LEGEND

GFI — GFI RECEPTACLE

FLUORESCENT LIGHT IN BULKHEAD

OC $ — LIGHT SWITCH WITH OCCUPANCY SENSOR DUAL TECHNOLOGY TYPE

EMERGENCY LIGHT

LIGHTING FIXTURES:

1. A - 4' T-8 FLUORESCENT STRIP LIGHT MOBERN MODEL NO. 42132MV WITH 3500K LAMP.
2. B - EMERGENCY LIGHTING BATTERY UNIT W/2 1.1W LED LAMPS. EXITRONIX MODEL NO. LED-90.

ELECTRICAL SPECIFICATIONS:

ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, LATEST EDITION, AND ALL OTHER LOCAL AND STATE CODES.

ALL MATERIAL SHALL BE NEW AND WHERE APPLICABLE SHALL BE UL LABELED OR APPROVED. ALL REQUIRED WIRING FOR POWER & LIGHTING CONTROL SHALL BE PROVIDED BY THE CONTRACTOR.

UPON COMPLETION OF THE WORK, THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE THAT THE INSTALLATIONS ARE COMPLETE AND IN PROPER OPERATING ORDER WITH WIRING FREE FROM GROUNDS OR SHORTS AND WITH EQUIPMENT PROPERLY GROUNDED. THE ELECTRICAL CONTRACTOR SHALL TEST ALL EQUIPMENT AND DEVICES INSTALLED TO THE SATISFACTION OF THE OWNER.

WIRING METHOD SHALL BE:

ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR WIRING (POWER AND CONTROL) INSTALLED EXPOSED WITHIN THE ELECTRICAL ROOM AND UNFINISHED SPACES. EMT SHALL BE PROVIDED FOR DROPS IN THE WALLS FOR TELECOMMUNICATIONS. PROVIDE ALL REQUIRED RACEWAYS FOR TELECOMMUNICATIONS.

MC CABLE SHALL BE USED FOR WIRING INSTALLED CONCEALED WITHIN THE BUILDING STRUCTURE. MC CABLE WITH CONTROL CONDUCTORS MAY BE USED FOR DIMMABLE LIGHTING CIRCUITRY.

WIRE SHALL BE TYPE THHN/THWN-2 WITH A COPPER CONDUCTOR. MINIMUM WIRE SIZE SHALL BE #12 FOR POWER WIRING.

MINIMUM SIZE CONDUIT SHALL BE 3/4". ALL RACEWAYS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING STRUCTURE.

ALL OUTLET BOXES SHALL BE OF STEEL CONSTRUCTION.

COMPLETE CIRCUIT DIRECTORIES IN ALL PANEL-BOARDS. IDENTIFY ALL CONDUCTORS IN BOXES AND CABINETS.

ALL RECEPTACLES AND LIGHTING SWITCHES SHALL BE LABELED WITH CIRCUIT NUMBER. THE WORK SHALL INCLUDE RE-LABELING THE EXISTING DEVICES WHERE THE BRANCH CIRCUIT WAS CHANGED UNDER THIS CONTRACT.

CONVENIENCE OUTLETS: HUBBELL NO. NO. GFRST20 SERIES, 20 AMPERE, 125 VOLT, GROUND FAULT CIRCUIT INTERRUPTER, DUPLEX RECEPTACLE. COLOR BY ARCHITECT

WALL PLATES: INTERIOR TYPE SHALL BE NYLON, COLOR BY ARCHITECT. EXTERIOR TO THE BUILDING SHALL BE WEATHERPROOF TYPE, TAYMAC 20000 SERIES, SELF CLOSING SPRING DOOR, GASKETED, POLY-CARBONATE CONSTRUCTION.

SOC - OCCUPANCY SENSOR WALL SWITCH 120 VOLT PASSIVE DUAL TECHNOLOGY, WALL SWITCH OCCUPANCY SENSOR. ADJUSTABLE UP TO 30 MIN. OFF. HUBBELL NO. AD2000 SERIES. COLOR BY ARCHITECT.

ALL LIGHTING FIXTURES SHALL BE ANCHORED TO THE WALL OR CEILING IN A SECURE MANNER AND SUPPORTED INDEPENDENT OF THE OUTLET BOX.

PROVIDE ALL FUSES, DISCONNECT SWITCHES, BREAKERS AND MISCELLANEOUS DEVICES REQUIRED FOR A COMPLETE OPERATING SYSTEM. ALL FUSES SHALL BE TIME DELAY TYPE. DISCONNECT SWITCHES AND MOTOR STARTERS ARE TO BE SQUARE D OR EQUAL SIEMENS OR CUTLER HAMMER.

EQUIPMENT AND DEVICES MOUNTING HEIGHTS SHALL BE A MINIMUM OF 42" AFF, UNLESS INDICATED OTHERWISE. COORDINATE MOUNTING HEIGHTS OF RECEPTACLES WITH EQUIPMENT BEING INSTALLED. SWITCHES SHALL BE MOUNTED AT 48" AFF.

ALL GROUNDING SHALL BE IN STRICT ACCORDANCE WITH THE LATEST NEC REQUIREMENTS. METALLIC PARTS TO BE GROUNDED SHALL INCLUDE CABINETS, PANELBOARDS, CONDUIT, OUTLET BOXES, FIXTURES, CONTROLS AND TRANSFORMERS. A GROUND CONDUCTOR SHALL BE INSTALLED IN ALL RACEWAYS.

CONTRACTOR TO VERIFY ALL CONDITIONS AT SITE PRIOR TO BIDDING AND BEGINNING OF WORK.

ALL EQUIPMENT, CONDUIT, WIRE AND OTHER ELECTRICAL DEVICES THAT BECOME INACTIVE UNDER THIS PROJECT SHALL BE REMOVED IN THEIR ENTIRITY. THE WORK SHALL INCLUDE TELECOMMUNICATIONS WIRING. ALL WIRING TO BE REMOVED BACK TO ITS SOURCE.

FWA JOB NUMBER
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DEDC Project # 19P368

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY JOHN R. FARINA, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 30332, EXPIRATION DATE: 9/23/20."

19P368
STATE OF MARYLAND
JOHN FARINA
No. 30332
PROFESSIONAL ENGINEER
DEDC, LLC
JOHN R. FARINA, PE
MD# 30332
6/17/20

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ORIGINAL SIZE
0 1" 2" 3" 4"
1/8 3/8 1/2 1/10

NO.	DATE	REVISION DESCRIPTION

DIO — DIRECTORATE OF INSTALLATION OPERATIONS
ENGINEERING & CONSTRUCTION DIVISION
ABERDEEN PROVING GROUND, MARYLAND

DESIGNED DEDC
DRAWN DEDC
CHECKED DEDC
DATE 06/17/2020
SPEC. NO.
BLDG. NO. 4504
SCALE AS NOTED

TOILET ROOM RENOVATIONS FOR APG BUILDING 4504

ABERDEEN PROVING GROUND, ABERDEEN MARYLAND

NOTES, LEGEND, & ABBREVIATIONS

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DRAWIN
SHEE
7 OF

AS-
MF#