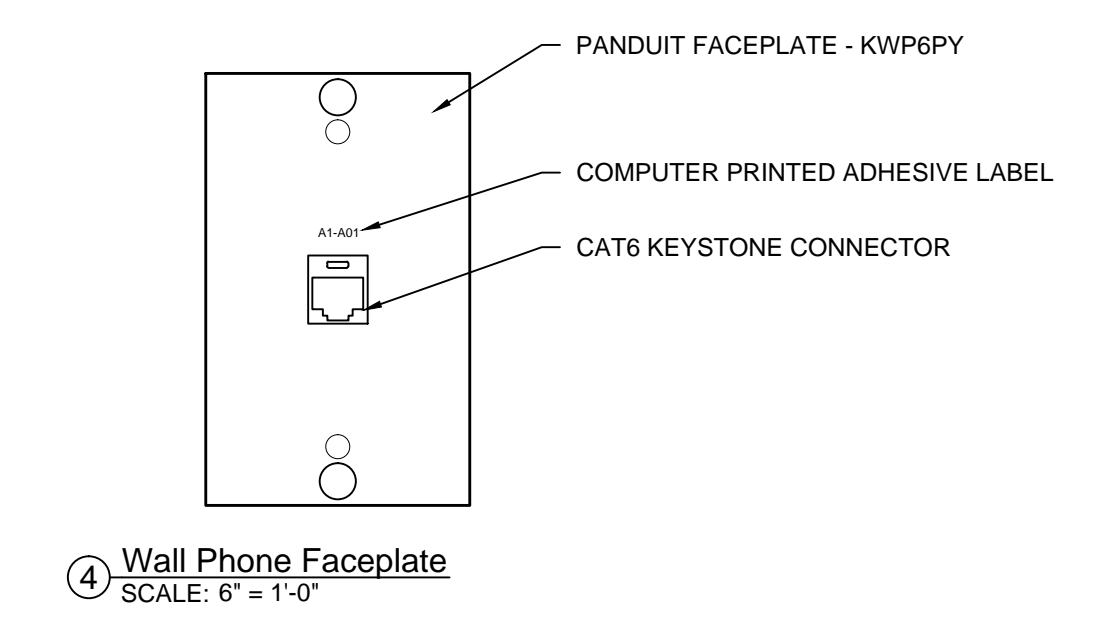
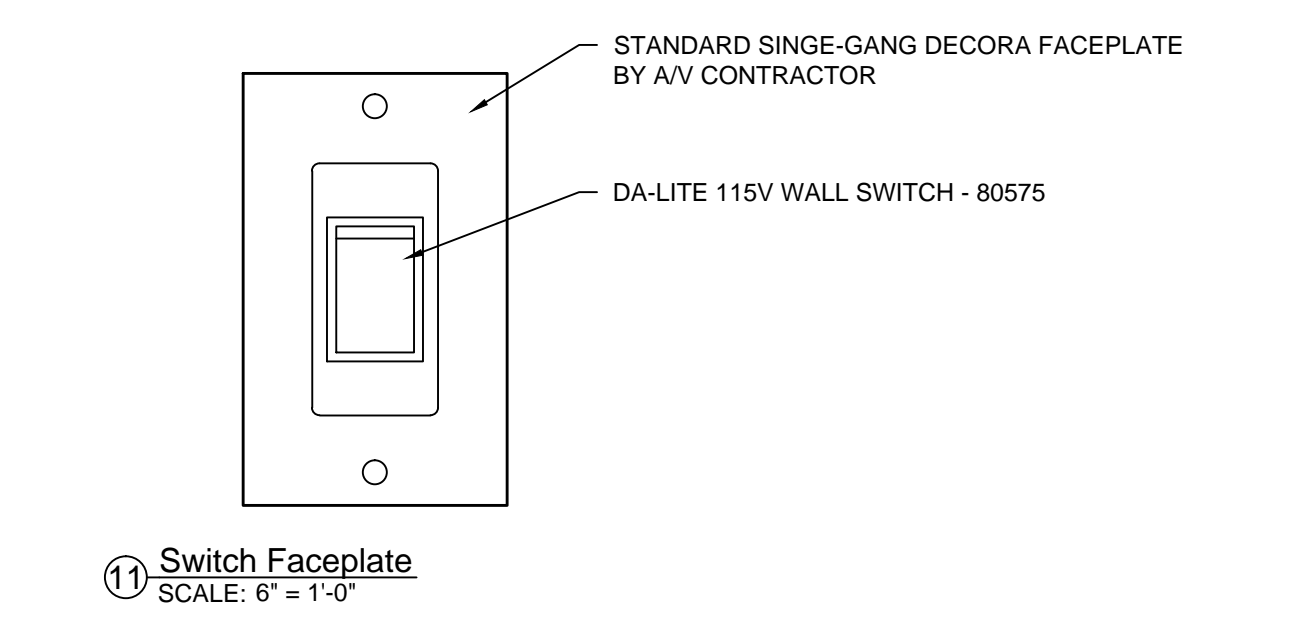
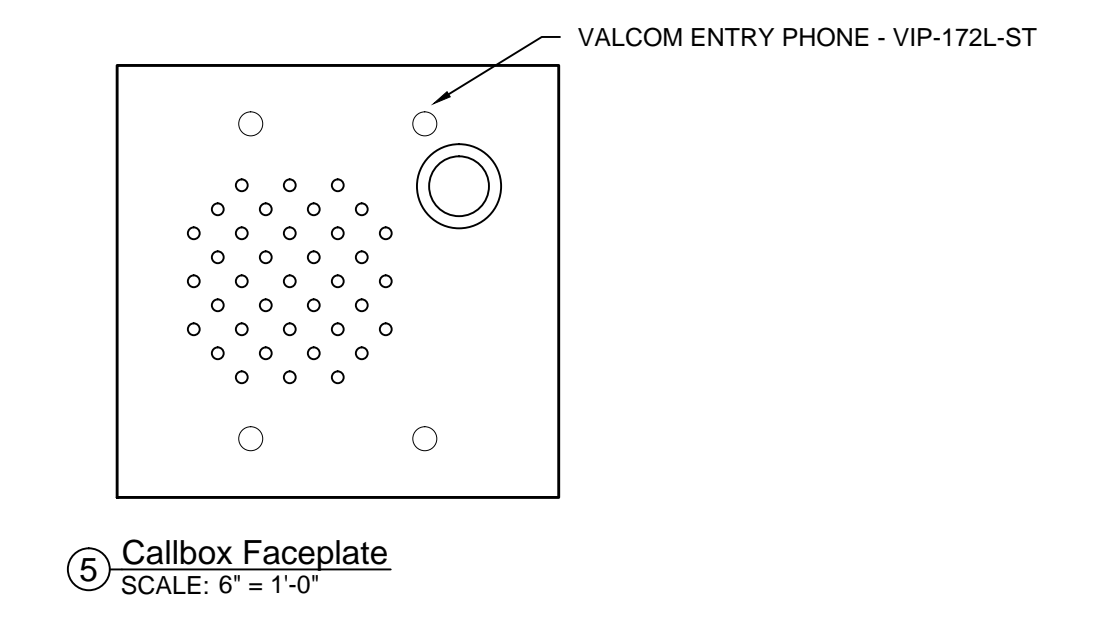
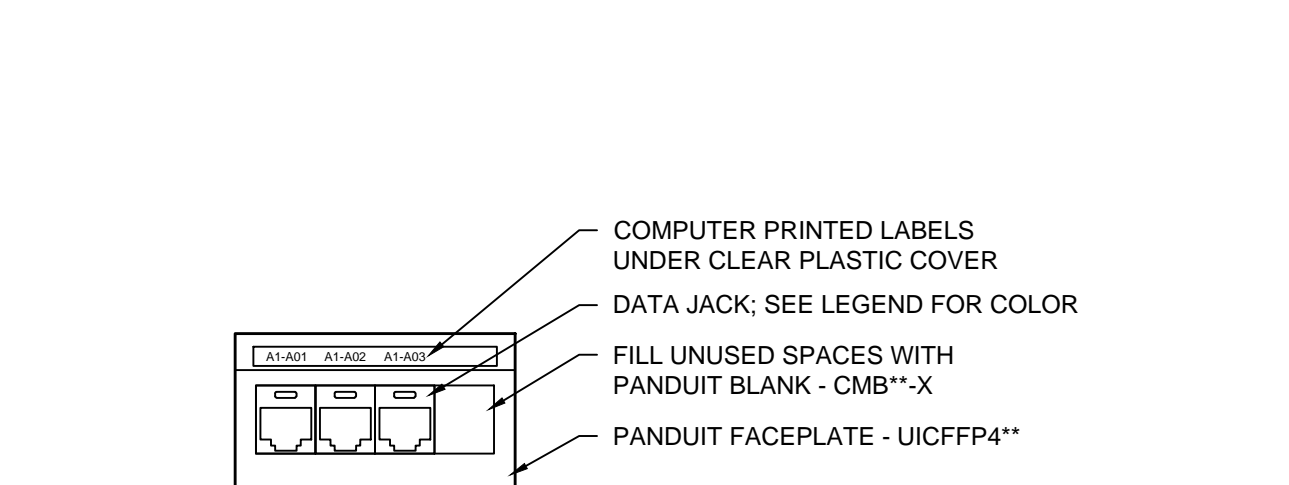
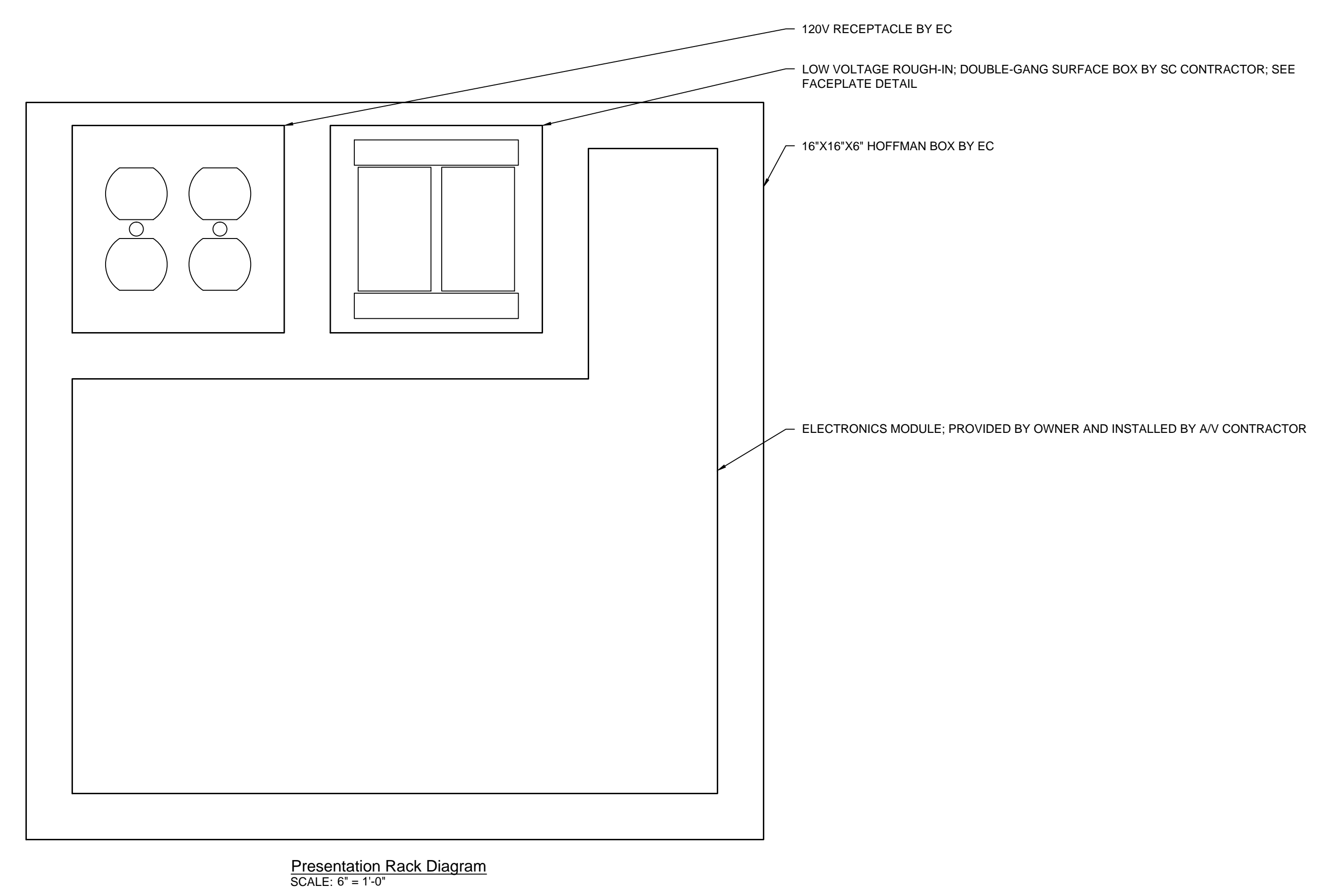
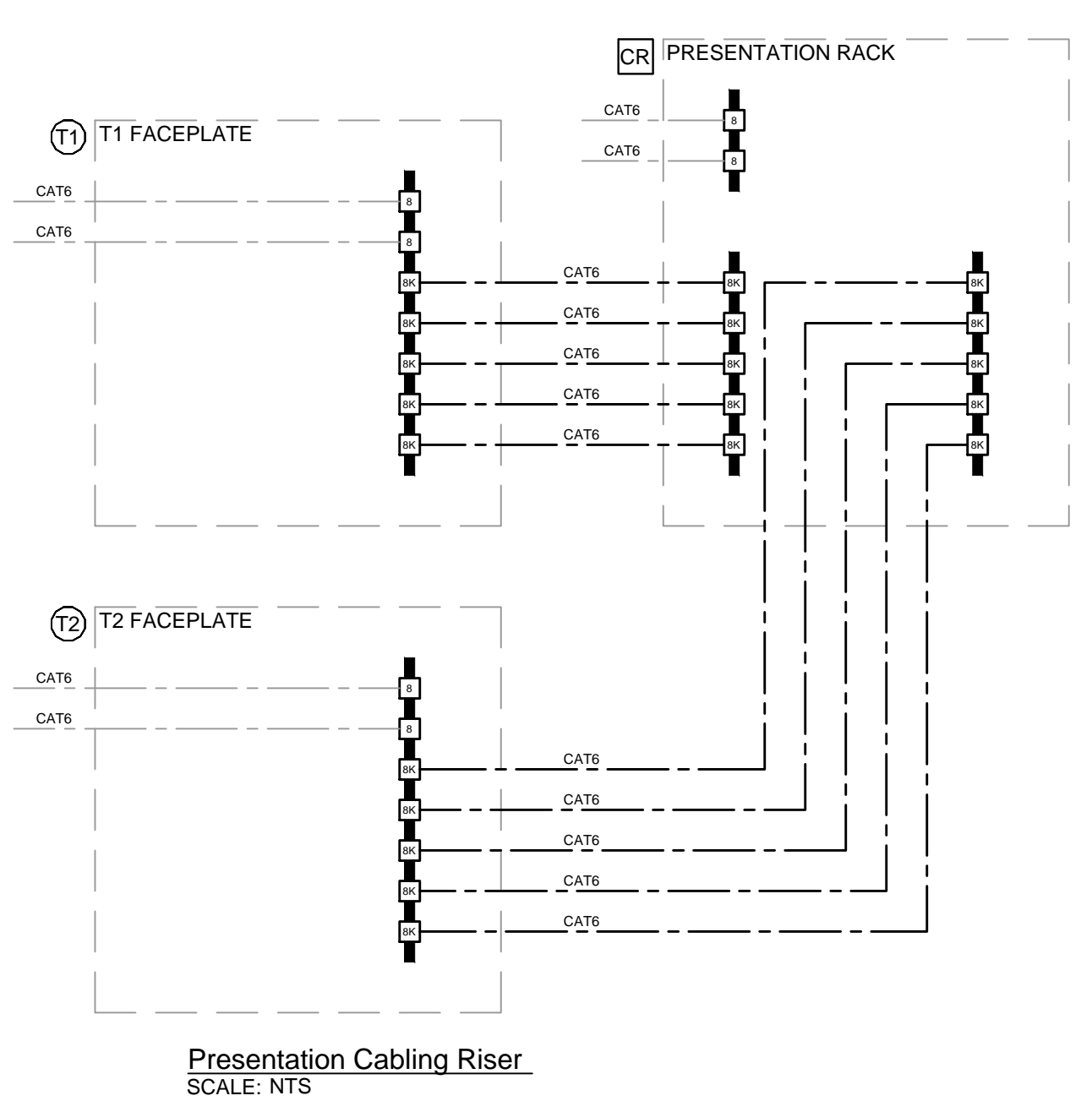
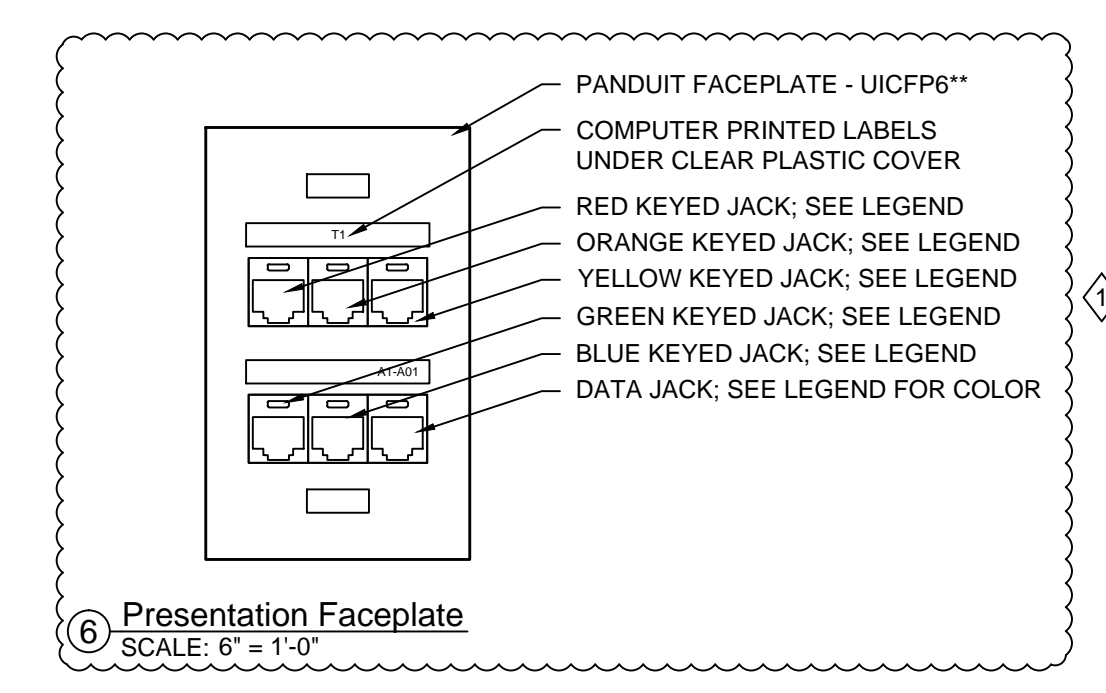
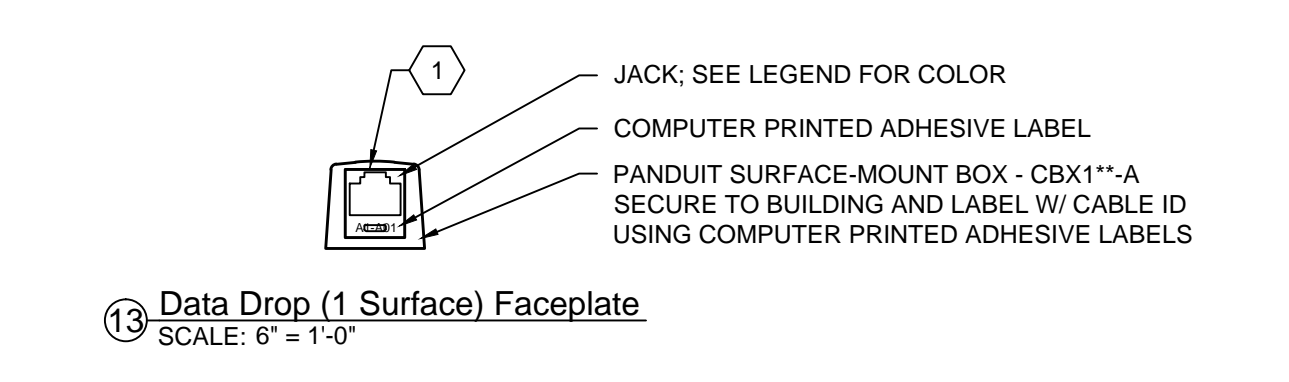
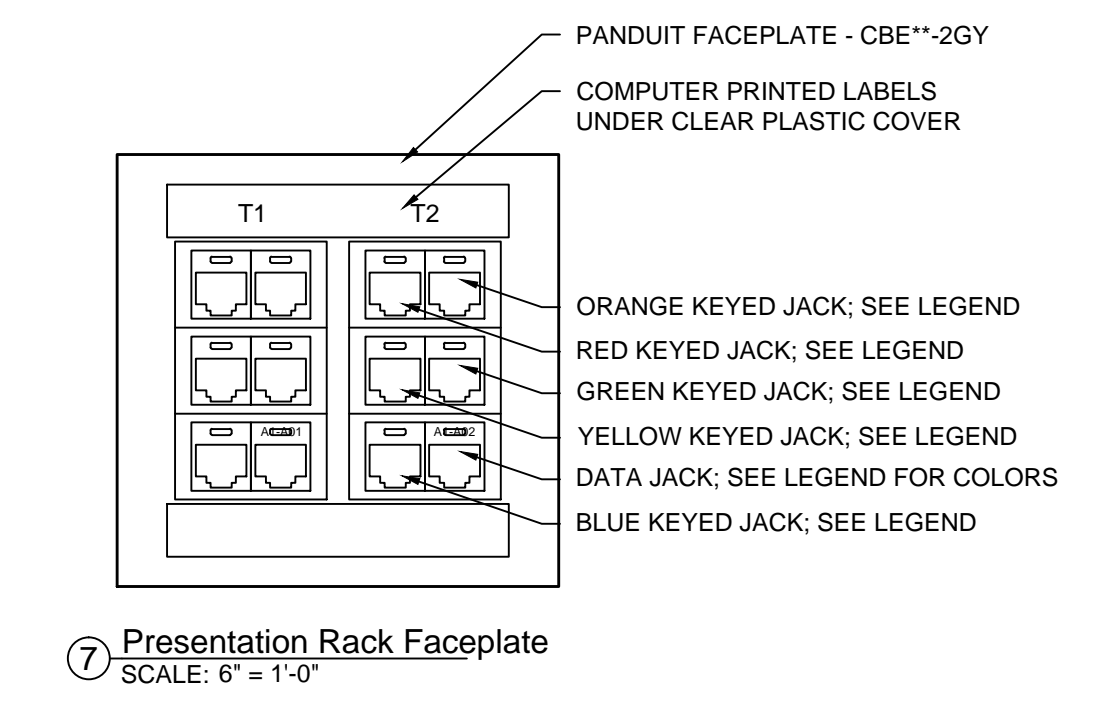
