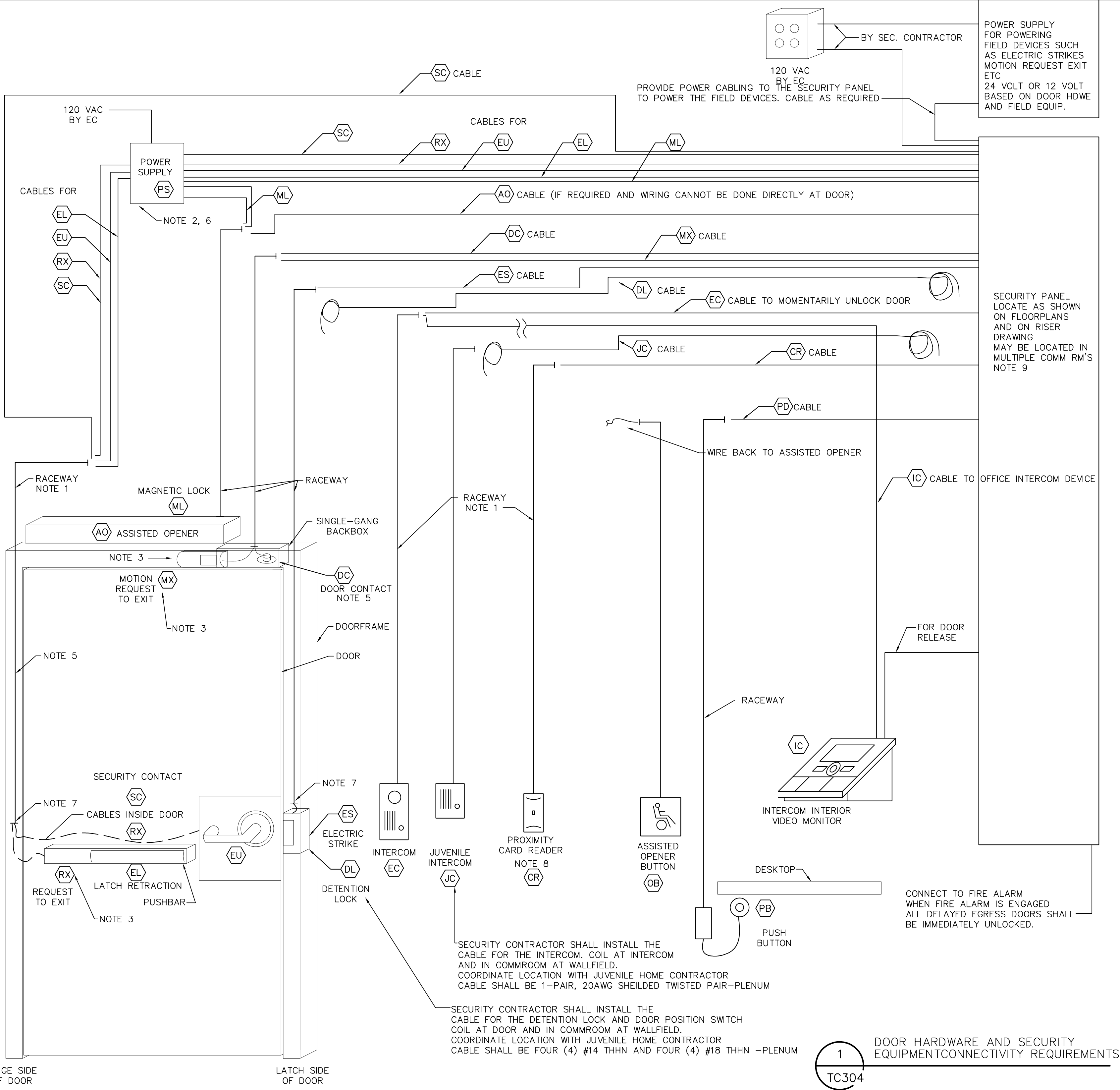


	ACCESS CONTROL SYSTEM DETAILS	ACCESS CONTROL RACEWAY NOTES –NEW DOORS
CR	CARD READER – INSTALL TO THE BOX OR IN THE FRAME COORDINATE IN FIELD PRIOR TO ORDERING. WIRE TO SECURITY SYSTEM	CARD READER – INSTALL A SINGLE-GANG BACKBOX AT 46" AFF WITH A 3/4" CONDUIT TO THE CEILING AREA. WHERE CR IS IN THE DOOR FRAME, INSTALL A 3/4" CONDUIT TO THE FRAME. ROUTE CABLE THRU FRAME
DC	DOOR CONTACT – CONTACT IS PROVIDED WITH THE DOOR HARDWARE INSTALL IN DOORFRAME. WIRE TO SECURITY SYSTEM.	DOOR CONTACT – SEE DETAIL. INSTALL A SINGLE-GANG BACKBOX FACING DOWN ABOVE THE DOOR. INSTALL A 3/4" CONDUIT FROM THE BOX TO AN ACCESSIBLE CEILING.
EL	ELECTRIFIED LATCH / LATCH RETRACTOR – THIS DEVICE IS INSTALLED BY THE DOOR HARDWARE PROVIDER AND IS LOCATED IN THE LATCH. WIRE FROM THE POWER SUPPLY/CONTROLLER OF THIS DEVICE TO THE SECURITY SYSTEM. WIRE FROM PS TO DEVICE.	ELECTRIFIED LATCH / LATCH RETRACTOR – INSTALL A 3/4" CONDUIT FROM THE TRANSFER DEVICE AT THE HINGE SIDE OF THE DOOR TO AN ACCESSIBLE CEILING. ROUTE CLOSE TO THE POWER SUPPLY.
ES	ELECTRIC STRIKE – STRIKE IS BY THE DOOR HARDWARE SUPPLIER. CONTRACTOR SHALL INSTALL WIRE FROM THE ELECTRIC STRIKE TO THE SECURITY SYSTEM.	ELECTRIC STRIKE – INSTALL A 3/4" CONDUIT FROM THE ELECTRIC STRIKE LOCATION ON THE LATCH SIDE OF THE DOOR TO AN ACCESSIBLE CEILING.
MX	MOTION SENSOR REQUEST TO EXIT – MOUNT ABOVE THE DOOR. WHEN MOTION IS SENSED THE DOOR CONTACT SHALL SHUNT. WIRE TO SECURITY SYSTEM.	MOTION SENSOR REQUEST TO EXIT – USE THE BACKBOX FACING DOWN AND ASSOCIATED CONDUIT THAT IS USED FOR THE DC FOR ROUTING OF THIS CABLE
