

9/16/2024 12:08:32 PM TY001
Autodesk Docs\\US_D3\\75450_FED_Aerojet Rocketdyne\\03754500_CMDN_OSD_Control-Room-2_TCOM-SEC.rvt

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SECURITY SYMBOLS

GFCI CCTV CAMERA, FIXED
W = WALL
C = CEILING
R = ROOF/PARAPET
P = POLE

GFCI CCTV CAMERA, PAN-TILT-ZOOM
W = WALL
C = CEILING
R = ROOF/PARAPET
P = POLE

HID RP40 CARD READER

HID RPK40 CARD READER WITH KEYPAD

KEYPAD

ELECTRIFIED LOCK SET w/INTEGRAL REX (PROVIDED BY DIV.8)

360° PASSIVE INFRARED/MICROWAVE SENSOR

PASSIVE INFRARED/MICROWAVE SENSOR

DOOR POSITION SWITCH

CCTV MONITOR

ALARM MONITORING WORKSTATION

VANDERBILT ACCESS CONTROL SYSTEM PANEL

DMP INTRUSION DETECTION SYSTEM PANEL

DIAL COMBINATION LOCK (PROVIDED BY DIV. 8)

120VAC POWER (PROVIDED BY DIV.26)

DATA CONNECTION (PROVIDED BY DIV.27)

DoD 5200.01 BOUNDARY

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GENERAL NOTES

1. CONTRACTOR MUST FIELD VERIFY EQUIPMENT LOCATIONS PRIOR TO THE START OF INSTALLATION. ANY CONFLICTS MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT.

2. MINIMUM CONDUIT SIZE MUST BE 3/4" WITH THE EXCEPTION OF "DROP CONDUITS" AT DOOR LOCATIONS, WHICH MAY BE 1/2". ALL CONDUITS MUST BE EMT; EXCEPTIONS INCLUDE:

2.1 RIGID STEEL FOR EXPOSED AREAS OR AREAS ACCESSIBLE TO UNSCREENED PERSONS

2.2 PVC FOR BURIED OR CAST-IN-PLACE CONDUITS

2.3 GALVANIZED RIGID STEEL FOR EXTERIOR CONDUITS

2.4 FLEXIBLE CONDUIT FOR CONCEALED DROPS TO DOOR DEVICES

3. CONDUIT FILL MUST NOT EXCEED 40%. INSTALLATION OF CONDUIT AND WIRING MUST BE IN COMPLIANCE WITH NATIONALELECTRICAL CODE (NEC). ALL WIRING MUST BE HOMERUN, UNLESS OTHERWISE NOTED. ANY SPLICES MUST BE APPROVED BY THE DESIGNER.

4. SECURITY CONTROL CONDUCTORS MUST BE SHIELDED COPPER AND MINIMUM 18 AWG, UNLESS OTHERWISE NOTED. SECURITY CONDUCTORS MUST NOT SHARE CONDUIT WITH CONDUCTORS OF OTHER TRADES. SECURITY CONTRACTOR MUST BE RESPONSIBLE FOR ENSURING THAT HIGH VOLTAGE (120 VAC) POWER CONDUCTORS ARE NOT ROUTED WITHIN 12 INCHES OF SECURITY CONTROL WIRING. ALL CONDUCTORS MUST BE COLOR CODED AND TAGGED AS DESCRIBED IN THE WRITTEN SPECIFICATIONS AND APPROVED BY THE DESIGNER.

5. THE CONTRACTOR MUST INSTALL ALL COMPONENTS USING MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES. ALL MATERIALS MUST BE NEW AND UNUSED.

6. CONDUITS PENETRATING FIRE RATED WALLS OR FLOORS MUST USE U.L. APPROVED DEVICES IN ORDER TO MAINTAIN FIRE RATING OF THE WALL OR FLOOR.