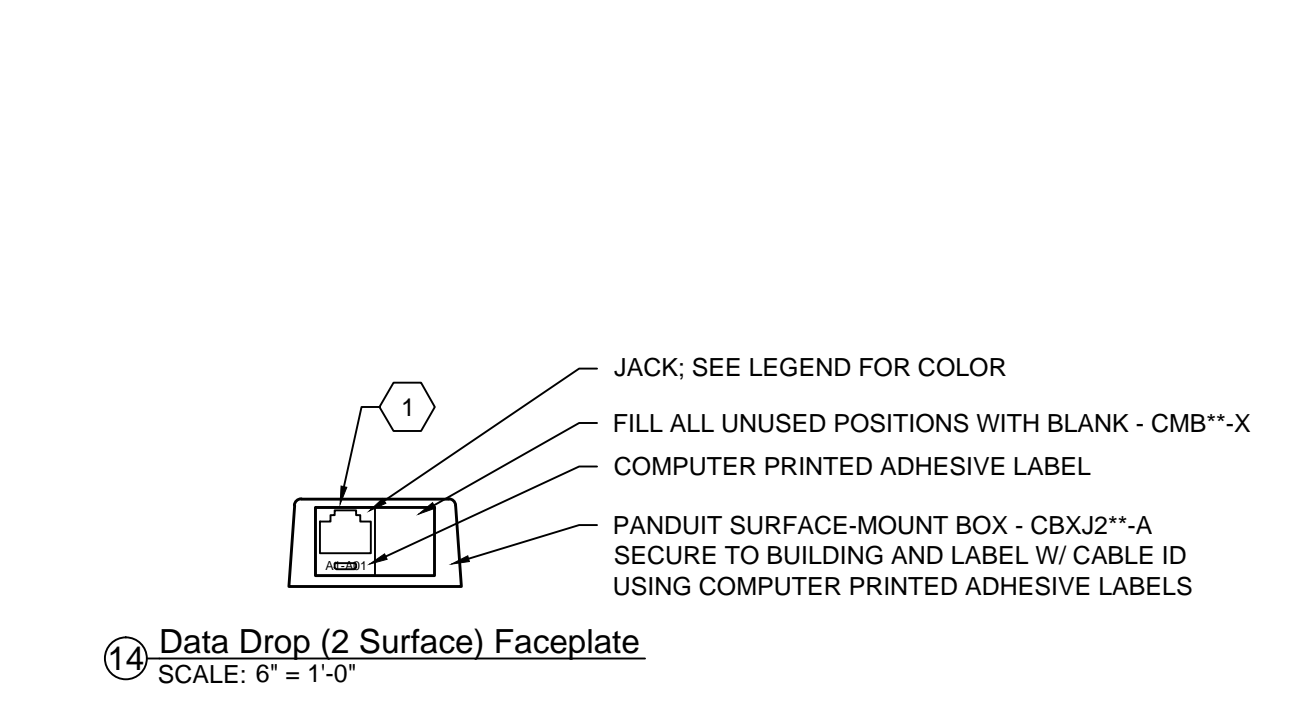
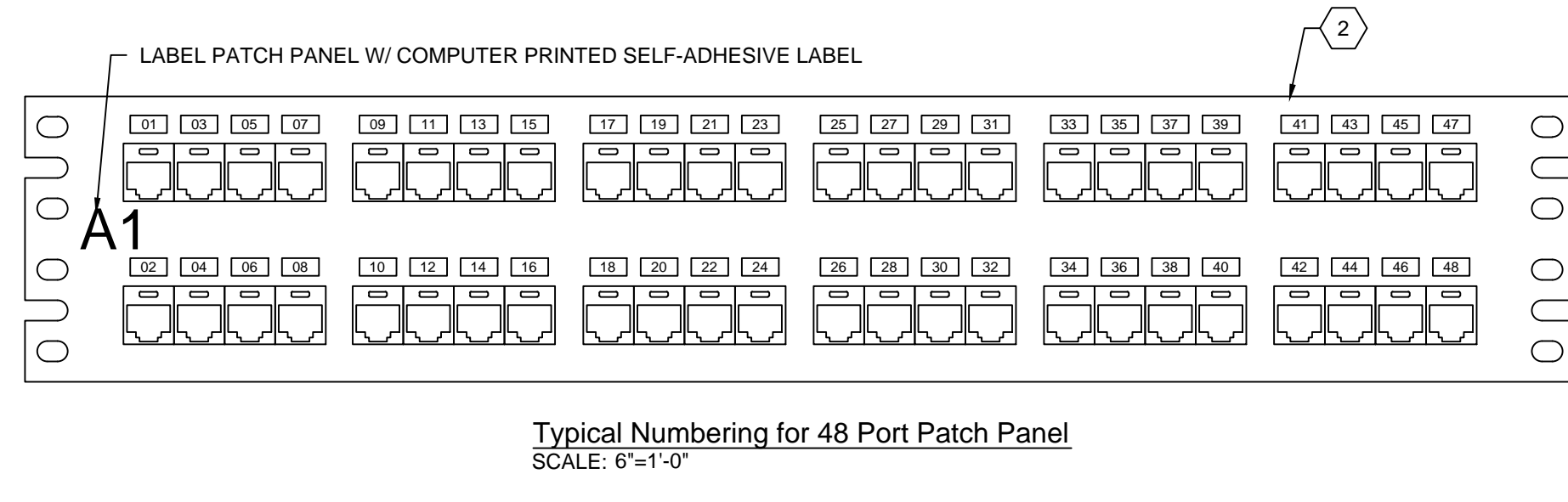
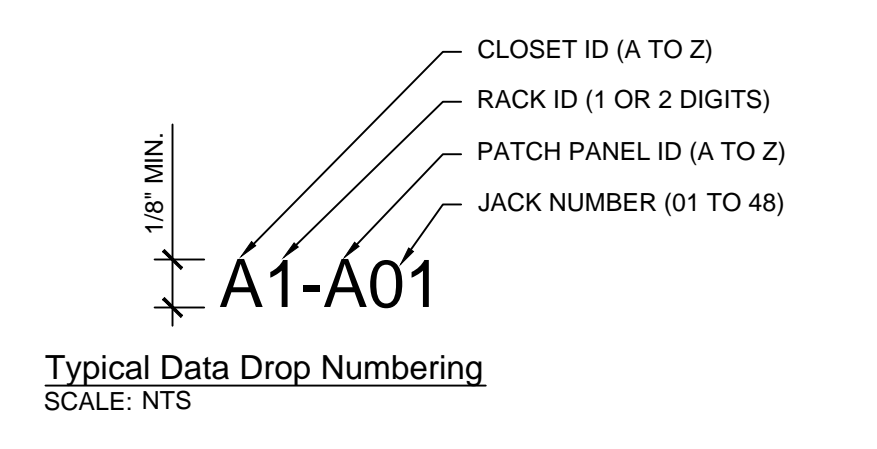
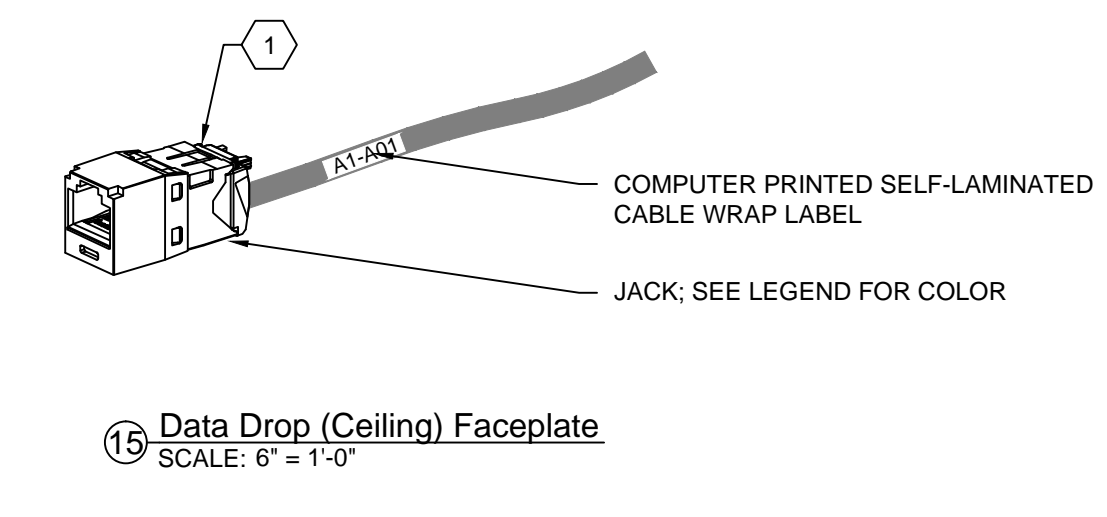
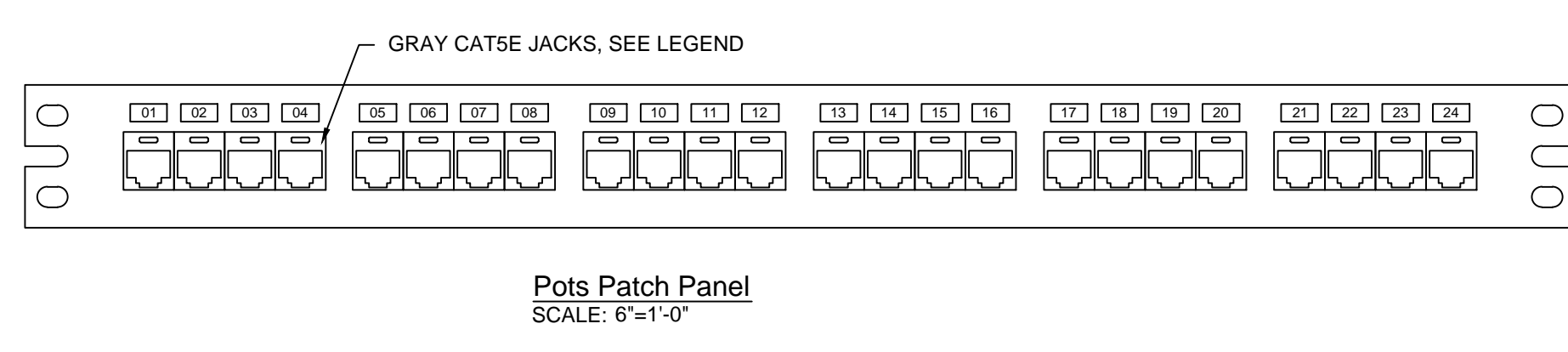
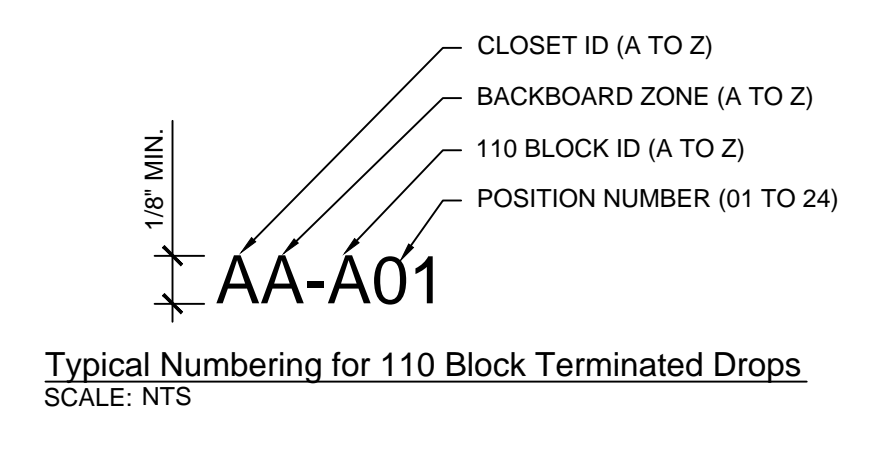
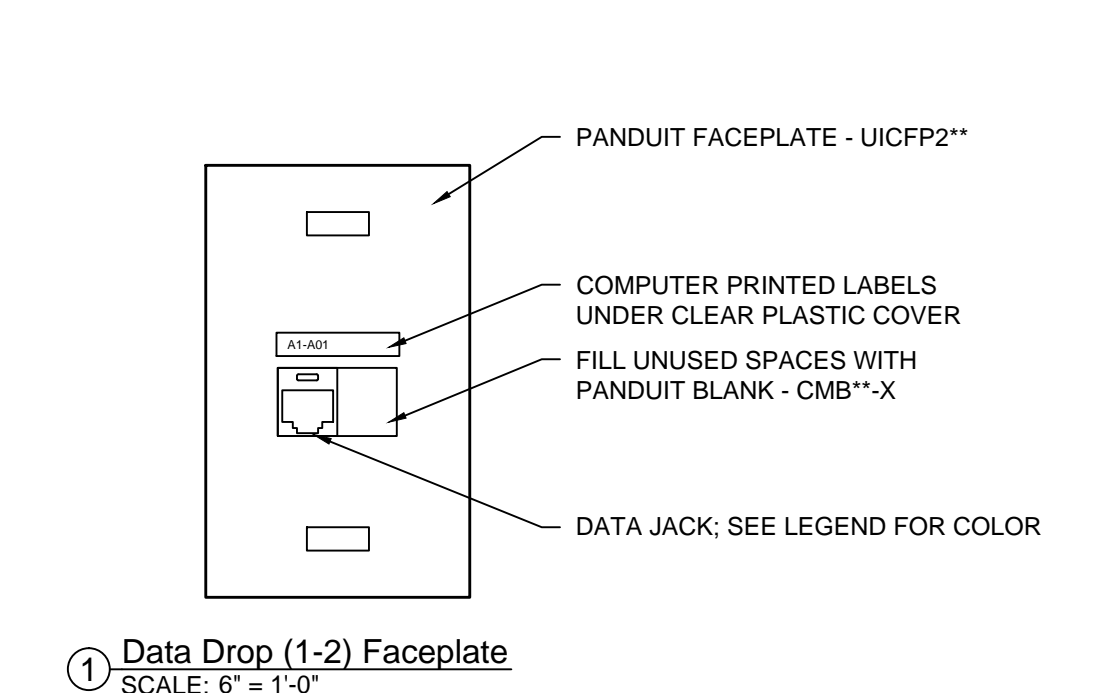
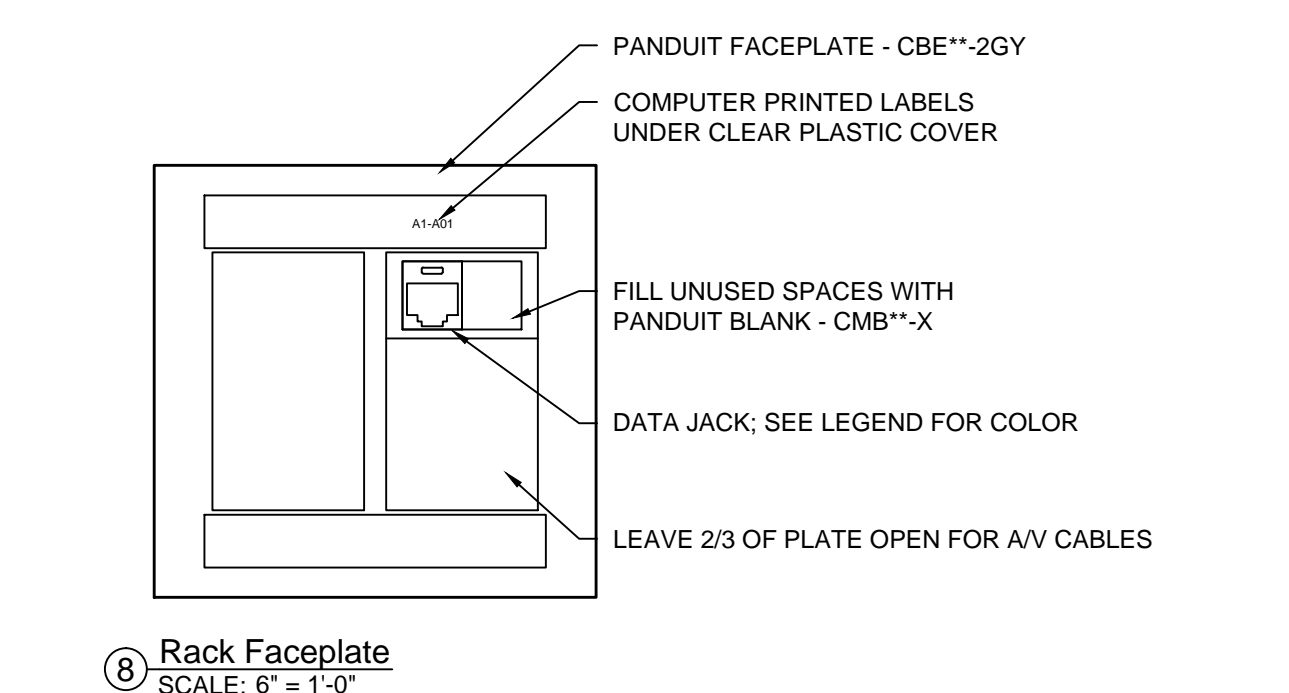
