[illegible]

ACCESS CONTROL SYSTEM DETAILS

CR	CARD READER – INSTALL TO THE BACKBOX OR IN THE DOOR FRAME. COORDINATE IN FIELD PRIOR TO ORDERING. WIRE TO SECURITY SYSTEM
KR	KEYPAD/CARD READER – COMBINATION DEVICE FOR DUAL AUTHENTICATION INSTALL TO THE BACKBOX WIRE TO SECURITY SYSTEM
BR	BIOMETRIC READER – DEVICE TO USE A PERSONS BIOMETRICS TO ALLOW ENTRY. INSTALL TO THE BACKBOX WIRE TO SECURITY SYSTEM
EL	ELECTRIFIED LATCH – DEVICE IS IN THE DOOR, PROVIDED BY DOOR CONTRACTOR. WIRE THROUGH THE DOOR, THROUGH THE HINGE AND TO THE SECURITY PANEL
LR	LATCH RETRACTION DEVICE – THIS DEVICE IS AN ELECTRONIC PUSHBAR ON THE SECURE SIDE OF THE DOOR. WIRE FROM THIS DEVICE, THROUGH THE DOOR HINGETO THE POWER SUPPLY IN THE CEILING. POWER SUPPLY IS BY DOOR CONTRACTOR.
ES	ELECTRIC STRIKE – STRIKE IS PROVIDED AND INSTALLED BY DOOR CONTRACTOR. WIRE FROM THIS DEVICE TO SECURITY PANEL. PROVIDE POWER SUPPLY IN COMM ROOM.
WL	WIRELESS LOCK – COMBINATION DOOR LOCK AND PROXIMITY CARD READER. BATTERY OPERATED. INTEGRATE TO PIM'S AND ACCESS CONTROL SYSTEM.
LD	LOCKDOWN BUTTON WALL– INSTALL A SINGLE-GANG PLATE WITH PUSH-PULL BUTTON, PULL BUTTON. WIRE TO THE SECURITY SYSTEM. WHEN DEPRESSED THE BUTTON SHALL TRIGGER THE SYSTEM TO LOCK ALL DOORS. WHEN PULLED BACK OUT THE BUTTON SHALL SET ALL DOORS TO REGULAR SCHEDULE FOR LOCKING. PROVIDE A PLASTIC COVER FOR THE BUTTON.
LT	LOCKDOWN LIGHT– INSTALL A FACEPLATE WITH AN LED LIGHT. THE LIGHT SHALL BE LIT WHEN THE LOCKDOWN BUTTON IS PUSHED. LIGHT SHALL BE WIRED TO THE SECURITY PANEL AND NOT THE LOCKDOWN BUTTON. LIGHT SHALL TURN OFF WHEN THE LOCKDOWN BUTTON IS PULLED OUT
LU	LOCKDOWN BUTTON UNDER DESK – INSTALL A RECESSED MOMENTARY CONTACT BUTTON. WIRE TO THE SECURITY SYSTEM. WHEN DEPRESSED THE BUTTON SHALL BE ABLE TO TRIGGER THE SYSTEM TO LOCK ALL DOORS.
IC	INTERCOM – INSTALL TO THE BOX OR SURFACE MOUNT TO THE WALL. WIRE TO THE BASE STATION OR INTERCOM CONTROLLER. COORDINATE LOCATION IN FIELD.
BS	INTERCOM BASE SYSTEM – THIS DEVICE SHALL BE INSTALLED AT THE RECEPTION DESK. WIRE TO INTERCOM DEVICE AND TO THE ACCESS CONTROL SYSTEM TO TRIGGER UNLOCKING OF THE ASSOCIATED DOOR
PB	PUSH BUTTON – THIS SHALL TRIGGER A SINGLE EVENT OR SERIES OF EVENTS IN THE SECURITY SYSTEM WHEN DEPRESSED. BELOW DESK, WIRE TO SECURITY PANEL.
PB	PANIC DEVICE – THIS SHALL TRIGGER AN ALARM AND SUBSEQUENT NOTICES AND MESSAGES AS PER THE OWNERS REQUIREMENTS. WIRE TO SECURITY PANEL.
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.
AO	ASSISTED OPENER – THIS MECHANICALLY OPENS A DOOR. IT IS INSTALLED BY THE DOOR HARDWARE CONTRACTOR. COORDINATE LOCKS AND ALARMS WITH THIS OPENER AND ASSOCIATED OPENER BUTTONS.
AB	ASSISTED OPENER BUTTON– THIS BUTTON IS BY THE DOOR CONTRACTOR. IT IS NOTED FOR LOCATION. NO WORK REQUIRED.
FA	FIRE ALARM – THIS SHALL BE A CONNECTION TO THE FIRE ALARM SYSTEM. UPON A SIGNAL FROM THE SECURITY SYSTEM THE DOOR HOLD OPENS SHALL RELEASE FOR INTERIOR DOORS. INSTALL ALL WIRING AND ANY INTERFACES REQUIRED.
PS	POWER SUPPLY – THE POWER SUPPLY IS PROVIDED BY THE DOOR HARDWARE SUPPLIER. CONTRACTOR SHALL WIRE FROM THE POWER SUPPLY TO THE LATCH RETRACTION DEVICE. INSTALL CABLE AND CONNECT THE POWER SUPPLY TO THE SECURITY SYSTEM
HO	HOLD OPEN – THIS SHALL BE A CONNECTION DIRECTLY TO THE POWER SUPPLY FOR THE MAGNETIC HOLD OPEN. WHEN THE SECURITY SYSTEM TRIGGERS AN EVENT THE MAGNETIC HOLD OPEN SHALL RELEASE THE MAGNET AND THE DOOR SHALL SWING CLOSED
AB	ASSISTED OPENER BUTTON– THIS BUTTON IS BY THE DOOR CONTRACTOR. IT IS NOTED FOR LOCATION. NO WORK REQUIRED.
PIM	PANEL INTERFACE MODULE. THIS MOUNTS ON THE WALL AND WIRELESSLY CONNECTS TO WIRELESS LOCKS. WIRE TO SECURITY PANEL. FIELD VERIFY LOCATIONS.
MX	MOTION SENSOR REQUEST TO EXIT – MOUNT ABOVE THE DOOR. WIRE TO SECURITY SYSTEM/ACCESS CONTROL SYSTEM TO SHUNT DOOR CONTACT WHEN EXITING BLDG.
RX	REQUEST TO EXIT IN LOCK – THIS IS A SWITCH THAT IS PROVIDED WITH THE DOOR LOCKING DEVICE. WIRE TO SECURITY PANEL TO SHUNT DOOR CONTACT WHEN EXITING BLDG.
DC	DOOR CONTACT – MOUNT ABOVE THE DOOR. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM
GC	GARAGE CONTACT – INSTALL AN OVERHEAD DOOR CONTACT. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM
GB	GLASS BREAK ALARM –INSTALL THIS TO THE GLASS. SHALL TRIGGER WHEN THERE IS A GLASS BREAK. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM
PZ	PIEZO EMBARRASSMENT ALARM – LOCATE TO BUILDING STRUCTURE OR INTO DROP CEILING. WIRE TO SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN AUDIBLE ALARM WHEN A DOOR IS OPEN. CONFIGURE ON A TIME SCHEDULE.
KA	KEYPAD – INSTALL A KEYPAD AND WIRE TO THE SECURITY /INTRUSION DETECTION SYSTEM. THE KEYPAD SHALL CONTROL THE ALARM SYSTEM AND WHETHER THEY ARE ARMED OR DISARMED.
DB	DOORBELL – PROVIDE A BUTTON ON A SINGLE-GANG PLATE. WIRE TO A DOORBELL CHIME IN THE BUILDING. INSTALL CHIME IN CEILING AND CONNECT TO POWER.
MS	MOTION SENSOR, WIDE ANGLE – MOUNT IN THE CEILING AND SET IT TO COVER A LARGE AREA. WIRE TO THE SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM IF THE SYSTEM IS ARMED.
ML	MOTION SENSOR, LONG RANGE – MOUNT IN THE CEILING AND SET IT TO COVER A LONG HALLWAY. WIRE TO THE SECURITY SYSTEM/INTRUSION DETECTION SYSTEM TO TRIGGER AN ALARM IF THE SYSTEM IS ARMED.