7. ALL SECURITY CABLING MUST BE INSTALLED IN CONDUIT.

8. THE CONTRACTOR MUST MAINTAIN ALL CABLE MINIMUM BENDING RADII ACCORDING TO THE CABLE MANUFACTURER.

9. THE CONTRACTOR MUST COORDINATE THE WORK OF THEIR TRADE WITH THAT OF THE OTHER TRADES ON THE JOB. CONFLICTS WITH OTHER TRADES MUST BE BROUGHT TO THE ATTENTION OF THE AR REPRESENTATIVE PRIOR TO INSTALLATION. WORK MUST ALSO BE COORDINATED AROUND PORTABLE AND MOBILE EQUIPMENT.

10. ALL WORK MUST COMPLY WITH ALL APPLICABLE CODES, AMENDMENTS, RULES, REGULATIONS, ORDINANCES, LAWS, ORDERS, APPROVALS, ETC. THAT ARE REQUIRED BY PUBLIC AUTHORITIES. IN THE EVENT OF CONFLICT, THE MOST STRINGENT REQUIREMENTS MUST GOVERN.

11. THE CONTRACTOR MUST SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE MUST BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

APPLICABLE CRITERIA

32 CFR 117 NATIONAL INDUSTRIAL SECURITY PROGRAM OPERATING MANUAL (NISPOM)

IENSA LIGHTING PRACTICE AND RECOMMENDED PRACTICE STANDARDS, 2022

NFPA 70, NATIONAL ELECTRIC CODE, 2020

NFPA 496, EXPLOSIVES MATERIAL CODE

NFPA 101, LIFE SAFETY CODE, 2021

DoD MANUAL 5100.76, PHYSICAL SECURITY OF SENSITIVE CONVENTIONAL ARMS, AMMUNITION, AND EXPLOSIVES, 2020

DoD 4145, CONTRACTOR'S SAFETY MANUAL FOR AMMUNITION AND EXPLOSIVES, 2018

AEROJET ROCKETDYNE, SECURITY IN DEPTH

ABBREVIATIONS

A

ACS ACCESS CONTROL SYSTEM

AFC ABOVE FINISHED CEILING

AFF ABOVE FINISHED FLOOR

AFG ABOVE FINISHED GRADE

ANN ANNUNCIATOR

ARCH ARCHITECTURAL

AV AUDIO AND VISUAL

AWG AMERICAN WIRE GAGE

B

BAS BUILDING AUTOMATION SYSTEM

BATT BATTERY

BB BACKBONE

BBV BACKBONE VOICE

BEPB BUILDING ENTRANCE PROTECTION BLOCKS

BFPP BACKBONE FIBER PATCH PANEL

BLDG BUILDING

BMS BALANCED MAGNETIC SWITCH

BVPP BACKBONE VOICE PATCH PANEL

C

C CONDUIT

CAB CABINET

CAT CATEGORY

CCTV CLOSED CIRCUIT TELEVISION

CLG CEILING

CMH COMMUNICATIONS MANHOLE

COB CENTER OF BOX

COM COMMUNICATIONS

M

CON CONSTRUCTION

ST ROOM

CONT CONTINUATION

D

DIA DIAMETER

DIST DISTRIBUTION

DWG DRAWING

E

EF ENTRANCE FACILITY

EL ELEVATION

ELEC ELECTRICAL

ELEV ELEVATOR

EME EMERGENCY

R

EQPT EQUIPMENT

EX EXISTING

F

FA FIRE ALARM

FACP FIRE ALARM CONTROL PANEL

FIXT FIXTURE

FLR FLOOR

FO FIBER OPTIC

FOC FIBER OPTIC CABLE

G

GFCI GOVERNMENT FURNISHED CONTRACTOR INSTALLED

H

HCPP HORIZONTAL COPPER PATCH PANEL

HFPP HORIZONTAL FIBER PATCH PANEL

