1, 2	12.5	SEE PLANS	5000	SEE M2	0.5	BY MFG	4.5	180	148	145.78	103.10	80/67	10.8 EER	208/3/60	68	80	1276	CARRIER 48TCDD14A3A5	SEE BELOW
RTU-3	3	SEE PLANS	1200	SEE M2	0.5	BY MFG	0.5	67	54	37.07	25.40	80/67	14.0 SEER	208/3/60	22	30	522	CARRIER 48FCDA04A3A5	SEE BELOW

NOTES:

1. PROVIDE WITH FACTORY MOUNTED NON-POWERED GCFI OUTLET.
2. PROVIDE WITH THROUGH THE BASE GAS AND ELECTRIC.
3. INSULATED ROOF CURB MUST BE PURCHASED THROUGH THE ROOF MANUFACTURER, COORDINATE WITH DOLLAR GENERAL REPRESENTATIVE.
4. FACTORY INSTALLED: THRU-THE-BASE CONNECTIONS, BELT DRIVE BLOWER
5. FACTORY FURNISHED FOR FIELD INSTALLATION: ECONOMIZER WITH BAROMETRIC RELIEF FOR RTU-1 AND 2, MANUAL OUTSIDE AIR DAMPER WITH LOCKING QUADRANT FOR RTU-3, DUAL ENTHALPY SENSOR, CONCENTRIC DIFFUSER KIT, SUPPLY AND RETURN AIR SMOKE DETECTORS.

FOR DOLLAR GENERAL NATIONAL ACCOUNT:
973-222-6742
HASAN.KHALIL@CARRIER.COM
BOB.ECKWEILER@CARRIER.COM

FAN SCHEDULE

UNIT DESIG.	SERVICE	AREA SERVED	MANUFACTURER & MODEL #	FAN TYPE & ARRANGEMENT	CFM	S.P.	RPM	MOTOR FLA	DRIVE TYPE	ELECTRICAL DATA		CONTROL SCHEME NOTE	ACCESSORIES NOTES
										HP/WATTS	VOLT/PH		
EF-1, 2	EXHAUST	TOILETS	GREENHECK SP-80-VG	CEILING MNTD FAN	75	0.375"	BY MFG	SEE MANF.	DIRECT	6.1W	115/1ø	A	2-5

NOTES:

1. SCREEN
2. BACKDRAFT DAMPER
3. UL RATED
4. INTEGRAL DISCONNECT SWITCH
5. PROVIDE WITH SPEED CONTROLLER

CONTROL:

A. INTERLOCK WITH LIGHTS (MOTION SENSOR BY EMS)

DIFFUSER SCHEDULE

SYMBOL	CFM	NECK SIZE	MODULE SIZE	FRAME TYPE	PATTERN	DAMPER	MATERIAL	SERVICE	FINISH	MANUFACTURER & MODEL No.	NOTES
(A)	AS NOTED	AS NOTED	AS NOTED	SEE PLANS	LOUVER	YES	ALUMINUM	SUPPLY	NOTE 2	TITUS TDC	1 2
(B)	AS NOTED	BY MANUFACTURER	BY MANUFACTURER	BY MANUFACTURER	CONCENTRIC	BY MANUFACTURER	BY MANUFACTURER	SUPPLY/ RETURN	NOTE 2	CARRIER	1 3

NOTES:

1. DIFFUSER DESIGNATIONS ON PLANS AS FOLLOWS:
   DIFFUSER OR NECK SIZE. / AIR QUANTITY — 9x9 / 250 (A) — DIFFUSER TYPE AS NOTED ABOVE
2. COORDINATE FINISH TO MATCH OR BE ABLE TO MATCH ITS SURROUNDINGS. COORDINATE COLOR WITH ARCHITECT/OWNER.
3. PROVIDE CONCENTRIC DIFFUSER KIT AS SPECIFIED BY DOLLAR GENERAL NATIONAL ACCOUNTS HVAC MANUFACTURER CARRIER. (NO EXCEPTIONS PERMITTED) CONCENTRIC DIFFUSER KIT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONCENTRIC DIFFUSER SHALL BE HARD DUCTED FROM HVAC UNIT. THE USE OF FLEXIBLE DUCT DROPS ARE NOT ALLOWED, NO EXCEPTIONS.

L-1 – EXHAUST LOUVER
RUSKIN MODEL ELF375DX – 12" WIDE x 12" TALL

ELF375DX IS A STATIONARY LOUVER, EXTRUDED ALUMINUM CONSTRUCTION. PROVIDE LOUVER TO MATCH WALL CONSTRUCTION TYPE.

150 CFM (MAX), 0.29 SF, 517 FPM INTAKE VELOCITY, 0.1" PRESSURE DROP, 873 FPM WATER PENETRATION VELOCITY.

PROVIDE LOUVER L-1 WITH: (1) (2) (3)

ACCESSORIES: (1) INSECT SCREEN (2) KYNAR FINISH (3) COLOR AS DIRECTED BY ARCHITECT

MECHANICAL GENERAL NOTES

1. FURNISH ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETE INSTALLATION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH RECOMMENDED PRACTICE AND ALL APPLICABLE CODES.
2. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS & REFLECTED CEILING PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.
3. ALL MECHANICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
4. MECHANICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR, EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER. REFRIGERANT COMPRESSORS SHALL BE GUARANTEED FOR FIVE YEARS.
5. DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL REQUIRED FITTINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TYPE, SIZE AND LOCATION OF ALL AIR DEVICES, DUCTWORK, PIPING AND EQUIPMENT WITH THE CEILING PLAN, LIGHTS, STRUCTURAL ELEMENTS AND OTHER TRADES. CONTRACTOR TO FURNISH AND INSTALL ALL BENDS, OFFSETS, ELBOWS, ETC. AS REQUIRED. VERIFY ALL CLEARANCES PRIOR TO FABRICATING DUCTWORK OR ORDERING EQUIPMENT.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MATERIALS AND INSTALLING THE WORK IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES.
7. DUCTWORK
   A. ALL SUPPLY AND EXHAUST AIR DUCTWORK SHALL BE CONSTRUCTED OF ROUND GALVANIZED SHEET METAL AND FABRICATED ACCORDING TO THE LATEST EDITION OF SMACNA STANDARDS WITH A MINIMUM PRESSURE CLASSIFICATION OF 2", SEAL CLASS C, WITH A MAXIMUM LEAKAGE RATE OF 5%.
   C. ALL DUCT DIMENSIONS SHOWN ARE INTERIOR CLEAR DIMENSIONS.
   D. PROVIDE A MANUAL BALANCING DAMPER AT ALL SUPPLY AND RETURN BRANCH TAKEOFFS.
   E. FLEXIBLE DUCT, IF SHOWN ON DRAWINGS, SHALL BE INSULATED ROUND DUCT WITH AN OUTER GLASS REINFORCED SILVER MYLAR JACKET ENCLOSING MIN. 1-1/2" THICK GLASS FIBER INSULATION AROUND A CONTINUOUS INNER LINER, AND SHALL CONFORM TO THE REQUIREMENTS OF U.L. 181 FOR CLASS 1 FLEXIBLE AIR DUCTS. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 6 FEET. "R" VALUE TO MEET/EXCEED ENERGY CODE (R=6)
   F. ALL SHEET METAL DUCTWORK WITHIN 10' OF THE AIR HANDLING UNIT SHALL BE LINED WITH DUCT LINER. ALL REMAINING SUPPLY, OUTSIDE AIR AND EXTERIOR DUCTS SHALL BE EITHER INTERNALLY LINED OR EXTERNALLY INSULATED WITH DUCT WRAP. PROVIDE AN ADDITIONAL 1-1/2" OF DUCT WRAP AND AN ALUMINUM JACKET FOR ALL EXTERIOR DUCT.
   G. ALL DUCT INSULATION SHALL BE RUN CONTINUOUSLY THROUGH FLOORS AND PARTITIONS.
8. PIPING
   A. CONDENSATE DRAINS SHALL BE SCHEDULE 40 PVC OR TYPE L COPPER WITH SOLDERED JOINTS.
9. INSULATION
   A. DUCT LINER – FIBROUS GLASS DUCT LINER, MINIMUM 1-1/2" THICK WITH R-VALUE TO MEET LOCAL ENERGY CODE, WITH COATED SURFACE EXPOSED TO AIR STREAM. APPLY WITH MECHANICAL FASTENERS AND 100% COVERAGE OF ADHESIVE.
   B. DUCT WRAP – MINERAL FIBER BLANKET, MINIMUM 2" THICK WITH R-VALUE TO MEET LOCAL ENERGY CODE, WITH REINFORCED FOIL AND PAPER VAPOR RETARDANT JACKET. APPLY WITH MECHANICAL FASTENERS AND ADHESIVE.
   C. AIR DISTRIBUTION – INSULATE TOP-SIDE AS REQUIRED PER CODE
10. ALL PIPING, DUCTS, VENTS, ETC., EXTENDING THROUGH WALLS & ROOF SHALL BE FLASHED & COUNTER-FLASHED IN A WATERPROOF MANNER.
11. EXTEND ALL CONDENSATE DRAINS TO GUTTERS AS SHOWN ON DRAWING. DRAINS FROM AHU'S SHALL BE TRAPPED, SLOPE TO MATCH ROOF SLOPE.
12. SEE SHEET EMS-1 FOR THERMOSTAT MOUNTING HEIGHTS AND LOCATIONS.
13. ALL EQUIPMENT SHALL BE INSTALLED PER CODE & MANUFACTURER'S REQUIREMENTS FOR SERVICE AND ACCESS CLEARANCES.
14. ALL EQUIPMENT SHALL BE U.L LISTED.
15. MECHANICAL CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIES INDICATED ON PLANS AND PROVIDE A COMPETE BALANCING REPORT IN ACCORDANCE WITH NEBB OR AABC STANDARDS.
16. ALL CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR.
17. DUCT SMOKE DETECTORS SHALL BE INSTALLED IN THE SUPPLY AND RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS OR DECONTAMINATION EQUIPMENT UPON ACTIVATION THE SMOKE DETECTOR SHALL SHUT DOWN THE AIR HANDLING UNIT.
    * IF THERE IS A FIRE ALARM SYSTEM: DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR, INSTALLED BY THE MECHANICAL CONTRACTOR. ACTIVATION OF A DUCT SMOKE DETECTORS SHALL INITIATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
    * IF THERE IS NOT A FIRE ALARM SYSTEM: DETECTORS SHALL BE FURNISHED AND WIRED AND INSTALLED BY THE MECHANICAL CONTRACTOR ACTIVATION OF A DUCT SMOKE DETECTORS SHALL INITIATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
18. PROVIDE A CLEAN SET OF FILTERS FOR ALL AIR HANDLING EQUIPMENT AT SUBSTANTIAL COMPLETION.
19. MAINTAIN A MINIMUM 10'-0" BETWEEN OUTDOOR AIR INTAKES AND EXHAUST FAN DISCHARGE AND PLUMBING VENTS, ETC. FIELD COORDINATE.
20. ROOF CURBS SHALL HAVE A BASE THAT FITS SLOPE OF ROOF AS REQUIRED. TOP OF CURB SHALL BE LEVEL. SEE STRUCTURAL PLANS FOR SLOPE INFORMATION. THE RESPONSIBILITY OF PROVIDING AND INSTALLING ROOF CURB SHALL BE COORDINATED BETWEEN THE M.C. AND PRE-FABRICATED METAL BUILDING MANUFACTURER.
21. RUN DUCT UP WITHIN STRUCTURE OR THROUGH JOIST WEBS WHERE POSSIBLE & WHERE REQUIRED TO MAINTAIN CEILING HEIGHTS. PROVIDE OFFSETS IN DUCT WHERE REQ'D WITH MAX. 45° ELBOWS. MAKE BRANCH TAPS OFF TOP, SIDES OR BOTTOM AS REQ'D. NO BACK TO BACK 90° ELBOWS ALLOWED.
22. ALL EQUIPMENT SHALL BE LABELED ACCORDING TO NUMBERING / IDENTIFICATION SYSTEM PER PLANS.

