# LAUREL CREEK PARK RESTROOM RENOVATION

**COVER SHEET** COV COVER SHEET **FLOOR PLANS** 

G01 MAIN FLOOR + ELECTRICAL + PLUMBING PLANS **ELEVATIONS** G02 ELEVATIONS

**ELECTRICAL/SITE** E-1 SITE/ELECTRICAL PLAN

#### SCOPE OF WORK

THE BATH STRUCTURE IS EXISTING, HAVING SERVED AS A SHOWER HOUSE FOR MANY YEARS. THIS RENOVATION CONVERTS THE SHOWER HOUSE INTO A RESTROOM FACILITY FOR USE AS PART OF THE LAUREL CREEK PARK. THE BUILDING HAS AN EXISTING CONCRETE SLAB FLOOR, WITH 8"CMU WALLS AND A FRAMED ROOF.

#### GENERAL NOTES

- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE 2018 VIRGINIA BUILDING CODE
- 2. ALL DIMENSIONS ARE FROM FACE OF STRUCTURE UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ELEVATIONS, AND SITE CONDITIONS PRIOR TO STARTING WORK. CONTACT STRUCTURAL ENGINEER AS APPROPRIATE IF CONFLICTING OR PROHIBITIVE CONDITIONS ARE
- ENCOUNTERED 4. SW#### SPECIFIES SHERWIN WILLIAMS SPECIFIC COLOR CONFIRM ALL COLOR SELECTIONS WITH OWNER 5. SCOPE OF WORK INCLUDES RENOVATION OF EXISTING CMU BATH HOUSE INTO NEW PARK RESTROOMS. NEW
- 6. RESTROOM BUILDING IS LOCATED WITHIN A FLOODPLAIN. FINISH MATERIALS AND ELECTRICAL TO BE LOCATED MIN. 2' ABOVE BFE AS INDICATED.

PLUMBING FIXTURES, LIGHTING, AND INTERIOR EXTERIOR

#### DESIGN LOADS

**ELEVATION = 1921 AMSL** LIVE LOAD = 40 PSF

ROOF = 20 PSF 2. FLOOR = 40 PSF **DEAD LOAD = 15 PSF** 

WIND LOAD

- WIND ZONE, V=115 MPH **IMPORTANCE FACTOR, 1**
- EXPOSURE CATEGORY = B

**SNOW LOAD** 

GROUND SNOW LOAD = 20 PSF SEISMIC LOAD

SEISMIC DESIGN CATEGORY = C

#### WOOD

- ALL WOOD DESIGN AND CONSTRUCTION TO CONFORM TO THE ANSI/AWC NDS: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
- 2. ALL LUMBER SHALL BE PROTECTED FROM MOISTURE. HEAT AND DAMAGE DURING DELIVERY, STORAGE AND INSTALLATION.

### FRAMING LUMBER

- SHALL BE GRADED PER PS 20: AMERICAN SOFTWOOD LUMBER STANDARD
- 2. ALL REFERENCED PRESSURE-PRESERVATIVE TREATED LUMBER (PT) SHALL BE SOUTHERN PINE, #2 OR BETTER.

### **FASTENERS**

ALL HARDWARE EXPOSED TO WEATHER, GROUND CONTACT, EXPOSED TO PRESSURE-PRESERVATIVE TREATED MATERIALS, OR LOCATED IN AREAS OF HIGH RELATIVE HUMIDITY SHALL BE APPROVED FOR USE IN SUCH ENVIRONMENT.

#### **BOLTS**

- HEX BOLTS AND SCREWS.
- ASTM A307, GRADE A (GALVANIZED WHERE NOTED)
- ASTM A563-A HEX NUTS ASTM F844 OR ASTM A36 WASHERS
- LAG BOLT CONNECTIONS SHALL BE PRE-DRILLED WITH A PILOT HOLE 1/8" LESS THAN BOLT DIAMETER AND BE EPOXY

## **NAILS**

SHALL CONFORM TO ASTM F1667: STANDARD SPECIFICATION FOR DRIVEN FASTENERS: NAILS, SPIKES, AND STAPLES

PNEUMATIC NAILS AND STAPLES SHALL MEET THE APPROVAL OF THE DESIGN ENGINEER AND BE IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED CODE EVALUATION REPORTS.

# **SCREWS**

- SHALL CONFORM TO ANSI/ASME B18.6.1: WOOD SCREWS
- SHALL NOT BE USED IN WITHDRAWAL FROM END GRAIN CONNECTIONS.

#### STRUCTURAL SCREWS

SHALL BE AS NOTED IN DRAWINGS AND SHALL CONFORM TO MANUFACTURER'S PUBLISHED CODE **EVALUATION REPORTS.** 

#### **FASTENERS**

ALL HARDWARE EXPOSED TO WEATHER, GROUND CONTACT, EXPOSED TO PRESSURE-PRESERVATIVE TREATED MATERIALS, OR LOCATED IN AREAS OF HIGH RELATIVE HUMIDITY SHALL BE APPROVED FOR USE IN SUCH ENVIRONMENT.

- SHALL CONFORM WITH ANSI/ASME B18.2.1: SQUARE AND HEX BOLTS AND SCREWS.
- ASTM A307, GRADE A (GALVANIZED WHERE NOTED)
- ASTM A563-A HEX NUTS
- ASTM F844 OR ASTM A36 WASHERS
- LAG BOLT CONNECTIONS SHALL BE PRE-DRILLED WITH A PILOT HOLE 1/8" LESS THAN BOLT DIAMETER AND BE EPOXY

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- SHALL CONFORM TO ANSI/ASME B18.6.1: WOOD SCREWS SHALL NOT BE USED IN WITHDRAWAL FROM END GRAIN CONNECTIONS

## STRUCTURAL SCREWS

SHALL BE AS NOTED IN DRAWINGS AND SHALL CONFORM SHALL CONFORM WITH ANSI/ASME B18.2.1: SQUARE AND | TO MANUFACTURER'S PUBLISHED CODE EVALUATION REPORTS. **SHEATHING** 