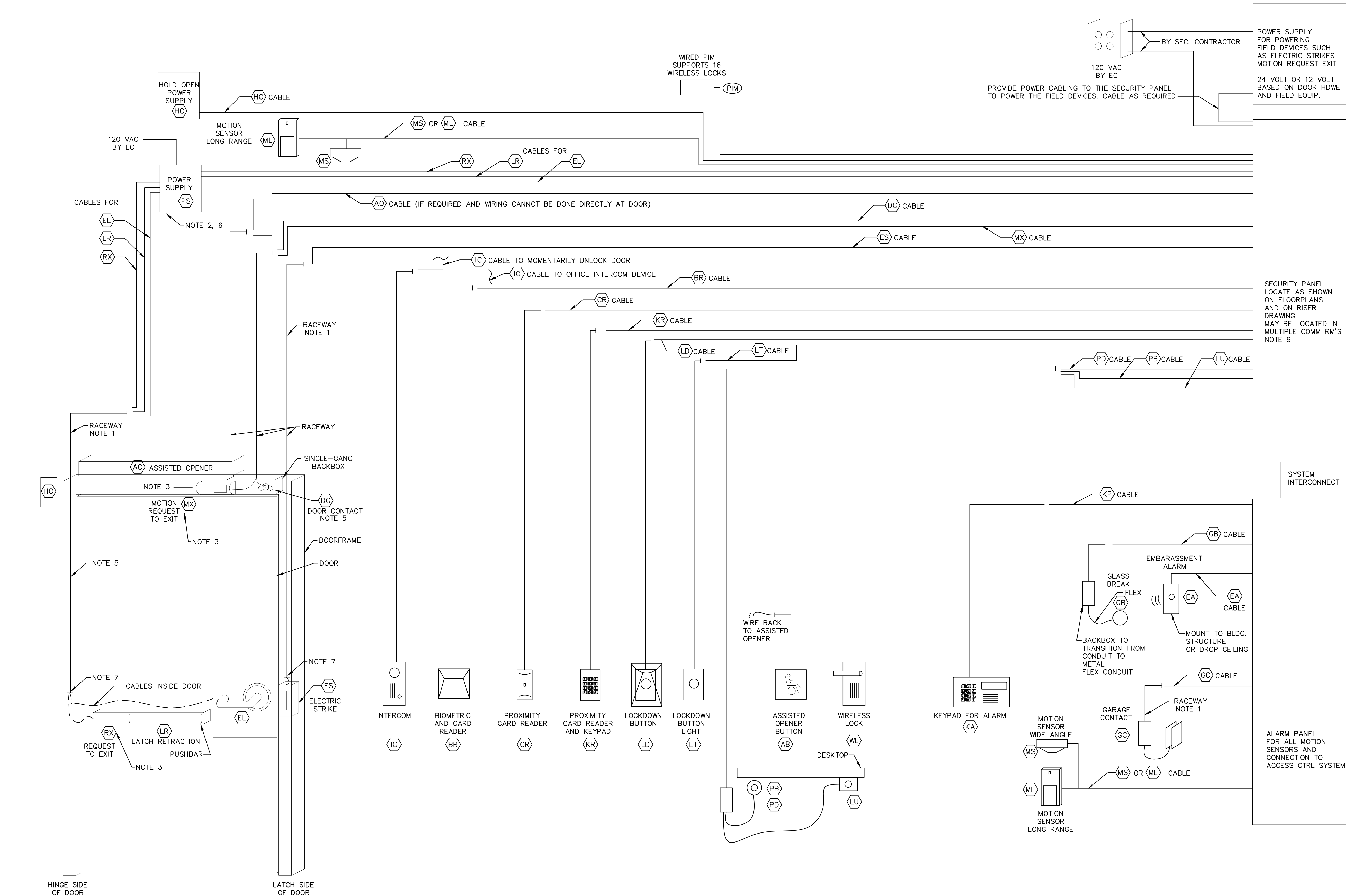
GENERAL NOTES

- SECURITY CONTRACTOR TO PROVIDE ALL RACEWAYS AT LOCATIONS EXCEPT NEW DOORS. NEW DOOR CONDUITS ARE BY ELECTRICAL CONTRACTOR.
- POWER SUPPLY/CONTROLLER FOR LATCH RETRACTION DEVICES IS PROVIDED BY THE DOOR HARDWARE CONTRACTOR. CONNECTED TO 120VAC BY ELECTRICIAN. WIRE FROM THIS TO THE LR IN DOOR.
- CONNECT TO THE MOTION REQUEST TO EXIT (MX) OR REQUEST TO EXIT (RX) TO SHUNT ALARM. SHALL BE MOUNTED TO THE SECURE SIDE OF THE DOOR.
- REFER TO THE PLAN DRAWINGS FOR THE SPECIFIC FIELD DEVICE AND WHERE IT IS TO BE INSTALLED.
- DOOR CONTACTS SHALL BE MOUNTED INTO THE DOOR AND THE DOORFRAME.
- THE ELECTRIFIED LATCH AND ELECTRIC STRIKES SHALL BE POWERED FROM A POWER SUPPLY IN THE COMM. ROOM NEXT TO THE SECURITY PANEL. SECURITY CONTRACTOR TO PROVIDE POWER SUPPLY AND WIRE TO ALL DEVICES.
- AT SOME LOCATIONS THE CARD READER WILL HAVE TO BE INSTALLED INTO THE DOOR FRAME. PROVIDE A FRAME TYPE READER AT THESE LOCATIONS.
- ALL SECURITY DEVICES SHALL BE WIRED DIRECTLY BACK TO THE SECURITY SYSTEM PANELS. LOCATE PANELS ON THE WALLS OF COMMUNICATIONS ROOMS OR AS SHOWN ON THE FLOORPLANS.

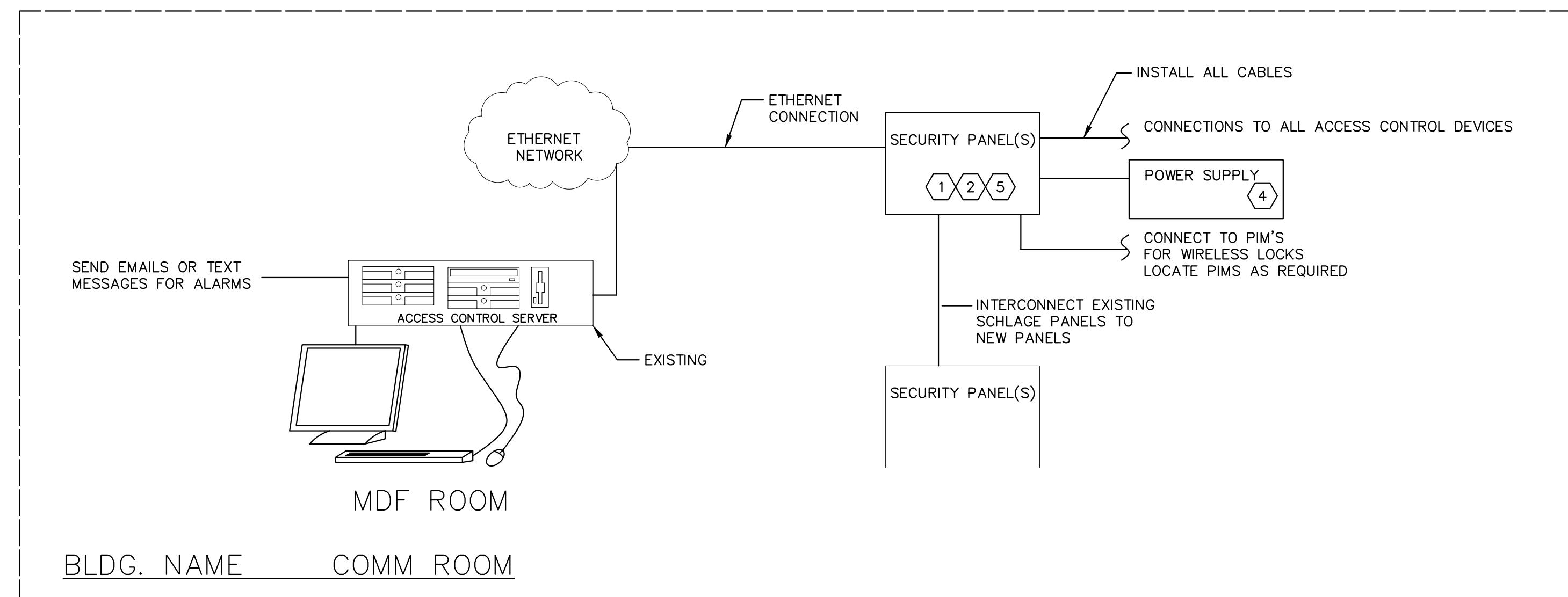
KEYED NOTES

- 1 THE FIRST NOTES ARE NEEDED HERE. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CCCCCCCCC

1 DOOR HARDWARE & SECURITY EQUIPMENT CONNECTIVITY REQUIREMENTS
TC503



Mark	Revision	Description
	00	CONSTRUCTION 5/9/16



CONNECTIVITY NOTES:

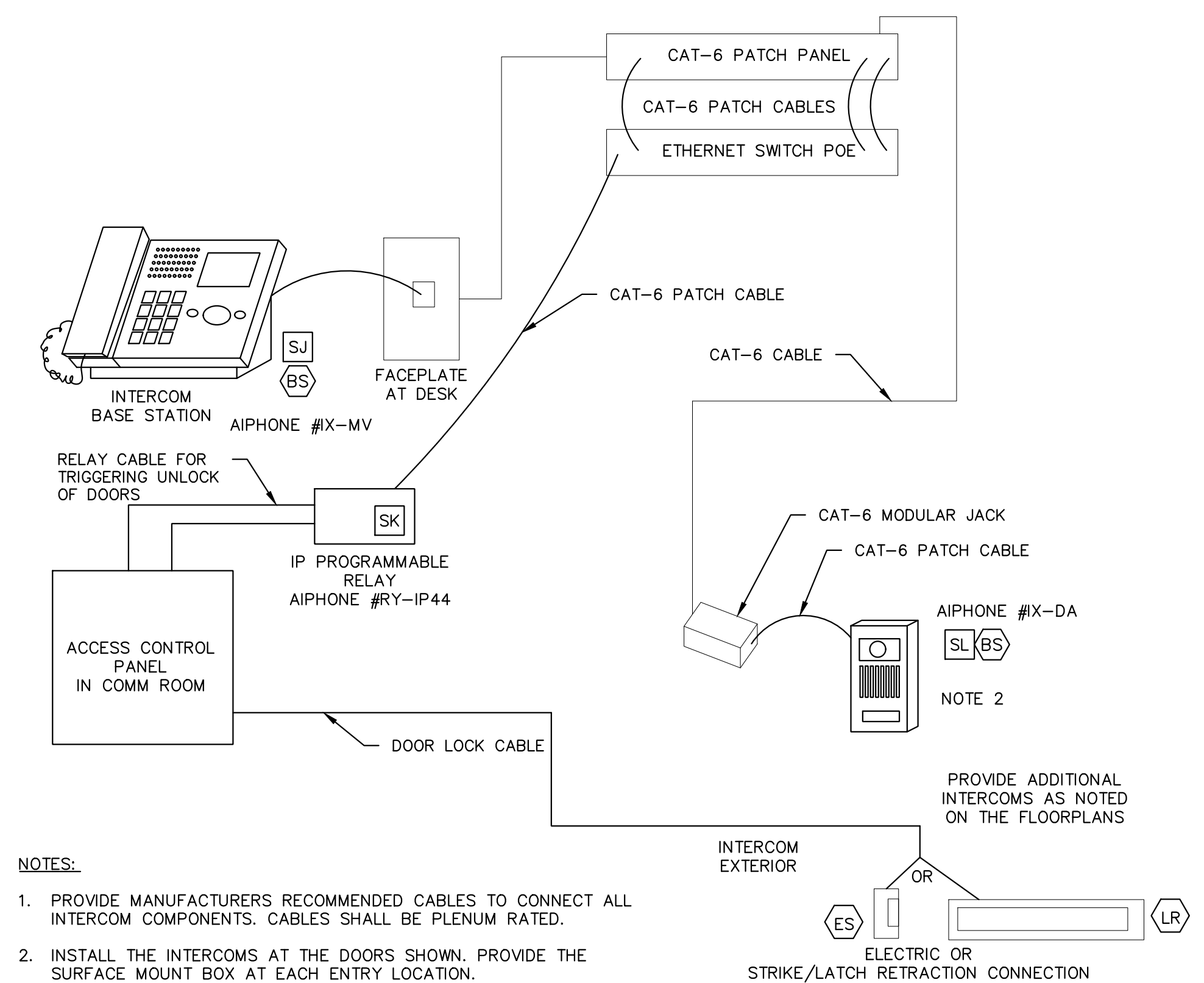
1. THERE ARE A FEW EXISTING DOORS THAT HAVE ELECTRIC STRIKES AND CARD READERS. CONTRACTOR SHALL REMOVE THESE TO THE NEW PANELS. PROVIDE A NEW SERVER FOR THE DATABASE, INSTALL AND CONFIGURE.
2. PROVIDE THE QUANTITY OF EACH ITEM AS SHOWN ON THE DRAWINGS.
3. THE COMMUNICATIONS CONTRACTOR SHALL WORK WITH THE OWNER TO CONFIGURE THE SYSTEM TO MEET THE OWNERS REQUIREMENTS.
4. CABLES FOR CONNECTION FROM THE ACCESS CONTROL PANELS SHALL BE PLENUM RATED.
5. CONTRACTOR SHALL PROVIDE ALL CABLEING FOR CONNECTION OF NEW SECURITY DEVICES. THE CABLES SHALL BE THE SAME COLOR. COORDINATE CABLE COLOR WITH OTHER CONTRACTORS SO THAT THE SECURITY CABLES ARE A UNIQUE COLOR.
6. ALL CABLES SHALL BE LABELED AT EACH END. LABEL THEM WITH THE DOOR NUMBER AND THEN FOR THE DEVICE TO WHICH THEY CONNECT. IN EXAMPLE: P124-DC.
7. THE CONTRACTOR SHALL INCLUDE SUFFICIENT TIME INTO THE PROJECT TO CUSTOM CONFIGURE, THE ACCESS CONTROL PROGRAM TO INTERFACE AND CONTROL EACH SYSTEM SHOWN ON THE DIAGRAM AND DESCRIBED IN THE SPECIFICATIONS.

KEYED NOTES:

- 1 ACCESS CONTROL PANELS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS. CONNECT ALL DEVICES TO THESE PANELS. ALSO PROVIDE CABLEING TO CONNECT THE PANELS TO THE ETHERNET SWITCHES IN THE RACKS.
- 2 WHERE MORE THAN ONE PANEL IS AT THE SAME LOCATION, THE CONTRACTOR CAN CONNECT ONE PANEL TO THE ETHERNET NETWORK AND CONNECT THE OTHER PANELS TO THE ETHERNET CONNECTED PANEL.
- 3 PROVIDE AND INSTALL THE PHOTO BADGING DEVICES INCLUDING THE CARD PRINTER AND CAMERA.
- 4 THE CONTRACTOR SHALL PROVIDE A POWER SUPPLY IN THE COMMUNICATIONS ROOM TO POWER ALL THE DOOR HARDWARE EXCEPT THE SLATCH RETRACTION DEVICES. THE "RL" DEVICES ARE POWERED LOCALLY. CONNECT THE POWER SUPPLY TO ALL DOOR HARDWARE DEVICES THAT REQUIRE POWER.
- 5 THERE WILL BE PANELS IN ONE OR MORE COMMUNICATIONS ROOMS IN EACH BUILDING. SEE THE FLOORPLANS FOR SUGGESTED PANEL LOCATIONS. INSTALL PANELS AS NOTED AND AS REQUIRED. CONNECT TO THE DATA NETWORK IN EACH COMM ROOM.