MECHANICAL DRAWING INDEX

M1	MECHANICAL NOTES AND SCHEDULES
M2	MECHANICAL PLAN AND NOTES
M3	MECHANICAL DETAILS
EMS1	EMS LOW VOLTAGE PLAN

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STATE OF MARYLAND — GEORGE WILLIAM AUSTIN JR. — 35735 — PROFESSIONAL ENGINEER — 12/16/21

"Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number 35735
Expiration Date 7/16/2022

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
MECHANICAL NOTES AND SCHEDULES

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
M1

TABLE 403.3 OA REQUIREMENTS

ROOM	AREA (SF)	AREA RATE	AREA CFM	PEOPLE CALCULATION BASIS	NO. OF PEOPLE	PEOPLE RATE	PEOPLE CFM	REQUIRED CFM
SALES	8561	0.12 CFM/SF	1028	15 P / 1000 SF	129	7.5 CFM / P	968	1709
STORAGE	1298	0.12 CFM/SF	156	–	–	–	–	156
CORRIDOR / UTILITY	92	0.06 CFM/SF	6	–	–	–	–	6
OFFICE	72	0.06 CFM/SF	5	5 P / 1000 SF	1	5 CFM / P	5	10
BREAK ROOM	89	0.06 CFM/SF	6	50 P / 1000 SF	4	5 CFM / P	20	26

TOTAL OUTSIDE AIR REQUIRED = 1907 CFM

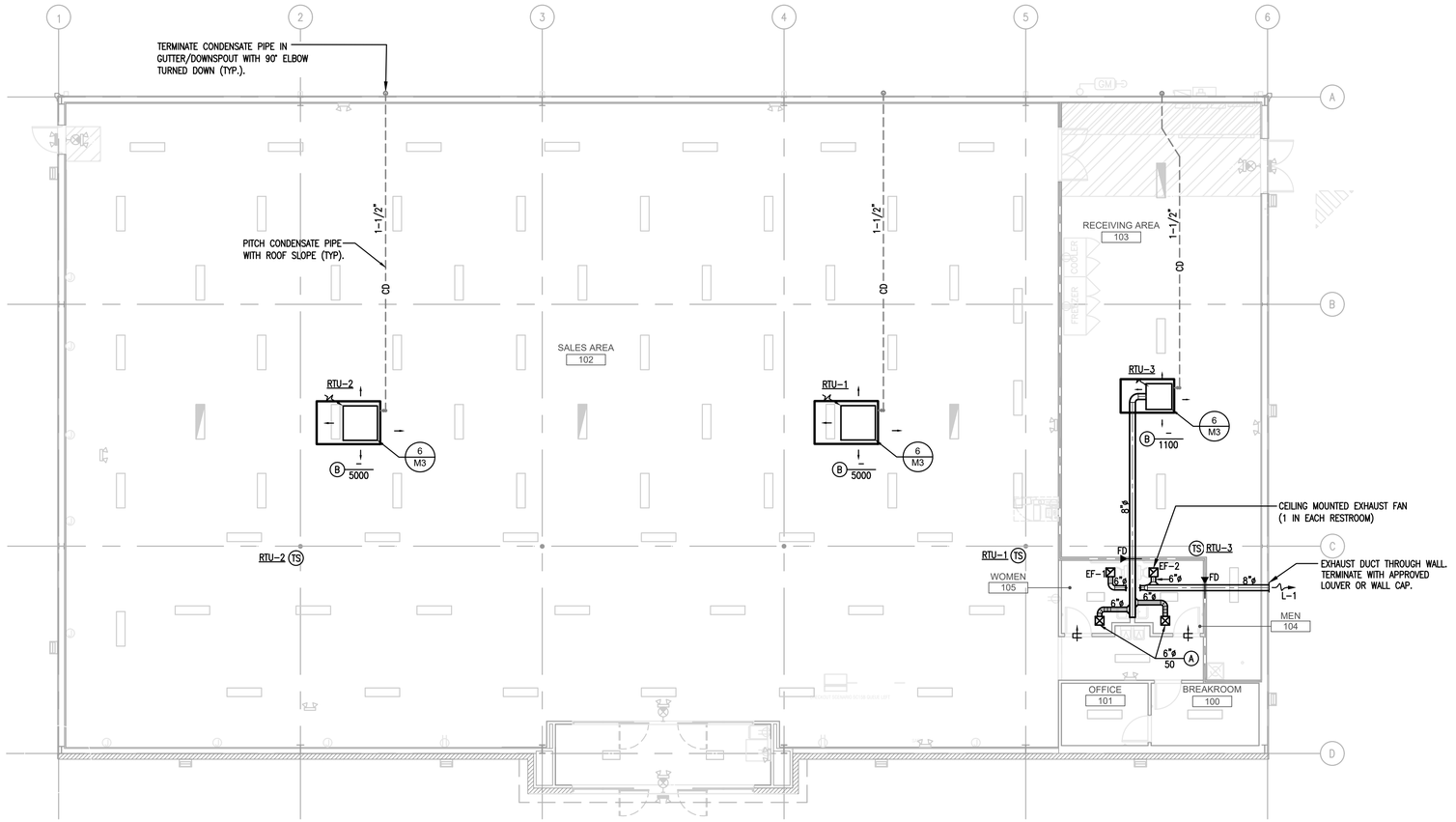
MECHANICAL CONTRACTOR TO ADJUST OUTSIDE AIR QUANTITIES PER THE FOLLOWING SCHEDULE:

RTU-1 = 875 CFM
RTU-2 = 875 CFM
RTU-3 = 160 CFM

TOTAL OUTSIDE AIR PROVIDED = 1910 CFM

MECHANICAL LEGEND

	CEILING SUPPLY AIR DIFFUSER
	CEILING RETURN AIR DIFFUSER
	CEILING EXHAUST FAN
TS	TEMPERATURE SENSOR MTD. @ 8'-0" A.F.F. REFER TO EMS1
	NEW ROUND METAL DUCT
	NEW ROUND FLEX DUCT
	DUCT ELBOW W/TURNING VANES
V.D.	VOLUME DAMPER
	TURNING VANES
RTU	ROOF TOP UNIT
CFM	CUBIC FEET PER MINUTE
AFF	ABOVE FINISHED FLOOR
EER	ENERGY EFFICIENCY RATIO
SP	STATIC PRESSURE
	DOOR UNDER CUT 3/4"
BDD	BACK DRAFT DAMPER
SD	DUCT SMOKE DETECTOR
CD	CONDENSATE PIPE
FD	NEW FIRE DAMPER



1 M2 **MECHANICAL PLAN**
SCALE: 1/8" = 1'-0"

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DOLLAR GENERAL

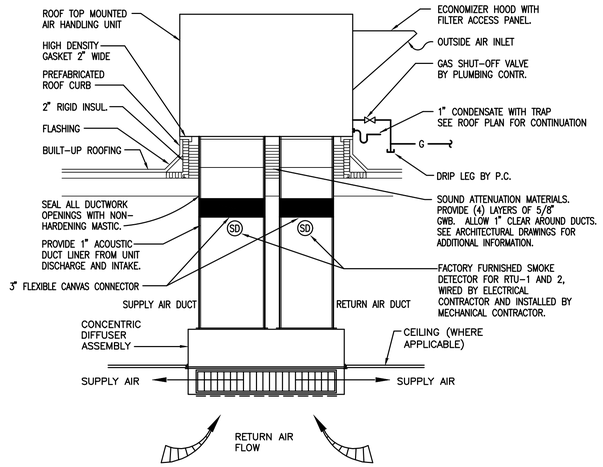
SHEET TITLE
MECHANICAL PLAN AND NOTES

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
M2

NOTES:

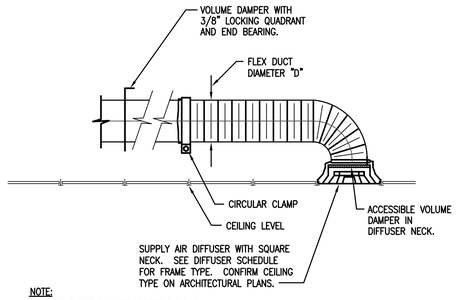
1. PROVIDE OPENING IN ROOF SIZED FOR SUPPLY AND RETURN DUCTS. ALL OTHER AREAS UNDER UNIT SHALL HAVE ANGLES AND SHEET METAL ACROSS UNDER UNIT WITH BATT INSULATION FILLING VOID.
2. ROOF CURBS SHALL MATCH SLOPE OF ROOF. NO SHIMMING WILL BE ALLOWED.
3. MOUNT SMOKE DETECTOR A MAXIMUM 4'-0" ABOVE FINISH CEILING.
4. PROVIDE 8" MINIMUM CLEARANCE FROM BOTTOM OF FLASHING TO HIGHEST POINT OF ADJACENT ROOFING.