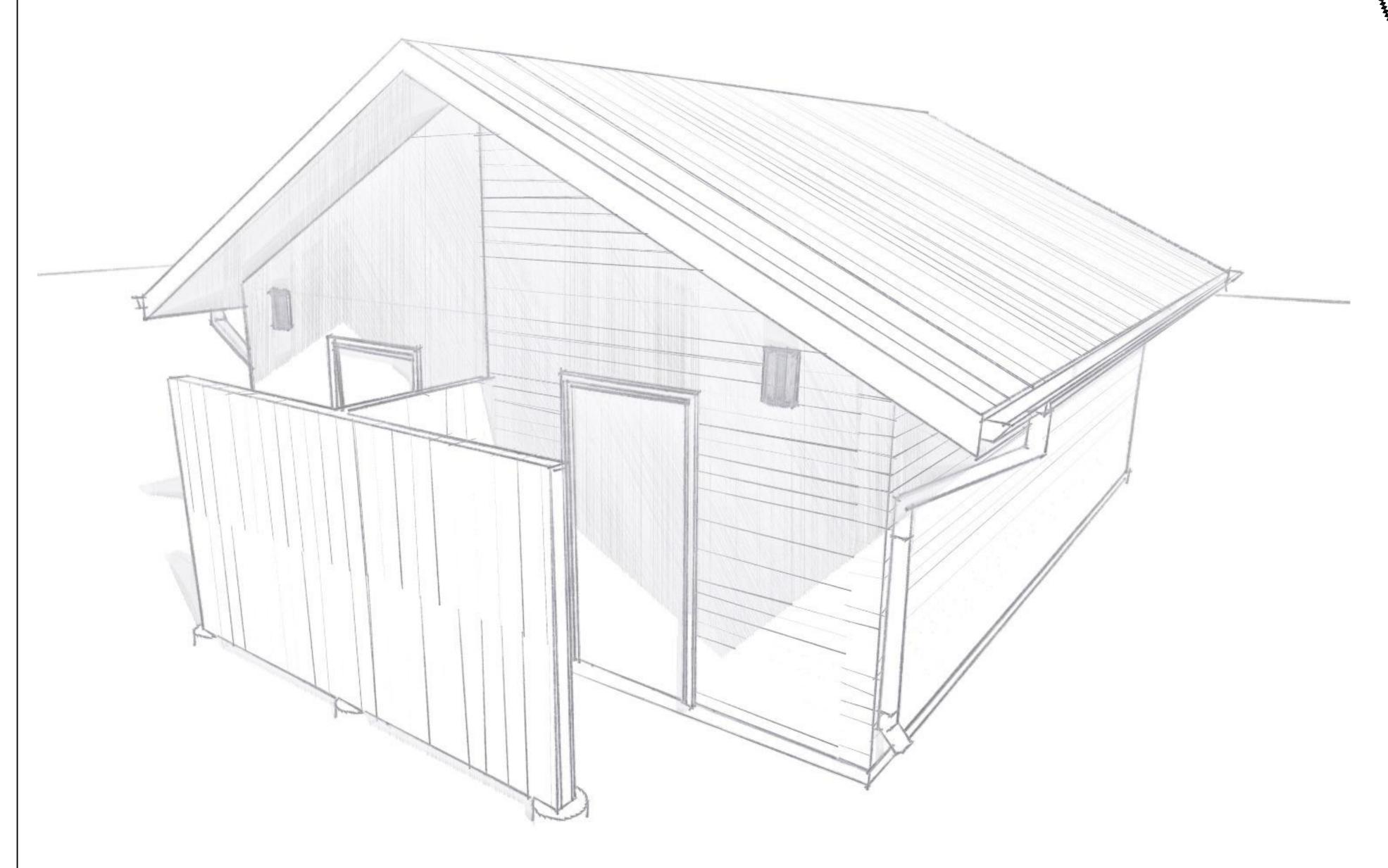
SHALL MEET THE PROVISIONS OF ASTM C1396/C 1396 M: STANDARD SPECIFICATION FOR GYPSUM BOARD. **HARDBOARD** 