THIS DIAGRAM SHOWS CONNECTIVITY & DOES NOT INDICATE THE TYPE & QUANTITY OF ACCESS CONTROL & INTRUSION DETECTION DEVICES. SEE PLANS FOR QUANTITY.

1 ACCESS CONTROL DIAGRAM
TC504



NOTES:

1. PROVIDE MANUFACTURERS RECOMMENDED CABLES TO CONNECT ALL INTERCOM COMPONENTS. CABLES SHALL BE PLENUM RATED.
2. INSTALL THE INTERCOMS AT THE DOORS SHOWN. PROVIDE THE SURFACE MOUNT BOX AT EACH ENTRY LOCATION.
3. CONNECT THE PROGRAMMABLE TO THE ACCESS CONTROL SYSTEM TO RELEASE THE LOCK ON THE DOOR NEAREST EACH ENTRY.
4. FULLY CONFIGURE THE SYSTEM TO RELEASE THE LOCK AT THE DOOR WHERE THE EXTERIOR INTERCOM IS LOCATED.

2 ENTRY DOOR
INTERCOM CONNECTIVITY DIAGRAM

TC504

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED ENTERING FROM OUTSIDE - VALID ID CARD

1. IF THE PERSON PRESENTS A VALID CARD THEN THE LATCH SHALL RETRACT INSIDE THE EXTERIOR DOOR.
2. THE SECURITY SYSTEM SHALL ALLOW THE EXTERIOR PUSH BUTTON TO BE ENERGIZED. ONCE THE PUSH BUTTON IS ENERGIZED THEN THE EXTERIOR DOOR SHALL BE OPENED IF THE BUTTON IS PUSHED.
3. THE EXTERIOR AUTO OPENER CONTROL BOARD SHALL COMMUNICATE TO THE CONTROL BOARD OF THE INTERIOR DOOR AND THAT DOOR SHALL OPEN.

OPERATION SEQUENCE WHEN THE DOORS ARE UNLOCKED ENTERING FROM OUTSIDE

1. THE LATCH BOLT MONITOR SHALL NOTE THAT THE LATCH IS RETRACTED AND SHALL COMMUNICATE THAT INFORMATION TO THE CONTROL BOARD IN THE AUTO OPENER.
2. THE CONTROL BOARD SHALL ALLOW THE EXTERIOR PUSH BUTTON TO BE ENERGIZED. ONCE THE PUSH BUTTON IS ENERGIZED THEN THE EXTERIOR DOOR SHALL BE OPENED IF THE BUTTON IS PUSHED.
3. THE EXTERIOR AUTO OPENER CONTROL BOARD SHALL COMMUNICATE TO THE CONTROL BOARD OF THE INTERIOR DOOR AND THAT DOOR SHALL OPEN.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED ENTERING FROM OUTSIDE –NO CARD OR INVALID CARD

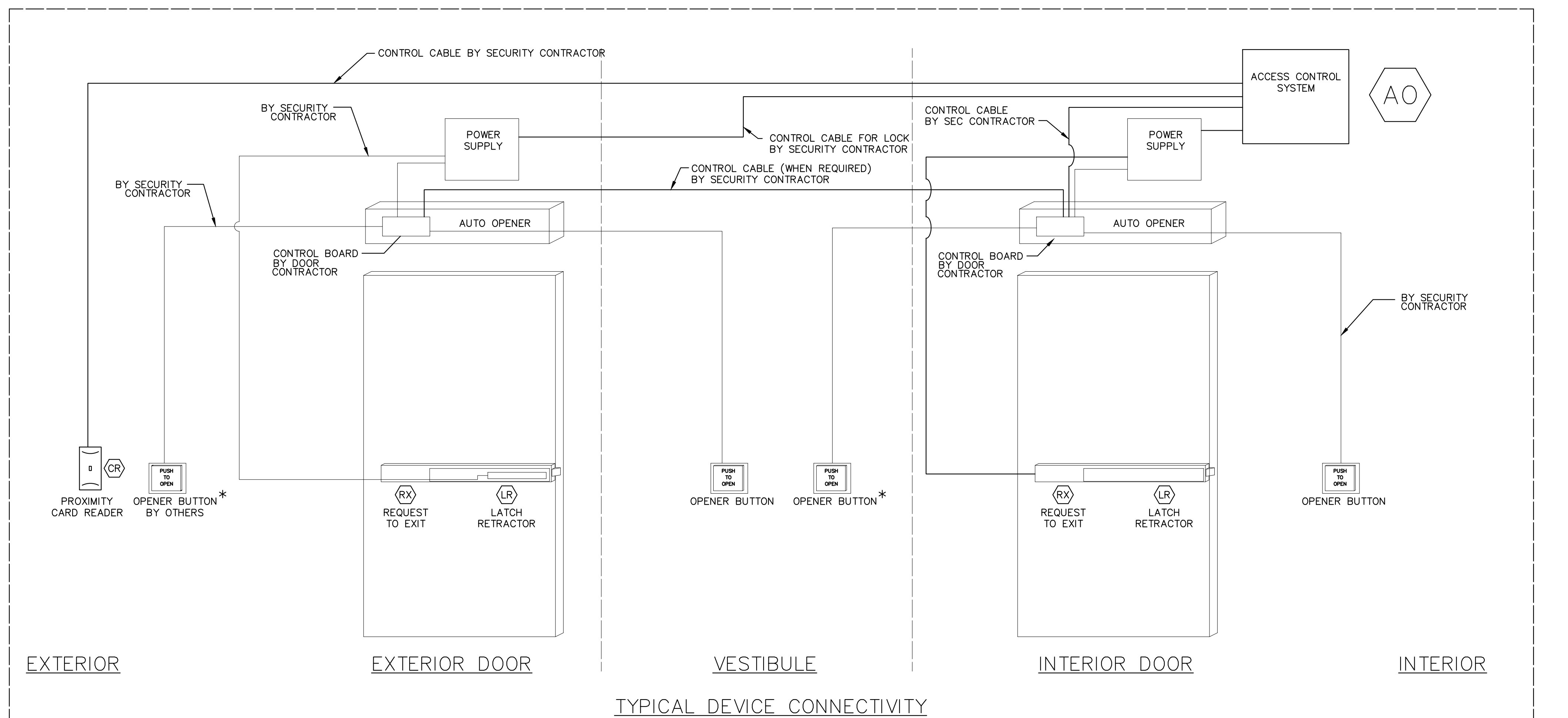
1. IF THE PERSON PUSHES THE EXTERIOR OPENER BUTTON THEN THE AUTO OPENER SHALL NOT ENGAGE BECAUSE THE OPENER BUTTON IS NOT ENERGIZED.
2. THE EXTERIOR OPENER BUTTON IS NOT ENERGIZED UNLESS THE LATCH BOLT MONITOR NOTES THAT THE LATCH IS RETRACTED.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED, EXITING FROM INTERIOR

1. WHEN A PERSON PUSHES THE INTERIOR OPENER BUTTON THEN THAT SHALL COMMUNICATE WITH THE INTERIOR AUTO OPENER AND OPEN THAT DOOR.
2. THE CONTROL BOARD OF THE INTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER AND NOTE THAT THE INTERIOR OPENER BUTTON HAS BEEN PRESSED.
3. THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE ACCESS CONTROL SYSTEM AND INSTRUCT IT TO RETRACT THE LATCH ON THE EXTERIOR DOOR.
4. THE EXTERIOR CONTROL BOARD SHALL WAIT A SET NUMBER OF SECONDS AND THEN IT SHALL ENGAGE THE EXTERIOR AUTO OPENER TO OPEN THE EXTERIOR DOOR.

OPERATION SEQUENCE WHEN THE DOORS ARE LOCKED, EXITING FROM VESTIBULE

1. WHEN A PERSON PUSHES THE VESTIBULE OPENER BUTTON THEN THAT SHALL COMMUNICATE WITH THE INTERIOR AUTO OPENER AND OPEN THAT DOOR. IT SHALL ALSO COMMUNICATE WITH THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER.
2. THE CONTROL BOARD OF THE EXTERIOR AUTO OPENER SHALL COMMUNICATE WITH THE ACCESS CONTROL SYSTEM AND INSTRUCT IT TO RETRACT THE LATCH ON THE EXTERIOR DOOR.
3. THE EXTERIOR CONTROL BOARD SHALL WAIT A SET NUMBER OF SECONDS AND THEN IT SHALL ENGAGE THE EXTERIOR AUTO OPENER TO OPEN THE EXTERIOR DOOR.



GENERAL NOTE:

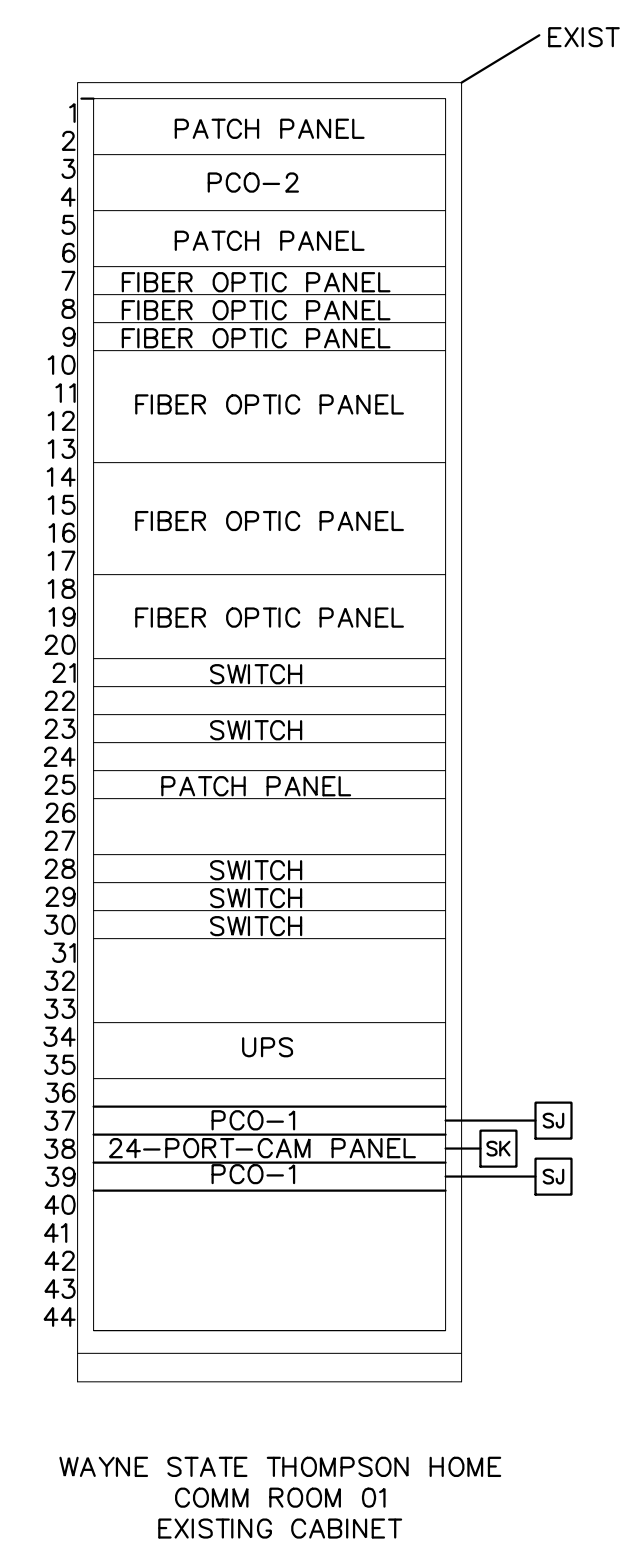
* THE OUTSIDE OPENER BUTTON WILL BE ENABLED & DISABLED BY THE ACCESS CONTROL SYSTEM. THE BUTTONS WILL BE ENABLED WHEN THE DOOR IS UNLOCKED.