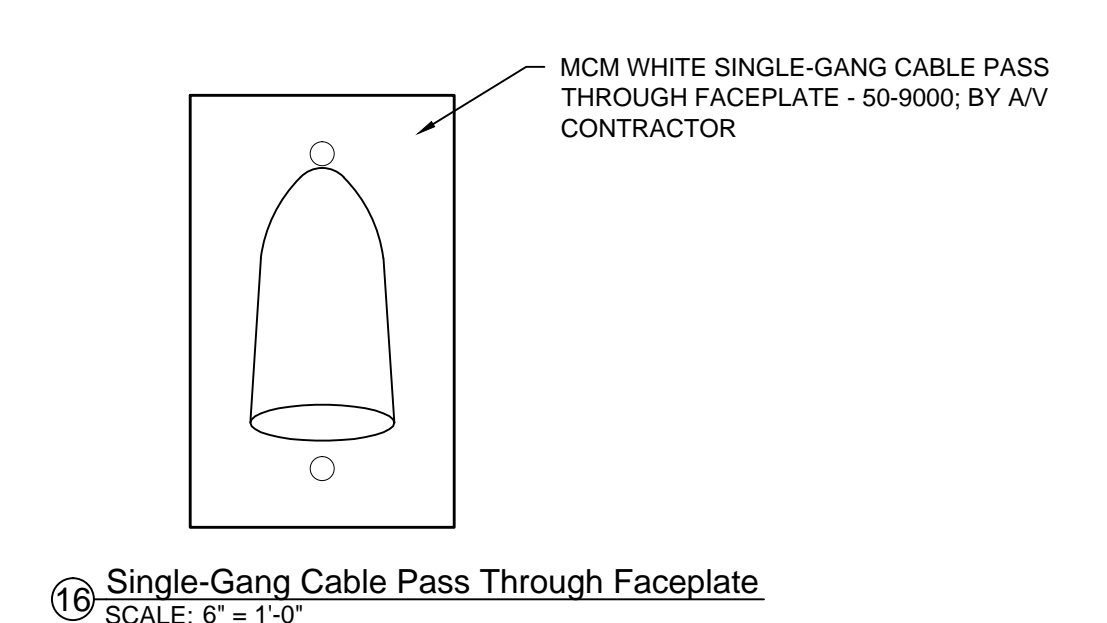
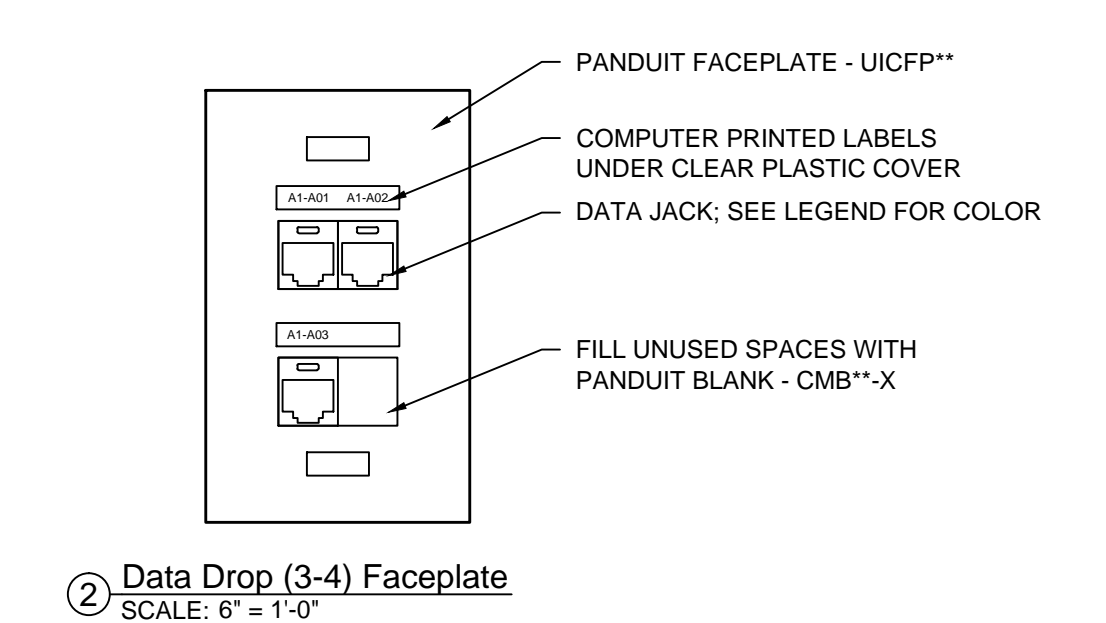
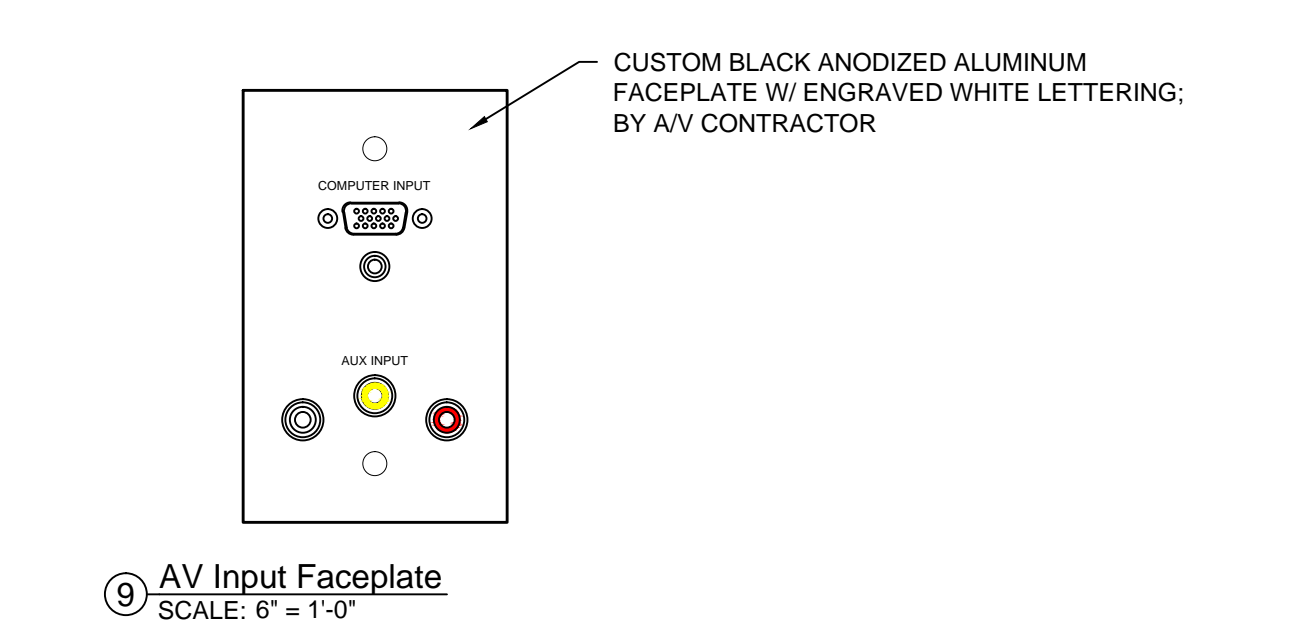
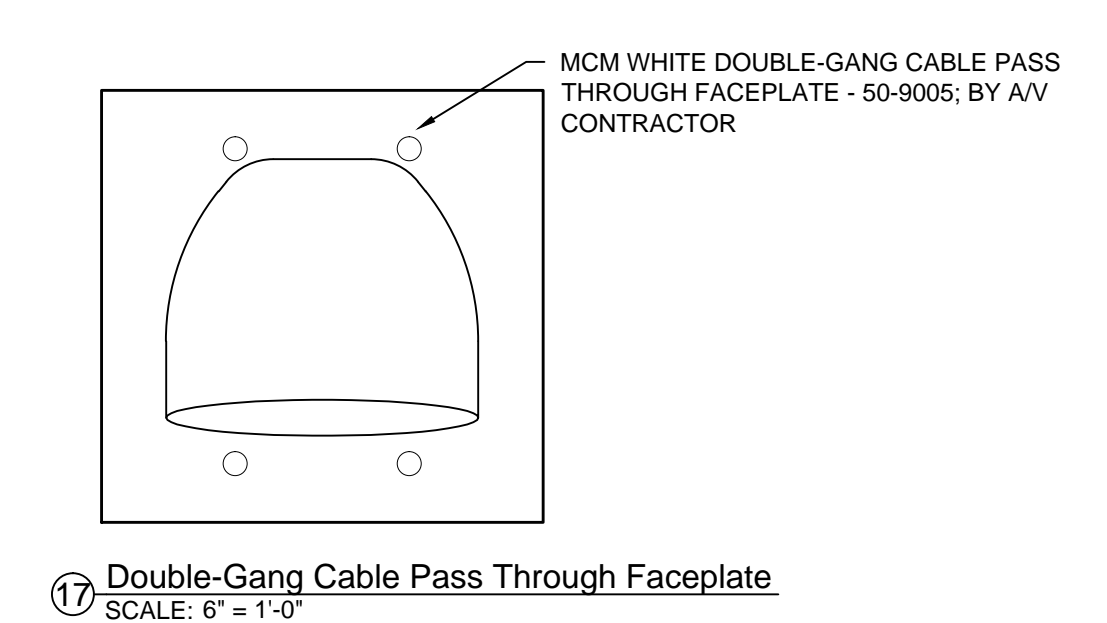
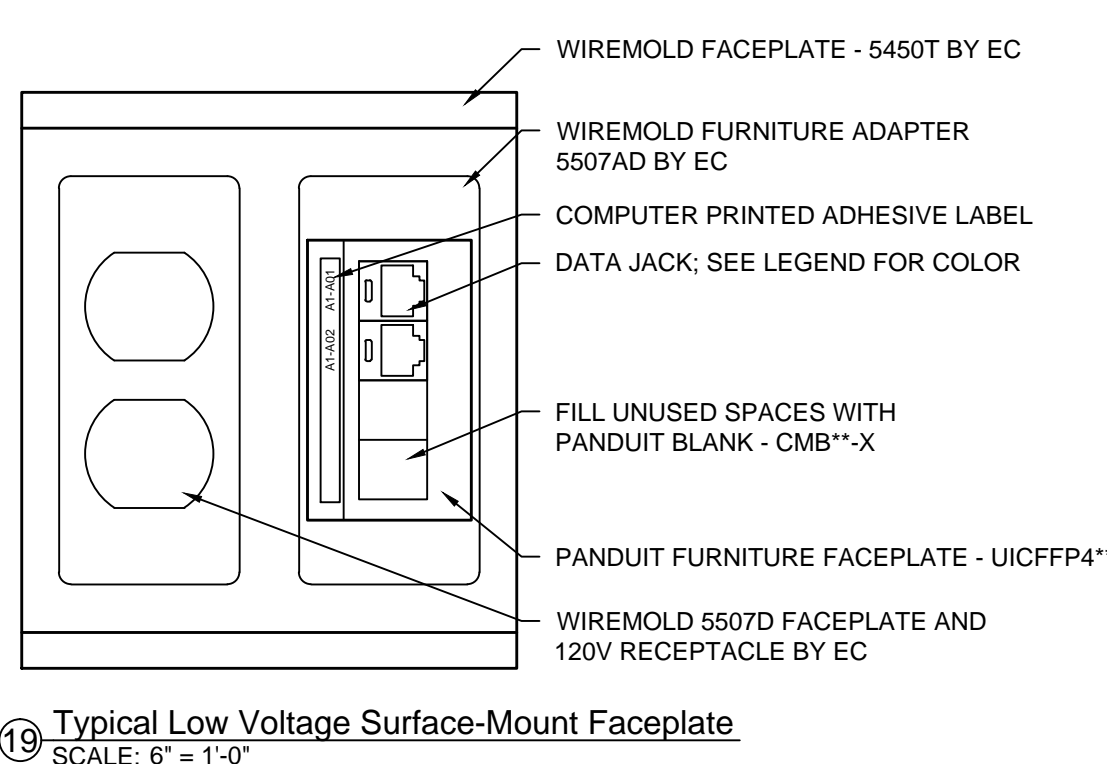
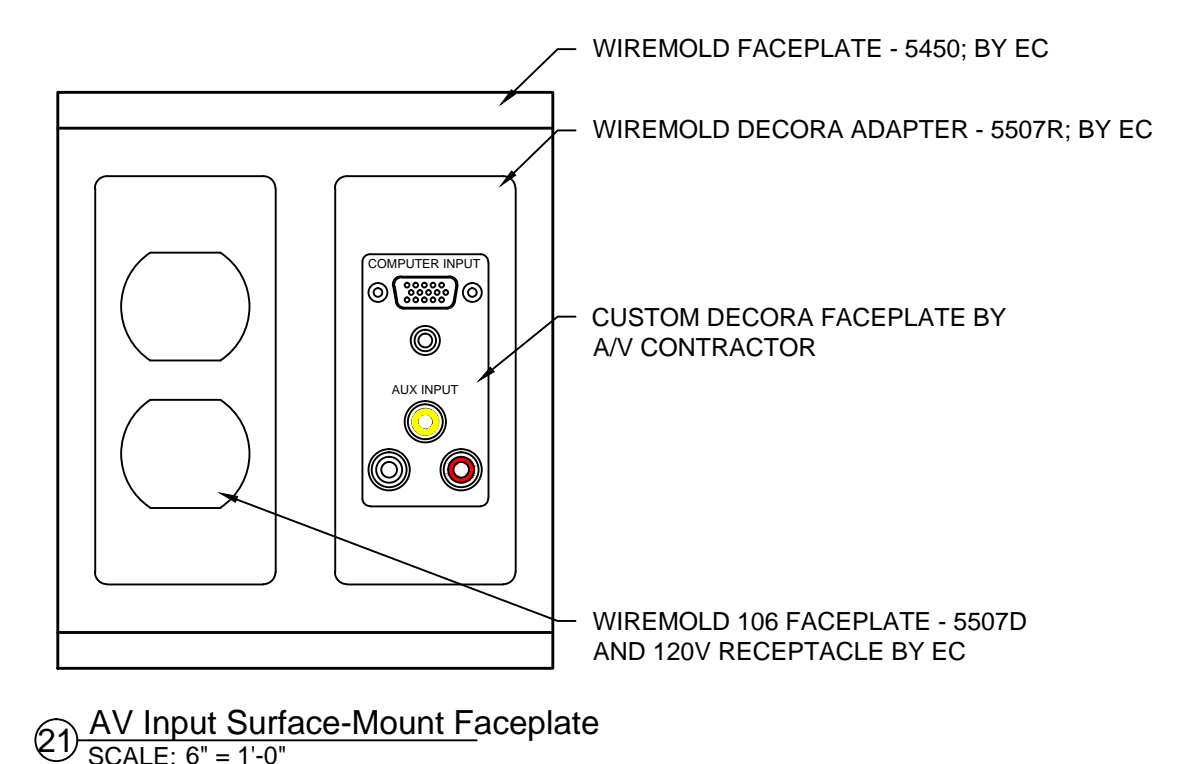
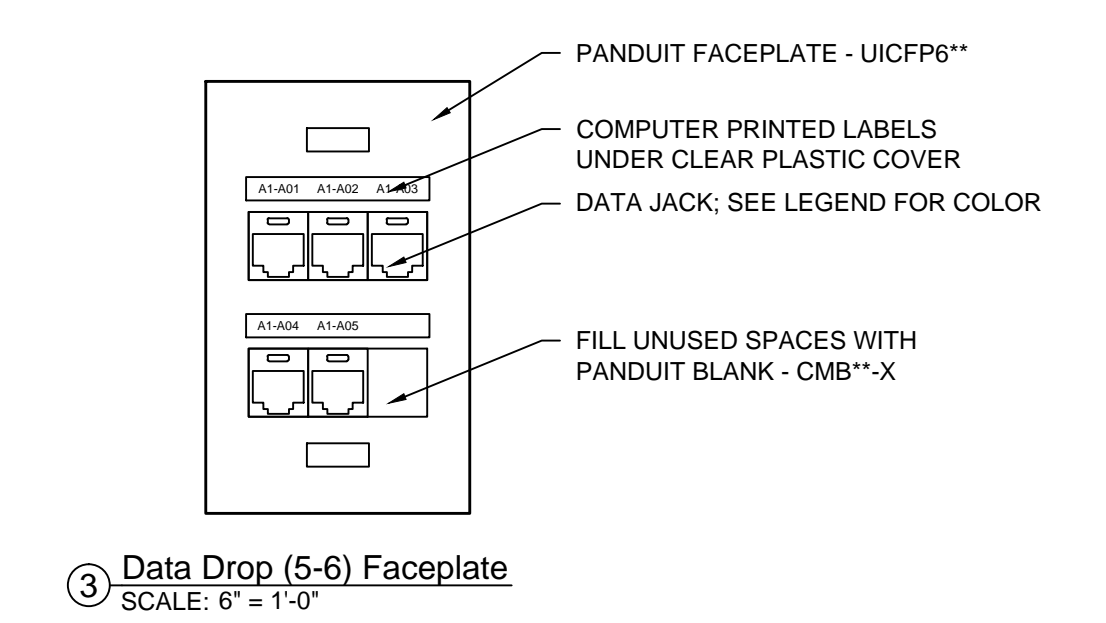
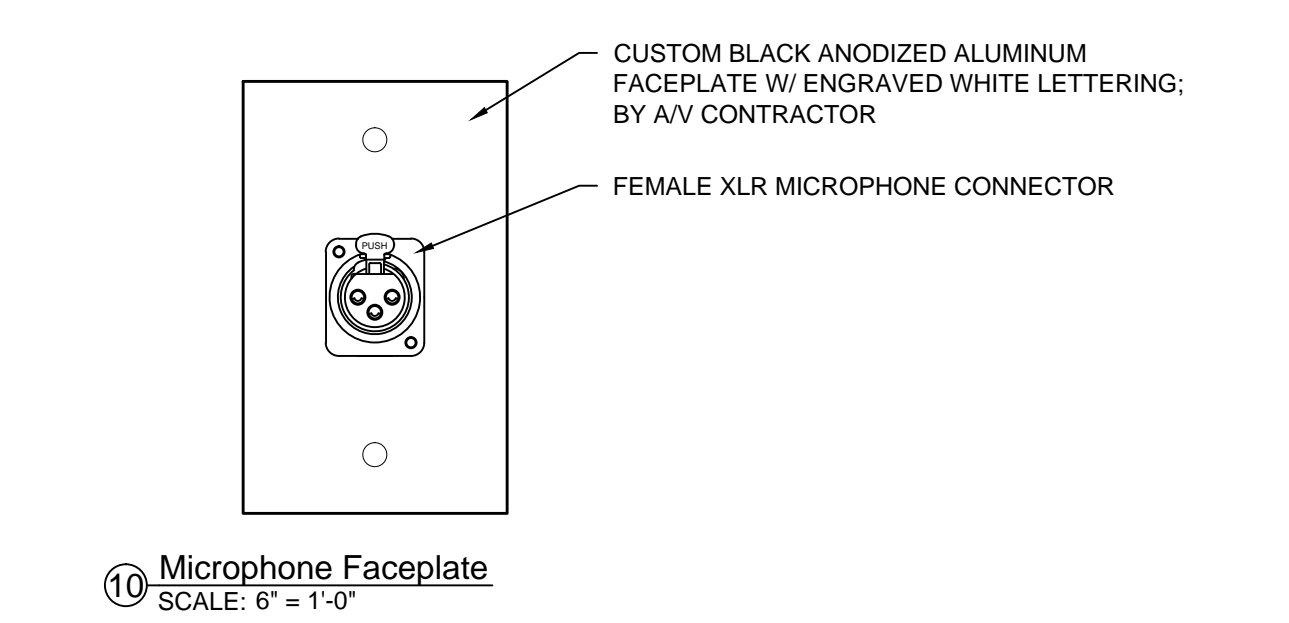
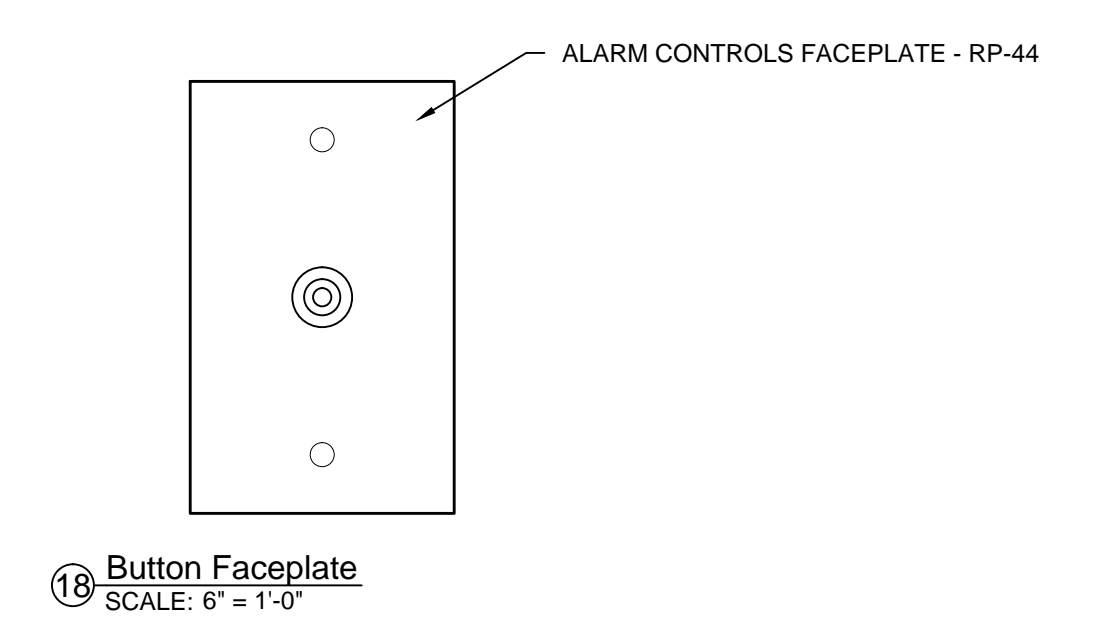