NOTE: FULL SIZE DUCT PER CURB OPENING. INSTALL CONCENTRIC DIFFUSER IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

1 M3 ROOFTOP MOUNTED UNIT AND CONCENTRIC DIFFUSER DETAIL

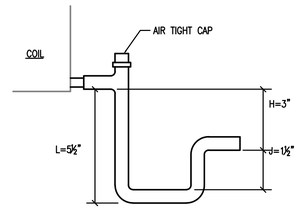
NOT TO SCALE



NOTE:
1. SEE SHEET M1 AND SPECIFICATIONS FOR DUCT INSULATION REQUIREMENTS.

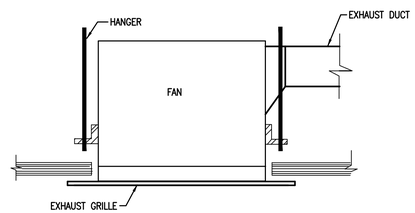
2 M3 SUPPLY AIR DIFFUSER DETAIL

NO SCALE



3 M3 CONDENSATE TRAP

NO SCALE



4 M3 CEILING EXHAUST FAN DETAIL

NOT TO SCALE

5 M3 DUCT SUPPORT STRAP HANGERS

NOT TO SCALE

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.

6 M3 SUPPLY BRANCH CONNECTION

NOT TO SCALE

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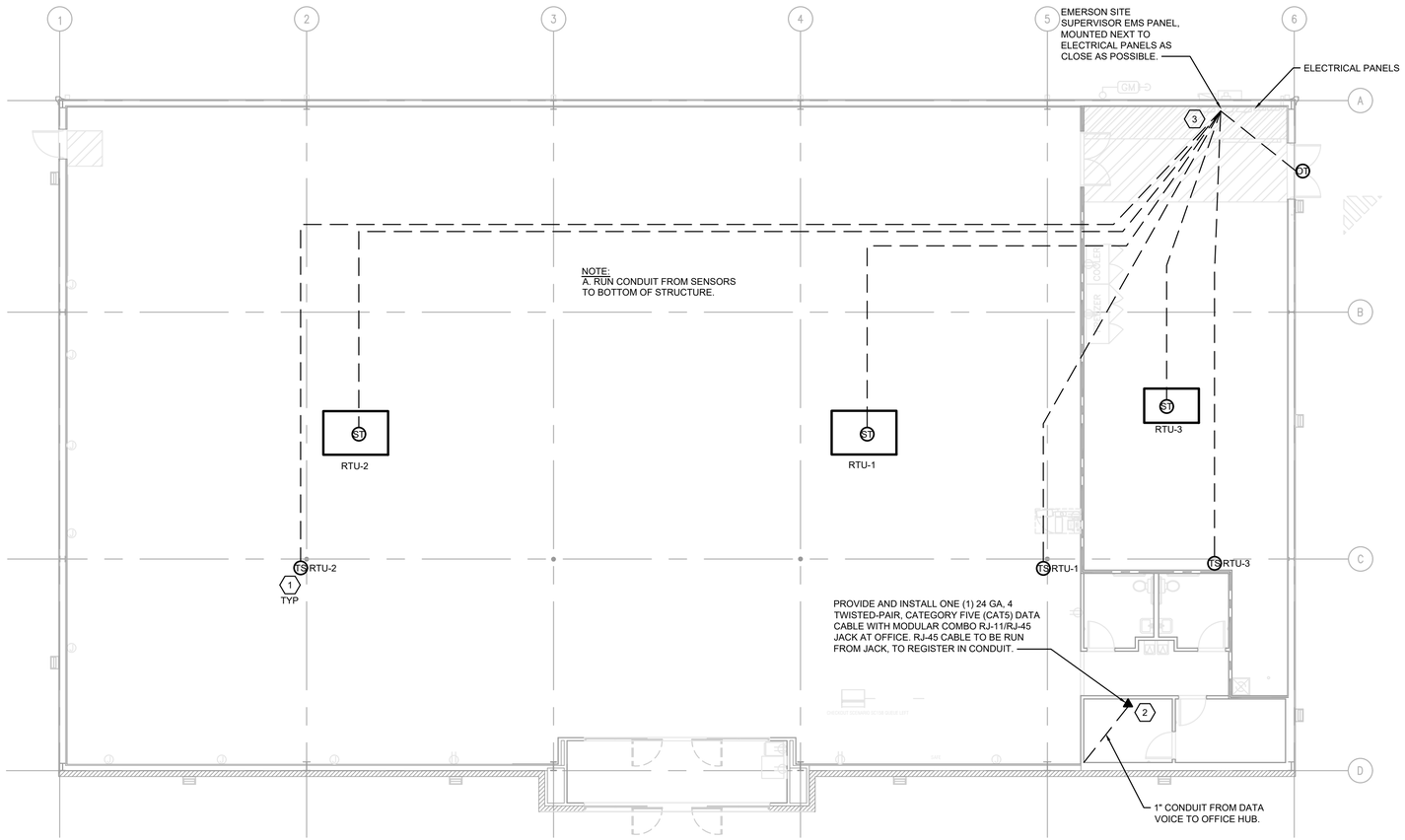
MECHANICAL DETAILS

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
M3



1 EMS1 **EMS LOW VOLTAGE PLAN**
NOT TO SCALE

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

GENERAL NOTES

A. REFER TO E1 FOR GENERAL CONTRACTOR RESPONSIBILITIES. E.C. MAY USE CABLE TRAY FOR LOW VOLTAGE CABLES, SEE 2/E2.

B. RUN CONDUIT FROM SENSORS TO BOTTOM OF STRUCTURE.

SENSOR PLAN KEYED NOTES

1. ALWAYS INSTALL THESE SENSORS AT 8'-0" AFF IF ADDITIONAL HVAC UNITS ARE USED, ADD ADDITIONAL TEMPERATURE SENSORS "TS".
2. 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.
3. EMS REFRIGERATION PANEL CX E2 400. PANEL BY OTHERS. CONNECTION FROM THIS PANEL TO HVAC AND LIGHTING PANEL BY OTHERS. ELECTRICAL CONTRACTOR TO RUN AN EMPTY 1-1/2"C. WITH PULL ROPE BETWEEN THE TWO PANELS.

EMERSON CONTACT

A. PLEASE CONTACT EMERSON FOR FULL DETAILS.

B. CONTACT TONY VERTUCA - NATIONAL ACCOUNT EXECUTIVE (404)824-9389. Tony.Vertuca@Emerson.com

EMS GENERAL NOTES

1. EMS SUPPLIER NOTE: CUSTOMIZED DOLLAR GENERAL EMS PANEL REQUIRES STORE #, CITY, STATE, ZIP CODE & QTY. OF HVAC UNITS OF THE INSTALL SITE WHEN ORDERING. EMS SYSTEMS INSTALLATION GUIDE WITH PHOTOS IS AVAILABLE ON NATIONAL ACCOUNT WEBSITE. ALL QUESTIONS PERTAINING TO THE EMS PANEL, SYSTEM INSTALLATION & SETUP SHOULD BE DIRECTED TO EMERSON'S DOLLAR GENERAL SUPPORT TEAM AT 770-425-2724.
2. ALL SIGN & LIGHTING CIRCUITS MUST BE FED THROUGH THE DESIGNATED CONTACTORS AS NOTED ON THIS PAGE.
3. ALL LOW VOLTAGE HVAC & DOOR SENSORS MUST BE CONNECTED TO THE PROPER TERMINAL. 24 GA. SHIELDED (SHIELD MUST BE GROUNDED) CABLE, BELDEN #8641, 2 CONDUCTOR WIRE OR IT'S EQUIVALENT IS REQUIRED.
4. COOLER & FREEZER HOME RUNS WILL BE TERMINATED AT ALL POINTS BY DOLLAR GENERAL REFRIGERATION DEPARTMENT.

TESTING NOTES

TESTING OF HVAC UNITS THRU EMS PANEL IS ACCOMPLISHED BY SIMPLY WARMING UP OR COOLING DOWN A SPACE TEMPERATURE SENSOR (USING A BLOW DRYER OR ELECTRONIC EQUIPMENT DUSTER AEROSOL) 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 AHU. WHEN COMPLETE, PRESS THE HOME BUTTON TO RETURN TO THE MAIN SCREEN.

CONTROL PANEL NOTES

1. EMS SYSTEM SHOULD BE TESTED FOR HVAC OPERATION, INTERIOR LIGHTING, EXTERIOR LIGHTING AND SIGN LIGHTING PRIOR TO CONTRACTOR'S ELECTRICAL POSSESSION DATE. USE OUTSIDE LIGHT AND SIGN LIGHT OVERRIDE FOR EXTERIOR TESTING.