1
TC505

ADA DOOR OPENER & ACCESS CONTROL INTEGRATION DIAGRAM

GENERAL NOTES:

1. WHERE REQUIRED THE CONTRACTOR SHALL INSTALL D-RINGS TO ROUTE CABLES HORIZONTALLY & VERTICALLY ALONG THE WALLFIELD.
2. ALL CABLES SHALL ROUTE IN THE CEILING & THEN ROUTE DOWN VERTICAL CABLE LADDER TO THE RACK. AT THE RACK/CABINET, PROVIDE A "DRIP LOOP" FOR ALL THE CABLES DRIP LOOP SHALL BE A MINIMUM OF ONE FOOT.
3. INSTALL THE CAMERA PATCH PANEL AT THE LOCATIONS NOTED. INSTALL PATCH CORD ORGANIZERS ON EACH SIDE OF THE PATCH PANEL.



2
TC505

COMM ROOM 01
WAYNE STATE - THOMPSON HOME

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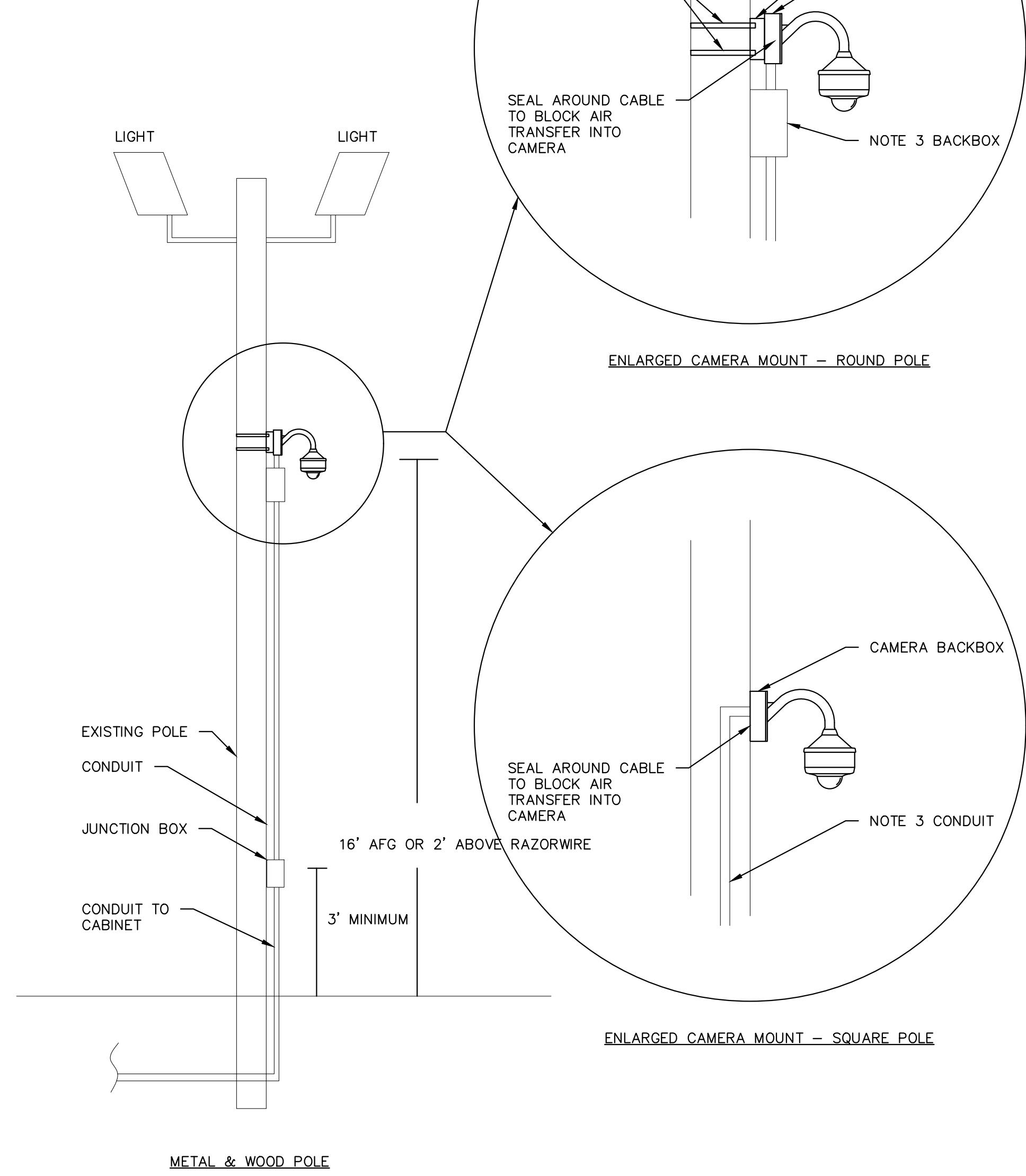
**WAYNE STATE
THOMPSON HOME
VIDEO SECURITY UPGRADES
WAYNE, MI**

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Date	XX/XX/XXXX
Project	1209_05
Sheet	TC505 SECURITY ADA DETAILS

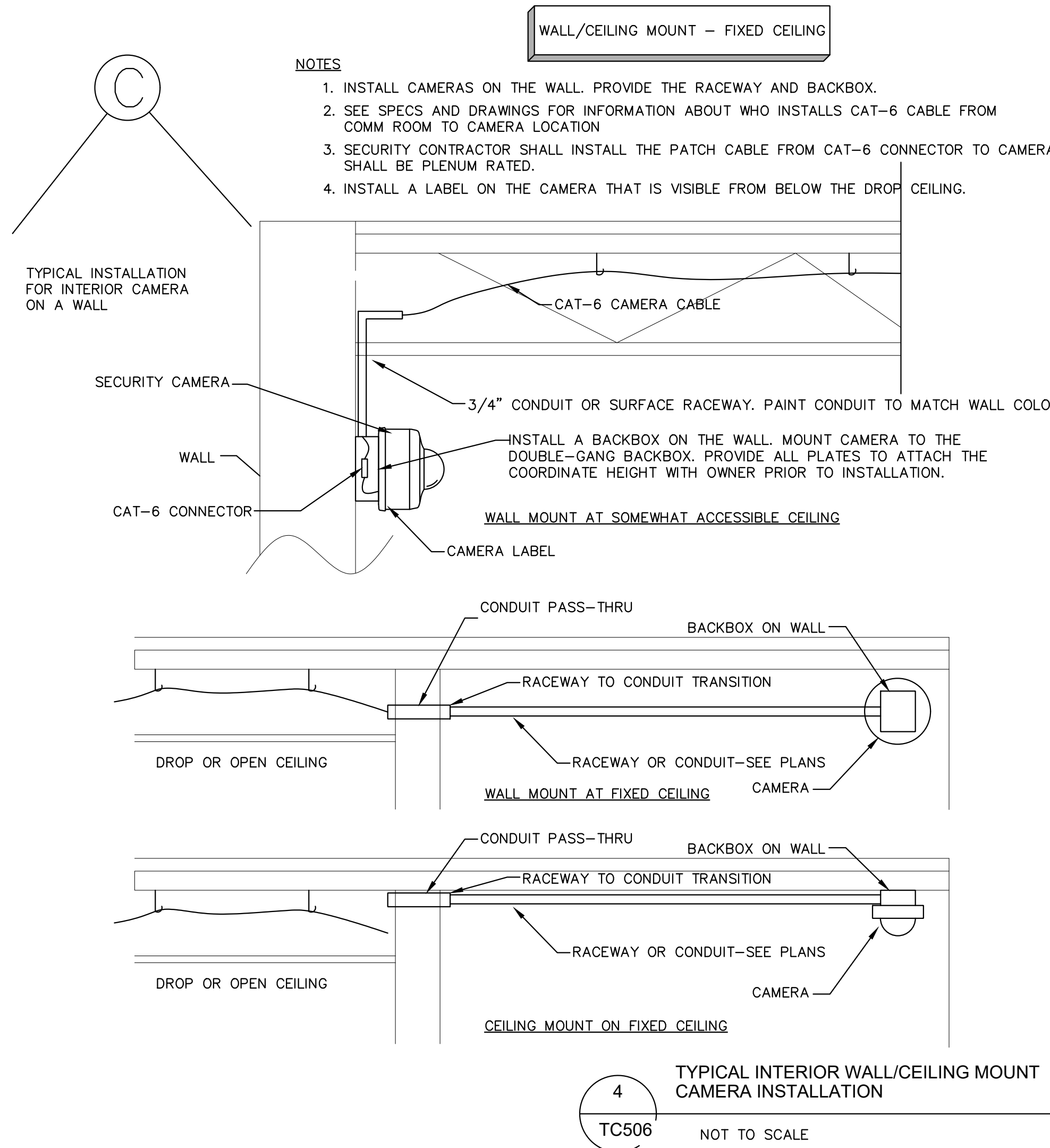
NOTES:

1. THE CAMERAS SHALL BE SECURELY MOUNTED TO THE POLE. INSTALL STAINLESS STEEL STRAPS AND THE CORRECT POLE MOUNTING HARDWARE BASED ON MANUFACTURERS' RECOMMENDATIONS.
2. THE CAMERA LOCATION SHALL BE COORDINATED WITH THE HEIGHT OF THE RAZOR WIRE. MOUNT NO LESS THAN 2' ABOVE TOP OF RAZOR WIRE.
3. ON ALL POLES THE CONDUIT WILL ROUTE UP THE EXTERIOR OF THE POLE TO THE BACKBOXES. REFER TO ELEC. DRAWINGS FOR ADDITIONAL INFORMATION.
4. SEAL AROUND THE CABLE IN THE CAMERA MOUNT TO PREVENT AIR INFILTRATION TO THE CAMERA.