RX	REQUEST TO EXIT – THIS DEVICE IS IN THE DOOR LATCH AND PROVIDED AS PART OF DOOR HARDWAR. WIRE TO SECURITY PANEL	REQUEST TO EXIT – THIS IS IN THE PUSHBAR. USE SAME CONDUIT THAT IS BEING INSTALLED FOR THE LATCH RETRACTION DEVICE.
PB	PUSH BUTTON – THIS SHALL TRIGGER AN EVENT SUCH AS A DOOR TO LOCK OR UNLOCK. CONFIGURE BASED ON OWNERS WISHES.	PUSH BUTTON – INSTALL A 3/4" CONDUIT FROM THE ACCESSIBLE CEILING TO A BACKBOX LOCATED AT THE PANIC DEVICE LOCATION.
CC	CONTACT CLOSURE – CONNECT ANOTHER SYSTEM TO THE ACCESS CONTROL SYSTEM. PROGRAM THE SYSTEM TO TAKE ACTION UPON CLOSURE OF THE CONTACT. WIRE TO SECURITY SYSTEM.	CONTACT CLOSURE – INSTALL A 3/4" CONDUIT FROM THE ACCESSIBLE CEILING AREA TO THE DEVICE THAT THE CONTACT CLOSURE WILL CONNECT
AO	ASSISTED OPENER – THIS IS INSTALLED BY THE DOOR HARDWARE INSTALLER. COORDINATE LOCKS AND ALARMS WITH THIS OPENER AND ASSOCIATED OPENER BUTTONS.	ASSISTED OPENER – SEE ELECTRICAL DRAWINGS FOR RACEWAYS. SHOWN HERE FOR CONNECTIVITY REQUIREMENTS.
OB	ASSISTED OPENER BUTTON – THIS IS INSTALLED BY THE DOOR HARDWARE INSTALLER. COORDINATE LOCKS AND ALARMS WITH THIS OPENER BUTTONS.	ASSISTED OPENER BUTTON – SEE ELECTRICAL DRAWINGS FOR RACEWAYS. SHOWN HERE FOR CONNECTIVITY REQUIREMENTS.
SC	SECURITY CONTACT INSIDE DOOR PUSHBAR. – INSTALL A WIRE FROM THIS DEVICE, WHICH IS PROVIDED AND INSTALLED BY THE DOOR CONTRACTOR, TO THE SECURITY PANEL. THIS IS FOR DELAYED EGRESS. WHEN THE CONTACT IS ENGAGED THE SECURITY SYSTEM SHALL WAIT AN OWNER CONFIGURED TIME AND THEN UNLOCK THE DOOR.	SECURITY CONTACT – THIS IS IN THE PUSHBAR. USE SAME CONDUIT THAT IS BEING INSTALLED FOR THE LATCH RETRACTION DEVICE.