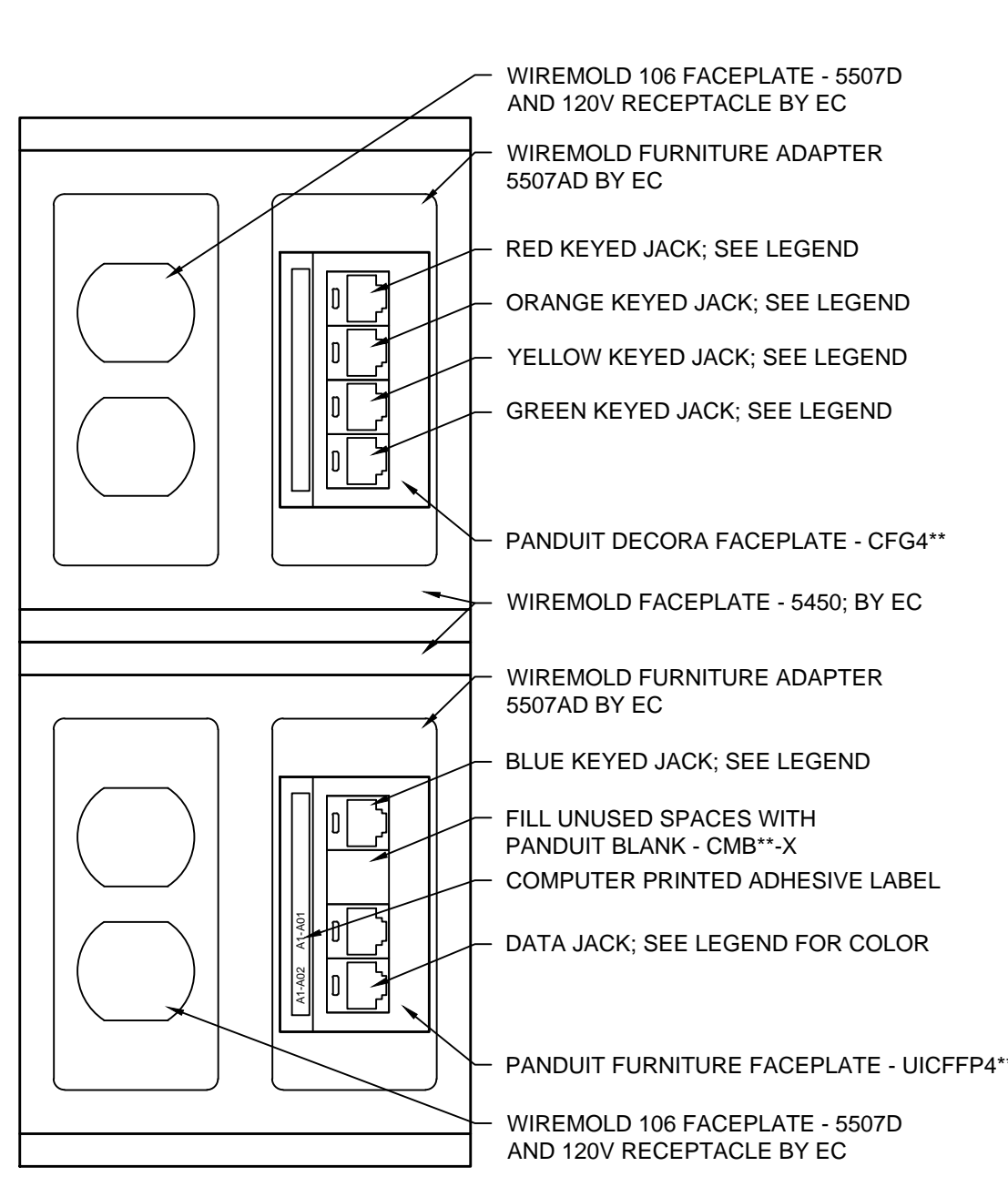


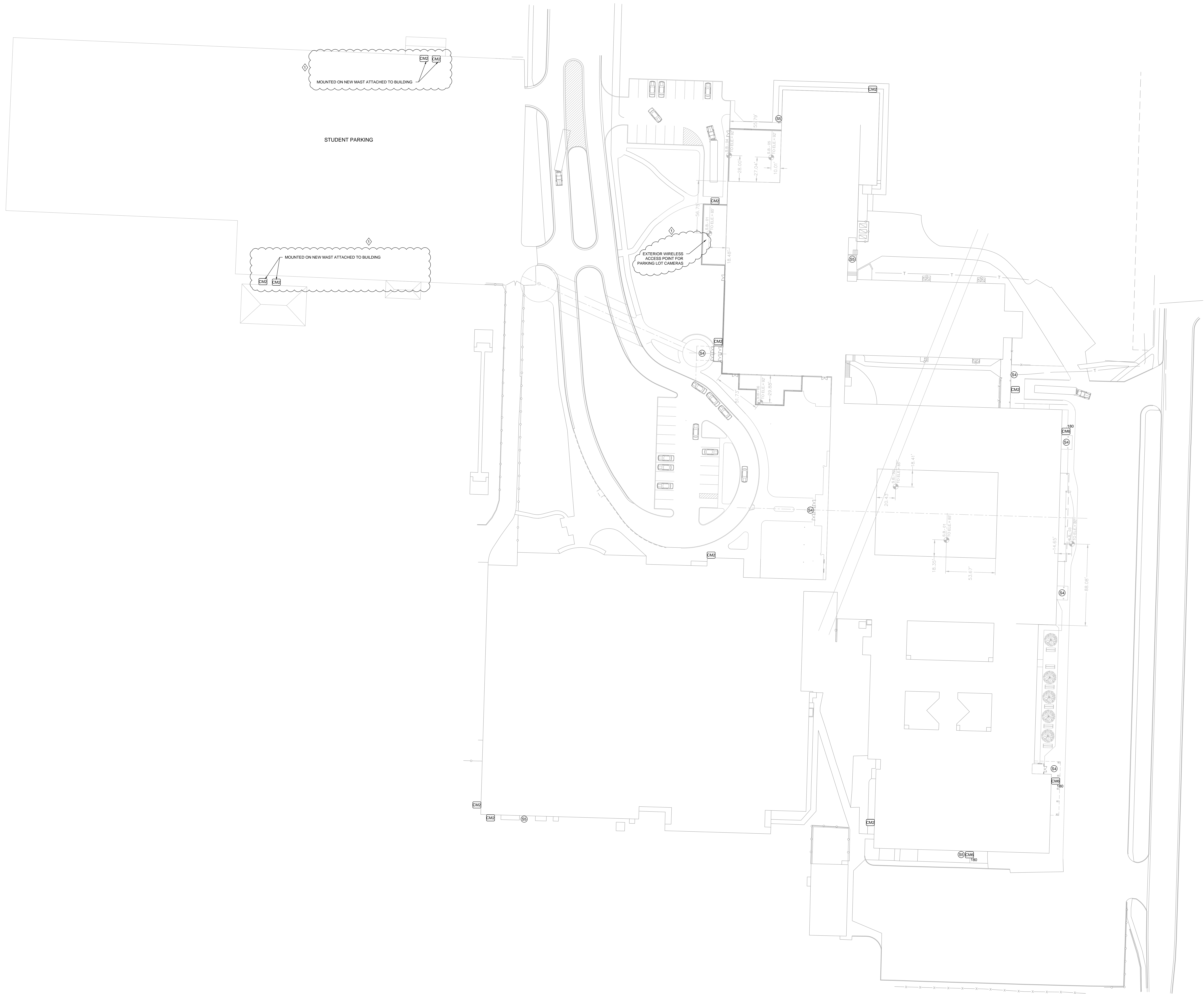
GENERAL NOTES:
 1. FOR ALL ALPHABETIC IDENTIFIERS THE LETTERS 'O' AND 'I' ARE NOT USED, TO PREVENT POSSIBLE CONFUSION WITH THE NUMBERS ZERO AND ONE.
 2. ALL DEDICATED DROPS ARE TO BE TERMINATED IN TECH CLOSETS ON 110 PUNCH-DOWN BLOCKS MOUNTED ON BACKBOARD

KEYED NOTES:
 1) FOR DROPS INSTALLED ABOVE ACCESSIBLE CEILING, PROVIDE MAINTENANCE LOOP AS INDICATED ON TECHNOLOGY SYMBOL LEGEND. CABLE SHALL BE NEATLY COILED IN AN 'S' LOOP AND SECURED TO BUILDING STRUCTURE AT DROP LOCATION FOR EASY RELOCATION.
 2) 48 PORT PATCH NUMBERING ORDER IS DESIGNED TO MATCH PORT NUMBERING ORDER OF CISCO 48 PORT NETWORK SWITCHES.