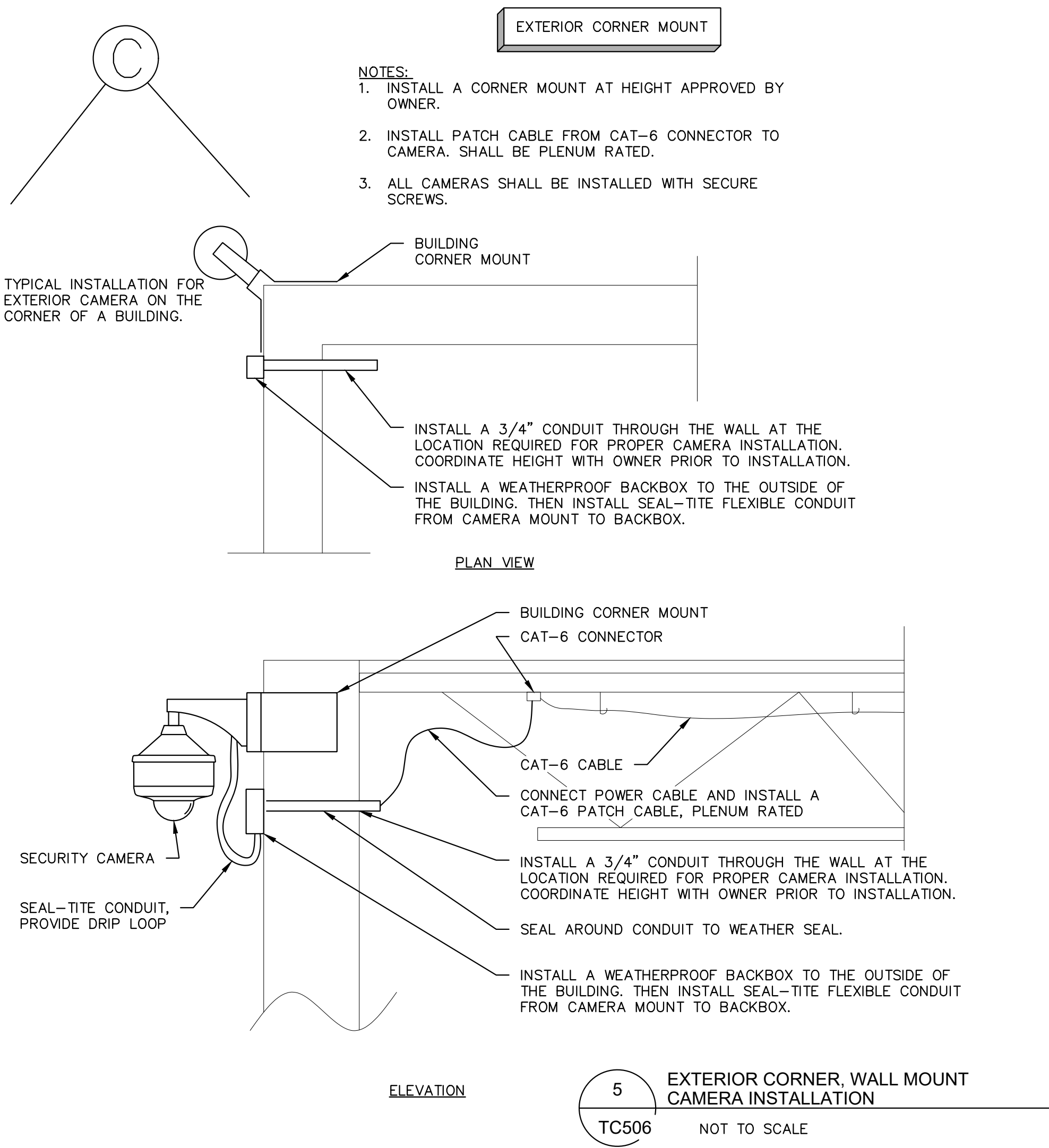


SEE ELECTRICAL DRAWINGS FOR ACTUAL CONDUIT REQUIREMENTS & ROUTING

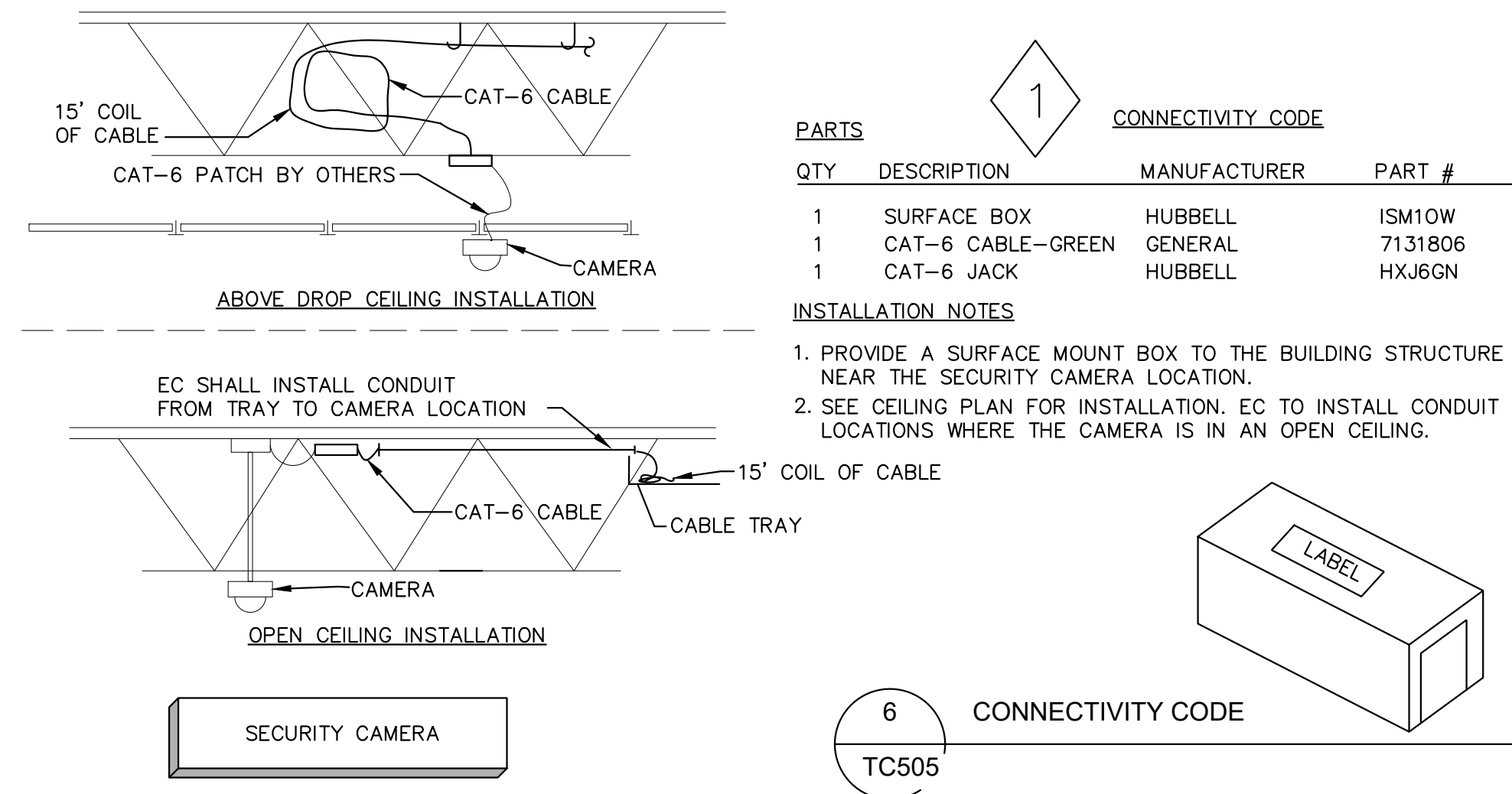
7 CAMERA POLE MOUNTING DETAIL
TC506



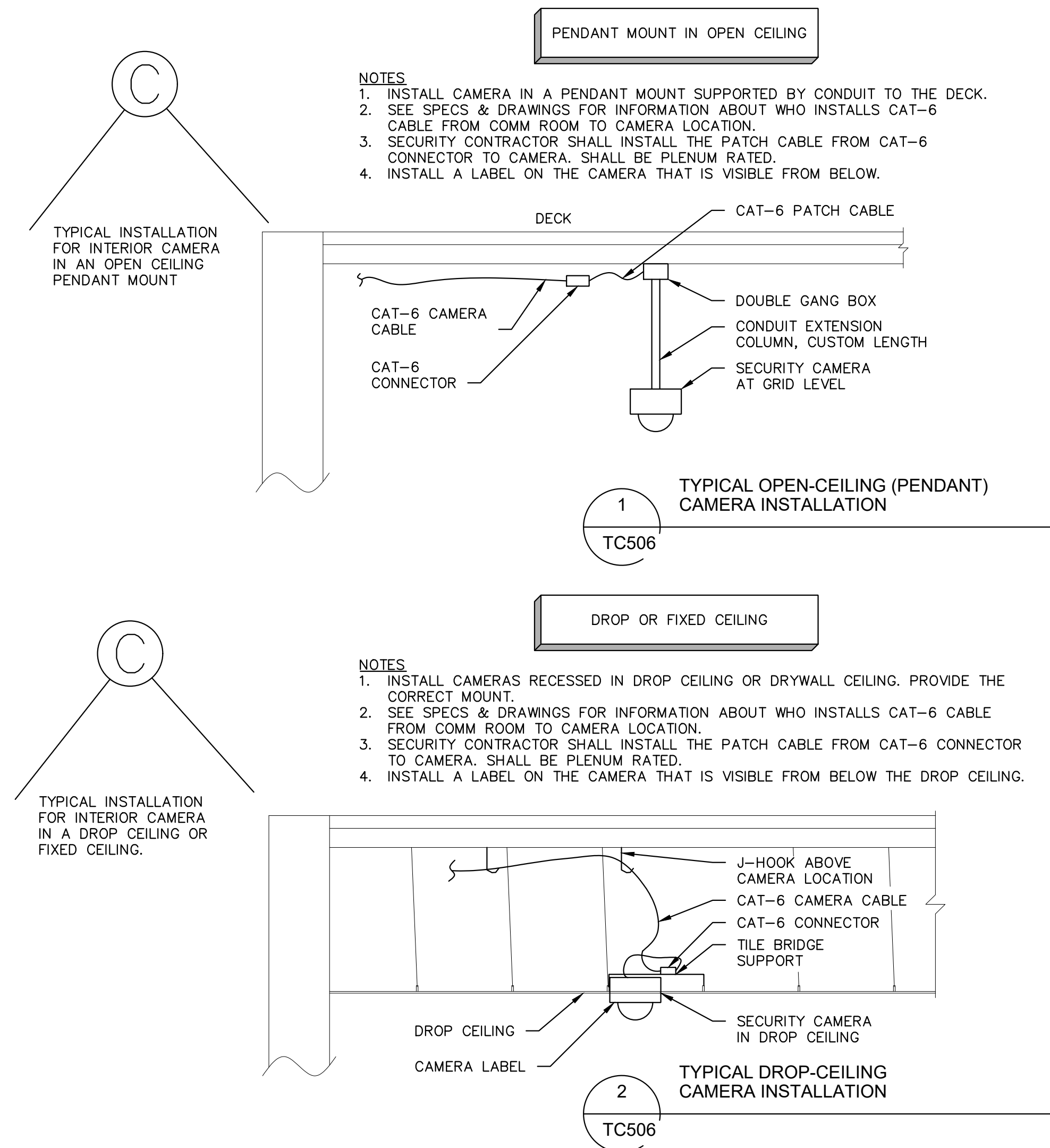
4 TYPICAL INTERIOR WALL/CEILING MOUNT CAMERA INSTALLATION
TC506 NOT TO SCALE



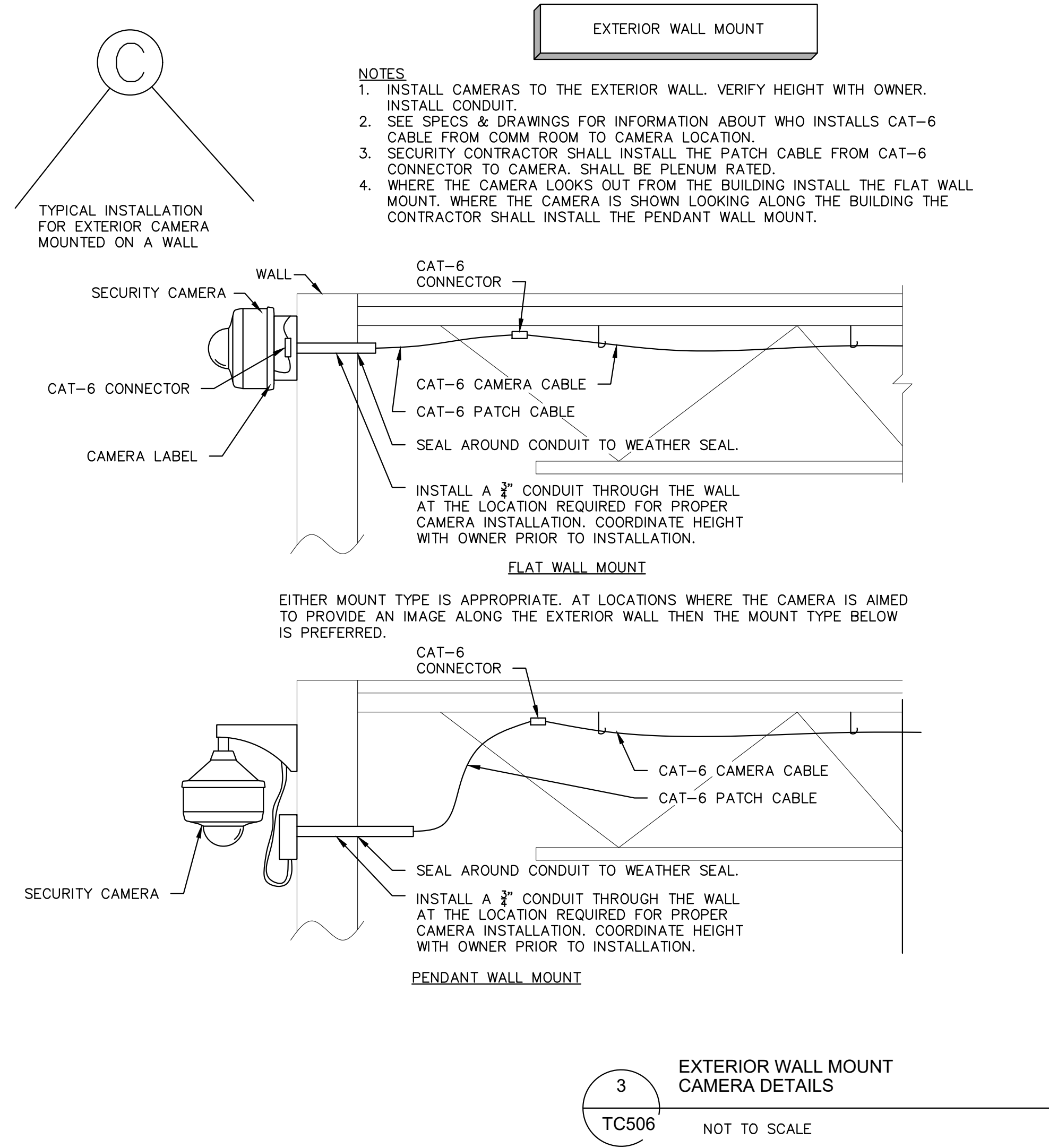
5 EXTERIOR CORNER, WALL MOUNT CAMERA INSTALLATION
TC506 NOT TO SCALE