PS	POWER SUPPLY – THE POWER SUPPLY IS PROVIDED BY THE DOOR HARDWARE SUPPLIER. CONTRACTOR SHALL WIRE FROM THE POWER SUPPLY TO THE LATCH RETRACTION OR ELECTRIC LATCH. INSTALL CABLE AND CONNECT THE POWER SUPPLY TO THE SECURITY SYSTEM..	POWER SUPPLY – THE POWER SUPPLY SHALL SIT IN THE ACCESSIBLE CEILING NEAR THE POWER CONNECTION. UTILIZE THE RACEWAYS INSTALLED FOR THE ELECTRIC LATCH OR LATCH RETRACTION DEVICE FOR CONNECTIVITY.
EC	EXTERIOR INTERCOM – INSTALL TO THE BOX OR IN THE DOOR FRAME COORDINATE IN FIELD PRIOR TO ORDERING. WIRE TO DOOR TO UNLOCK AND MASTER INTERCOM IN OFFICE.	EXTERIOR INTERCOM – INSTALL A 3/4" CONDUIT TO CUSTOM BACKBOX ROUTE CONDUIT TO THE CEILING AREA. WHERE EC IS IN THE DOOR FRAME, INSTALL A 3/4" CONDUIT DOWN LATCH SIDE OF DOOR
IC	INTERCOM BASE SYSTEM – THIS DEVICE SHALL BE INSTALLED ONTO THE SECRETARY DESK. WIRE TO ACCESS CONTROL AND INTERCOM.	INTERCOM BASE STATION– UTILIZE AN EXISTING COMMUNICATIONS CONDUIT AND BACKBOX. CUT HOLE IN FACEPLATE TO PASS CABLES.
JC	JUVENILE DETENTION INTERCOM – THIS DEVICE IS PROVIDED AND INSTALLED BY OTHERS. WIRE FROM COMM ROOM TO DEVICE. COIL CABLES.	JUVENILE INTERCOM – INSTALL A CUSTOM BACKBOX THAT THAT WILL BE PROVIDED BY THE JUVENILE HOME CONTRACTOR. INSTALL A 3/4" CONDUIT TO THE CEILING
DL	DETENTION GRADE LOCK – THIS DEVICE IS PROVIDED BY THE DOOR HARDWARE CONTRACTOR. INSTALL CABLES FROM COMM ROOM TO THE DEVICE. COIL AT DOOR AND AT PANEL IN COMM ROOM	DETENTION GRAD ELOCK – INSTALL A 3/4" CONDUIT FROM THE LOCK TO AN ACCESSIBLE CEILING.
ML	MAGNETIC LOCK – THIS DEVICE IS PROVIDED AND INSTALLED BY OTHERS. WIRE FROM POWER SUPPLY TO LOCK AND FROM POWER SUPPLY TO SECURITY PANEL.	MAGNETIC LOCK – INSTALL A 3/4" CONDUIT FROM LOCK TO THE ACCESSIBLE CEILING WHERE POWER SUPPLY IS LOCATED.