DATA JACK LEGEND					
COLOR	PURPOSE	MANUFACTURER	CAT5E PART#	CAT6 PART#	
RED	COPPER BACKBONE	PANDUIT	CJ5E88TGDR	CJ688TGDR	
ORANGE	RESERVED	PANDUIT	CJ5E88TGOR	CJ688TGOR	
YELLOW	WIRELESS ACCESS POINTS	PANDUIT	CJ5E88TGYL	CJ688TGYL	
GREEN	FACILITIES	PANDUIT	CJ5E88TGOR	CJ688TGOR	
BLUE	SPECIAL NETWORK	PANDUIT	CJ5E88TGBU	CJ688TGBU	
VIOLET	SURVEILLANCE CAMERAS	PANDUIT	CJ5E88TGVL	CJ688TGVL	
BLACK	RESERVED	PANDUIT	CJ5E88TGBL	CJ688TGBL	
GREY	POTS LINES	PANDUIT	CJ5E88TGIG	CJ688TGIG	
IVORY, WHITE, OR OFF-WHITE	GENERAL DATA	PANDUIT	CJ5E88TGEI	CJ688TGEI	
KEYED RED	AUDIO / VIDEO SYSTEM	PANDUIT	CJK688TGDR	CJK688TGDR	
KEYED ORANGE	AUDIO / VIDEO SYSTEM	PANDUIT	CJK688TGOR	CJK688TGOR	
KEYED YELLOW	AUDIO / VIDEO SYSTEM	PANDUIT	CJK688TGYL	CJK688TGYL	
KEYED GREEN	AUDIO / VIDEO SYSTEM	PANDUIT	CJK688TGOR	CJK688TGOR	
KEYED BLUE	AUDIO / VIDEO SYSTEM	PANDUIT	CJK688TGBU	CJK688TGBU	
KEYED BLACK	AUDIO / VIDEO SYSTEM	PANDUIT	CJK688TGBL	CJK688TGBL	

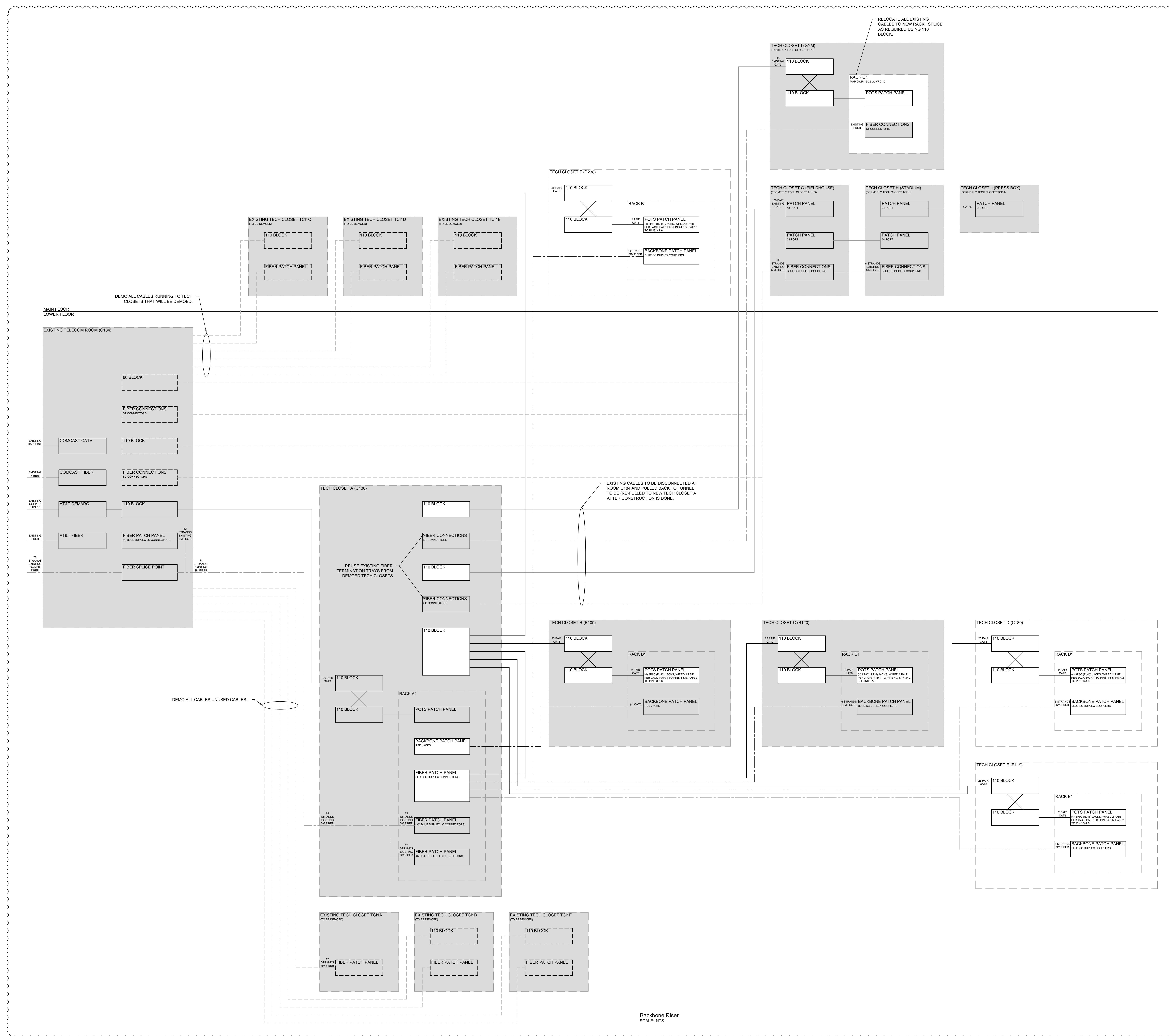




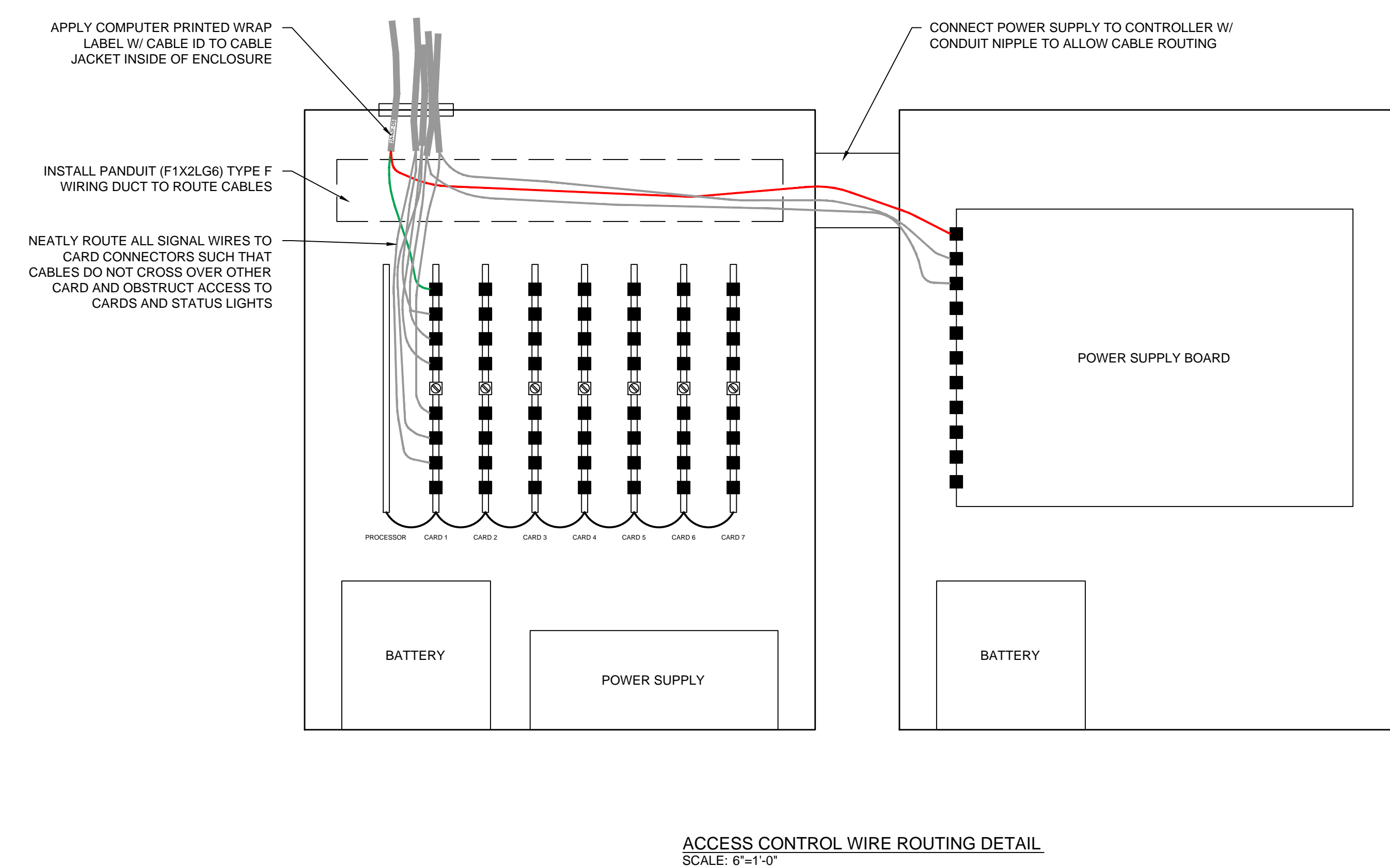
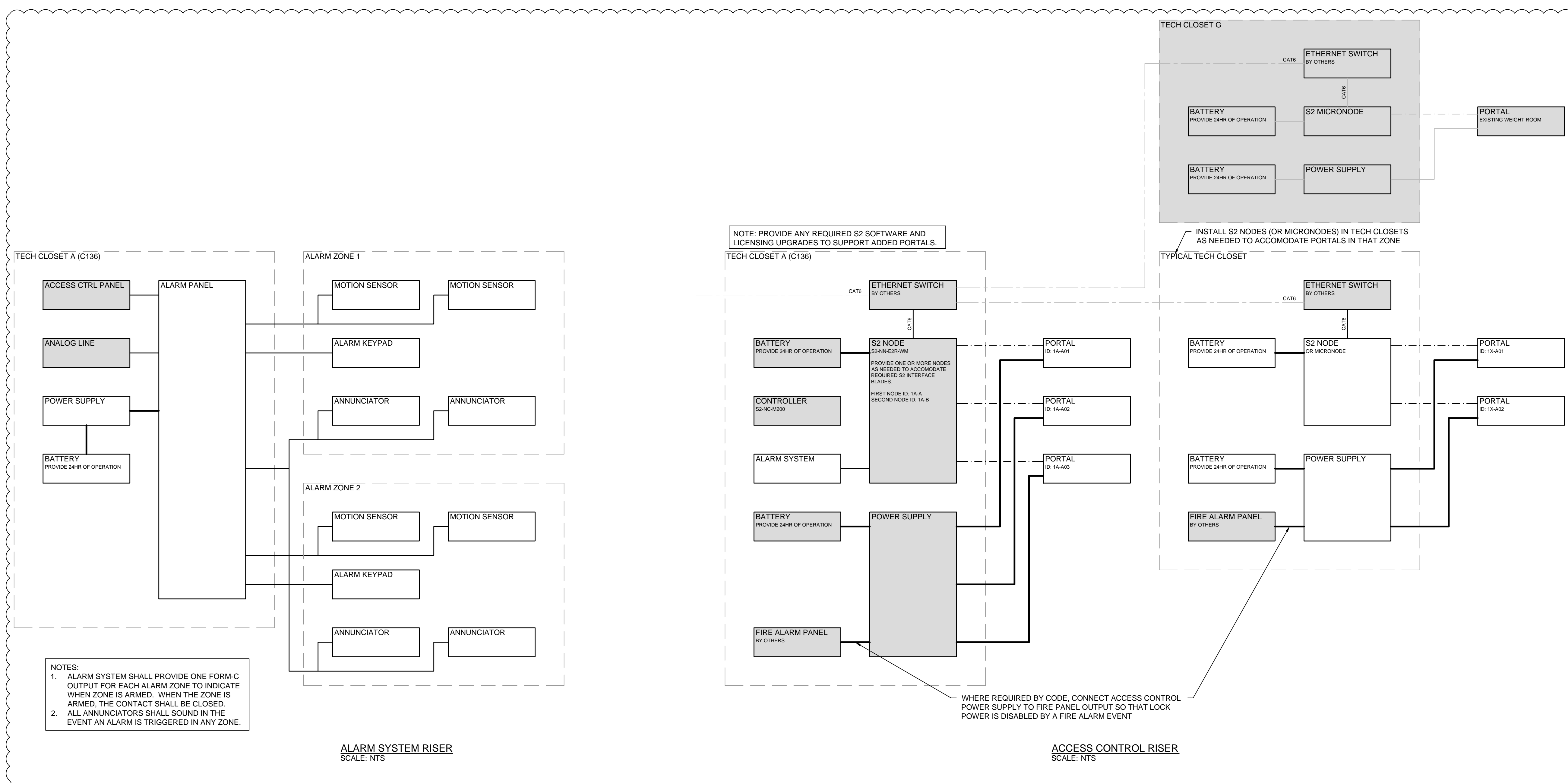
Technology Site Plan
SCALE: 1/32" = 1'-0"

St. Joseph Public Schools
High School Infrastructure
