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Autodesk Docs/US_D3754502_FED_Aerojet Rocketdyne/D3754502_CMDN_OSD_Grinder_T0004SEC.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

120VAC POWER (PROVIDED BY DIV.26)

DATA CONNECTION (PROVIDED BY DIV.27)

PATH PANEL (BY DIV 27)

NETWORK SWITCH

SCHEDULES

CABLE SCHEDULE

CABLE TYPE	DESCRIPTION	USE
(A)	COMPOSITE: 3PR 18AWG, 4C 16AWG, 6C 18AWG CMP	DOOR INTERFACE BOX
(B)	2 PAIR 24AWG	RS485
(C)	1PR 22AWG, SHLD + 2C 16AWG PWR	CARD READER OSDP
(D)	6C 22AWG, SHLD	CARD READER WIEGAND
(E)	2C 18AWG CMP	DPS
(F)	6C 22AWG CMP	HSS/BMS
(G)	4C 18AWG CMP	REX
(H)	4C 16AWG CMP	24VDC LOCK POWER
(J)	2C 20AWG CMP	TAMPER
(K)	4C 20AWG, SHLD	ALARM SENSOR
(L)	3PR 18AWG, SHLD	ALARM SENSOR
(M)	2C 16AWG, SHLD	LOW VOLTAGE POWER
(N)	3C 12AWG DIRECT BURY	LINE VOLTAGE
(O)	12C, 9um SMF CMP	COMM SMF
(P)	6C, 62.5um MMF CMP	COMM MMF
(Q)	CAT6 CABLE, 4 UTP	VIDEO SURVEILLANCE

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

MFR MANUFACTURER

AFC ABOVE FINISHED CEILING

MH MOUNTING HEIGHT

AFF ABOVE FINISHED FLOOR

MMF MULTI MODE FIBER

AFG ABOVE FINISHED GRADE

MTD MOUNTED

ANN ANNUNCIATOR

N

ARCH ARCHITECTURAL

N

AV AUDIO AND VISUAL

NIC NOT IN CONTRACT

AWG AMERICAN WIRE GAGE

NTS NOT TO SCALE

B

O

BAS BUILDING AUTOMATION SYSTEM

OH OVERHEAD

BATT BATTERY

OSP OUTSIDE PLANT

BB BACKBONE

P

BBV BACKBONE VOICE

PA PUBLIC ADDRESS

BEPB BUILDING ENTRANCE PROTECTION BLOCKS

PB PULL BOX

BFPP BACKBONE FIBER PATCH PANEL

PBB PRIMARY BONDING BUSBAR

BLDG BUILDING

PBX PRIVATE BRANCH EXCHANGE

BMS BALANCED MAGNETIC SWITCH

PC PERSONAL COMPUTER

BVPP BACKBONE VOICE PATCH PANEL

PLAS PLASTIC

PP PATCH PANEL

PR PAIR

PWR POWER

C

Q

C CONDUIT

QTY QUANTITY

CAB CABINET

R

CAT CATEGORY

RAF RAISED ACCESS FLOOR

CCTV CLOSED CIRCUIT TELEVISION

RBB RACK BONDING BUSBAR

CLG CEILING

RBC RACK BONDING CONDUCTOR

CMH COMMUNICATIONS MANHOLE

RECP RECEPTACLE

COB CENTER OF BOX

REQ REQUIRED

COM COMMUNICATIONS

D

M

RGS RIGID GALVANIZED STEEL

CON CONSTRUCTION

RM ROOM

ST

RSC RIGID STEEL CONDUIT

CONT CONTINUATION

S

D

SBB SECONDARY BONDING BUSBAR

DIA DIAMETER

SCRT SECURITY

DIST DISTRIBUTION

SECT SECTION

DWG DRAWING

SM SINGLE MODE

E

SMF SINGLE MODE FIBER

EF ENTRANCE FACILITY

SP SERVICE PROVIDER

EL ELEVATION

SPEC SPECIFICATION

ELEC ELECTRICAL

STR STRAND

ELEV ELEVATOR

SURF SURFACE

EME EMERGENCY

SW SWITCH

R

SYM SYMMETRICAL

EQPT EQUIPMENT

SYS SYSTEMS

EX EXISTING

T

F

TBB TELECOMMUNICATIONS BONDING BACKBONE

FA FIRE ALARM

TBC TELECOMMUNICATIONS BONDING CONDUCTOR

FACP FIRE ALARM CONTROL PANEL

TEBC TELECOMMUNICATIONS EQUIPMENT

FIXT FIXTURE

TEL TELEPHONE

FLR FLOOR

TELE TELECOMMUNICATIONS

FO FIBER OPTIC

COM

FOC FIBER OPTIC CABLE

TER TELECOMMUNICATIONS EQUIPMENT ROOM

G

TR TELECOMMUNICATIONS ROOM

GFCI GOVERNMENT FURNISHED CONTRACTOR INSTALLED

TYP TYPICAL

H

U

HCPP HORIZONTAL COPPER PATCH PANEL

UG UNDERGROUND

HFPP HORIZONTAL FIBER PATCH PANEL

UON UNLESS OTHERWISE NOTED

HOV HORIZONTAL VOICE

UPS UNINTERRUPTIBLE POWER SUPPLY

HVPP HORIZONTAL VOICE PATCH PANEL

W

I

WP WEATHERPROOF

IDS INTRUSION DETECTION SYSTEM

X

J

XFR TRANSFER

JB JUNCTION BOX

XP EXPLOSION PROOF

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09/18/2024

BOARD CERTIFIED

ASIS

INTERNATIONAL

2011-19

PROFESSIONAL SECURITY PRACTICE

Grinder

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_Grinder_TY001

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