ALL RACEWAYS ARE TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
ALL DEVICES AND CABLING ARE TO BE PROVIDED AND INSTALLED BY SECURITY CONTRACTOR
EXCEPTION IS THE JUVENILE INTERCOMS WHICH IS BY OTHERS

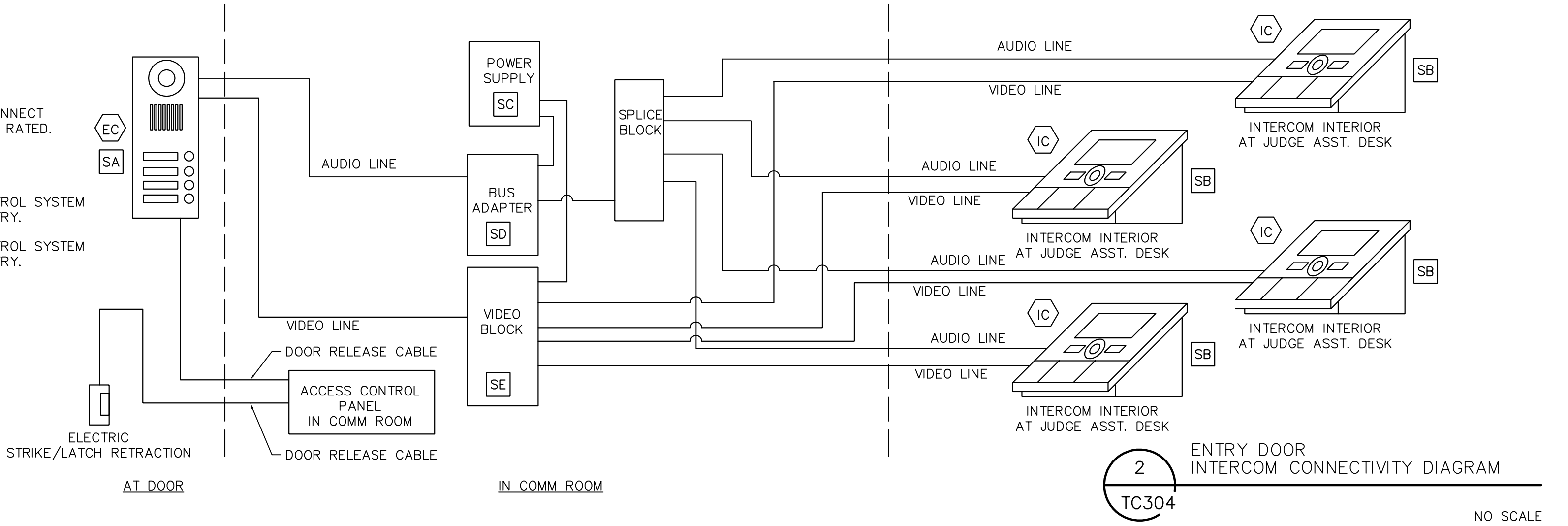
NOTES

1. ELECTRICAL CONTRACTOR TO PROVIDE ALL RACEWAYS AT LOCATIONS EXCEPT NEW DOORS. NEW DOOR CONDUITS ARE BY ELECTRICAL CONTRACTOR.
2. POWER SUPPLY/CONTROLLER IS PROVIDED BY THE DOOR HARDWARE CONTRACTOR.
3. CONNECT TO THE MOTION REQUEST TO EXIT (MX) OR REQUEST TO EXIT (RX) TO SHUNT ALARM AND UNLOCK THE DOOR ON MOTION. SHALL BE MOUNTED TO THE SECURE SIDE OF THE DOOR
4. REFER TO THE PLAN DRAWINGS FOR THE SPECIFIC FIELD DEVICE AND WHERE IT IS TO BE INSTALLED.
5. DOOR CONTACTS SHALL BE MOUNTED INTO THE DOOR AND THE DOORFRAME. SEE DETAIL FOR INSTALLATION INFORMATION.
6. WHERE A POWER SUPPLY OR CONTROLLER IS SUPPLIED, COORDINATE SECURITY CONNECTIONS WITH THE CONTROLLER/POWER SUPPLY.
7. THE ELECTRIFIED LATCH/LATCH RETRACTION DEVICES THAT ARE TIED TO A LOCAL POWER SUPPLY ARE CONNECTED TO THE POWER SUPPLY BY THE SECURITY CONTRACTOR. PROVIDE CABLING TO ALL "SC" AND "RX" DEVICES.
8. AT SOME LOCATIONS THE CARD READER WILL HAVE TO BE INSTALLED INTO THE DOOR FRAME. PROVIDE A FRAME TYPE READER AT THESE LOCATIONS.
9. ALL SECURITY DEVICES SHALL BE WIRED DIRECTLY BACK TO THE SECURITY SYSTEM PANEL. LOCATE PANELS ON THE WALLS OF COMMUNICATIONS ROOMS OR AS SHOWN ON THE FLOORPLANS.



NOTES

1. PROVIDE MANUFACTURERS RECOMMENDED CABLES TO CONNECT ALL INTERCOM COMPONENTS. CABLES SHALL BE PLENUM RATED.
2. INSTALL THE INTERCOM AT THE DOOR SHOWN. PROVIDE THE SURFACE MOUNT BOX AT THE ENTRY LOCATION.
3. CONNECT THE INTERIOR INTERCOM TO THE ACCESS CONTROL SYSTEM TO RELEASE THE LOCK ON THE DOOR NEAREST THE ENTRY.
4. CONNECT THE INTERIOR INTERCOM TO THE ACCESS CONTROL SYSTEM TO RELEASE THE LOCK ON THE DOOR NEAREST THE ENTRY.



DATE

MARCH 3, 2014

PROJECT TITLE

GULL ROAD
COURT FACILITY

KALAMAZOO
COUNTY

Kalamazoo, MI

ISSUED FOR

DATE

ISSUED FOR

DATE

SHEET TITLE

SECURITY ACCESS
CONTROL
CONNECTIVITY

SHEET NUMBER

TC304

13-115.00