 St. Joseph, Michigan
Technology Site Plan

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Backbone Riser
 SCALE: NTC

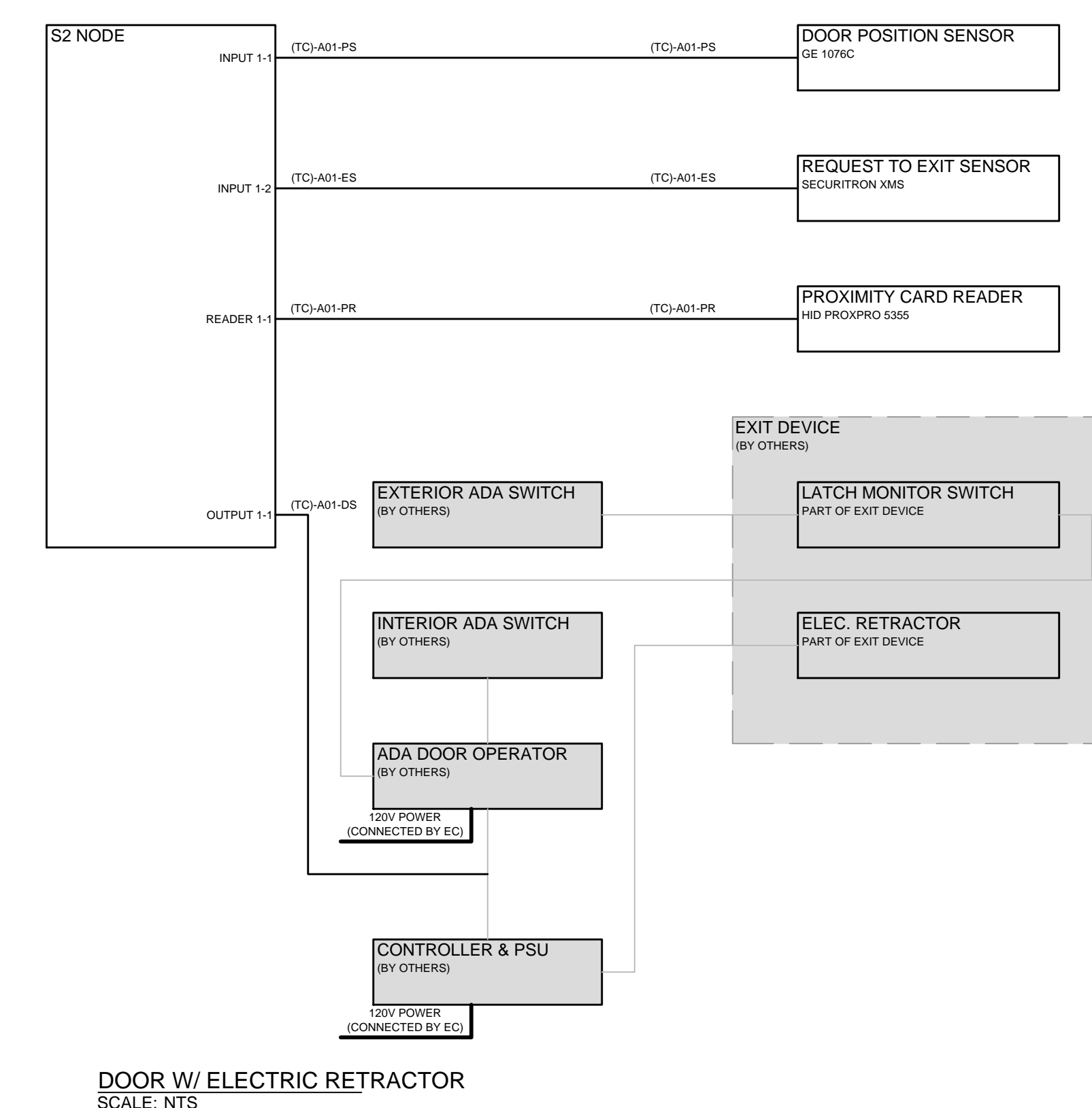
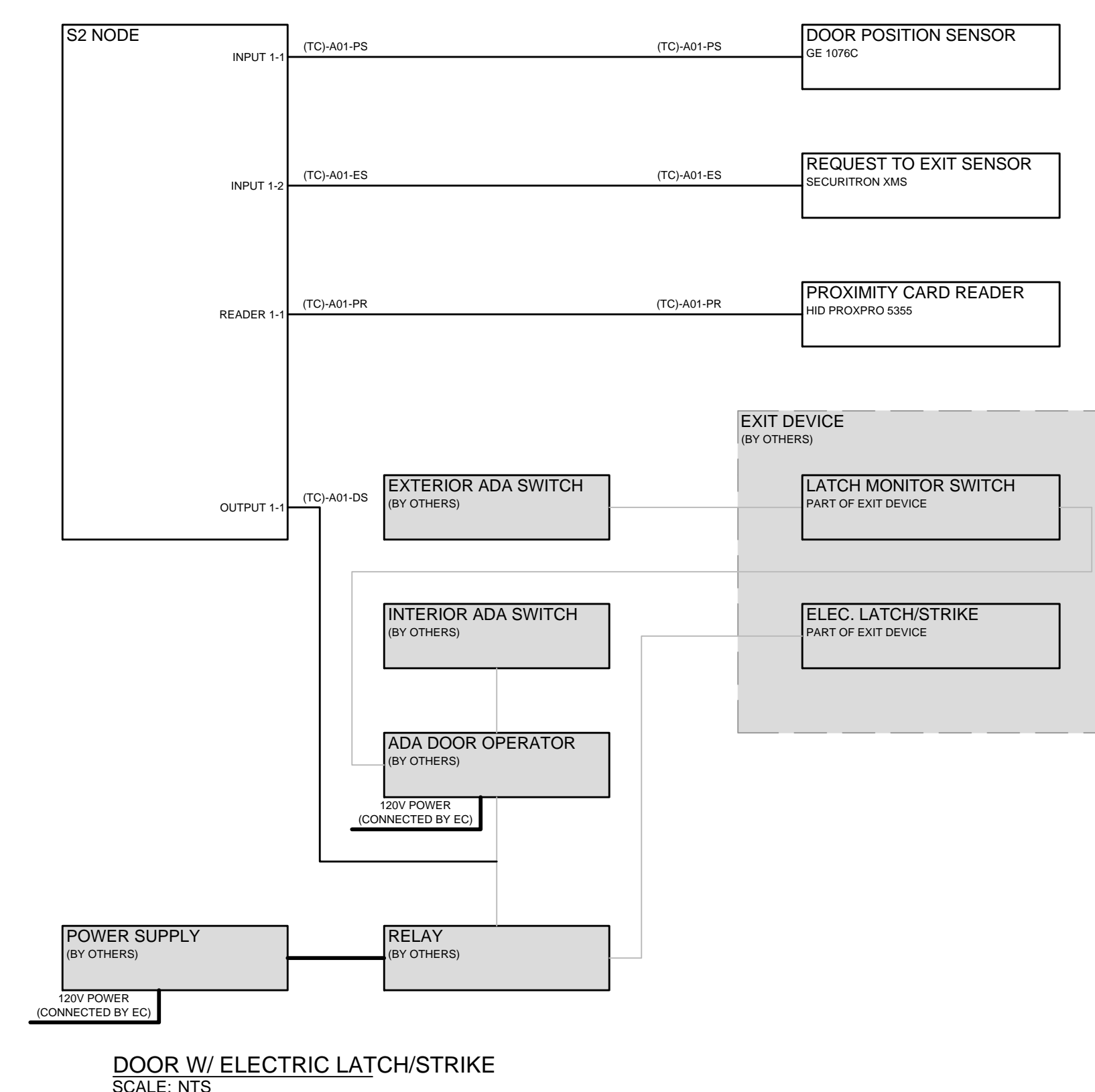
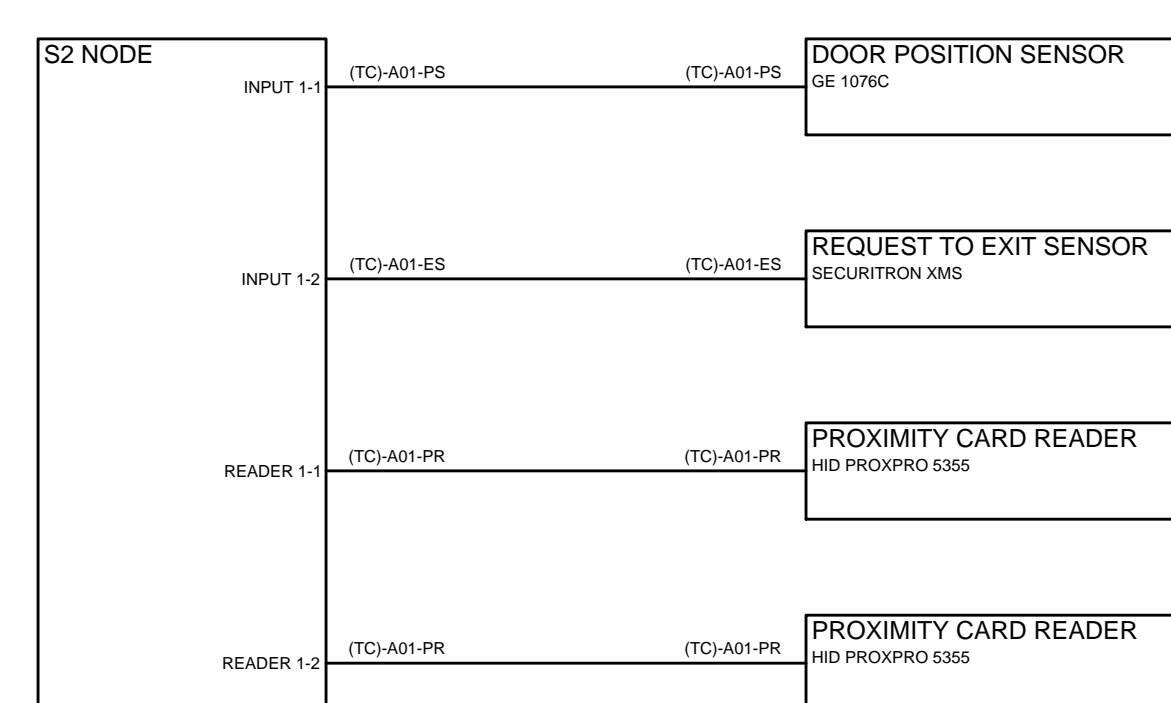
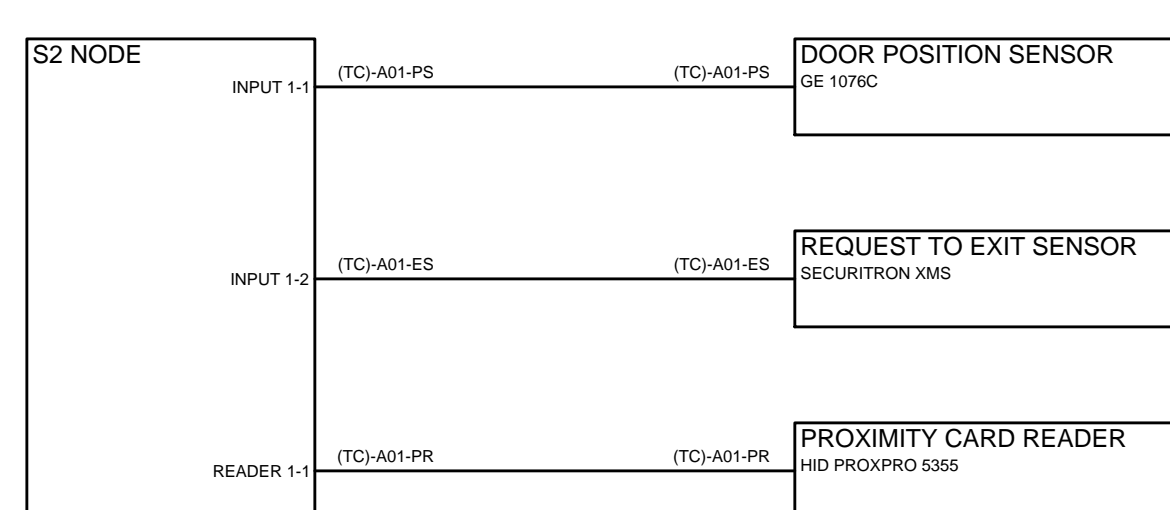


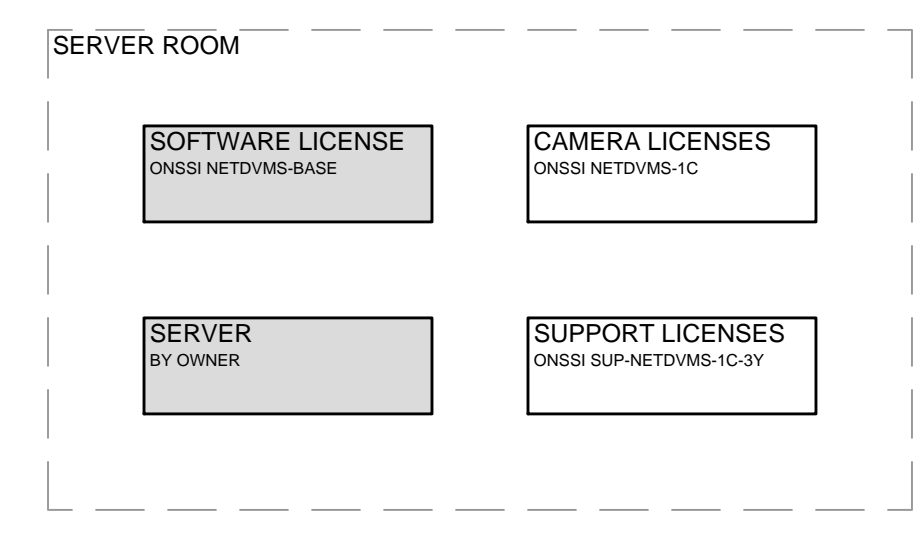
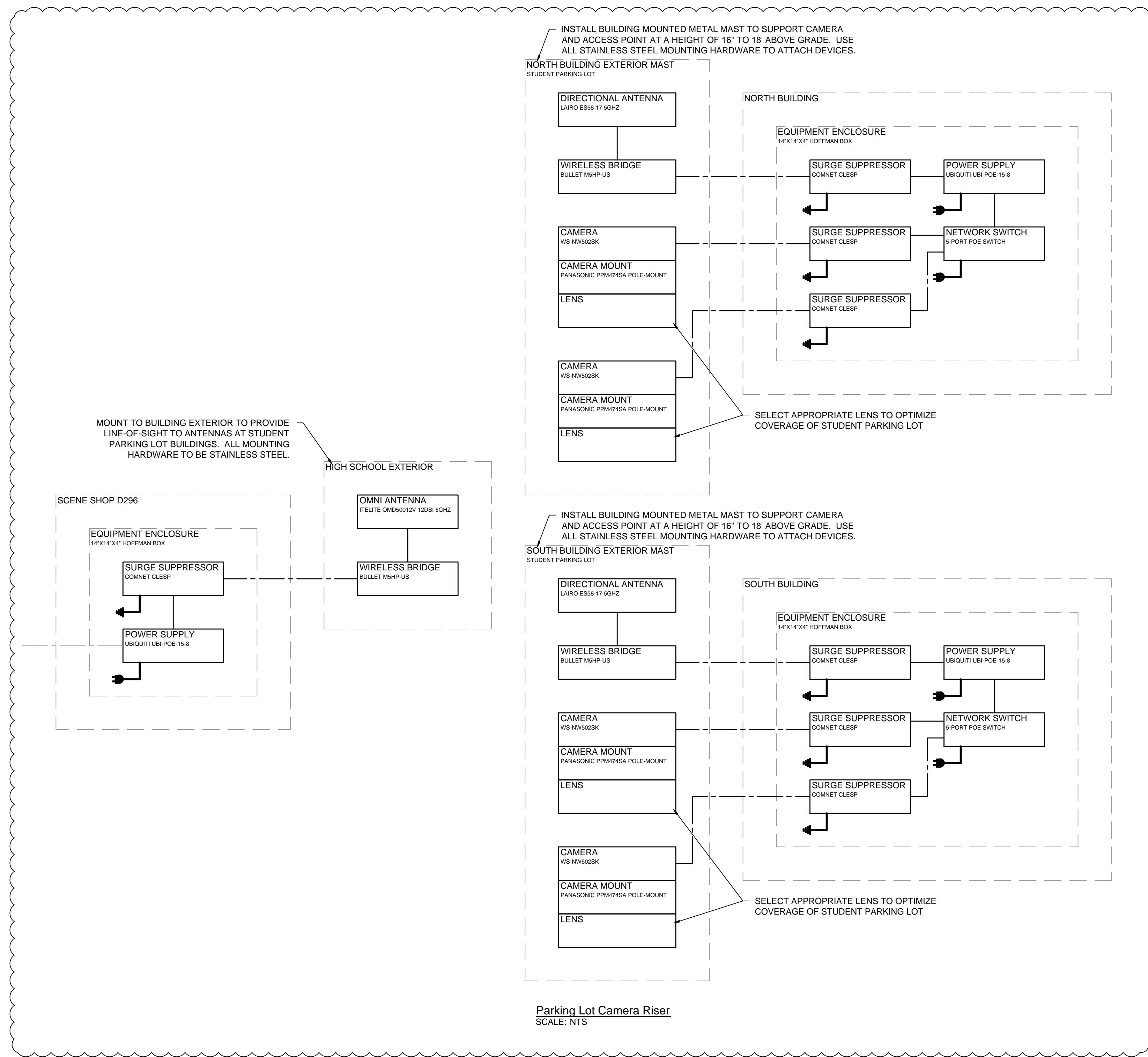
Access Control Cable Types

TYPE	MANUFACTURER	PART #	TYPE	MANUFACTURER	PART #	DESCRIPTION	APPLICATION
1	BELDEN	5500UE	1P	BELDEN	6500UE	22AWG, 2 CONDUCTOR	DOOR POSITION SENSOR
2	BELDEN	5302UE	2P	BELDEN	6302UE	18AWG, 4 CONDUCTOR	REX, PIR MOTION DETECTOR, BREAK-GLASS SENSOR
3	BELDEN	5304FE	3P	BELDEN	6304FE	18AWG, 6 CONDUCTOR SHIELDED	PROXIMITY CARD READER
4	BELDEN	5300UE	4P	BELDEN	6300UE	18AWG, 2 CONDUCTOR	LOCK POWER, ALARM SOUNDER
5	BELDEN	5502FE	6P	BELDEN	6502FE	22AWG, 4 CONDUCTOR SHIELDED	ALARM LCD PANEL
6	BELDEN	5541FE	6P	BELDEN	6441FE	20AWG, 2-PAIR CONDUCTOR SHIELDED	RS-485
7			7P			CATEGORY 5E, 4-PAIR CONDUCTOR	ETHERNET DATA

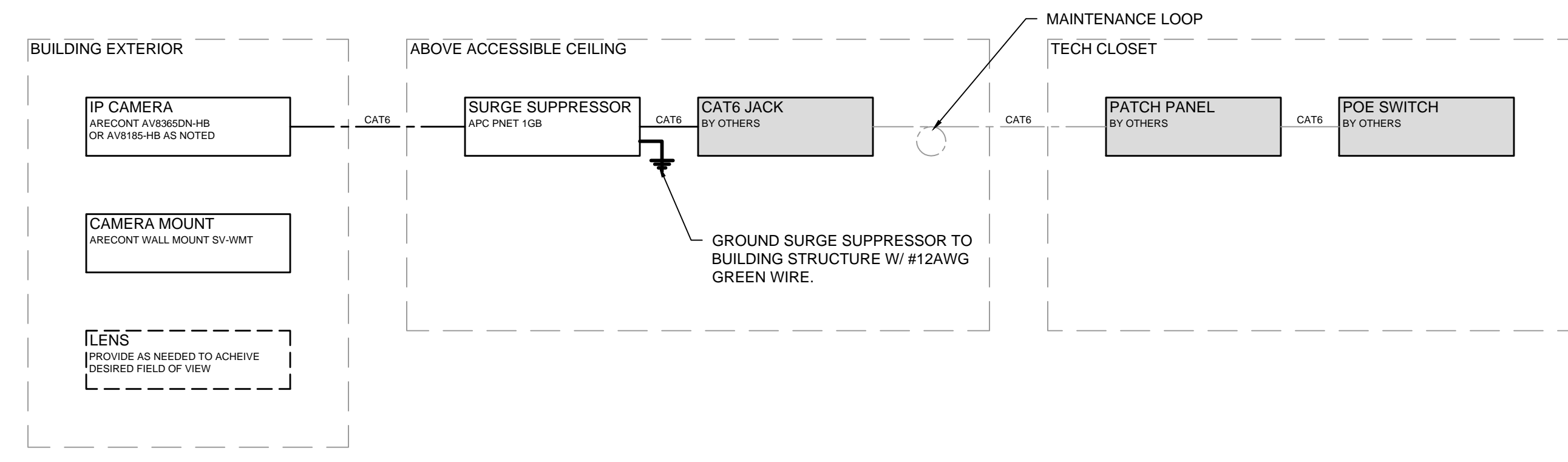
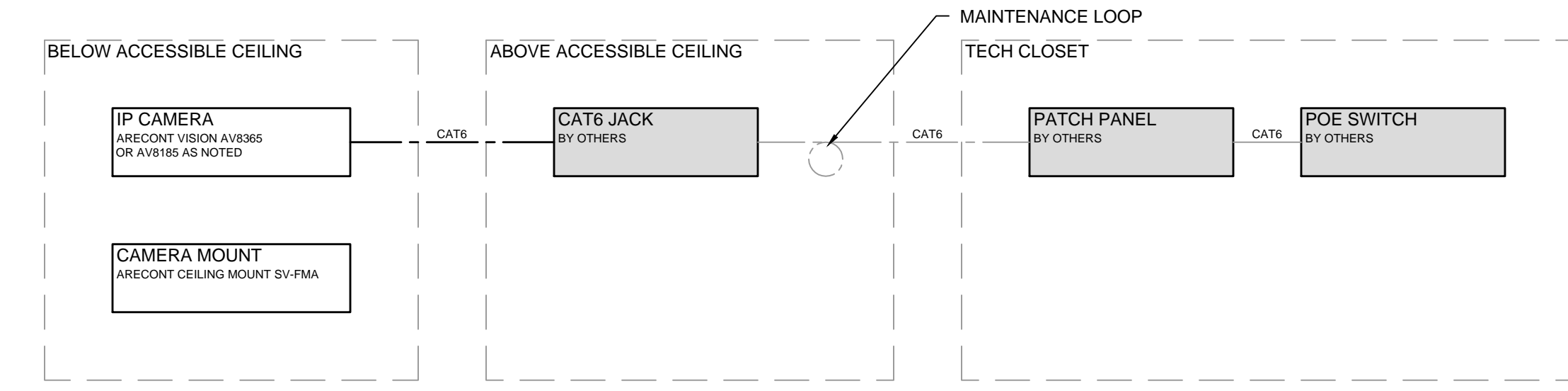
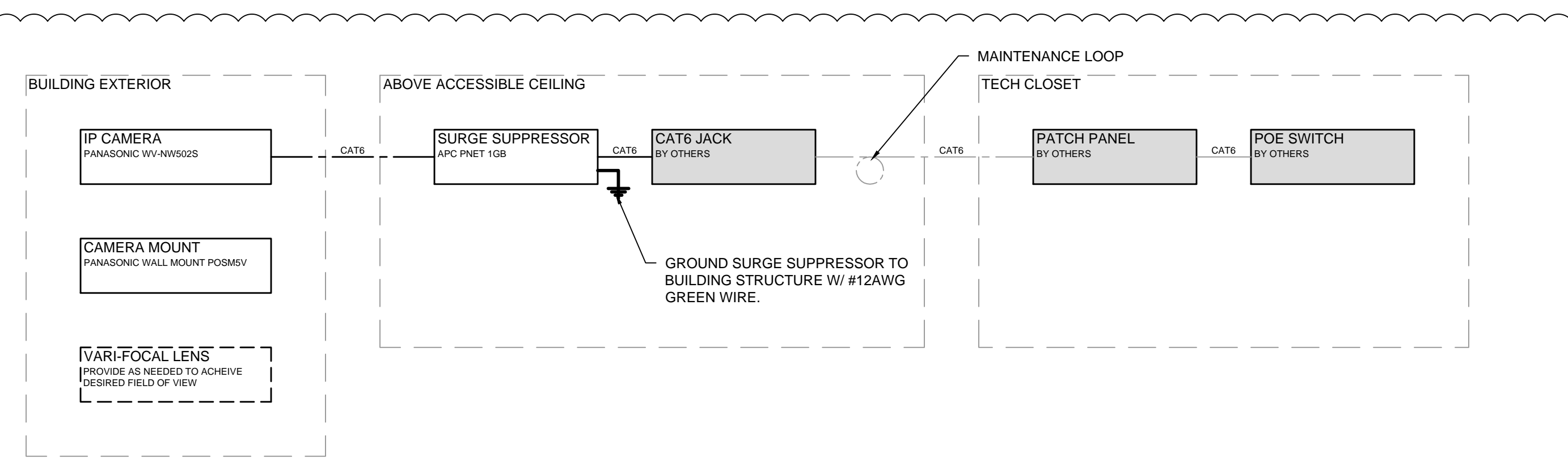