DEVICE SCHEDULE

SYMB	DESCRIPTION	CABLE TYPE	SUPPLIER	INSTALLER	NOTES
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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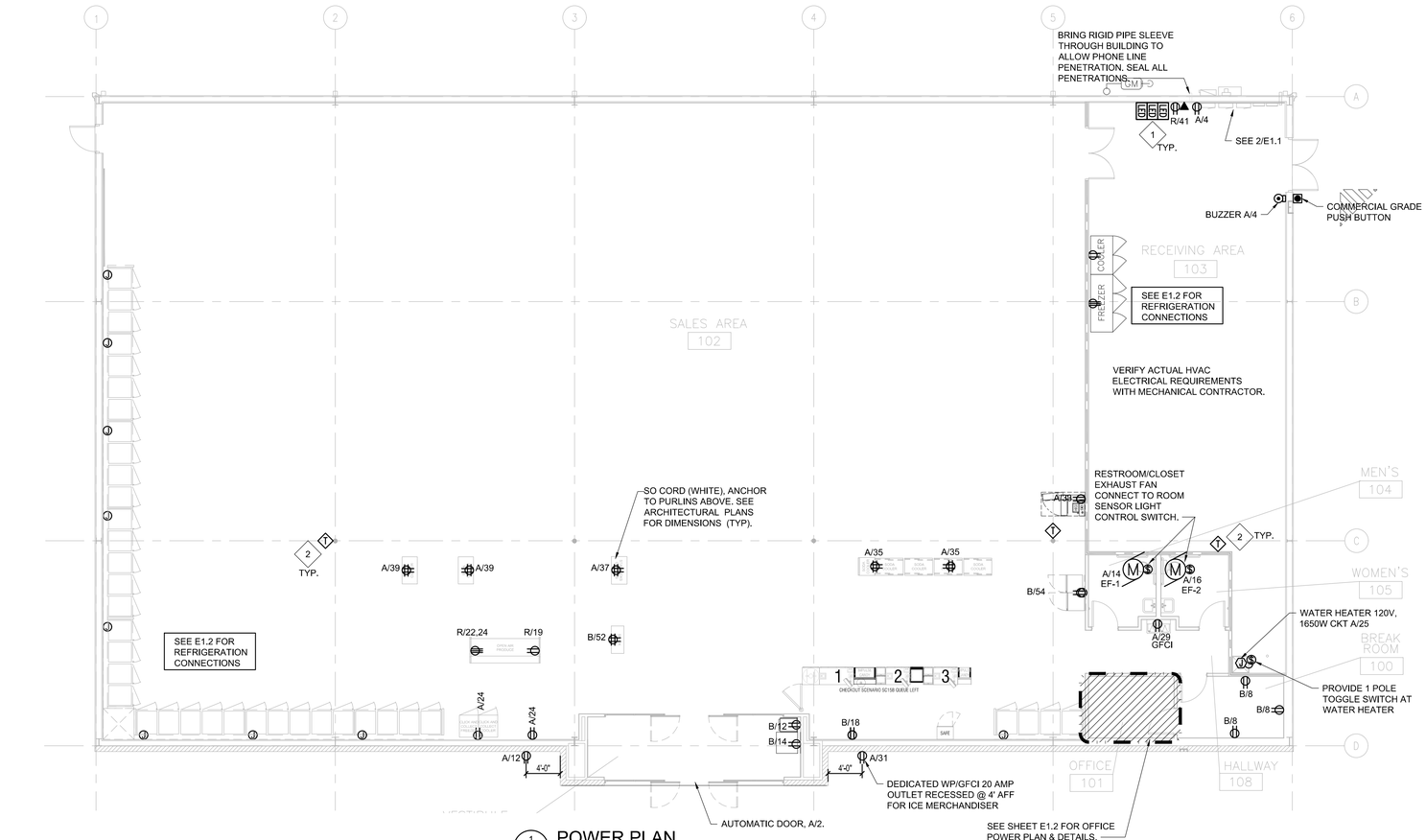
DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
EMS LOW VOLTAGE PLAN

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
EMS1



1 E1.1 **POWER PLAN**
SCALE: 1/8" = 1'-0"

LEGEND

SYMB	DESCRIPTION
	BUZZER - TORK MDL #TA725 W/ TRANSFORMER MDL#TA592
	COMMERCIAL GRADE PUSH BUTTON
A/23	125V NEMA 5-20R DUPLEX, PANEL/CIRCUIT IN PANEL
	125/250V NEMA L14-20-R 4 PRONG TWIST LOCK
	125V NEMA 5-20R QUAD
	DISCONNECT
	BLACK MAGIC POWER POLE
	PHONE JACK
	RJ-11, RJ-45 DATA JACK, PHONE COMBO
A/23	PANEL/CIRCUIT IN PANEL
$m	PROVIDE OCCUPANCY LIGHT SENSOR- LEVITON ODS10-IDW
$	20 AMP TOGGLE SWITCH
NL	NIGHT LIGHT CIRCUIT

ELECTRICAL SPECIFICATIONS

A. ALL WIRING SHALL SHALL BE CONTAINED IN CONDUIT OF PROPER SIZE.

B. ALL WIRING SHALL CONFORM TO LOCAL, STATE AND FEDERAL CODES.

C. SERVICE IS TO BE A MINIMUM 400 AMP, 3 PHASE (PREFERRED), 600 AMP, 1 PHASE OR LARGER IF REQUIRED BY CODE OR ELECTRICAL LOAD.

D. 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 4/E1.1.

E. EXTERIOR EXPOSED PHONE LINES TO BE INSTALLED IN RIGID CONDUIT. PROVIDE EMERSON 3/4" X 5-FT. METALLIC CABLE U-GUARD #755, OR EQUAL..

F. ELECTRICAL PANEL TO BE LABELED CORRECTLY WITH LEGIBLE PRINT.

G. 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.

H. 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.

I. ALL 120 VOLT OUTDOOR RECEPTACLES TO HAVE "WET LOCATION - IN USE" COVERS.

J. ALL CONDUCTORS TO BE COPPER, #12 AWG MINIMUM SIZE, OR AS REQUIRED BY LOAD AND OVER CURRENT PROTECTION.

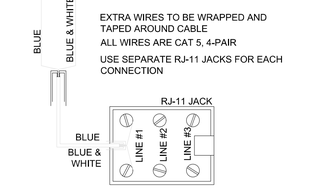
K. SEE EMS SHEETS EMS1 AND EMS2 FOR ENERGY MANAGEMENT SYMBOLS AND INFORMATION.

L. ELECTRICIAN TO PROVIDE 1 1/2" CONDUIT WITH PULL STRINGS FOR SATELLITE LOCATION.

M. ALL POWER AND DATA TO BE ROUTED OVERHEAD, UNDER SLAB NOT ALLOWED.

ELECTRICAL KEYED NOTES

1. TEST/RESET STATION FOR STAND ALONE DUCT DETECTOR. ONE FOR EACH DEVICE, SEE KEY NOTE 3 ON SHEET E1.3. SIMPLEX #4098-9842 IS SPECIFIED, WITH PIEZO AND LED INDICATOR LIGHT.
2. MECHANICAL THERMOSTAT MOUNTED ON COLUMN AT 8'-0" AFF. SURFACE MOUNT BOX AND CONDUIT. STUB CONDUIT AT STRUCTURE.



5 E1.1 **PHONE WIRING SCHEMATIC**
NTS

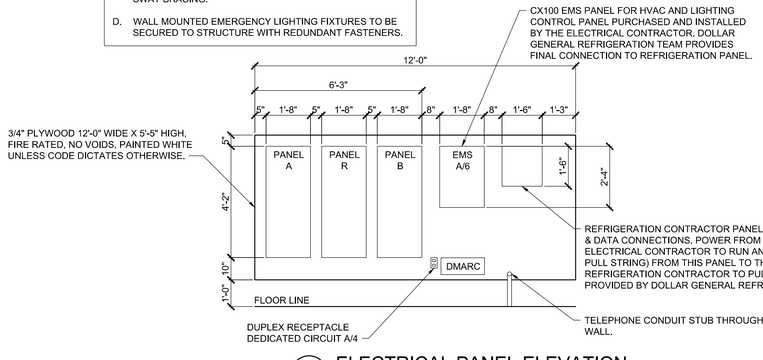
SEISMIC RESTRAINT NOTES

A. OVERHEAD CONDUITS 2.5 INCHES AND GREATER REQUIRE SEISMIC RESTRAINT.

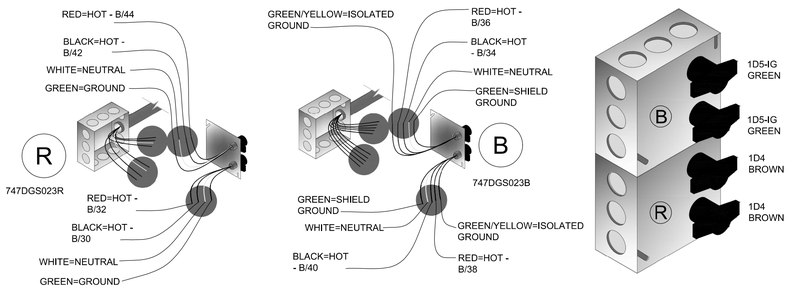
B. LIGHTING FIXTURE SUPPORTS SHOULD CONFORM TO UL 1570 OR 1571, IN ADDITION TO THE REQUIREMENTS OF FEMA 302 AND 303.

C. SUSPENDED TRANSFORMERS TO BE PROVIDED WITH SWAY BRACING.

D. WALL MOUNTED EMERGENCY LIGHTING FIXTURES TO BE SECURED TO STRUCTURE WITH REDUNDANT FASTENERS.



2 E1.1 **ELECTRICAL PANEL ELEVATION**
SCALE: 1/8" = 1'-0"



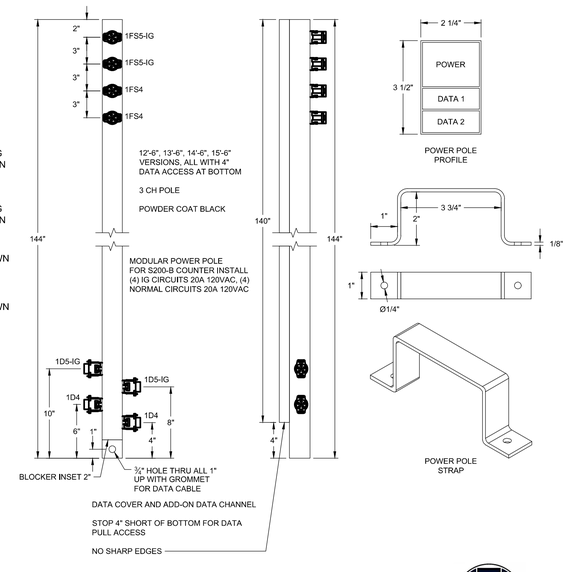
REGISTER ELECTRICAL COMPONENTS

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 W/2-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 FIXTURE PLAN FOR NUMBER AND LOCATION.