6 CONNECTIVITY CODE
TC505



2 TYPICAL DROP-CEILING CAMERA INSTALLATION
TC506



3 EXTERIOR WALL MOUNT CAMERA DETAILS
TC506 NOT TO SCALE

Mark	Revision	Description
	00	CONSTRUCTION
	5/6/16	

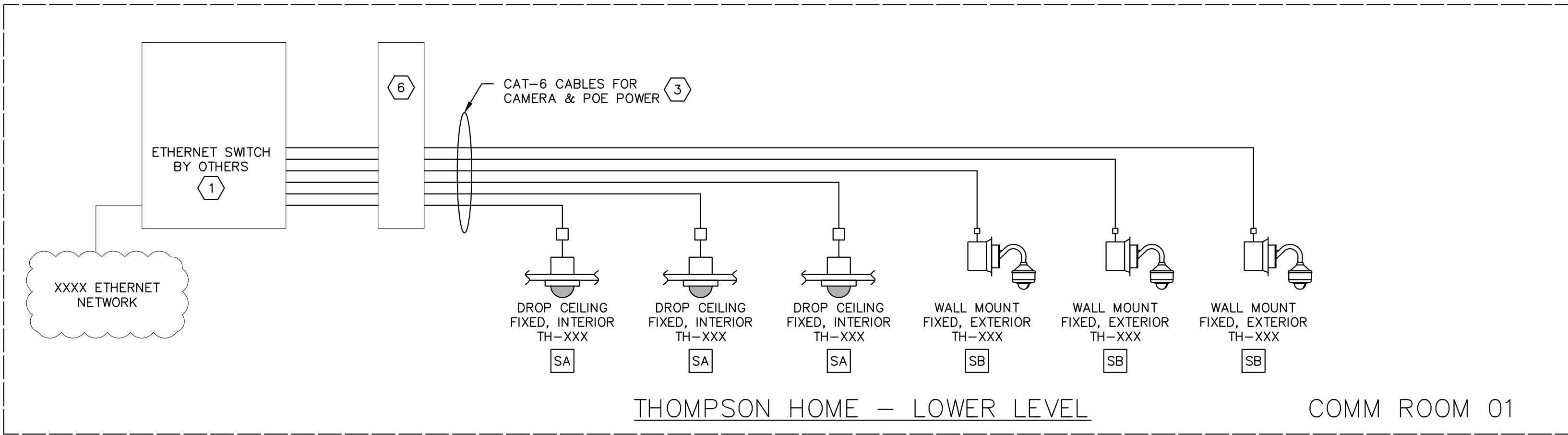
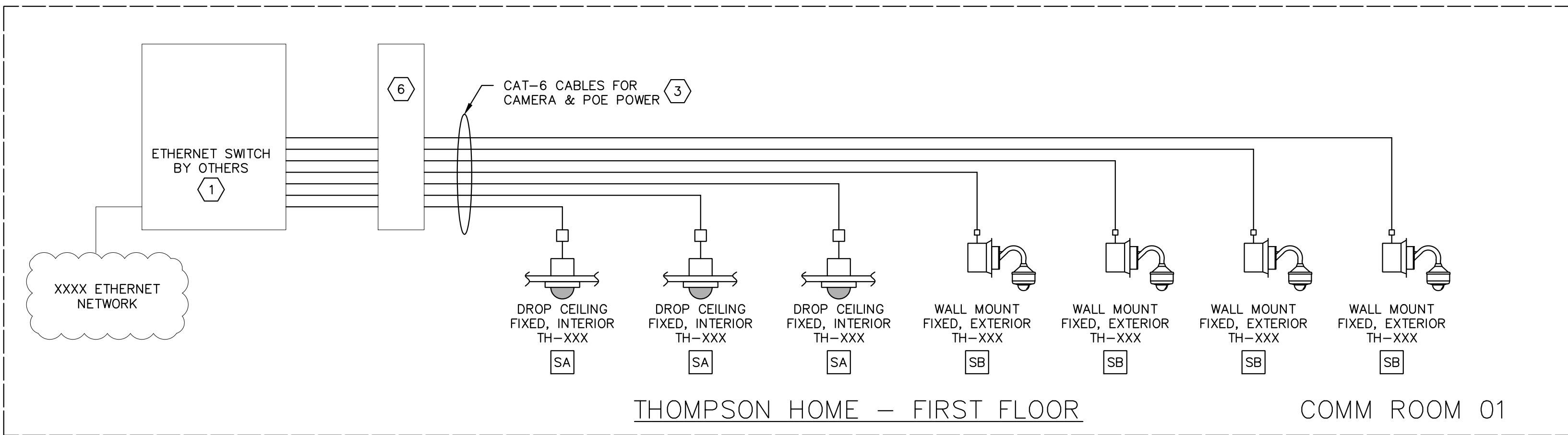
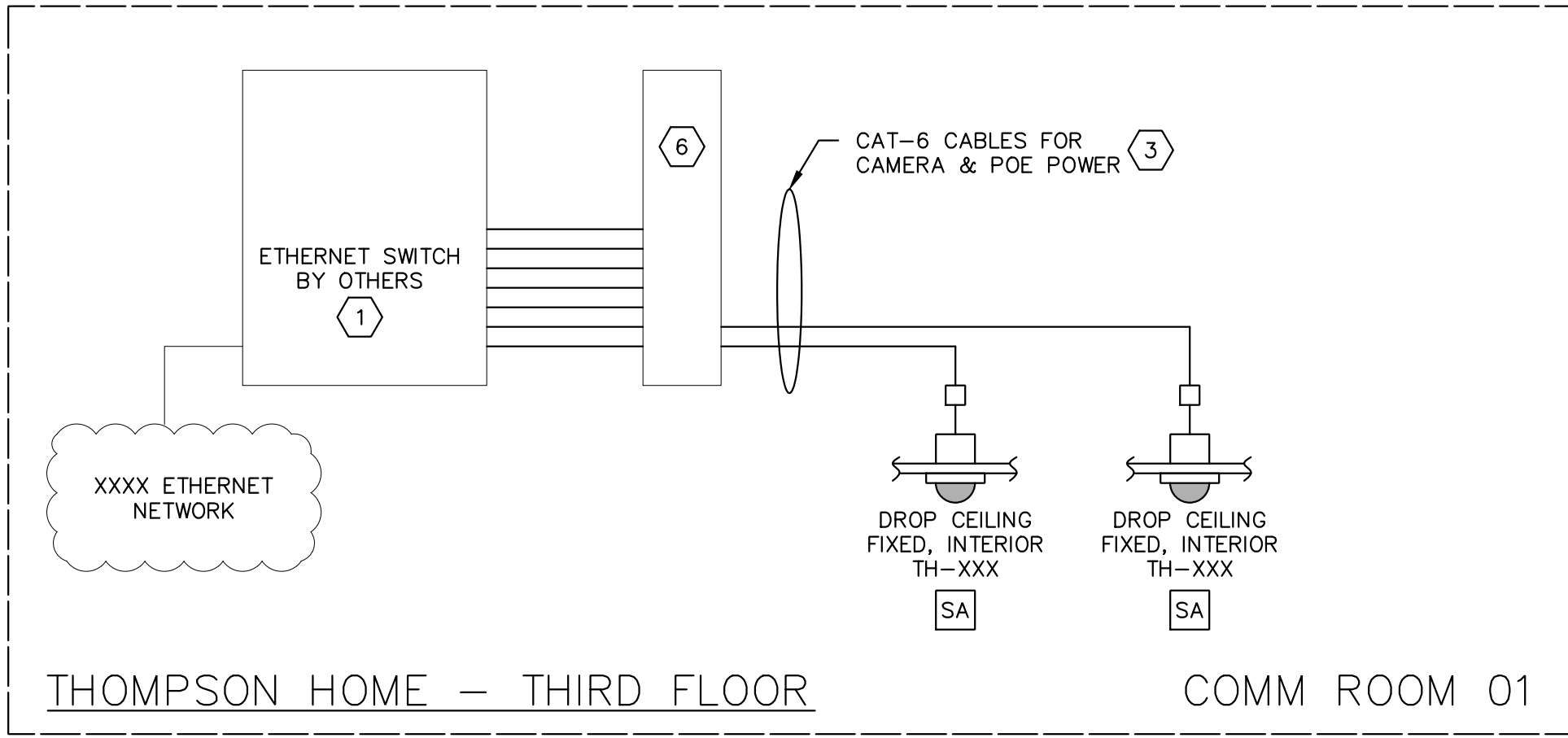
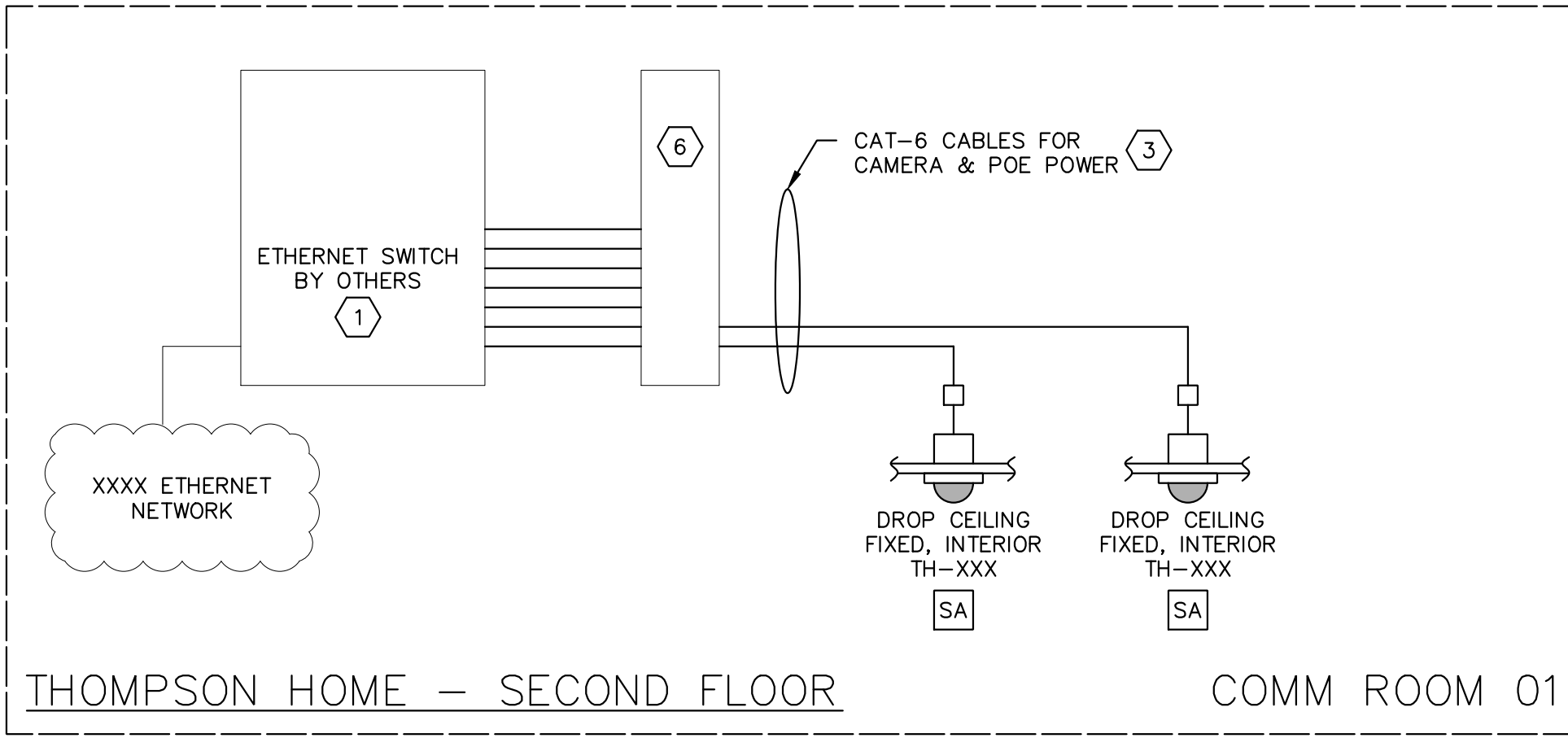
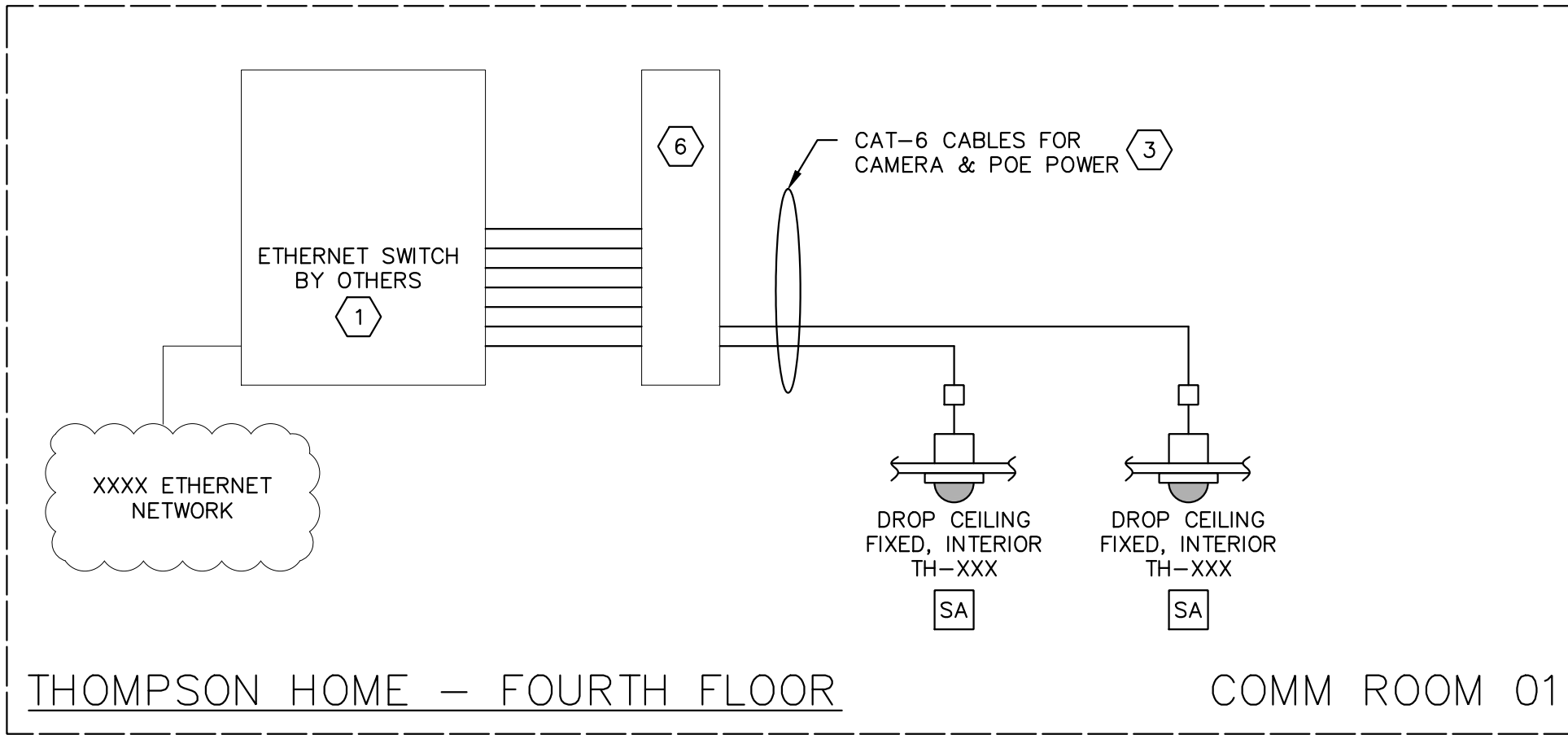
GENERAL SECURITY NOTES:

- CONTRACTOR SHALL PROVIDE ALL PATCH CABLES AT THE CAMERA AND AT THE COMM ROOM.
- THE CONTRACTOR SHALL SUPPLY ANY & ALL BALUNS, COUPLERS ADAPTERS & CONVERTERS THAT ARE REQUIRED FOR THE INTER-CONNECTION OF ALL THE SECURITY COMPONENTS.
- THE CAMERA CABLES SHALL TRANSPORT ALL VIDEO SIGNALS & CONTROL SIGNALS & POWER SIGNALS.
- CONTRACTOR SHALL PROVIDE THE CORRECT CAMERA MOUNT BASED ON CAMERA LOCATION AND STRUCTURE AVAILABLE. PROVIDE RECESSED CAMERA MOUNTS IN DROP CEILINGS.
- CONTRACTOR SHALL INSTALL AND CONFIGURE REMOTE VIEWING & CONTROL SOFTWARE ON THE FOLLOWING:
-(NUMBER (X) MONITOR COMPUTERS PROVIDED AS PART OF THIS BID.
-(NUMBER (X) OWNER PC'S
-(NUMBER (X) WIRELESS TABLETS/SMARTPHONES.
- CONTRACTOR SHALL MEET WITH THE OWNER AND DETAIL ALL THE CAPABILITIES OF THE SYSTEM. THE CONFIGURATION OF THE RECORDER AND CAMERAS SHALL BE BASED ON THESE MEETINGS WITH THE OWNER.

- WHERE THE CAMERA IS NOT INSTALLED INTO A DROP CEILING THE CONTRACTOR SHALL PROVIDE A MOUNT AND HOUSING. PROVIDE WEATHERPROOF MOUNTS ON EXTERIOR CAMERAS.
- FOR EXTERIOR CAMERAS, THE CONTRACTOR SHALL PROVIDE A HEATER INSIDE EACH CAMERA MOUNT.
- CONTRACTOR SHALL PROVIDE THE CORRECT LENS TO EACH CAMERA BASED ON THE INSTALLED LOCATION AND THE OWNERS REQUIREMENTS FOR THE FIELD OF VIEW. WORK WITH THE OWNER DURING INSTALLATION.
- ALL CAMERAS SHALL CONNECT TO THE IP NETWORK SWITCH IN THE COMMUNICATIONS ROOM. CONTRACTOR SHALL WORK WITH THE OWNER ON CONFIGURATION OF THE ETHERNET SWITCH.
- NETWORK VIDEO RECORDER(S) (NVR) SHALL BE LOCATED IN THE XXXX BUILDING AND ARE TO BE PROVIDED BY THE OWNER. CONTRACTOR SHALL PROVIDE AND CONFIGURE ALL VMS AND SYSTEM SOFTWARE REQUIRED.

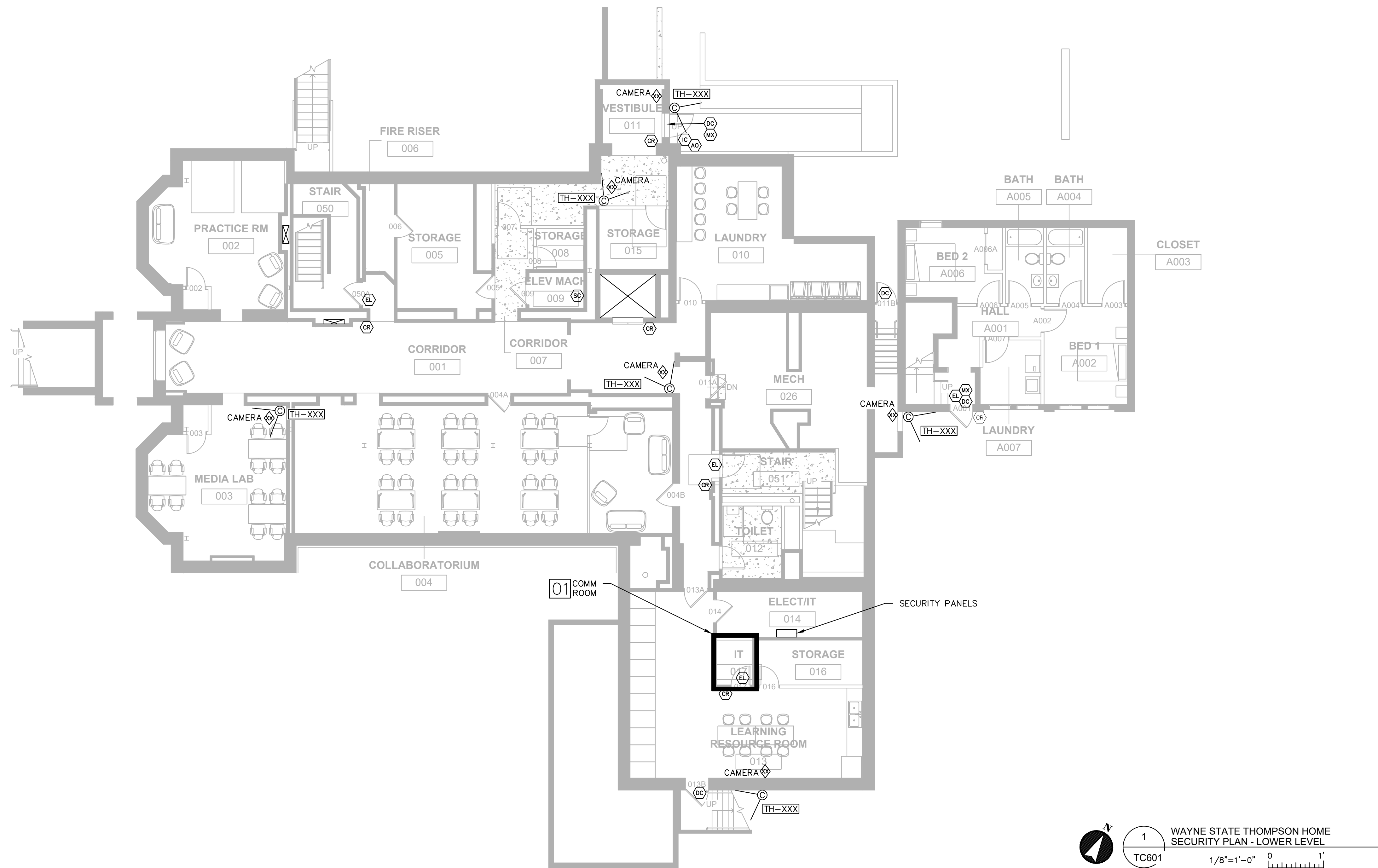
- THE DATA NETWORK AND ALL ETHERNET SWITCHES WILL BE PROVIDED BY XXXX. THE SECURITY CONTRACTOR SHALL MEET WITH THE OWNER TO CONFIRM ALL NETWORK SPECIFICATION REQUIREMENTS FOR A VLAN OR OTHER QUALITY OF SERVICE SETTINGS FOR THE CAMERA SYSTEM.
- PROVIDE ALL PATCH CABLES REQUIRED FOR CONNECTION OF ALL CAMERAS AT THE CAMERA AND AT THE NETWORK SWITCH. ALL PATCH CABLES SHALL BE GREEN IN COLOR.
- CAT-6 CABLES FROM THE COMM ROOM TO THE CAMERA ARE INSTALLED BY THE CABLING CONTRACTOR. INSTALL PATCH CABLES FROM OUTLET TO CAMERA.
- THE SERVER(S) WILL BE LOCATED IN THE XXXXXXXX BUILDING. CONTRACTOR SHALL LOAD ALL SOFTWARE REQUIRED TO RECORD AND MANAGE ALL CAMERAS THROUGHOUT THE BUILDINGS.