HOV HORIZONTAL VOICE

HVPP HORIZONTAL VOICE PATCH PANEL

I

IDS INTRUSION DETECTION SYSTEM

J

JB JUNCTION BOX

M

MFR MANUFACTURER

MH MOUNTING HEIGHT

MMF MULTI MODE FIBER

MTD MOUNTED

N

NIC NOT IN CONTRACT

NTS NOT TO SCALE

O

OH OVERHEAD

OSP OUTSIDE PLANT

P

PA PUBLIC ADDRESS

PB PULL BOX

PBB PRIMARY BONDING BUSBAR

PBX PRIVATE BRANCH EXCHANGE

PC PERSONAL COMPUTER

PLAS PLASTIC

PP PATCH PANEL

PR PAIR

PWR POWER

Q

QTY QUANTITY

R

RAF RAISED ACCESS FLOOR

RBB RACK BONDING BUSBAR

RBC RACK BONDING CONDUCTOR

RECP RECEPTACLE

REQ REQUIRED

D

RGS RIGID GALVANIZED STEEL

RM ROOM

RSC RIGID STEEL CONDUIT

S

SBB SECONDARY BONDING BUSBAR

SCRT SECURITY

SECT SECTION

SM SINGLE MODE

SMF SINGLE MODE FIBER

SP SERVICE PROVIDER

SPEC SPECIFICATION

STR STRAND

SURF SURFACE

SW SWITCH

SYM SYMMETRICAL

SYS SYSTEMS

T

TBB TELECOMMUNICATIONS BONDING BACKBONE

TBC TELECOMMUNICATIONS BONDING CONDUCTOR

TEBC TELECOMMUNICATIONS EQUIPMENT

TEL TELEPHONE

TELE TELECOMMUNICATIONS

COM

TER TELECOMMUNICATIONS EQUIPMENT ROOM

TR TELECOMMUNICATIONS ROOM

TYP TYPICAL

U

UG UNDERGROUND

UON UNLESS OTHERWISE NOTED

UPS UNINTERRUPTIBLE POWER SUPPLY

W

WP WEATHERPROOF

X

XFR TRANSFER

XP EXPLOSION PROOF

1

2

3

4

5

SCHEDULES

CABLE TYPE

DESCRIPTION

USE

COMPOSITE: 3PR 18AWG, 4C 16AWG, 6C 18AWG CMP

DOOR INTERFACE BOX

2 PAIR 24AWG

RS485

1PR 22AWG, SHLD + 2C 16AWG PWR

CARD READER OSDP

6C 22AWG, SHLD

CARD READER WIEGAND

2C 18AWG CMP

DPS

6C 22AWG CMP

HSS/BMS

4C 18AWG CMP

REX

4C 16AWG CMP

24VDC LOCK POWER

2C 20AWG CMP

TAMPER

4C 20AWG, SHLD

ALARM SENSOR

3PR 18AWG, SHLD

ALARM SENSOR

2C 16AWG, SHLD

LOW VOLTAGE POWER

3C 12AWG DIRECT BURY

LINE VOLTAGE

12C, 9um SMF CMP

COMM SMF

6C, 62.5um MMF CMP

COMM MMF

CAT6 CABLE, 4 UTP

VIDEO SURVEILLANCE

JACOBS

1999 Bryan Street Suite 300 Dallas, TX 75201
Tel: 214-636-0145 Fax: 214-636-0447
Entity: Jacobs Engineering Group Inc.
License Type: Engineering
Exp. Date: 12/31/2024

09/18/2024

BOARD CERTIFIED
MICHAEL GROSE
INTERNATIONAL
10.1.19
PHYSICAL SECURITY PROFESSIONAL

Control-Room-2
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

SECURITY
GENERAL NOTES, ABBREVIATIONS
AND SYMBOLS

SHEET NO
TY001

SCALE As indicated

DATE 09/18/2024

PROJ D3754502

DWG CMDN-OSD_Control-Room-2_TY001

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