. SHALL MEET THE PROVISIONS OF ANSI/CPA A135.6: HARDBOARD SIDING

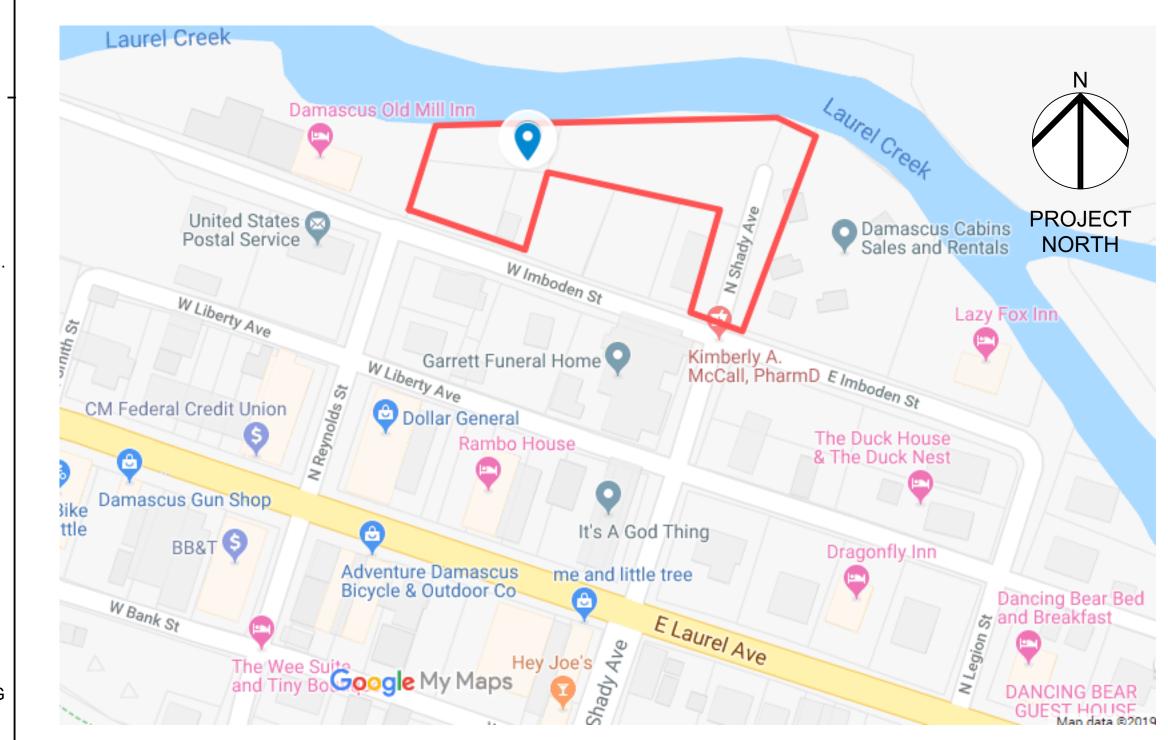
#### STRUCTURAL PANELS

- PLYWOOD
- 1.1. SHALL MEET THE REQUIREMENTS OF PS1: STRUCTURAL PLYWOOD AND PS2:PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS.
- 2. ORIENTED STRAND BOARD (OSB) 2.1. SHALL MEET THE PROVISIONS OF PS2: PERFORMANCE STANDARD FOR WOODBASED STRUCTURAL-USE PANELS.
- 3. PARTICLEBOARD 3.1. SHALL MEET THE REQUIREMENTS OF ANSI A208.1: PARTICLEBOARD STANDARD.
- 4. FIBERBOARD 4.1. SHALL MEET THE REQUIREMENTS OF ASTM C208: STNADARD SPECIFICATION FOR CELLULOSIC FIBER INSULATING BOARD.

#### 5. STRUCTURAL PANEL SIDING 5.1 SHALL MEET THE REQUIREMENTS OF PS1: STRUCTURAL **PLYWOOD**

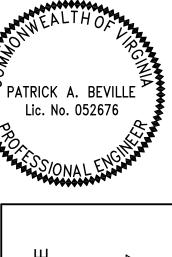


#### PERSPECTIVE VIEW



VIEW LEGEN	ID
DRAWING NUMBER TYP.  1 1 A1 SHEET NUMBER TYP.	BUILDING SECTION KEY
1 A1	WALL SECTION KEY
1 A1	ELEVATION KEY
	DETAIL KEY
z	NORTH INDICATOR
PLAN	PLAN NORTH
2 LEGENDS  SCALE: 1/4" = 1'-0"	

SYMBOL LEGEND						
REF. DOOR/WINDOW SCHEDULE	DOOR/ WINDOW ID					
DOOR HEIGHT  O TO TO THE TO TH	DETAILED DOOR ID					
WINDOW SILL 2'-3"  SILL WINDOW HEIGHT  WINDOW 72 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	DETAILED WINDOW ID					
0"	ELEVATION MARKER					
101	KEYNOTE INDICATOR					
91 - WIR	REVISION INDICATOR					



GAVINI TOWN 208 W. DAMAS 276-783 GBLEV

REVISION BY DATE

11/22/2019 AS NOTED DRAWN CHECKED 195001 COV

SCALE

PLOTTED ON: 11/22/2019

DOWNLIGHT - STYLE #2W561

-OPTION 3: LOWELL - LED AND P20 MH UP DOWN WALL

-OPTION 1: WAC LIGHTING: MODEL # WS-63718-27-AL

-OPTION 3: MAXIM LIGHTING SPEC VANITY 52000SN

-OPTION 2: MAXLITE MODEL # LSV3XT8USE4806

-OPTION 3: WESTGATE LLVT2-4FT-40W-40k-D

-OPTION 2: MODERN FORMS WS-47919-AL

-OPTION 2: LUND EW3207

-OPTION 1: PLT 50115

LED VANITY STRIP

Lic. No. 052676

REVISION BY DATE 11/22/2019 AS NOTED SCALE DRAWN MEB

**G01** 

195001

CHECKED

JOB#

LIGHTING LEGEND SYMBOL LIGHTING SCHEDULE EXTERIOR SCONCE **EXTERIOR SCONCE:** -OPTION 1: STANFORD BLACK OUTDOOR LED WALL UP AND

> PLUMBING LEGEND **DESCRIPTION QUANTITY** SYMBOL Element ID **VANITY** WATER CLOSET COMPLIANT WATER CLOSET URINAL ELOOD DDAIN

PLUMBING SCHEDULE						
Model MANUFACTURER SPECIFICATION						
ADA COMPLIANT WAT	TER CLOSET					
	AMERICAN STANDARD	MODEL # 3043.716 OR EQUAL	2			
ELECTRIC TANKLESS	WATER HEATER					
	RHEEM	MFR. MODEL # RETX-04 OR EQUAL	1			
FLOOR DRAIN						
	UNDEFINED	EXISTING SHOWER DRAIN	4			
URINAL						
	AMERICAN STANDARD	MODEL # 6541511.020 OR EQUAL	1			
VANITY						
	KOHIER	MODEL # K-2035-1-0 OR EQUAL (ADA COMPLIANT)	2			
WATER CLOSET						
	AMERICAN STANDARD	MODEL # 2855.128.020 OR EQUAL	3			

**ELECTRICAL NOTES** 

2. ALL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE NEW AND LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY APPROVED BY

CONDITIONS PRIOR TO STARTING WORK. CONTACT ENGINEER, AS APPROPRIATE.

4. ELECTRICAL CONTRACTOR TO PROVIDE SEPARATE NEUTRAL CONDUCTOR FOR EACH 120V CIRCUIT, AND INSULATED GROUND CONDUCTOR IN ALL CONDUIT

5. ELECTRICAL PLANS TO LOCATE EQUIPMENT AND FIXTURES ONLY. FINAL WIRE

. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND LOCAL CODES BY LICENSED ELECTRICAL

3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE

IF CONFLICTING OR PROHIBITIVE CONDITIONS ARE ENCOUNTERED.

SIZING AND OVERCURRENT PROTECTION PER NEC REQUIREMENTS. 6. FINAL CIRCUITS TO BE CLEARLY LABELED ON DISTRIBUTION PANEL BY

CONDUIT PLACEMENT AND RUNS WITH CONTRACTOR.

1. ALL GFI/WP RECEPTACLES TO HAVE IN-USE COVERS.

COMPONENTS BELOW FLOODPLAIN (2' ABOVE GRADE)

. ALL RECEPTACLE OUTLETS IN WET AREAS TO BE PROTECTED BY GFC

. ALL EXPOSED WIRING SHALL BE COPPER SINGLE WIRE CONDUCTORS IN

10. COORDINATE ELECTRICAL SERVICE AND METER PANEL LOCATIONS WITH

12. ADDITIONAL HEAT AND MOISTURE LOADS GENERATED BY LIGHT-DUTY

13. ALL ELECTRICAL TO BE RUN FROM CEILING WITH NO ELECTRICAL

ELECTRIC CONVECTION OVENS SHALL BE ACCOUNTED FOR IN THE DESIGN OF

CONDUIT, MINIMUM WIRE SIZING #12AWG. CONTRACTOR TO COORDINATE

9. ALL INTERIOR WIRING TO BE #12AWG MIN MC CABLE OR EQUAL NM IN

CONTRACTOR.