REFER TO THE PLANS FOR CAMERA LOCATIONS



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	00	CONSTRUCTION
	5/6/16	

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Date	XX/XX/XXXX	
Project	1209_05	
Sheet	TC510 SECURITY CAMERA ONE-LINES	

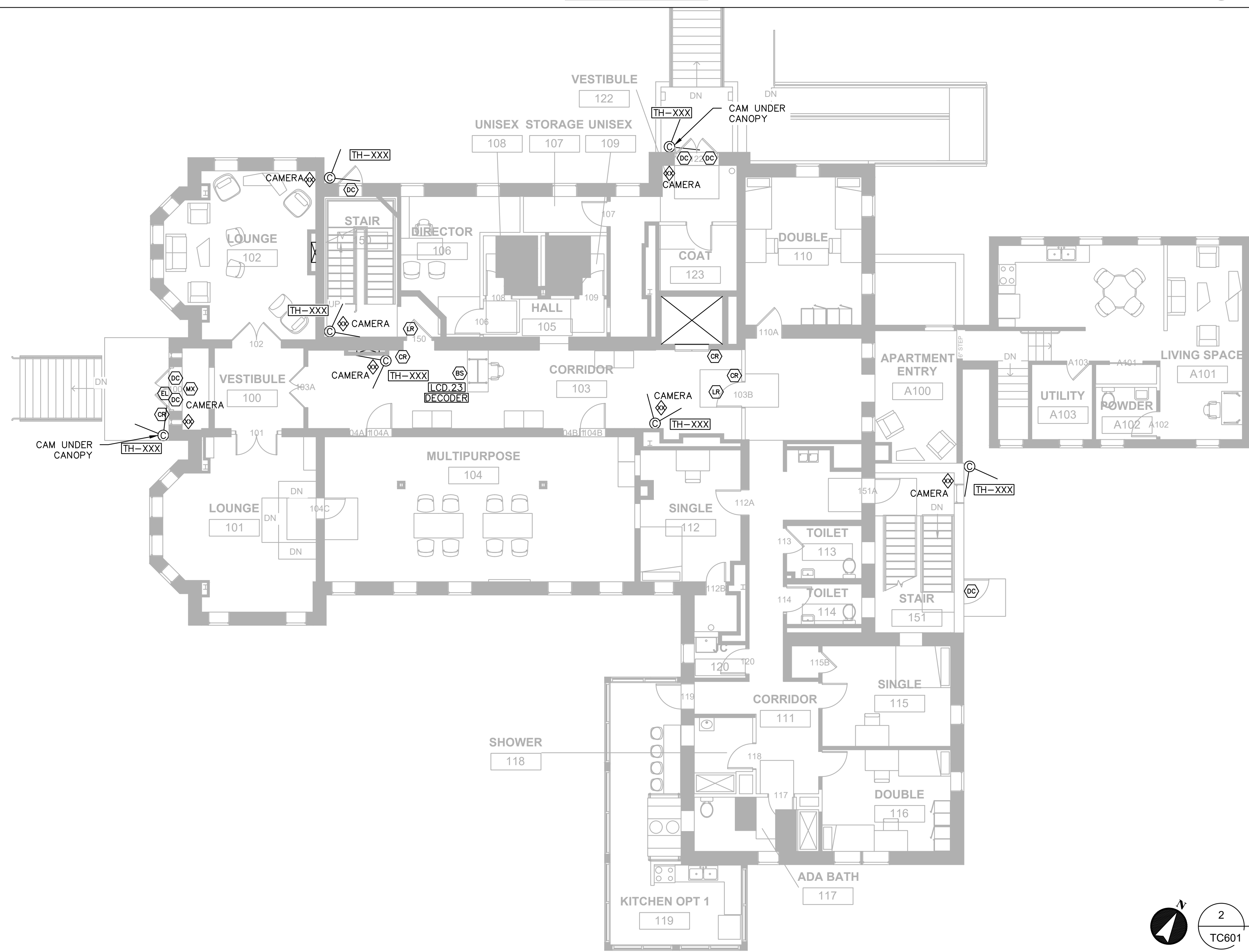


GENERAL SECURITY NOTES

1. SECURITY CONTRACTOR SHALL INSTALL ANY CONDUITS & PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING IN ADDITION TO THOSE SHOWN.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU PRIOR TO CONSTRUCTION & SHALL VERIFY ALL RACEWAYS & PATHWAYS.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.
4. WHERE A CAMERA IS MARKED AS SURFACE MOUNTED ON THE ONE-LINE, THAT CAMERA MAY BE MOUNTED TO THE CEILING OR WALL. PROVIDE A BACKBOX & RACEWAY.
5. XXXXX

KEYED SECURITY NOTES

- ① XXXX
XXXX
- ② XXXX
XXXX
- ③ XXXX
XXXX



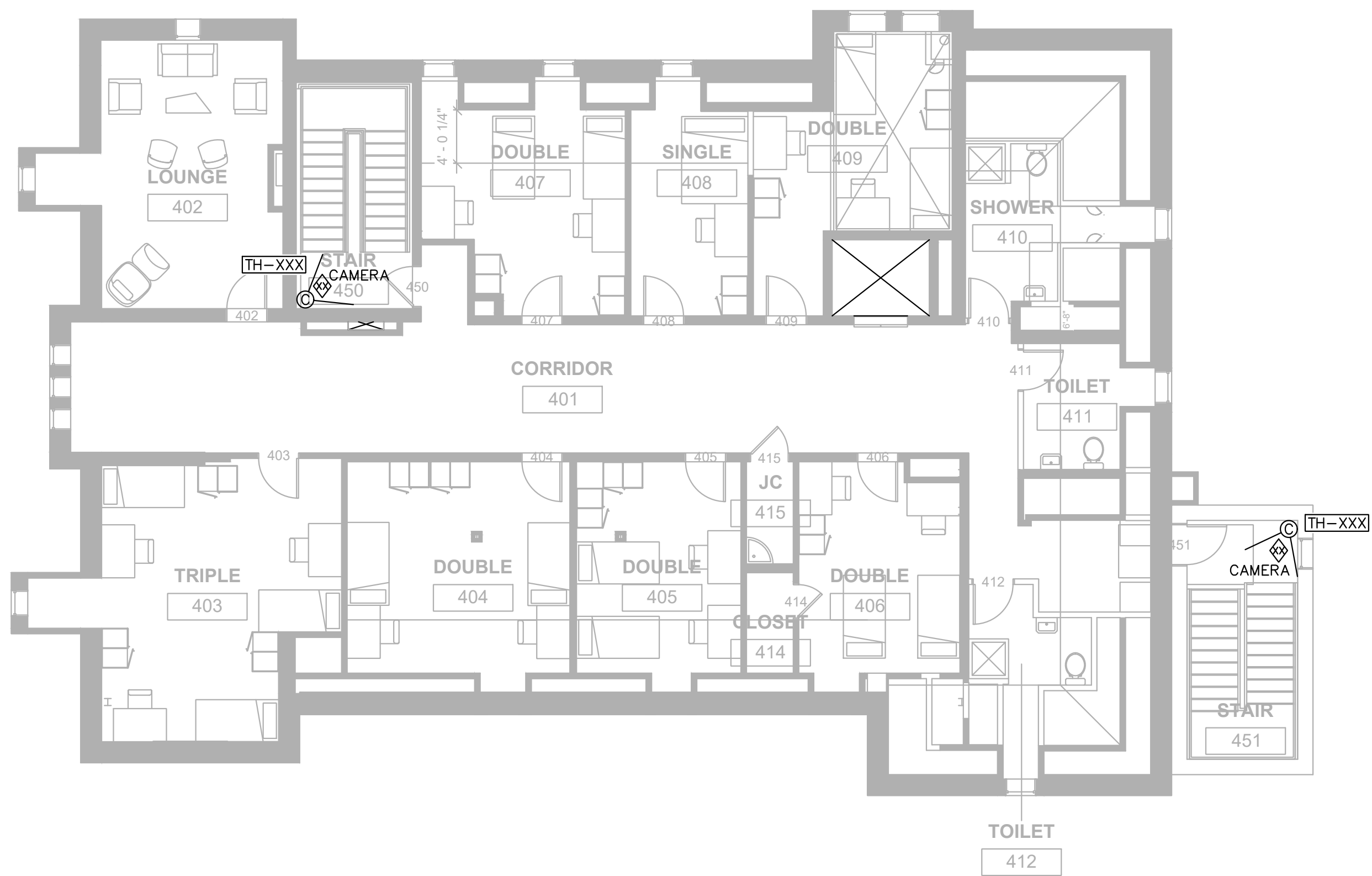
Mark	Revision Description
	00 CONSTRUCTION 5/9/16

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Date	XX/XX/XXXX
Project	1209_05
Sheet	TC601 THOMPSON BUILDING LOWER LEVEL & FIRST FLOOR



1 WAYNE STATE THOMPSON HOME
SECURITY PLAN - SECOND FLOOR
TC602 1/8"=1'-0" 0 1'



3 WAYNE STATE THOMPSON HOME
SECURITY PLAN - FOURTH FLOOR
TC602 1/8"=1'-0" 0 1'



2 WAYNE STATE THOMPSON HOME
SECURITY PLAN - THIRD FLOOR
TC602 1/8"=1'-0" 0 1'

GENERAL SECURITY NOTES

1. SECURITY CONTRACTOR SHALL INSTALL ANY CONDUITS & PASS-THRU'S REQUIRED FOR ROUTING CABLES AROUND THE BUILDING IN ADDITION TO THOSE SHOWN.
2. CONTRACTOR SHALL COMPLETE A WALK-THRU PRIOR TO CONSTRUCTION & SHALL VERIFY ALL RACEWAYS & PATHWAYS.
3. ALL CABLES SHALL BE SUPPORTED ABOVE THE DROP CEILING BY J-HOOKS. HOOKS SHALL BE LOCATED NO LESS THAN EVERY 5 FEET.
4. WHERE A CAMERA IS MARKED AS SURFACE MOUNTED ON THE ONE-LINE, THAT CAMERA MAY BE MOUNTED TO THE CEILING OR WALL. PROVIDE A BACKBOX & RACEWAY.
5. XXXXX

KEYED SECURITY NOTES

- 1 XXXX
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- 2 XXXX
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- 3 XXXX
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	00	CONSTRUCTION 5/9/16

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Date	XX/XX/XXXX	
Project	1209_05	
Sheet	TC602 THOMPSON BUILDING SECOND, THIRD & FOURTH FLOORS	