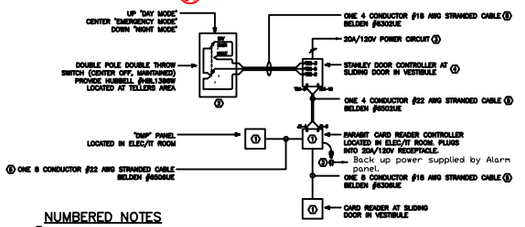
07/27/2012

2 SLIDING DOOR/CARD READER/SECURITY INTERFACE
E-1 SCALE: NTS



NUMBERED NOTES

1. Securitas FURNISHES AND INSTALLS DEVICE AND MAKES VOLTAGE TERMINATIONS.
2. EC FURNISHES AND INSTALLS SWITCH AND MAKES LOW VOLTAGE TERMINATIONS.
3. EC FURNISHES AND INSTALLS 120V POWER AS INDICATED.
4. STANLEY FURNISHES AND INSTALLS SLIDING DOOR & DOOR CONTROLLER. EC MAKES ALL LOW VOLTAGE TERMINATIONS TO STANLEY DOOR CONTROLLER.
5. LVC FURNISHES AND INSTALLS LOW VOLTAGE CABLE.

REV 1

GENERAL NOTES

1. COORDINATE OUTLET CABLING REQUIREMENTS WITH LEGEND.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL GENERAL, WARRANTY PRODUCT, AND EXECUTION REQUIREMENTS.
3. CCTV CAMERAS, DVR(S), MONITOR(S) AND SECURITY SYSTEM EQUIPMENT TO BE PROVIDED AND INSTALLED BY SECURITAS. THE ELECTRICAL EC SHALL PROVIDE & INSTALL ALL LOW VOLTAGE CABLING AND RACEWAYS FOR THE SECURITY EQUIPMENT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS. BY SECURITAS. THE EC SHALL PROVIDE ALL SUPPORT HARDWARE, POWER AND ASSOCIATED EQUIPMENT TO PROVIDE A COMPLETE SYSTEM. THE EC SHALL COORDINATE ALL WORK WITH SECURITAS INSTALLER.
4. ALL WIRING SHOULD BE PLENUM RATED UNLESS OTHERWISE NOTED.
5. FIELD VERIFY EXACT LOCATION AND ROUTING WITH OWNER PRIOR TO SUBMITTING BIDS.
6. WALL MOUNTED CAMERAS OPTIMAL MOUNTING HEIGHT 90" FROM FLOOR
7. LCD MONITOR- INSTALL HEIGHT 80" CENTER FROM THE FLOOR REQUIRES A RECESSED 110VAC RECEPTACLE AT 80" FROM FLOOR THE MONITOR IS EXPECTED TO HIDE THE RECEPTACLE.

NUMBERED NOTES

1. JUNCTION BOX FOR ATM CAMERA WIRING WITH 1" CONDUIT AND RG59 CABLE RUN TO DVR LOCATION.
2. DRIVE THRU CAMERAS SHALL BE CONNECTED TO THE VIDEO SYSTEM DVR. TWO (2) RG59U COAXIAL CABLES SHALL BE RUN FROM THE DRIVE THRU AUDIO/VIDEO CONTROL TO THE DVR IN THE MDF.
3. ATM CARD READER CABLING SHALL BE PULLED TO THE HOUSING AND TERMINATED AT CARD READER. FIELD VERIFY EXACT CABLING ROUTING AND LOCATION PRIOR TO SUBMITTING BIDS.
4. 5" STACKING CAMERA MONITOR.
5. HEAVY DUTY KNOX BOX WITH RECESSED MOUNTING KIT (3200 RMK) UNLESS OTHERWISE REQUIRED BY LOCAL JURISDICTION. PROVIDED BY OWNER. COORDINATE EXACT LOCATION WITH LOCAL FIRE DEPARTMENT.
6. OVERRIDE SWITCHES FOR DAY / NIGHT MODE (DEACTIVATE INTERIOR MOTION SENSOR) & EMERGENCY CLOSE / LOCK (DEACTIVATE EXTERIOR, INTERIOR MOTION SENSORS & CARD READER. PROVIDE 3/4"CONDUIT TO SECURITY SYSTEM CONTROL PANEL AS REQUIRED BY SECURITAS ELECTRONIC SECURITY

Device Heights: From floor unless noted.