PROTECTED LOCATIONS.

THE HVAC SYSTEM.

**QUANTITY** 

10

LED OVERHEAD

LIGHT

LED VANITY STRIP

	1 -01	
	P-02	
MECHANICAL NOTES  1. EXHAUST VENTILATION SHALL BE PROVIDED TO EACH RESTROOM TO REMOVE 150 CFM CONTINUOUS OR 210 CFM INTERMITENTLY.  2. CONFIRM INSTALLATION OF WALL MOUNTED	P-03	
HEATER WITH OWNER.	P-04	
FAN SPECIFICATION: Panasonic WhisperGreen Select Ventilation Fan 150 CFM. Model #: FV-20VQ3 OR EQUAL	P-05	
HEATER SPECIFICATION: Broan 174 wall mount heater. 1500W or equal	P-06	

# HEATER SPECIFICATION: Broan 174 wall mount heater. 1500W or equal PLUMBING NOTES . ALL PLUMBING WORK TO BE PERFORMED

—FFE 1921.10

EXISTING DOORS, —OPENING DIRECTION TO BE FLIPPED.

PRIVACY WALL STRUCTURE: 4X4 PT POSTS, WET SET INTO 12" CYLIDRICAL PIERS. PIER DEPTH=

36", LOCATIONS SHOWN

36" HEIGHT. QUICK DAM

PER MANUFACTURER INSTRUCTIONS AS NEEDED

MOTION DETECTOR

EFFICIENCY TYP.

WALL MOUNTED

EMERGENCY EXIT LIGHT,

EXTERIOR WALL SCONCE -W/ PHOTO ELECTRIC

BATTERY POWERED

**CEILING MOUNTED** 

LED FIXTURE

TIMER

EXISTING SHOWER DRAINS.

**NOTE**: CONTRACTOR TO -CONFIRM EXISTING DRAIN TO SUFFICE DRAINAGE REQS. PER VANITY LIGHT,

INTEGRATED INTO LIGHT

SWITCHES FOR ENERGY

ALL EXTERIOR DOORS TO BE FITTED WITH FLOODGATES. MIN.

FLOODGATE OR EQUAL. INSTALL

<u> 5'-11 3/8"</u>

OPTIONAL WALL MOUNTED HEATER

EXHAUST FAN

EXISTING CONRETE SLAB FOR

NEW DRAIN LINES.

STORAGE

ELECTRICAL PANEL, TO -SERVE BATHROOM AND /

TWO PARK SHELTERS/

MAIN FLOOR LIGHTING/ELECTRICAL PLAN

MAIN FLOOR PLUMBING PLAN

**ELECTRIC TANKLESS** 

WATER HEATER.

MAIN FLOOR PLAN

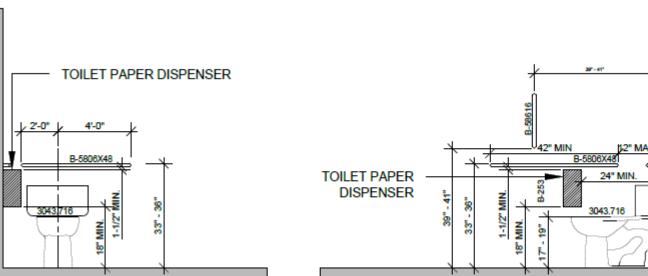
SCALE: 1/4" = 1'-0"

A LICENSED CONTRACTOR TO VA 2018 PLUMBING CODE REQUIREMENTS. . ALL BATHROOM FIXTURES TO ADHERE TO A REQUIRMENTS PER DETAIL 2 THIS PAGE. . ALL FIXTURES AS SPECIFIED, OR APPROVEI

CONTRACTOR TO USE 4"MIN. SCH 40 PVC FOR NEW WASTE LINES, 3/4" PEX FOR NEW HOT AND COLD SUPPLY LINES, 1/2" PEX FIXTURE CONNECTIONS. CONTRACTOR TO CONSULT WITH ENGINEER IF UNABLE TO ACCESS AREAS OR IF INSUFFICENT SLOPE EXISTS FOR DRAIN.

HOT WATER SUPPLY TO BE (1) RHEEM 120V UNDER SINK ELECTRIC TANKLESS WATER HEATER, 3500 WATTS, 29 AMPS, MRF. MODEL #: RTEX-04 , OR APPROVED EQUAL. . MIN 1/8" SLOPE, 1/4" RECOMMENDED FOR WALL LINES.

150	P-05	×	FLOOR DRAIN	4	
	P-06	WH	ELECTRIC TANKLESS WATER HEATER	1	_
) BY					
ADA					
ED					
F∩R	TOILE	T PAPER DISPENSE	R		+



# SINK

DETERMINING EXISTING SUPPLY AND DRAINLINES ARE ADEQUATE. 3. WATER CLOSET. - FLOOR MOUNTED FLUSH TANK - ADA COMPLIANT: AMERICAN STANDARD MFG. CO. MODEL NO. 3043.716 OR EQUAL, CADET 3 FLOWISE RIGHT-HEIGHT (1.28GPF), ELONGATED BOWL, CAT. NO 2835, CHROME PLATED 3/8" ANGLE SUPPLY WITH ANNEALED VERTICAL TUBE AND STOP. HEIGHT TO TOP OF SEAT MINIMUM 17" MAXIMUM 19". 1/2" C.W. CONNECTION. 3" WASTE CONNECTION. 2" VENT, TRAP IN BOWL. FURNISH WITH CONTROL MECHANISM ON WIDE SIDE OF WATER CLOSET AND 44" AF.F. MAXIMUM. SHALL BE ADA. COMPLIANT. I. LAVATORY - ADA COMPLIANT:KOHLER K-2035-1-0 OR EQUAL WALL MOUNT W/ OVAL BASIN, RECOMMENDED

ADA BATHROOM NOTES:

1. ALL BATHROOM FIXTURES TO ADHERE TO ADA

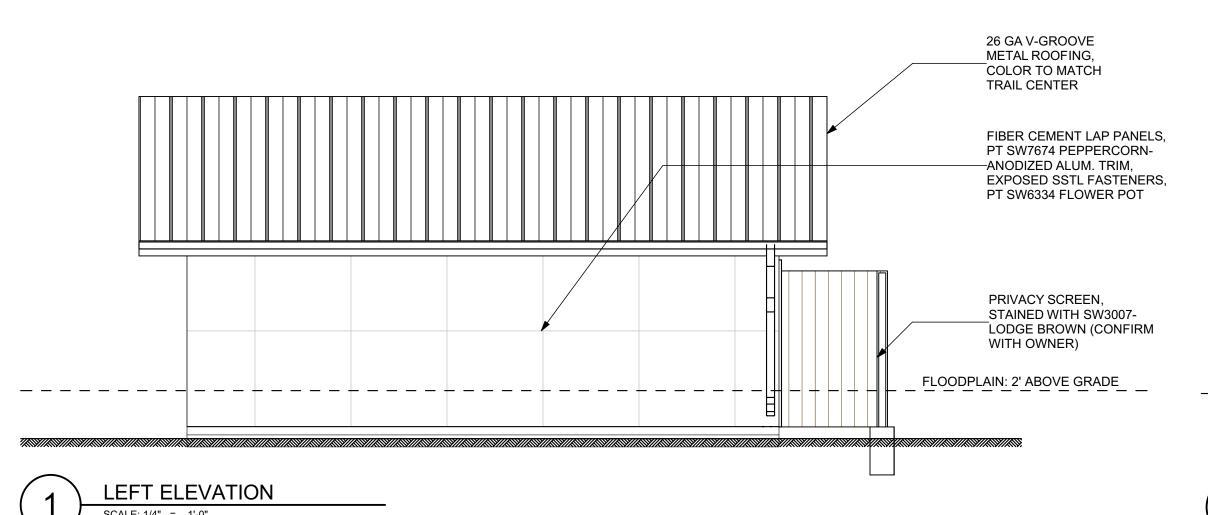
2. PLUMBING CONTRACTOR RESPONSIBLE FOR

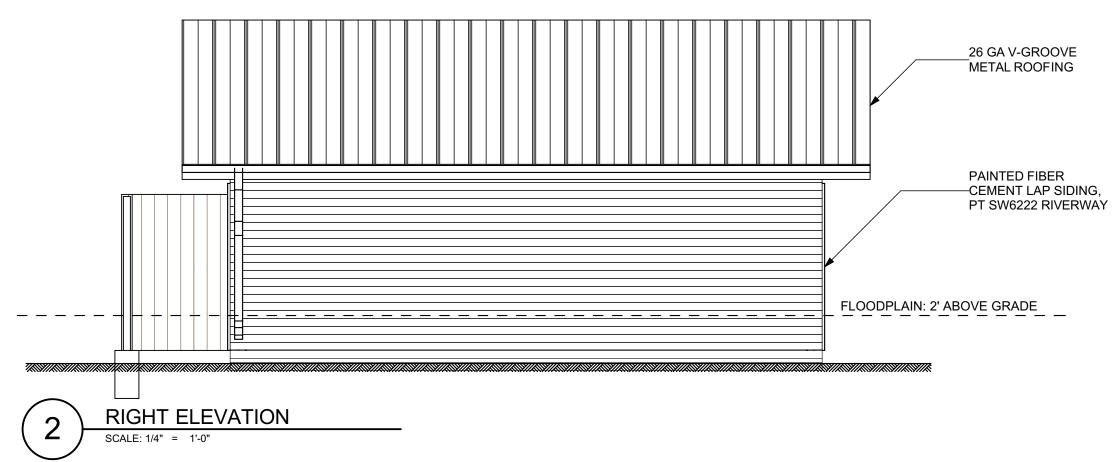
REQUIREMENTS PER SHEET P1.

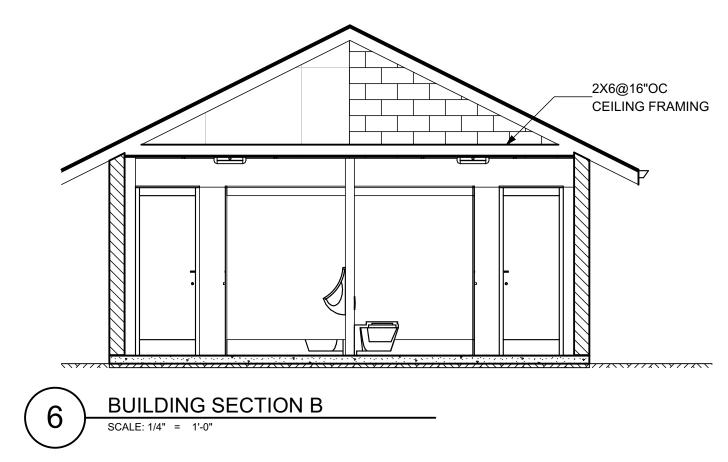
ACCESSORIES INCLUDE K-7605-P ANGLE SUPPLY W/ STOP (PAIR), AND K-8998 P-TRAP. SHALL BE INSTALLED TO ADA COMPLIANT HEIGHT; SEE P1.

