


















SECURITY SYMBOLS

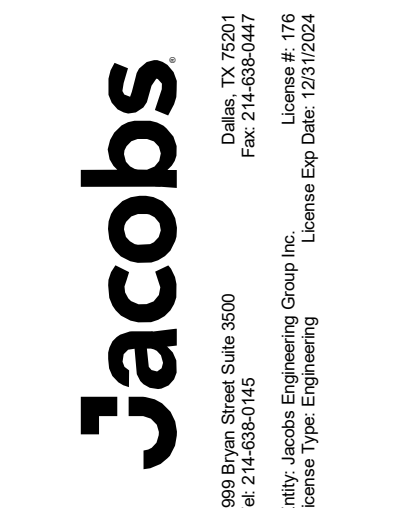
	GFOI CCTV CAMERA, FIXED W = WALL C = CEILING R = ROOF/PARAPET P = POLE
	GFOI CCTV CAMERA, PAN-TILT-ZOOM W = WALL C = CEILING R = ROOF/PARAPET P = POLE
	HID RP40 CARD READER
	HID RPK40 CARD READER WITH KEYPAD
	KEYPAD
	ELECTRIFIED LOCK SET w/INTEGRAL REX (PROVIDED BY DIV.8)
	360° PASSIVE INFRARED/MICROWAVE 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

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 CONDUIT 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 NATIONAL ELECTRICAL 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 ARCHITECT 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.

ABBREVIATIONS

ACS	ACCESS CONTROL SYSTEM	S	
AFC	ABOVE FINISHED CEILING	SBB	SECONDARY BONDING BUSBAR
AFF	ABOVE FINISHED FLOOR	SCRT	SECURITY
AFG	ABOVE FINISHED GRADE	SECT	SECTION
ANN	ANNUNCIATOR	SM	SINGLE MODE
ARCH	ARCHITECTURAL	SMF	SINGLE MODE FIBER
AV	AUDIO AND VISUAL	SP	SERVICE PROVIDER
AWG	AMERICAN WIRE GAGE	SPEC	SPECIFICATION
		STR	STRAND
		SURF	SURFACE
B		SW	SWITCH
BAS	BUILDING AUTOMATION SYSTEM	SYM	SYMMETRICAL
BATT	BATTERY	SYS	SYSTEMS
BB	BACKBONE		
BBV	BACKBONE VOICE	T	
BEPB	BUILDING ENTRANCE PROTECTION BLOCKS	TBB	TELECOMMUNICATIONS BONDING BACKBONE
BFPF	BACKBONE FIBER PATCH PANEL	TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
BLDG	BUILDING		
BMS	BALANCED MAGNETIC SWITCH	TEBC	TELECOMMUNICATIONS EQUIPMENT
BVPF	BACKBONE VOICE PATCH PANEL	TEL	TELEPHONE
		TELEC	TELECOMMUNICATIONS
C		OM	
C	CONDUIT	TER	TELECOMMUNICATIONS EQUIPMENT ROOM
CAB	CABINET	TR	TELECOMMUNICATIONS ROOM
CAT	CATEGORY	TRP	TYPICAL
CCTV	CLOSED CIRCUIT TELEVISION		
CLG	CEILING	U	
CMH	COMMUNICATIONS MANHOLE	UG	UNDERGROUND
COB	CENTER OF BOX	UON	UNLESS OTHERWISE NOTED
COMM	COMMUNICATIONS	UPS	UNINTERRUPTIBLE POWER SUPPLY
CONST	CONSTRUCTION		
CONT	CONTINUATION	W	
		WP	WEATHERPROOF
D			
DIA	DIAMETER	X	
DIST	DISTRIBUTION	XFR	TRANSFER
DWG	DRAWING	XP	EXPLOSION PROOF



APPLICABLE CRITERIA

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

SCHEDULES

CABLE SCHEDULE		
CABLE TYPE	DESCRIPTION	USE
(A)	COMPOSITE: 3PR 18AWG, 4C 16AWG 6C 18AWG CMP	DOOR INTERCEPT BOX
(B)	2 PAIR 22AWG	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	HSSBMS
(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

[illegible]

GMLRS
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

ELECTRONIC SECURITY SYSTEM
SYMBOLS, ABBREVIATIONS, AND
GENERAL NOTES

SHEET NO.

TY001

SCALE	As indicated
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DATE	09/18/202
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PROJ	D375450
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