

SECURITY & ACCESS CONTROL SYSTEMS

SOUTH TRANSPORTATION & MAINTENANCE FACILITY - BUS SHOP

FULTON COUNTY BOARD OF EDUCATION FULTON COUNTY, GEORGIA

SUBMITTED ON: MARCH 30, 2018

GENERAL NOTES:

- A. NO CONDUIT RUN TO CONTAIN MORE THAN 180 DEGREES OF BENDS BETWEEN PULLING POINTS. PROVIDE JUNCTION BOXES WHERE REQUIRED TO MAINTAIN 180 DEGREE BEND RULE.
- B. ALL WALL AND FLOOR PENETRATIONS TO BE SEALED AND FIREPROOFED. CONDUIT ROUTING PATHS TO BE COORDINATED WITH EXISTING SYSTEMS.
- C. ALL SECURITY CABLES TO BE ROUTED DIRECT TO EQUIPMENT ROOMS WITHOUT SPLICES. NO JUNCTIONS OR SPLICES IN CABLES ARE ACCEPTABLE.
- D. ALL CAMERAS SHALL BE ROUTED TO THE NEAREST MDF/IDF ROOM.
- E. ALL CABLES ROUTED ABOVE GRADE TO BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) CONDUIT. MINIMUM SIZE TO BE 3/4". CONTRACTOR TO UTILIZE 2-HOLE STRAPS AND SECURITY FASTENERS. PVC MAY BE UTILIZED FOR RACEWAY ROUTED IN SLAB. ALL CONDUIT INSTALLED INDOORS AND BELOW CEILING TO BE PAINTED TO MATCH DECOR.
- F. REFERENCE CCTV SCHEDULE FOR CAMERA MOUNTING REQUIREMENTS. ALL EXTERIOR CAMERAS SHALL BE PROVIDED AND INSTALLED IN A WEATHERPROOF ENCLOSURE AND EQUIPPED WITH HEATERS AND BLOWERS.
- G. ALL POWER AND SIGNAL CABLES INSTALLED IN SLAB ON GRADE OR BELOW GRADE TO BE "WET RATED" / OUTSIDE PLANT RATED.
- H. AT ALL EXTERIOR CAMERAS, CONTRACTOR TO PROVIDE AND INSTALL SURGE SUPPRESSION DEVICES AT CAMERA AND AT CCTV HEADEND EQUIPMENT FOR VIDEO SIGNAL AND POWER CONDUCTORS.
- I. SECURITY CONTRACTOR TO PAINT AND PATCH OR PROVIDE COVER PLATES FOR ALL HOLES OR OPEN JUNCTION BOXES LEFT BEHIND AS A RESULT OF THIS PROJECT. ALL JUNCTION BOXES AND COVER PLATES MUST BE PAINTED TO MATCH DECOR.
- J. SECURITY CONTRACTOR TO POSITION AND NUMBER CAMERAS AS NOTED ON DRAWINGS. THEN ENSURE THAT ALL CAMERAS ARE OPERATIONAL AND MEET WITH PRINCIPAL, SCHOOL POLICE OFFICER AND PAUL HILDRETH/FCS SAFETY AND SECURITY TO ESTABLISH NAMING CONVENTION. REFERENCE CAMERA SCHEDULE ON SHEETS LV-601 & LV-602 FOR LIST OF CAMERAS BY NUMBER.
- K. AFTER COMPLETING THE ABOVE TASK, SECURITY CONTRACTOR MUST COORDINATE A MEETING WITH THE FACILITY MANAGEMENT AND PAUL HILDRETH/FCS SAFETY AND SECURITY TO DETERMINE EXACT FIELD-OF-VIEWS AND POSITION. IT IS THE SECURITY CONTRACTOR'S RESPONSIBILITY TO CONTINUE TO MEET AND COORDINATE WITH FCS REPRESENTATIVES UNTIL OWNER IS COMPLETELY SATISFIED WITH IMAGE QUALITY AND ALL CAMERA VIEWS.
- L. SECURITY CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PATCH CABLES.
- M. ALL CONDUIT INSTALLED INDOORS AND BELOW CEILING TO BE PAINTED TO MATCH DECOR.
- N. SECURITY CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ANY ADDITIONAL 120 VAC / 20 AMP DEDICATED AND UN-SWITCHED POWER CIRCUITS AND LOCAL POWER SUPPLIES REQUIRED AT EXTERIOR CAMERA LOCATIONS FOR PROPER OPERATION OF PTZ ENVIRONMENTAL ENCLOSURE, AND CAMERA.
- O. SECURITY CONTRACTOR IS RESPONSIBLE FOR UPSIZING OR PROVIDING ADDITIONAL LOW VOLTAGE POWER CABLE AS NECESSARY.
- P. AT EXTERIOR CAMERA LOCATIONS, SECURITY CONTRACTOR TO PROVIDE AND INSTALL SEAL-TIGHT OUTDOOR RATED FLEXIBLE CONDUIT AND DRIP LOOP. HOWEVER, NOT MORE THAN 10'-0" OF SEAL-TIGHT FLEXIBLE CONDUIT (INCLUDING DRIP LOOP) MAY BE INSTALLED BETWEEN THE CAMERA AND THE WALL PENETRATION. SHOULD BE MORE THAN 10'-0" OF SURFACE MOUNTED CONDUIT BE REQUIRED, STRAIGHT VERTICAL AND/OR HORIZONTAL RUNS OF EMT WITH COMPRESSION FITTINGS MUST BE INSTALLED.
- Q. SECURITY CONTRACTOR MUST LABEL ALL EQUIPMENT ENCLOSURES AND CABINETS (INCLUDES POWER SUPPLIES, INTELLIGENT CONTROLLER AND READER INTERFACE MODULE ENCLOSURES)