(5) ADA DETAILS

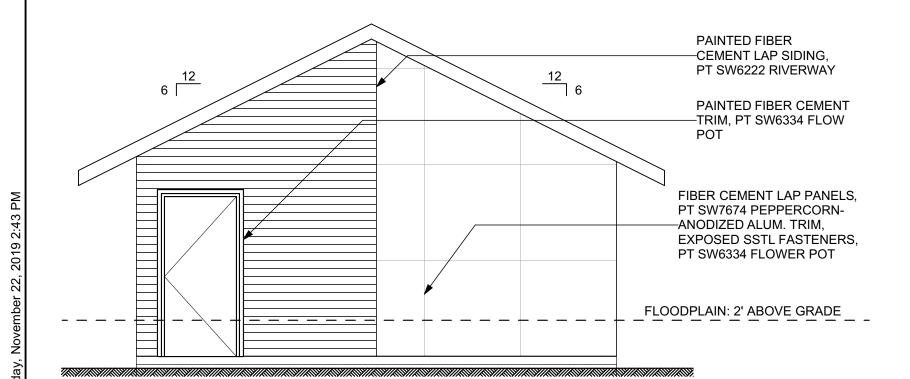
PLOTTED ON: 11/22/2019





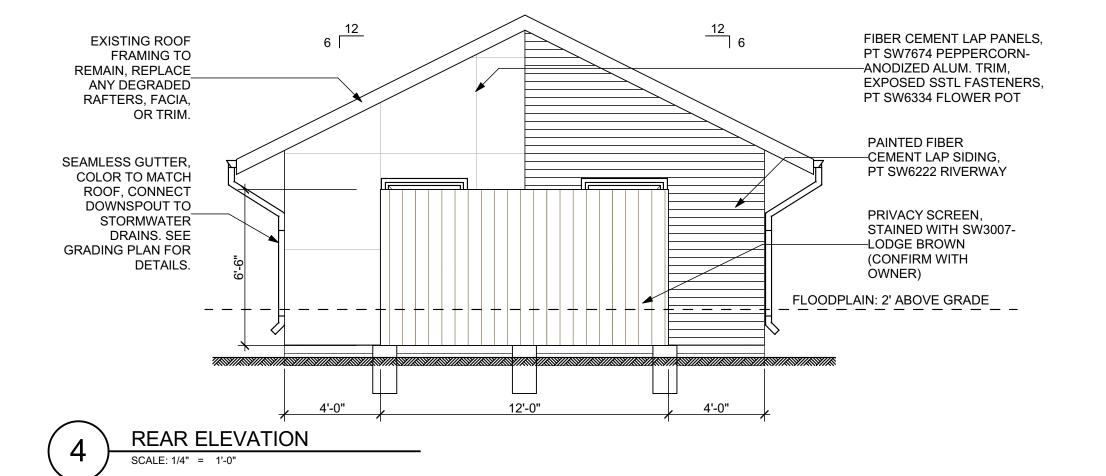


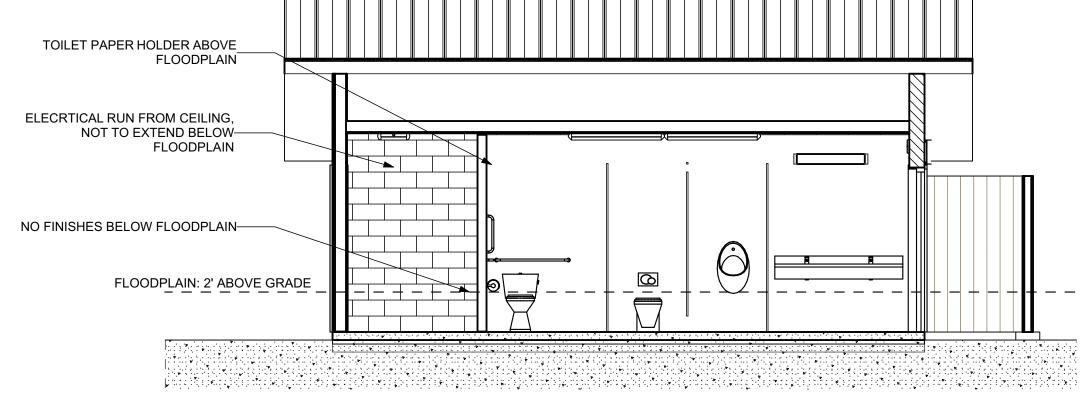
NOTES: COLORS NOTED ARE TO BE COORDINATED WITH OWNER AND ARE INTENDED TO MATCH THE NEARBY TRAIL CENTER BUILDING MATERIALS AND FINISHES.



FRONT ELEVATION

SCALE: 1/4" = 1'-0"





5 BUILDING SECTION A

SCALE: 1/4" = 1'-0"

ELEVATIONS

CAVIN BLEVINS

TOWN OF DAMASCUS

208 W. LAUREL AVENUE
DAMASCUS, VA 24236
276-783-5103 EXT 315
GBLEVINS@MRPDC.ORG
GBLEVINS@MRPDC.ORG
GBLEVINS@MRPDC.ORG
ACCURATE FIELD CONDITIONS. CONTRACTOR/INSTALLER IS RESPONSIBLE FOR VERIFYING ACCURACY AND FOR FINAL ASSEMBLY, FIT, AND FINISH. THESE DRAWINGS RELATEONLYTO THE STRUCTURA

PATRICK A. BEVILLE Lic. No. 052676

BEVILLE,

G02

AS NOTED

195001

PLOTTED ON: 11/22/2019

SCALE

DRAWN CHECKED

JOB#

#### **ELECTRICAL SCOPE:**

- 1. NEW ELECTRICAL UTILITY SERVICE AND EXTERIOR MAIN BREAKER PANEL.
- 2. NEW CONDUIT AND WIRING AS REQUIRED FOR (10) POLE MOUNTED LIGHTS.
- 3. NEW SUB PANEL FOR PAVILION RECEPTACLES AND LIGHTING.

#### **ELECTRICAL NOTES:**

- 1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NATIONAL
- ELECTRICAL CODE AND LOCAL CODES BY LICENSED ELECTRICAL CONTRACTOR.
- 2. ALL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE NEW AND LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY APPROVED BY THE STATE.
- 3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. CONTACT ENGINEER, AS APPROPRIATE, IF CONFLICTING OR PROHIBITIVE CONDITIONS ARE ENCOUNTERED. UNDERGROUND UTILITIES EXIST AND MUST BE PROPERLY MARKED BY CONTRACTOR PRIOR TO EXCAVATION.
- 4. ELECTRICAL CONTRACTOR TO PROVIDE SEPARATE NEUTRAL CONDUCTOR FOR EACH 120V CIRCUIT, AND INSULATED GROUND CONDUCTOR IN ALL CONDUIT RUNS.
- 5. ELECTRICAL PLANS TO LOCATE EQUIPMENT AND FIXTURES ONLY. FINAL WIRE SIZING AND OVERCURRENT PROTECTION PER NEC REQUIREMENTS.
- 6. FINAL CIRCUITS TO BE CLEARLY LABELED ON DISTRIBUTION PANEL BY CONTRACTOR.
- 7. ALL RECEPTACLE OUTLETS IN WET AREAS TO BE PROTECTED BY GFCI CIRCUITS.
- 8. ALL EXTERIOR WIRING SHALL BE COPPER SINGLE WIRE CONDUCTORS IN 3/4" PVC SCH 40CONDUIT, MINIMUM WIRE SIZING #12AWG. CONTRACTOR TO COORDINATE CONDUIT PLACEMENT AND RUNS WITH CONTRACTOR.
- 9. ALL INTERIOR WIRING TO BE #12AWG MIN MC CABLE OR EQUAL.
- 10. COORDINATE ELECTRICAL SERVICE AND METER PANEL LOCATIONS WITH LOCAL UTILITY.