1. Motion detectors 90-inches
2. Alarm(IND)lamps 60-inches
3. Wall mounted HUB 48-inches
4. DMP Keypad48-54 inches. (Light switch height)
5. Typical installation height for the vestibule card reader is 42 inches.
6. LCD Monitor - Typical installation height for the monitor is 80 inches center from the floor. It requires Installation of a 110vac recessed receptacle at 80 inches from the floor. The LCD monitor is expected to hide the receptacle.
7. Wall mounted cameras - when wall mounting the optimal height is 90-inches from the floor.
8. Teller line Cameras - Typically cameras to be mounted beneath counter. When wall-mounted, cameras 90"a.f.f. optimum. (note: must wall mount if ceiling is greater than 9'-0")Height
9. Strip Camera - Drill a ¾ inch hole exactly 5 feet 3 inches from floor for camera cables. The 5 foot mark on the housing will align 5 feet from the floor.

SYMBOLS LIST

STACK — CCTV CAMERA IN ENVIRONMENTAL ENCLOSURE TO VIEW DU STACKING
FURNISH AND INSTALL TYPE "N" AND "G" CABLES TO THE DVR CONTROL IN THE MDF.

ATM — ATM CAMERA ON ATM VENDOR SUPPLIED MOUNT
FURNISH AND INSTALL TYPE "N" AND "G" CABLES TO THE DVR CONTROL IN THE MDF.

STICK 7.5 - 50 MM — CCTV CAMERA ON A STICK MOUNT WITH 7.5 - 50 MM LENS
FURNISH AND INSTALL TYPE "N" AND "G" CABLES TO THE DVR CONTROL IN THE MDF.

STICK 2.8 -12 MM — CCTV CAMERA ON A STICK MOUNT WITH 2.8 -12 MM LENS
FURNISH AND INSTALL TYPE "N" AND "G" CABLES TO THE DVR CONTROL IN THE MDF.

DOME — CCTV CAMERA IN A DOME HOUSING
FURNISH AND INSTALL TYPE "N" AND "G" CABLES TO THE DVR CONTROL IN THE MDF.

EXT — CCTV CAMERA IN ENVIRONMENTAL ENCLOSURE
FURNISH AND INSTALL TYPE "N" AND "G" CABLES TO THE DVR CONTROL IN THE MDF.

HEIGHT — CCTV CAMERA HEIGHT STRIP MOUNTED ON MULLION
FURNISH AND INSTALL TYPE "N" AND "G" CABLES TO THE DVR CONTROL IN THE MDF.

MONITOR — VIDEO MONITOR
VIDEO MONITOR REQUIRES (2) RG 59U COAXIAL CABLE TO THE DVR CONTROL AND A 120 VAC CIRCUIT PROVIDED BY PNC BANK ELECTRICAL CONTRACTOR.

MON — VIDEO MONITOR
VIDEO MONITOR REQUIRES A RG 59U COAXIAL CABLE TO THE DVR CONTROL AND A 120 VAC CIRCUIT PROVIDED BY PNC BANK ELECTRICAL CONTRACTOR.

HUB — HOLD UP BUTTON
FURNISH AND INSTALL 22 GAUGE, 4 CONDUCTOR, STRANDED CABLE (TYPE "C" CABLE).

MC — MONEY CLIP
FURNISH AND INSTALL 22 GAUGE, 4 CONDUCTOR, STRANDED CABLE (TYPE "C" CABLE).

UNID — HOLD UP INDICATOR
FURNISH AND INSTALL 22 GAUGE, 4 CONDUCTOR, STRANDED CABLE (TYPE "C" CABLE).

KEY — ALARM KEYPAD
FURNISH AND INSTALL 22 GAUGE, 8 CONDUCTOR, STRANDED CABLE (TYPE "D" CABLE).