MAXIMUM CIRCUITS FOR REGISTERS:
- CIRCUITS AT MAIN REGISTER - (9) 110V
- CIRCUITS AT ISLAND REGISTER - (3) 110V

3 E1.1 **REGISTER ELECTRICAL DETAIL**
NTS



4 E1.1 **REGISTER POWER POLE**
NTS

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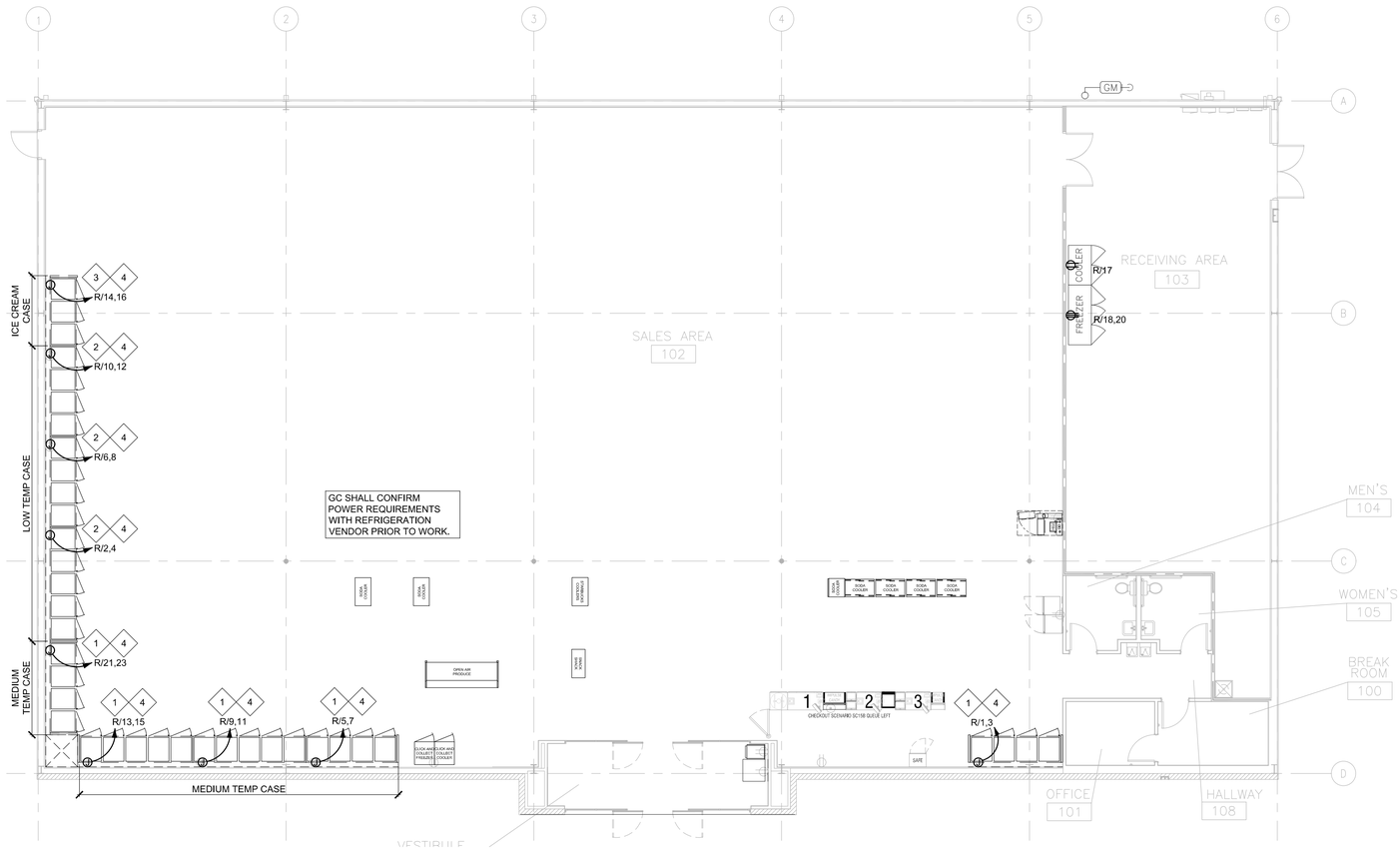
POWER PLAN

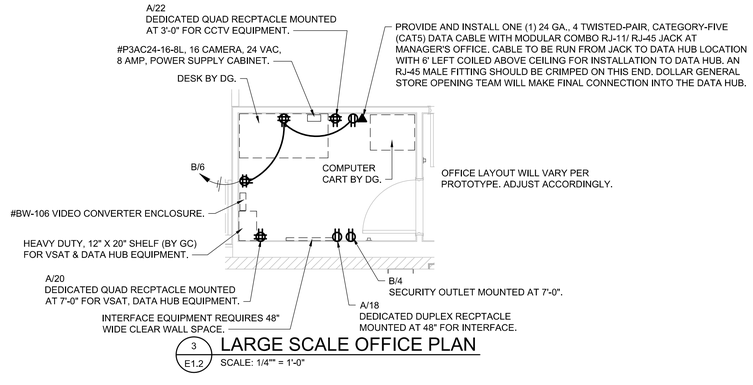
SHEET TITLE

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
E1.1



1 E1.2 REFRIGERATION POWER PLAN
SCALE: 1/8" = 1'-0"



3 E1.2 LARGE SCALE OFFICE PLAN
SCALE: 1/4"" = 1'-0"

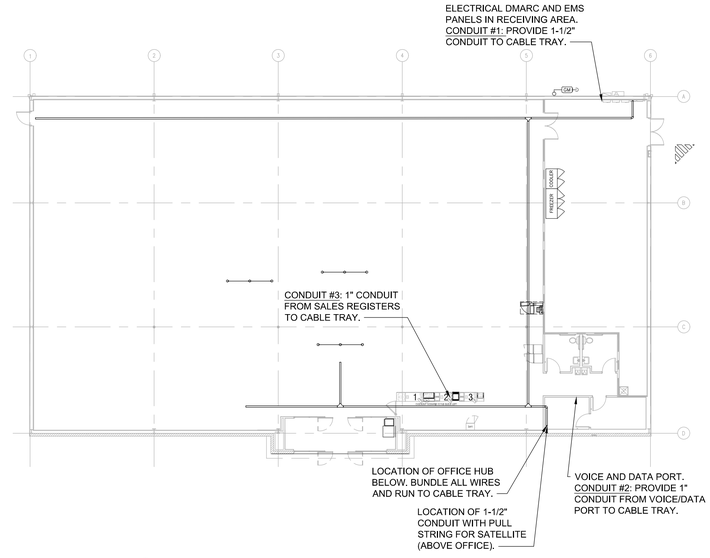
LEGEND	
SYMB	DESCRIPTION
	BUZZER - TORK MDL #TA725 W/ TRANSFORMER MDL#TA592
	COMMERCIAL GRADE PUSH BUTTON
A/23	125V NEMA 5-20R DUPLEX. PANEL/CIRCUIT IN PANEL
	125/250V NEMA L14-20-R 4 PRONG TWIST LOCK
	125V NEMA 5-20R QUAD
	DISCONNECT
	BLACK MAGIC POWER POLE
	PHONE JACK
	RJ-11, RJ-45 DATA JACK, PHONE COMBO
A/23	PANEL/CIRCUIT IN PANEL
$m	PROVIDE OCCUPANCY LIGHT SENSOR- LEVITON ODS10-IDW
$	20 AMP TOGGLE SWITCH
NL	NIGHT LIGHT CIRCUIT

GENERAL NOTES

A. MOUNT ALL REFRIGERATOR OUTLETS AT 12" AFF.

ELECTRICAL KEYED NOTES

1. PROVIDE 208V, 1 PHASE CONNECTION TO A J-BOX AT 90" AFF WITH (3)#12 CU. & #12 GROUND IN 3/4"C. R.C. TO PROVIDE AND INSTALL 30A/2NF DISCONNECT SWITCH AND WIRE FROM DISCONNECT SWITCH TO EQUIPMENT CONNECTIONS.
2. PROVIDE 208V, 1 PHASE CONNECTION TO A J-BOX AT 90" AFF WITH (3)#8 CU. & #10 GROUND IN 1"C. R.C. TO PROVIDE AND INSTALL 60A/2NF DISCONNECT SWITCH AND WIRE FROM DISCONNECT SWITCH TO EQUIPMENT CONNECTIONS.
3. PROVIDE 208V, 1 PHASE CONNECTION TO A J-BOX AT 90" AFF WITH (3)#10 CU. & #10 GROUND IN 3/4"C. R.C. TO PROVIDE AND INSTALL 30A/2NF DISCONNECT SWITCH AND WIRE FROM DISCONNECT SWITCH TO EQUIPMENT CONNECTIONS.
4. MOUNT J-BOX 11" FROM THE RIGHT SIDE OF EACH UNIT. CONFIRM EXACT LOCATION WITH REFRIGERATION VENDOR PRIOR TO WORK (TYP).



2 E1.2 CABLE TRAY PLAN AND CONDUIT DIAGRAM
SCALE: 1/16" = 1'-0"

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54935
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12/16/23

Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number 54935
Expiration Date 9/16/2023

#	DATE	REVISION

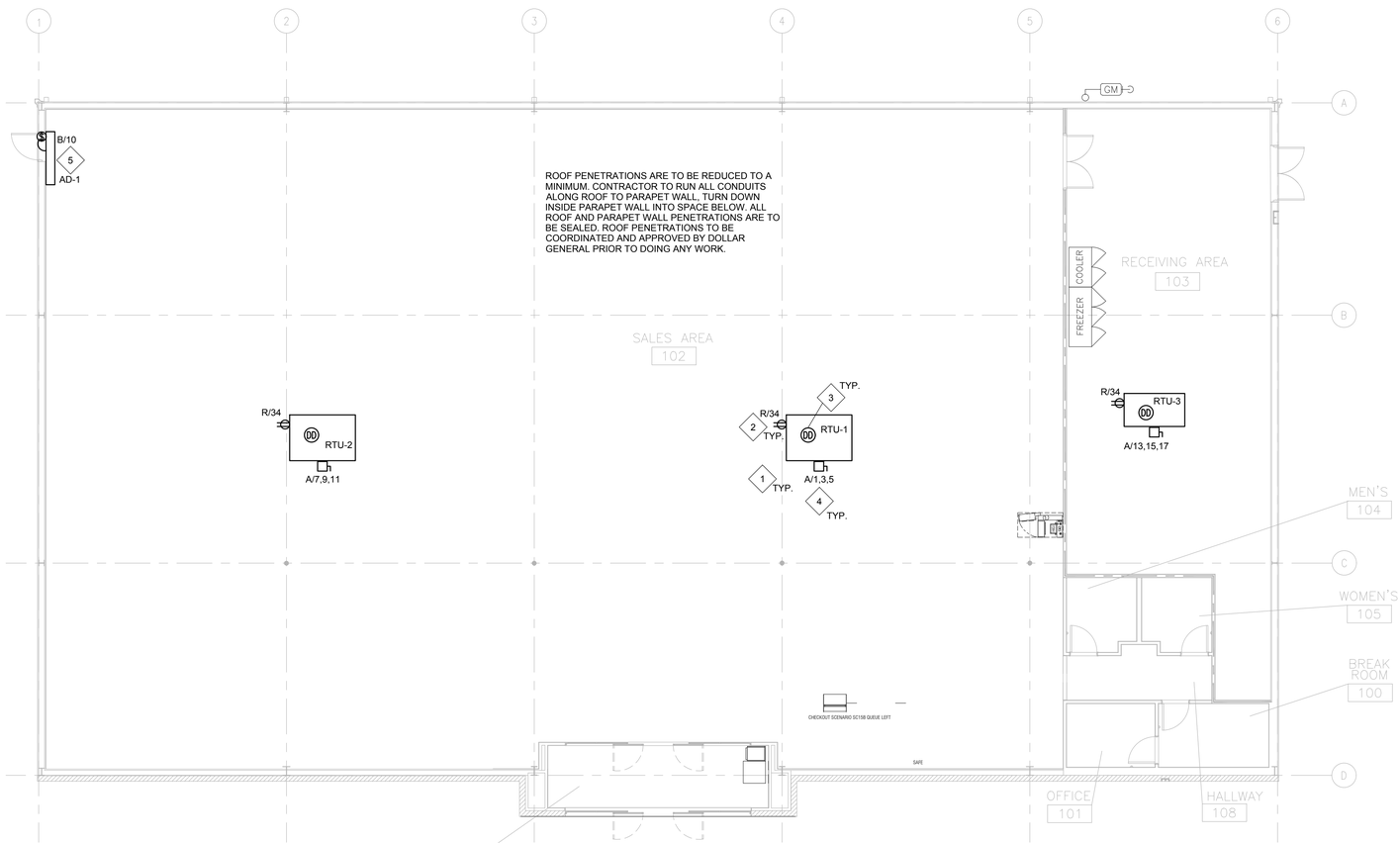
DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
REFRIGERATION POWER PLAN