#### 11. ALL GFI/WP RECEPTACLES TO HAVE IN-USE COVERS.

# NC ENERGY CODE: APPENDIX B ELECTRICAL SUMMARY 2012 NC ENERGY CONSERVATION

METHOD OF COMPLIANCE: PRESCRIPTIVE -

PERFORMANCE & ENERGY COST BUDGET

**LIGHTING SCHEDULE:** LAMP TYPE REQUIRED

NUMBER OF LAMPS IN FIXTURE **BALLAST TYPE** 

NUMBER OF BALLAST

TOTAL WATTAGE PER FIXTURE TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED:

**EXTERIOR LUMENS SPECIFIED VS ALLOWED:** 

ALLOWED = BASE SITE: LIGHTING ZONE 3 750W. TRADEABLE: UNCOVERED PARKING

.10W/SQFT + OPEN AREAS .5W/SQFT. NON-TRADEABLE: N/A 750+ (10,000\*.10) + (10,000\*.5) = 1,000+500 = 1,500 WATTS ALLOWED

SPECIFIED= 1300W

#### PANEL SCHEDULE: M1-PROPOSED

SEE LIGHTING SCHEDULE THIS PAGE

#### MAIN PANEL: EATON MODEL # MB2040B200BTF (OR PER UTILITY) MAIN 120/240 VOLTS 1-PHASE 3-WIRE 200-AMP MAIN 10 000AIC

	120/240 VOLTS T-PHASE 3-WIRE 200-AIVIP IVIAIN TO,000AIC									
				BUS A	BUS B					
CKT	BRK	WIRE	DESC	LOAD 1 (VA)	LOAD 2 (VA)	DESC	WIRE	BRK	СКТ	
1	20	12	PARKING LIGHTING	500	500	LIBERTY AVE LIGHTING	12	20	2	
3	20	12	PARKING AREA RECEPTACLES	1800	1800	LIBERTY AVE RECEPTACLES	12	20	4	
5-7	30	8	STAGE SUB-PANEL 120V	2360	2560	SIGN LIGHTING	12	15	6	
9	30	8	RESTROOM WATER HEATER 120V	4660	4860	RESTROOM LIGHTING	12	15	8	
11	30	8	RESTROOM HEATER (240)	3000	3200	PAVILION LIGHTING	12	15	10	
			SUBTOTAL=	12,320	9920					
				TOTAL=	19240					

NOTE: NEW PANEL TO UTILIZE 100AMP MAIN BREAKER IN METER PANEL. MAIN OCP SIZING AND CIRCUIT WIRE SIZING TO BE AS PER NEC AND CONFIRMED WITH ENGINEER PRIOR TO INSTALLATION. OPTION: LOCATE STREET LIGHT BREAKER IN METER PANEL.

TOTAL CONNECTED KVA: 9.3 TOTAL DEMAND KVA: 9.3 TOTAL DEMAND AMPS: 39

. PAVILION SUB-PANEL CIRCUITS TO BE CONFIRMED WITH OWNER. COMMENTS: -ELECTRICAL CONTRACTOR TO CONFIRM EQUIP WIRE RUNS,

SIZING, AND OVERCURRENT PROTECTION PER NEC WITH ENGINEER -LOADS ADJUSTED:- LIGHTS 125%, PUMP MOTOR- 125%, OTHER 100% NOTE: FINAL SIZING OF MAIN PANEL OCP TO BE CONFIRMED PER NEC ON SITE.

#### PANEL SCHEDULE: P1-PROPOSED

#### SUB PANEL 1: SQUARE D MODEL #SQUARE D QO 100 AMP 6-SPACE 12-CIRCUIT OUTDOOR MAIN LUG OR EQUAL

#### 120/240 VOLTS 1-PHASE 3-WIRE 10,000AIC

				BUS A	BUS B				
СКТ	BRK	WIRE	DESC	LOAD 1 (VA)	LOAD 2 (VA)	DESC	WIRE	BRK	CKT
1	20	12	STAGE RECEPT 1	500	500	STAGE RECEPT 2	12	20	2
3	20	12	STAGE RECEPT 3	500	500	STAGE RECEPT 4	12	20	4
5	20	12	STAGE RECEPT 5	500	500	STAGE RECEPT 6	12	20	6
7	20	12	STAGE RECEPT 7	500	500	STAGE RECEPT 8	12	20	8
9	20	12	LIGHTING	360	360	UPPER RECEPT	12	20	10
11			SPARE			SPARE			12
11			SUBTOTAL=	2360	2360				
13				TOTAL=	4720				

120V TANDEM OCP BREAKERS MAY BE REQUIRED. CONFIRM GFCI BREAKER OR GFCI PLUG OPTIONS WITH OWNER.

STAGE PANEL AND FEEDER WIRE RATED FOR 100A FOR FUTURE EXPANSION.

TOTAL CONNECTED KVA: 4.7

TOTAL DEMAND KVA: 4.7 TOTAL DEMAND AMPS: 20 SITE/ELECTRICAL PLAN

SCALE: 1" = 10'

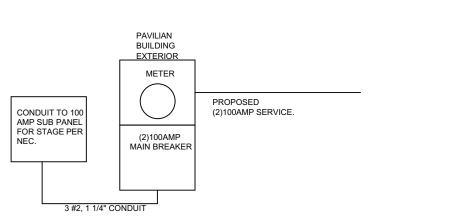
	ELECTRICAL SCHEDULE - PROPOSED								
KEY	QUANTITY	DESC	MANUFACTURER & #	WATTAGE	VOLTAGE	UL RATED FOR WET LOCATION	FINISH		
WP-GFCI	33	GFCI RECEPTACLE WP=WEATHERPROOF NOTE: AT BASE OF EACH LIGHT POLE (10) AND (18) AT PAVILIAN	COOPER TRAFGF15 OR EQUAL WITH #1991 HORIZONTAL OR #4966 VERTICAL WEATHERPROOF HOUSING	20AMP	120V	YES	PER OWNER		
	1	SUB-PANEL	SQUARE D MODEL #HOM612L100RBCP OR EQUAL	60AMP	120V	YES			
	1	METER BASE 200AMB 1PH	EATON MODEL # EATON MBT48B200BTS MAIN OR EQUAL	200AMP	120V-240V	YES			
	16	POLE AREA LIGHT	LANDSCAPE FORMS ASHBURY LIGHT 12' TYPE 5 BRONZE OR EQUAL	100W	240	YES	PER OWNER		