DC — DOOR CONTACT
FURNISH AND INSTALL 22 GAUGE, 4 CONDUCTOR, STRANDED CABLE (TYPE "C" CABLE). CABLING SHALL BE RUN IN WINDOW MULLIONS AND DOOR FRAMING DURING CONSTRUCTION TO ENSURE ACCESS.

IR / DR — CORNER OR CEILING MOUNT MOTION SENSOR
FURNISH AND INSTALL 22 GAUGE, 4 CONDUCTOR, STRANDED CABLE (TYPE "C" CABLE).

SAFE ALARM — SAFE ALARM
FURNISH AND INSTALL 18 GAUGE, 8 CONDUCTOR, STRANDED CABLE. CABLE SHALL BE RUN IN A 3/4" CONDUIT FROM THE SAFE TO THE ALARM CONTROL PANEL (TYPE "H" CABLE).

ATM ALARM — ATM ALARM
FURNISH AND INSTALL 18 GAUGE, 8 CONDUCTOR, STRANDED CABLE. CABLE SHALL BE RUN IN A 3/4" CONDUIT FROM THE ATM TO THE ALARM CONTROL PANEL (TYPE "H" CABLE).

DMP — DMP ALARM CONTROL
120 VAC CIRCUIT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. DMP PANEL SHALL BE MOUNTED ON EXISTING PLYWOOD BACKBOARD AS SUPPLIED BY PNC GC. FIELD VERIFY EXACT LOCATION WITH THE OWNER.

DVR — DIGITAL VIDEO RECORDER
120 VAC CIRCUIT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. DVR SHALL BE MOUNTED IN EXISTING TELECOMM RACK. FIELD VERIFY EXACT LOCATION WITH OWNER.

CR — ATM CARD READER "Parabit"
REVIEW PARABIT RESTRICTIONS. (Ref Standards Manual)
REQUIRES A 18 GAUGE, 8 CONDUCTOR, STRANDED, SHIELDED, FROM CR TO PARABIT PANEL LOCATED IN TELECOMMUNICATIONS ROOM.
Alarm Panel Interface Notes:
(1) Use 22/4 sheathed cable.
(2) Run unconnected end next to and along alarm panel
(3) Mark free end, "Parabit" to allow identification.

ECK — ELECTRONIC DOOR CONTROL 12AWG-2
SUPPLIED BY PNC BANK CONTRACTOR

PS — CAMERA POWERSUPPLY

IP CAMERAs
FURNISH AND INSTALL TYPE "CAT6" CABLES TO THE DVR CONTROL IN THE MDF.

VSA / VP — VAULT SOUND ALARM
Wireless Pendants

CABLE TYPE	DESCRIPTION	CABLE PART #
C	4 CONDUCTOR #22 GAUGE, STRANDED, PLENUM RATED CABLE	BELDEN 6502UE
D	8 CONDUCTOR #22 GAUGE, STRANDED, PLENUM RATED CABLE	BELDEN 6506UE
H	8 CONDUCTOR #18 GAUGE, STRANDED, PLENUM RATED CABLE IN 3/4" CONDUIT	BELDEN 6306UE
G	2 CONDUCTOR #18 GAUGE, STRANDED, TWISTED PAIR, PLENUM RATED CABLE	BELDEN 6300UE
N	RG-59 COAXIAL CABLE NOTE: NO PINK PLENUM RATED CABLE	BELDEN 649948
	CAT6A 4PR U/UTP PLENUM RATED CABLE	BELDEN 10GX13
	*NOTE: COMBINATION COAX AND POWER CABLE MAY BE USED TO REPLACE "N" AND "G" TYPE CABLES	

HUBs to be wall mounted by light switch with "pull down" activation

DVR TRIP - 18-4 OR 22-4 FROM DVR TO ALARM PANEL

PNC
Address

REVIEW
Date

PNCBANK
Northrup Coliseum

SECURITAS SECURITY DRAWING

DRAWN BY: Deb Gidcumb
DATE: 09.30.2020
SCALE: 1/8" =1'
REVISION: --
CHKD BY:

DRAWING NO. SEC-1

SHEET # 1
OF 1