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
E1.2



1 E1.3 ROOF POWER PLAN
SCALE: 1/8" = 1'-0"

LEGEND

SYMB	DESCRIPTION
	BUZZER - TORK MDL #TA725 W/ TRANSFORMER MDL#TA592
	COMMERCIAL GRADE PUSH BUTTON
A/23	125V NEMA 5-20R DUPLEX. PANEL/CIRCUIT IN PANEL
	125/250V NEMA L14-20-R 4 PRONG TWIST LOCK
	125V NEMA 5-20R QUAD
	DISCONNECT
	BLACK MAGIC POWER POLE
	PHONE JACK
	RJ-11, RJ-45 DATA JACK, PHONE COMBO
A/23	PANEL/CIRCUIT IN PANEL
$m	PROVIDE OCCUPANCY LIGHT SENSOR- LEVITON ODS10-IDW
$	20 AMP TOGGLE SWITCH
NL	NIGHT LIGHT CIRCUIT

ELECTRICAL KEYED NOTES

1. 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)
2. FACTORY MOUNTED POWERED CONVENIENCE OUTLET. FIELD VERIFY THAT OUTLET IS POWERED, WIRE ALL WITH THIS NOTE TO CIRCUIT R-34 IF THEY ARE NOT POWERED.
3. PHOTOELECTRIC DUCT DETECTOR WITH HOUSING. TIE TO LED READOUT. STAND ALONE DEVICE, 120V. SIMPLEX #4098-9687 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 VOLATGE. PLACE ANY REQUIRED LABELING ON CEILING TILE DIRECTLY BELOW UNIT. RUN CONDUIT & WIRE UNDERGROUND FROM UNIT TO INSIDE OF SPACE.
4. MOUNT DISCONNECT SWITCH AT UNIT AS REQUIRED.
5. FLY FAN: 120V-1PH-10.2A. PROVIDE SWITCH TO START UNIT WHEN DOOR OPENS AND SHUT OFF UNIT WHEN DOOR CLOSES. VERIFY EXACT LOCATION AND EQUIPMENT REQUIREMENTS PRIOR TO INSTALLATION.

HVAC UNIT WIRING TABLE

UNIT	WIRE	COND	DISC	FUSE	ENCL	PH	VOLT	GND	BRKR	LOAD	CFM	TONS
RTU-1	#4	1 1/4"	100A/3P	80A	NEMA 3R	3φ	208	#8	80A/3P	24,138	5,000	--
RTU-2	#4	1 1/4"	100A/3P	80A	NEMA 3R	3φ	208	#8	80A/3P	24,138	5,000	--
RTU-3	#10	3/4"	60A/3P	30A	NEMA 3R	3φ	208	#10	30A/3P	1,200	1,200	--
EF-1	#12	3/4"	MOTOR RATED SWITCH		NEMA 1	1φ	120	#12	20A/1P	6	75	--
EF-2	#12	3/4"	MOTOR RATED SWITCH		NEMA 1	1φ	120	#12	20A/1P	6	75	--
AD-1	#12	3/4"	DOOR SWITCH		NEMA 1	1φ	120	#12	20A/1P	1224	2758	--

TABLE NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE WITH THE MECHANICAL CONTRACTOR CONCERNING THE ELECTRICAL INFO OF ALL MECHANICAL DEVICES REQUIRING AN ELECTRICAL CONNECTION PRIOR TO DOING ANY WORK. ANY DISCREPANCIES BETWEEN THE FIELD OBTAINED INFORMATION AND THE INFORMATION SHOWN ON THE ELECTRICAL PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO DOING ANY WORK.
2. PROVIDE NEUTRALS ON AS REQUIRED BASIS, FIELD VERIFY.
3. ALL DISCONNECTS TO BE HEAVY DUTY. FUSES TO BE RK-5 TYPE, SUBMIT SHOP DRAWINGS. BUSSMAN FRN-R-(AMP) IS SPECIFIED.

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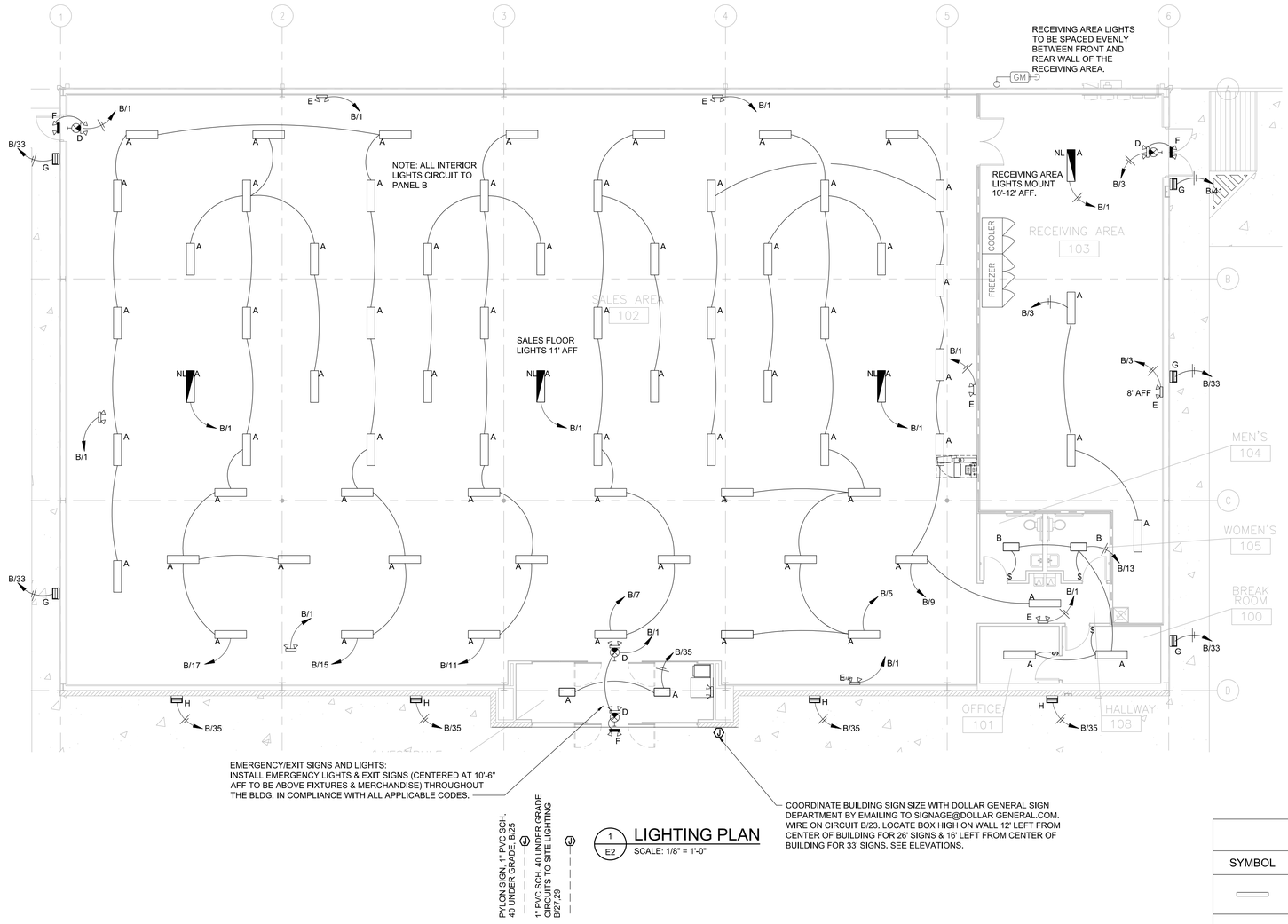
OAKLAND, MARYLAND

DOLLAR GENERAL

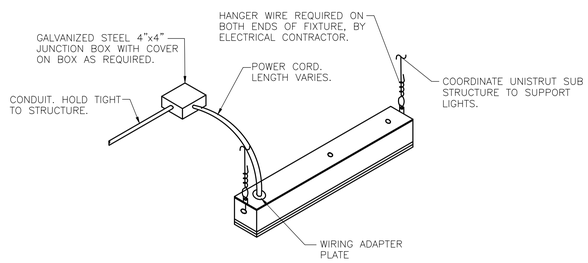
SHEET TITLE
ROOF POWER PLAN

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
E1.3



1 E2 **LIGHTING PLAN**
SCALE: 1/8" = 1'-0"



2 E2 **TYPICAL LED FIXTURE MOUNTING DETAIL**
SCALE: 1/8" = 1'-0"

LEDS LIGHT FIXTURE SCHEDULE

SYMBOL	TYPE	MANF.	PART #	DESCRIPTION	W
	A	LEDS	ST5000	4' LED STRIP FIXTURE AERIAL MOUNT INCLUDES (2) 8 FT CABLES	33
	A/NL	ETI	54583361	4' LED STRIP FIXTURE WITH BATTERY BACK-UP	33
	B	LEDS	ST2000	2' LED STRIP FIXTURE SURFACE MOUNT	20
	D	LEDS	EM2505	LED EXIT SIGN / EMERGENCY LIGHT COMBO WITH 2 HEADS	3
	E	LEDS	EL2500	LED INTERIOR EMERGENCY LIGHT WITH 2 HEADS	2
	F2	LEDS	EL2502	LED EXTERIOR EMERGENCY LIGHT WITH 2 HEADS	2
	G	LEDS	LEDBG42W001B	LED WALL PACK 1	42
	H	LEDS	LEDS-AL120	LED WALL PACK 2	150
	H	LEDS	LEDS-1210-S	PARKING POLE LIGHT	150