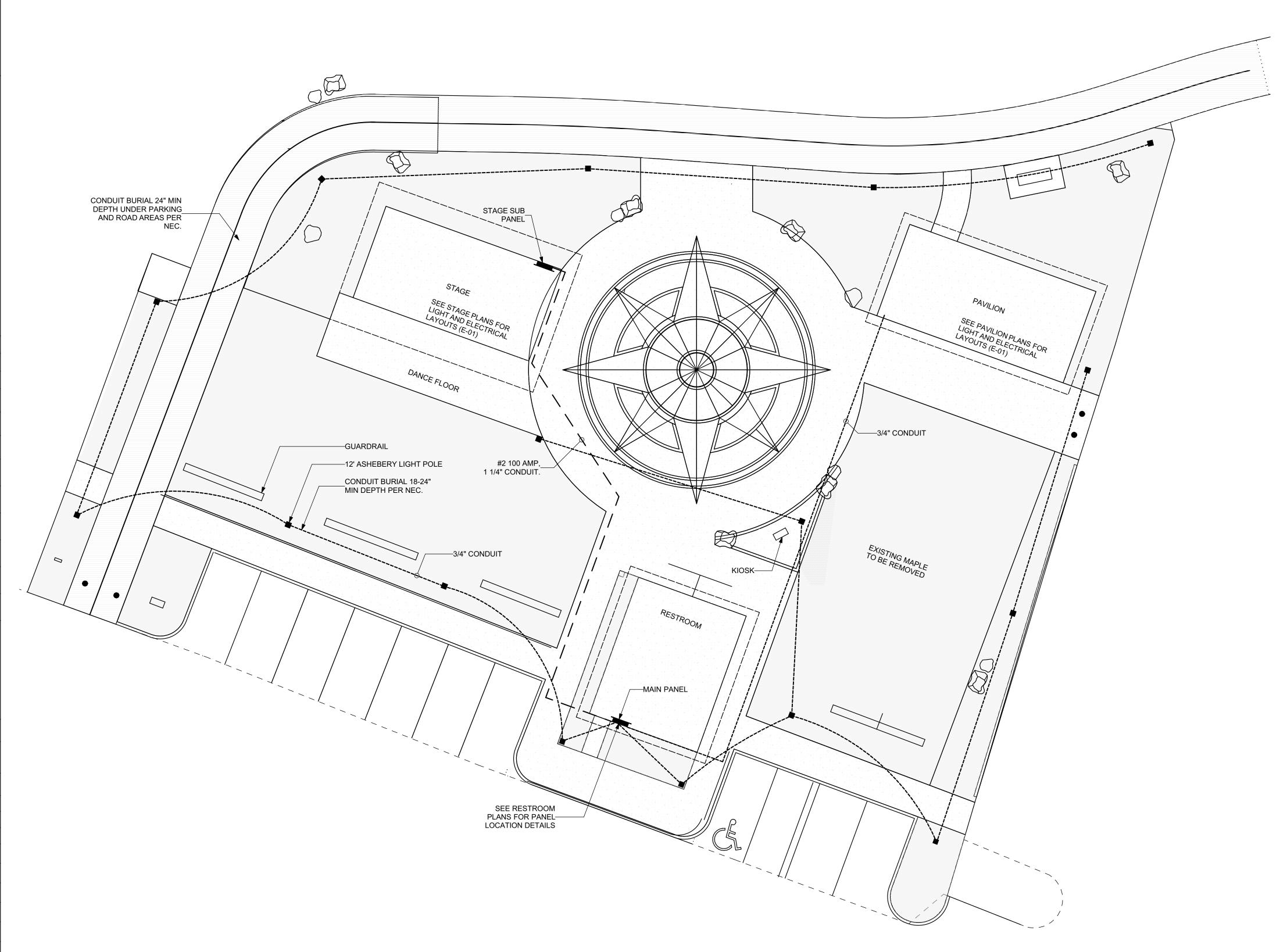
NOTE: 1. ALL INCANDESCENT LIGHT FIXTURES SHALL HAVE A U.L. LISTED LABEL INDICATING THE LAMP WATTAGE SPECIFIED ABOVE IS MAXIMUM ALLOWED IN FIXTURE. 2. LIGHTING FIXTURES ARE CONSIDERED 'OR EQUAL' IF STATED WATTAGE IS EQUAL OR LESS THAN SPECIFIED ABOVE, AS APPROVED BY OWNER. 3. CHANGES IN FIXTURES AND WATTAGE THAT WOULD INCREASE CIRCUIT AMPACITY OR REQUIRED OVER-CURRENT PROTECTION MUST BE APPROVED BY ENGINEER

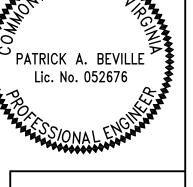
4. FINAL FINISH SCHEDULE PER OWNER. LED BULBS ARE SPECIFIED AS DIMMABLE 2700K BULBS UNLESS OTHERWISE NOTED. 5. ALL EXTERIOR OUTLETS TO BE GFCI NEMA 5-15R 1-GANG WITH SELF-CLOSING WEATHERPROOF LID TO MEET 2008 NEC 406.8 (A) AND 406.8 (B)(2) **UTILITY AND MAIN SERVICE PANEL NOTES:** 

1. ELECTRICIAN AND CONTRACTOR TO CONFIRM FINAL CIRCUIT OCP AND CONNECTIONS TO MAIN PANELS WITH ENGINEER PRIOR TO BEGINNING WORK.

2. FINAL WIRE AND CONDUIT SIZING DETERMINED BY SITE CONDITIONS. CONTRACTOR TO COORDINATE WIRE RUNS AND SIZING PER 2017 NEC WITH ENGINEER PRIOR TO INSTALLATION.







REVISION BY DATE 11/22/2019 AS NOTED

SCALE DRAWN CHECKED 195001 JOB#

PLOTTED ON: 11/22/2019