DEVICE LEGEND:

- NEW FIXED (MEGAPIXEL) VIDEO SURVEILLANCE CAMERA PROVIDED AND INSTALLED BY THE SECURITY CONTRACTOR. SEE CAMERA SCHEDULE FOR REQUIREMENTS.
- NEW MULTI-SENSOR (3 IMAGER) VIDEO SURVEILLANCE CAMERA PROVIDED AND INSTALLED BY THE SECURITY CONTRACTOR. SEE CAMERA SCHEDULE FOR REQUIREMENTS.
- NEW 360 DEGREE (FISH-EYE) MEGAPIXEL VIDEO SURVEILLANCE CAMERA PROVIDED AND INSTALLED BY THE SECURITY CONTRACTOR. SEE CAMERA SCHEDULE FOR REQUIREMENTS.
- NEW PAN/TILT/ZOOM (MEGAPIXEL) VIDEO SURVEILLANCE CAMERA PROVIDED AND INSTALLED BY THE SECURITY CONTRACTOR. SEE CAMERA SCHEDULE FOR REQUIREMENTS.
- NEW AVIGILON VIDEO MANAGEMENT WORKSTATION PROVIDED AND INSTALLED BY SECURITY CONTRACTOR.
- INTRUSION DETECTION ALARM CONTROL KEYPAD. KEYPAD PROVIDED AND INSTALLED BY SECURITY CONTRACTOR.
- AIPHONE VIDEO INTERCOM. INTERCOM PROVIDED AND INSTALLED BY SECURITY CONTRACTOR.
- AIPHONE VIDEO INTERCOM MASTER STATION. MASTER STATION PROVIDED AND INSTALLED BY SECURITY CONTRACTOR.
- ELECTRIC DOOR HARDWARE PROVIDED AND INSTALLED BY OTHERS. TERMINATED AND INTEGRATED WITH AIPHONE VIDEO/INTERCOM SYSTEM OR KEY SWITCH BY SECURITY CONTRACTOR.
- DOOR POSITION SWITCH. PROVIDED AND INSTALLED, WIRED AND INTEGRATED BY SECURITY CONTRACTOR. SEE FLOOR DETAILS FOR REQUIREMENTS. REFERENCE FLOOR PLANS FOR QUANTITIES AND LOCATIONS.
*OH - SUBSCRIPT DENOTES OVERHEAD DOOR POSITION SWITCH
- INTRUSION DETECTION ALARM CONTROL PANEL.
- CEILING MOUNT GLASS BREAK DETECTOR. PROVIDE SINGLE GANG CEILING MOUNT BACKBOX WITH ONE (1) 3/4" EMT CONDUIT ROUTED TO ACCESSIBLE CEILING SPACE.
- WALL MOUNTED P.I.R. MOTION DETECTOR. PROVIDED, INSTALLED, WIRED AND INTEGRATED BY SECURITY CONTRACTOR. ROUTE SIGNAL TO INTRUSION DETECTION ALARM CONTROL PANEL.
*LR - SUBSCRIPT DENOTES LONG - RANGE DETECTOR
*SR - SUBSCRIPT DENOTES SHORT - RANGE DETECTOR

SHEET LIST:

- B-LV000 COVER SHEET & LEGENDS
- B-LV201 FLOOR PLAN - BUS SHOP
- B-LV401 ONE-LINE DIAGRAM
- B-LV402 ONE-LINE DIAGRAM
- B-LV501 DETAILS
- B-LV502 DETAILS
- B-LV503 DETAILS
- B-LV504 DETAILS
- B-LV601 CAMERA SCHEDULE

NO.	DATE	REVISION
1	3/29/18	50% CD
2	3/29/18	90% CD

SOUTH TRANSPORTATION & MAINTENANCE FACILITY
 FACILITIES AND TRANSPORTATION SERVICES DEPARTMENT
 FULTON COUNTY, GEORGIA
 FULTON COUNTY BOARD OF EDUCATION

S.Y. RICHARDS, A. ARCHITECT / INC.
 MONROE, GEORGIA



SHEET TITLE
COVER SHEET

DATE
06/22/2018

DRAWN / BY
B. TUBBS/K. JONES

SHEET
B-LV000

ISSUED FOR
PROPOSAL

Order Plans

WWW.IDILine.com