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

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DOLLAR GENERAL

SHEET TITLE
LIGHTING PLAN

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
E2

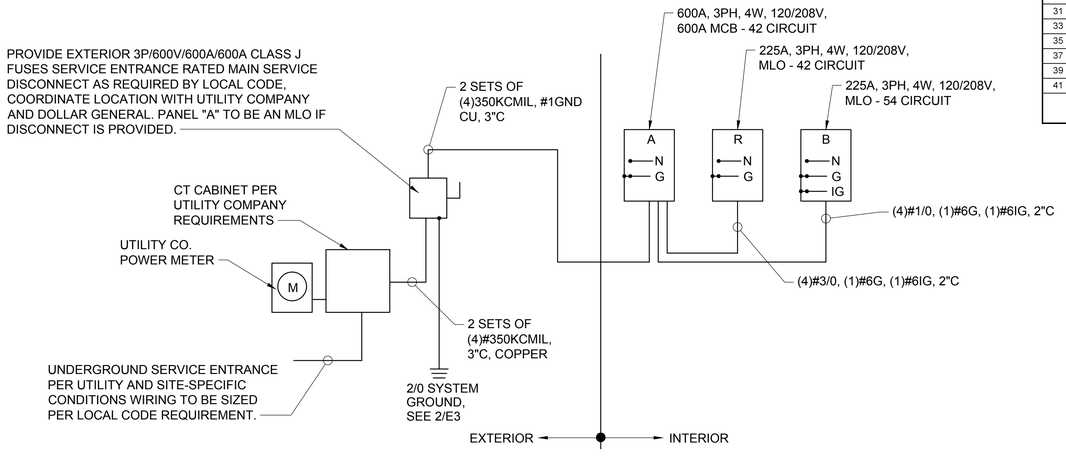
PANEL "A", 120/208 VOLT, 3 PHASE, 4 WIRE, 600A FRAME, 600A MCB, SURFACE MOUNT, NEMA 1

					TOTAL PER PHASE IN WATTS							
CKT #	LOAD	DESCRIPTION	AMP	POLE	A	B	C	AMP	POLE	DESCRIPTION	LOAD	CKT #
1	7680	HVAC UNIT # 1	80	3	7780			20	1	AUTOMATIC DOOR	100	2
3	7680					8040		20	1	TELEPHONE BOARD/BUZZER	360	4
5	7680						7860	20	1	ENERGY MANAGEMENT	180	6
7	7680	HVAC UNIT # 2	80	3	7860			20	1	OUTDOOR HVAC RECEP.	180	8
9	7680					7680		20	1	SPARE		10
11	7680						7860	20	1	OUTDOOR CONV RECEPT.	180	12
13	2880	HVAC UNIT # 3	30	3	2980			20	1	EXHAUST FAN	100	14
15	2880					2980		20	1	EXHAUST FAN	100	16
17	2880						3380	20	1	INTERFACE EQUIP.	500	18
19		SPARE	20	1	500			20	1	VSAT, DATA HUB EQUIP.	500	20
21		SPARE	20	1		960		20	1	CCTV EQUIP.	960	22
23		SPARE	20	1			924	20	1	CLICK & COLLECT FREEZER/COOLER	924	24
25	1650	WATER HEATER	20	1	1650			20	1	SPARE		26
27		SPARE	20	1		0		20	1	SPARE		28
29	500	DRINKING FOUNTAINS	20	1			500	20	1	SPARE		30
31	1200	OUTDOOR ICE MERCHANDISER	20	1	16870						15670	32
33	1200	HIGI KIOSK	20	1		17004		200	3	PANEL "R"	15804	34
35	960	SODA COOLERS	20	1			13874				12914	36
37	1600	DRINK COOLERS	20	1	7902						6302	38
39	1600	SODA COOLERS	20	1		7095		150	3	PANEL "B"	5495	40
41		SPARE	20	1			10023				10023	42
		NEW		TOTAL	45542	43759	44421			TOTAL CONNECTED =	133722.0	WATTS
		* HANDLE LOCK-ON DEVICE		LOCATED AT:							371.5	AMPS

120/208	3-PHASE, 4W	PANEL: LOAD	CAPACITY: 600A	
LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD
LIGHTING	4.11 KVA	5.14 KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED / DEMAND
RECEPTACLE	9.2 KVA	9.2 KVA	10KVA + 50% REMAINDER NEC 220.44	133.6 KVA / 123.3 KVA
HVAC	56.2 KVA	44.9 KVA	LOAD X 80% (USED MCA IN CALCULATION)	371A / 342A
MISC	64.1 KVA	64.1 KVA	LOAD X 100% NEC 210.19 NON-CONT.	
NP	0.0 KVA	0.0 KVA	O NONCOINCIDENTAL LOADS NEC 220.60	

DEMAND LOAD SUMMATION

INTERIOR LIGHTING	=	2582.0	WATTS
SITE AND SIGN LIGHTING	=	3330.0	WATTS
RECEPTACLE LOAD	=	7620.0	WATTS
HVAC LOAD	=	56144.0	WATTS
EQUIPMENT LOAD	=	64046.0	WATTS
TOTAL LOAD	=	133722.0	WATTS
		371.5	AMPS



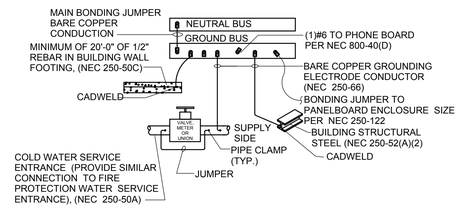
1 E3 ELECTRICAL PANEL SCHEMATIC
NTS

PANEL "B", 120/208 VOLT, 3 PHASE, 4 WIRE, 225 AMP, MLO, SURFACE MOUNT, NEMA 1

					TOTAL PER PHASE IN WATTS							
CKT #	LOAD	DESCRIPTION	AMP	POLE	A	B	C	AMP	POLE	DESCRIPTION	LOAD	CKT #
1	230	EMERGENCY/EXIT LIGHTS & NIGHT LIGHTS	20	1	230			20	1	SPARE		2
3	105	RECEIVING LIGHTS	20	1		605		20	1	SECURITY RECEP.	500	4
5	396	70% SALES LIGHTS - ROWS 2 & 3	20	1			936	20	1	OFFICE RECEPS.	540	6
7	297	70% SALES LIGHTS - ROWS 5 & 6	20	1	837			20	1	BREAK RM. RECEPS.	540	8
9	330	30% SALES LIGHTS - ROWS 1 & 4	20	1		1554		20	1	FLY FAN	1224	10
11	330	70% SALES LIGHTS - ROWS 8 & 9	20	1			1110	20	1	RECEPT KEY ME	780	12
13	135	R.R. LIGHTS	20	1	735			20	1	RECEPT ATM	600	14
15	396	30% SALES LIGHTS - ROWS 7 & 10	20	1		396		20	1	SPARE		16
17	363	70% SALES LIGHTS - ROWS 12 & 15	20	1			1443	20	1	BULKHEAD RECEPS.	1080	18
19		SPARE	20	1	0			25	1	SPARE		20
21		SPARE	20	1		0		25	1	SPARE		22
23	900	BUILDING SIGN	20	1			900	25	1	SPARE		24
25	900	PYLON SIGN	20	1	900			20	1	SPARE		26
27	150	SITE LIGHTING	20	1		150		20	1	SPARE		28
29	450	SITE LIGHTING	20	1			1650	20	1	POWER TERMINAL BROWN	1200	30
31		SPARE	20	1	1200			20	1	POWER TERMINAL BROWN	1200	32
33	210	EXT. WALL LTS	20	1		1410		20	1	POWER TERMINAL GREEN	1200	34
35	670	FRONT EXT. WALL/CANOPY LTS	20	1			1870	20	1	POWER TERMINAL GREEN	1200	36
37		SPARE	20	1	1200			20	1	POWER TERMINAL GREEN	1200	38
39		SPARE	20	1		1200		20	1	POWER TERMINAL GREEN	1200	40
41	50	EXTERIOR DUSK/DAWN	20	1			1250	20	1	POWER TERMINAL BROWN	1200	42
43		SPARE	20	1	1200			20	1	POWER TERMINAL BROWN	1200	44
45		SPARE	20	1		0		20	1	SPARE		46
47		SPARE	20	1			0	20	1	SPARE		48
49		SPARE	20	1	0			20	1	SPARE		50
51		SPARE	20	1		180		20	1	DISPLAY LIGHT	180	52
53		SPARE	20	1			864	20	1	GATORADE	864	54
		NEW ( ), EXISTING ( )		TOTAL	6302	5495	10023			TOTAL CONNECTED =	21820	WATTS
		* HANDLE LOCK-ON DEVICE		LOCATED AT:							60.6	AMPS

PANEL "R", 120/208 VOLT, 3 PHASE, 4 WIRE, 225 AMP, MLO, SURFACE MOUNT, NEMA 1

					TOTAL PER PHASE IN WATTS							
CKT #	LOAD	DESCRIPTION	AMP	POLE	A	B	C	AMP	POLE	DESCRIPTION	LOAD	CKT #
1	1300	A-1-A REACH-IN DAIRY CASE	15	2	5200			40	2	A-2-A REACH-IN FROZEN CASE	3900	2
3	1300					5200					3900	4
5	1300	A-1-B REACH-IN DAIRY CASE	15	2			4500	40	2	A-2-B REACH-IN FROZEN CASE	3200	6
7	1300				4500						3200	8
9	1300	A-1-C REACH-IN DAIRY CASE	15	2		4500		40	2	A-2-C REACH-IN FROZEN CASE	3200	10
11	1300						4500				3200	12
13	1300	A-1-D REACH-IN DAIRY CASE	15	2	3900			25	2	A-2-C REACH-IN FROZEN CASE	2600	14
15	1300					3900					2600	16
17	1150	STOCKROOM COOLER	20	1			2070	20	2	STOCKROOM FREEZER	920	18
19	1150	PRODUCE COOLER	15	1	2070						920	20
21		SPARE	15	2		1664		20	2	PRODUCE COOLER	1664	22
23							1664				1664	24
25		SPARE	20	1	0			20	1	SPARE		26
27		SPARE	20	1		0		20	1	SPARE		28
29		SPARE	20	1			0	20	1	SPARE		30
31		SPARE	20	1	0			20	1	SPARE		32
33		SPARE	20	1		540		20	1	SERVICE RECEPS ON ROOF	540	34
35		SPARE	20	1			0	20	1	SPARE		36
37		SPARE	20	1	0			20	1	SPARE		38
39		SPARE	20	1		0		20	1	SPARE		40
41	180	PANEL RECEPTACLE	20	1			180	20	1	SPARE		42
		NEW (X), EXISTING ( )		TOTAL	15670	15804	12914			TOTAL CONNECTED =	44388	WATTS
		* HANDLE LOCK-ON DEVICE		LOCATED AT:							123.3	AMPS



NOTE: ALL GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 250-50 OF THE NATIONAL ELECTRICAL CODE.

2 E3 GROUNDING DETAIL
NTS

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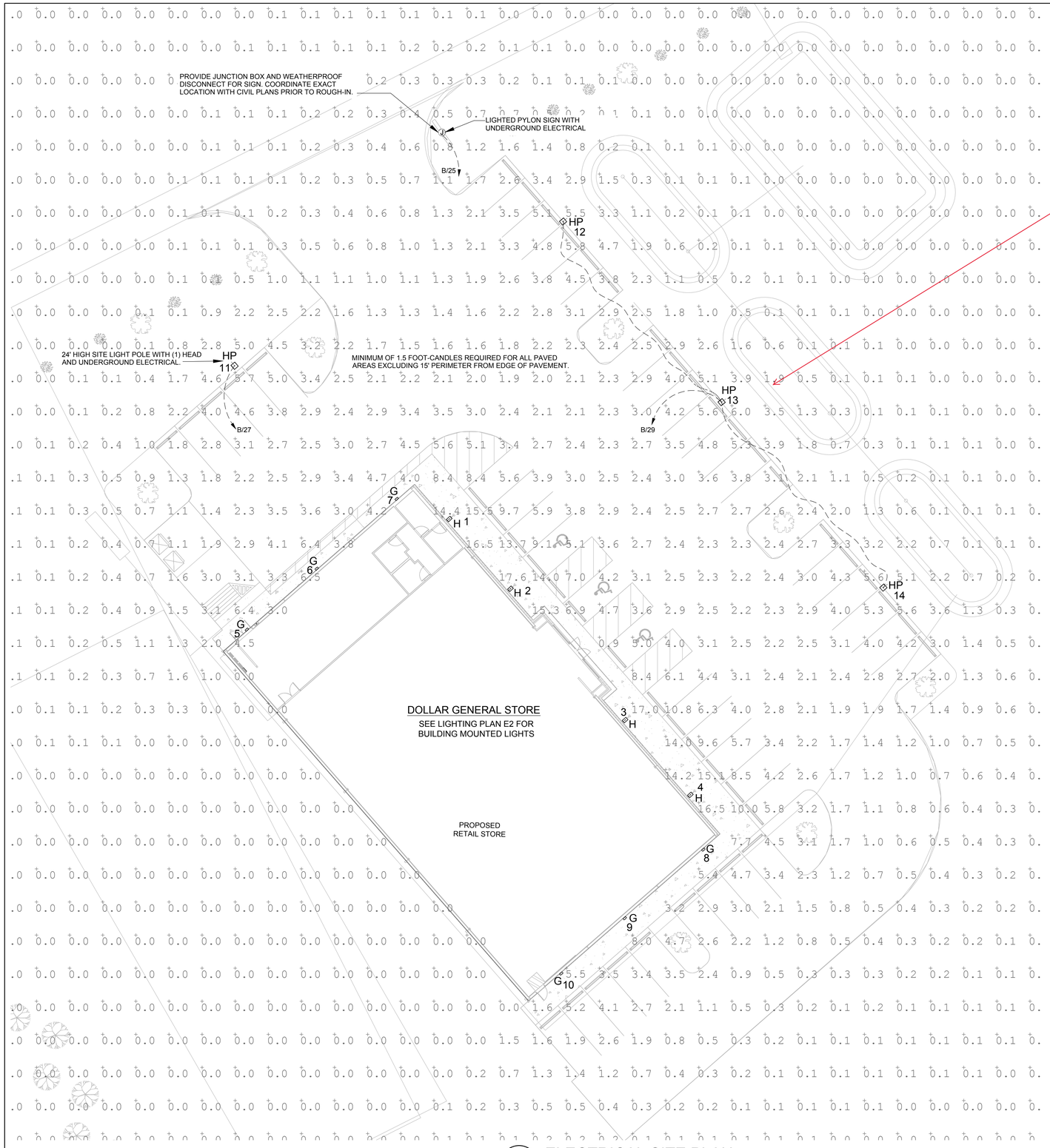
DOLLAR GENERAL

SHEET TITLE
ELECTRICAL PANEL

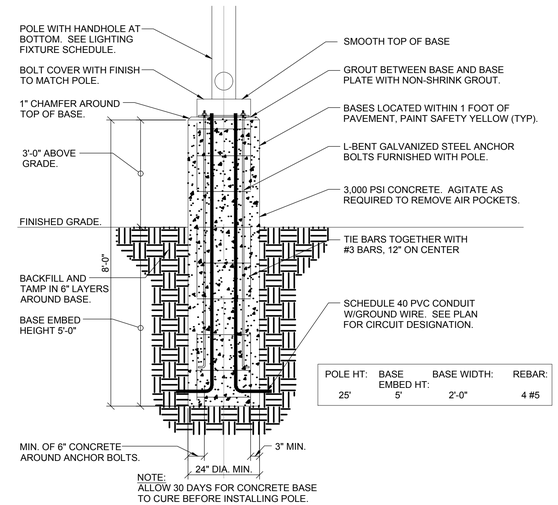
SPI Client	DATE
21052	12-16-21

SHEET NUMBER
E3



1 E4 ELECTRICAL SITE PLAN

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



POLE HT:	BASE EMBED HT:	BASE WIDTH:	REBAR:
25'	5'	2'-0"	4 #5

2 E4 POLE BASE DETAIL

SCALE: NONE

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	4	HP	SINGLE	13632	0.950	LEDS-1210-S - Single Pole Mt 150w, Type 4, 5K, Shielded
	4	H	SINGLE	19188	0.950	LEDS-AL120 - Wall Mt, 150w, Type 4, 5K
	6	G	SINGLE	4740	0.950	LEDBG42W001B-5000K - Wall Pack, 42W, Full Cutoff, 5K

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site	Illuminance	Fc	0.22	17.6	0.0	N.A.	N.A.
Parking Lot	Illuminance	Fc	3.38	17.6	0.1	33.80	176.00

Note:
1. PHOTOMETRIC CALCULATIONS AND RESULTS PERFORMED BY VENDOR AND ARE NOT COVERED BY THE P.E. SEAL ON THIS SHEET.

Luminaire Location Summary		
LumNo	Label	Z
1	H	16.5
2	H	16.5
3	H	16.5
4	H	16.5
5	G	12
6	G	12
7	G	12
8	G	12
9	G	12
10	G	12
11	HP	27
12	HP	27
13	HP	27
14	HP	27

SITE LIGHTING GENERAL NOTES

A. FINAL SIGN CONNECTION AND UNDERGROUND CONDUIT IS LANDLORD RESPONSIBILITY. PROVIDE CONDUIT FROM THE ELECTRICAL PANEL TO LOCATION OF THE PYLON SIGN BASE. BURY CONDUIT UNDER PARKING AREA. THE CONDUIT IS TO BE 1" AND HAVE ONE SET TO 10/2 WIRE WITH GROUND AND A 20-AMP TWO POLE BREAKER AT THE PANEL. A TEMPORARY 3' TALL STAKE SHALL BE PROVIDED TO DESIGNATE THE PYLON SIGN LOCATION UNTIL THE SIGN IS PERMANENTLY INSTALLED. REMOVE POST AFTER SIGN IS INSTALLED.

B. SITE / PARKING LOT LIGHTING: PROVIDE ADEQUATE POLE AND/OR WALL LIGHTING FOR NIGHT VISION AROUND ENTRY, PARKING AND DUMPSTER PAD AREAS.

C. MINIMUM OF 1.5 FOOT-CANDLES REQUIRED FOR ALL PAVED AREAS EXCLUDING 15' PERIMETER FROM EDGE OF PAVEMENT.

D. REQUIRED LIGHTING: A COMBINATION OF POLE LIGHTS, FLOOD LIGHTS WITH ARM AND WALL PACKS WILL BE USED. REFER TO ELECTRICAL SITE PLAN AND SHEET E2 FOR ADDITIONAL INFORMATION.

E. PLEASE NOTE THAT LIGHTING DESIGN AND LAYOUT SHOULD BE SITE SPECIFIC & MAY REQUIRE ADDITIONAL LIGHTING TO COMPLY WITH SITE DESIGN CONDITIONS. THEREFORE, MAKE PROVISIONS FOR MORE POLE LIGHTING WHEN A SPECIFIC SITE REQUIRES IT.

F. UNDERGROUND ELECTRICAL SHALL BE PROVIDED TO THE SITE LIGHT POLES.

G. WHERE LOCAL JURISDICTIONS DO NOT ALLOW DOLLAR GENERAL'S REQUIRED LIGHTING PLAN, AN ALTERNATE SITE LIGHTING PLAN & PHOTOMETRIC PLAN MUST BE SUBMITTED FOR APPROVAL TO THE DOLLAR GENERAL ARCHITECTURAL AND ENGINEERING DEPARTMENT.

H. PHOTOMETRIC SITE ANALYSIS AVAILABLE THROUGH DOLLAR GENERAL VENDOR, LEDS LLC.

I. DOLLAR GENERAL VENDOR PRICING FOR WALL PACKS OR POLE LIGHTING AVAILABLE FROM LEDS LLC.

J. SEE SHEET E2 FOR MORE INFORMATION.

K. VERIFY LOCAL DARK SKY REQUIREMENTS AND CONTACT VENDORS FOR APPROVED ALTERNATES IF REQUIRED.

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STATE OF MARYLAND · TIMOTHY A. PAYNE · 54935 · PROFESSIONAL ENGINEER

12/16/21

'Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number 54935
Expiration Date 9/16/2023

#	DATE	REVISION

DOLLAR GENERAL #00892
GARRETT COUNTY MD
OAKLAND, MARYLAND

DOLLAR GENERAL

SHEET TITLE
ELECTRICAL SITE PLAN

SPI Client	DATE
21052	12-16-21

SHEET NUMBER
E4