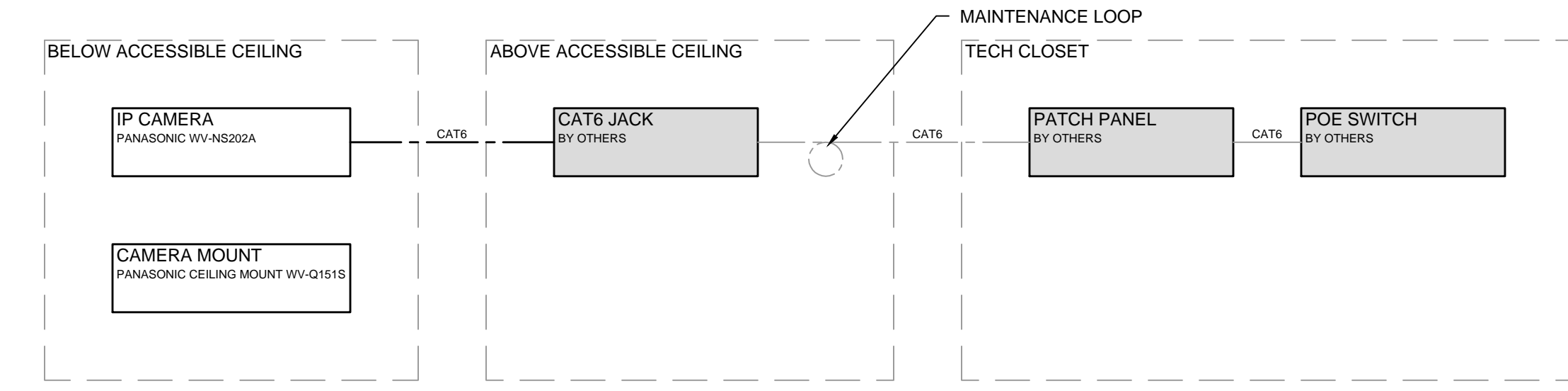
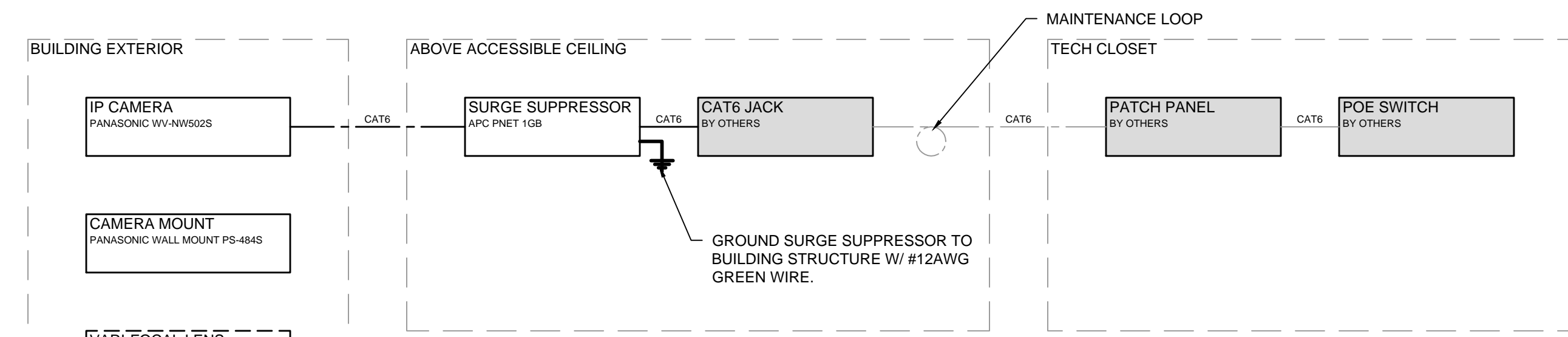
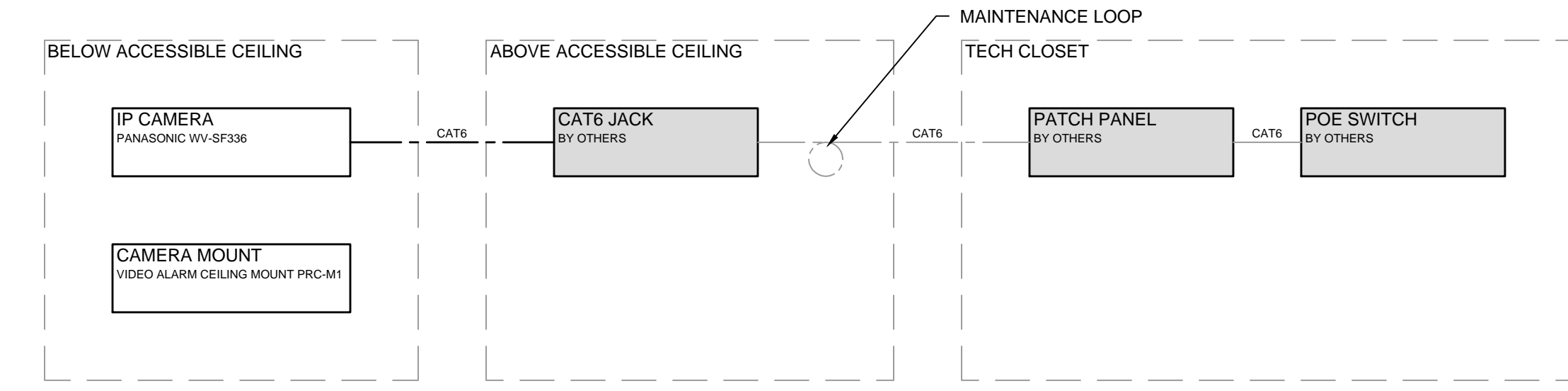
NOTES:
 COORDINATE ALL INTERCONNECTIONS OF DOOR STRIKES, RETRACTORS, AUTOMATIC DOOR OPERATORS AND ADA OPERATORS W/ ELECTRICAL CONTRACTOR AND DOOR CONTRACTOR.
 APPLY WRAP LABELS TO EACH END OF ALL CABLES. CABLE ID SHALL BE INDICATED USING THE APPROPRIATE TECH CLOSET ID AND PORTAL ID AS CABLE NAME PREFIX.

NOTES:
 ALL EQUIPMENT FOR THE ADA OPERATOR ARE SUPPLIED AND INSTALLED BY THE DHC (DOOR HARDWARE CONTRACTOR) UNLESS OTHERWISE NOTED.
 THE EXTERIOR ADA SWITCH IS WIRED IN PARALLEL WITH THE LATCH MONITOR SWITCH IN THE EXIT DEVICE. THIS PREVENTS THE EXTERIOR ADA SWITCH FROM ATTEMPTING TO OPEN THE DOOR WHILE IT IS LOCKED, BUT ALLOWS THE SWITCH TO FUNCTION NORMALLY WHEN THE LATCH IS RETRACTED (WHETHER BY THE SOLENOID OR BY BEING MANUALLY DOGGED DOWN).
 THE INTERIOR ADA SWITCH IS WIRED DIRECTLY TO THE DOOR OPERATOR, AND PROGRAMMED TO ACTIVATE THE SOLENOID IN THE ELECTRIC RETRACTOR, UNLOCKING THE DOOR BEFORE OPENING IT. THIS ALLOWS EXIT FROM THE BUILDING EVEN WHEN THE DOOR IS LOCKED.

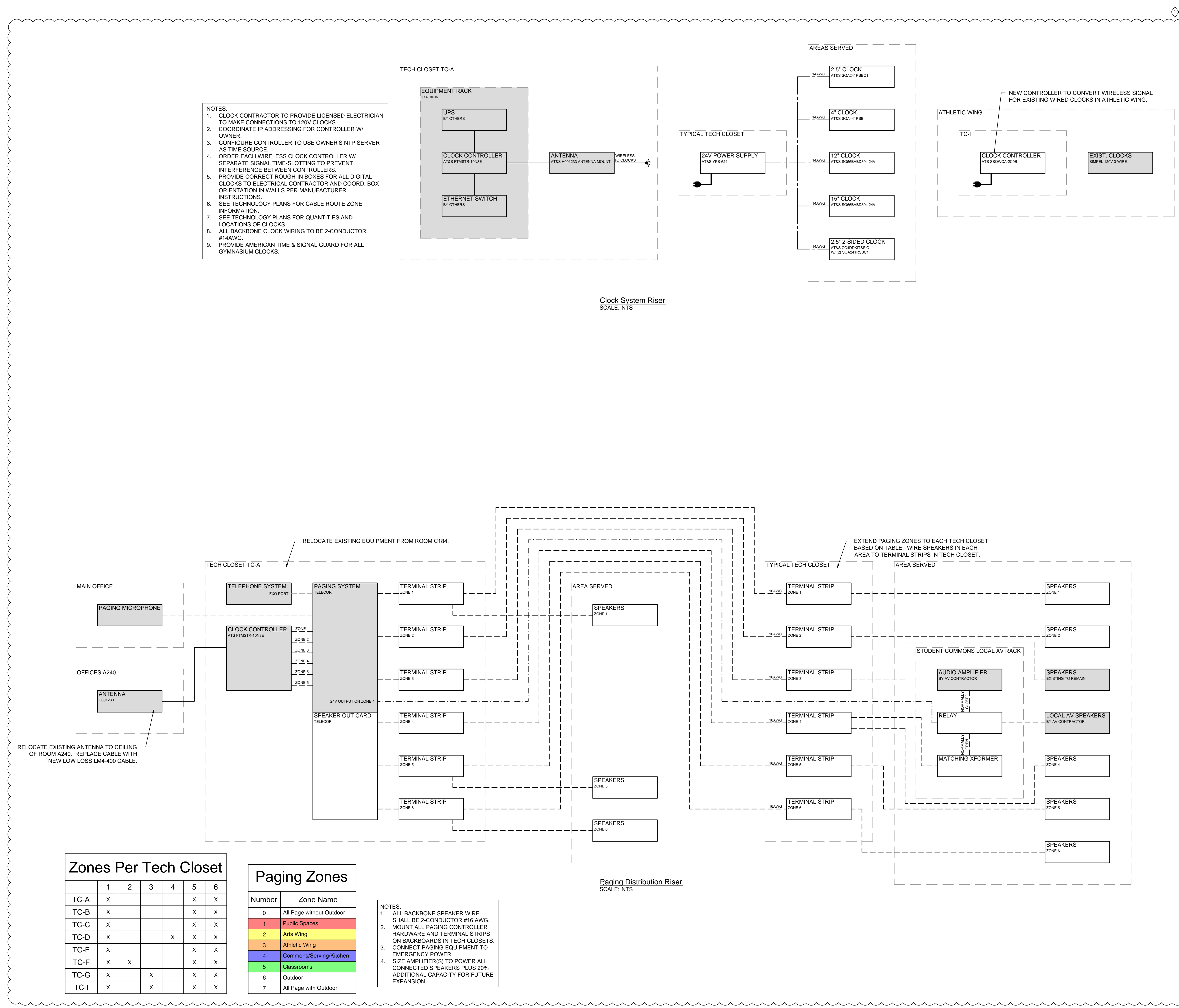


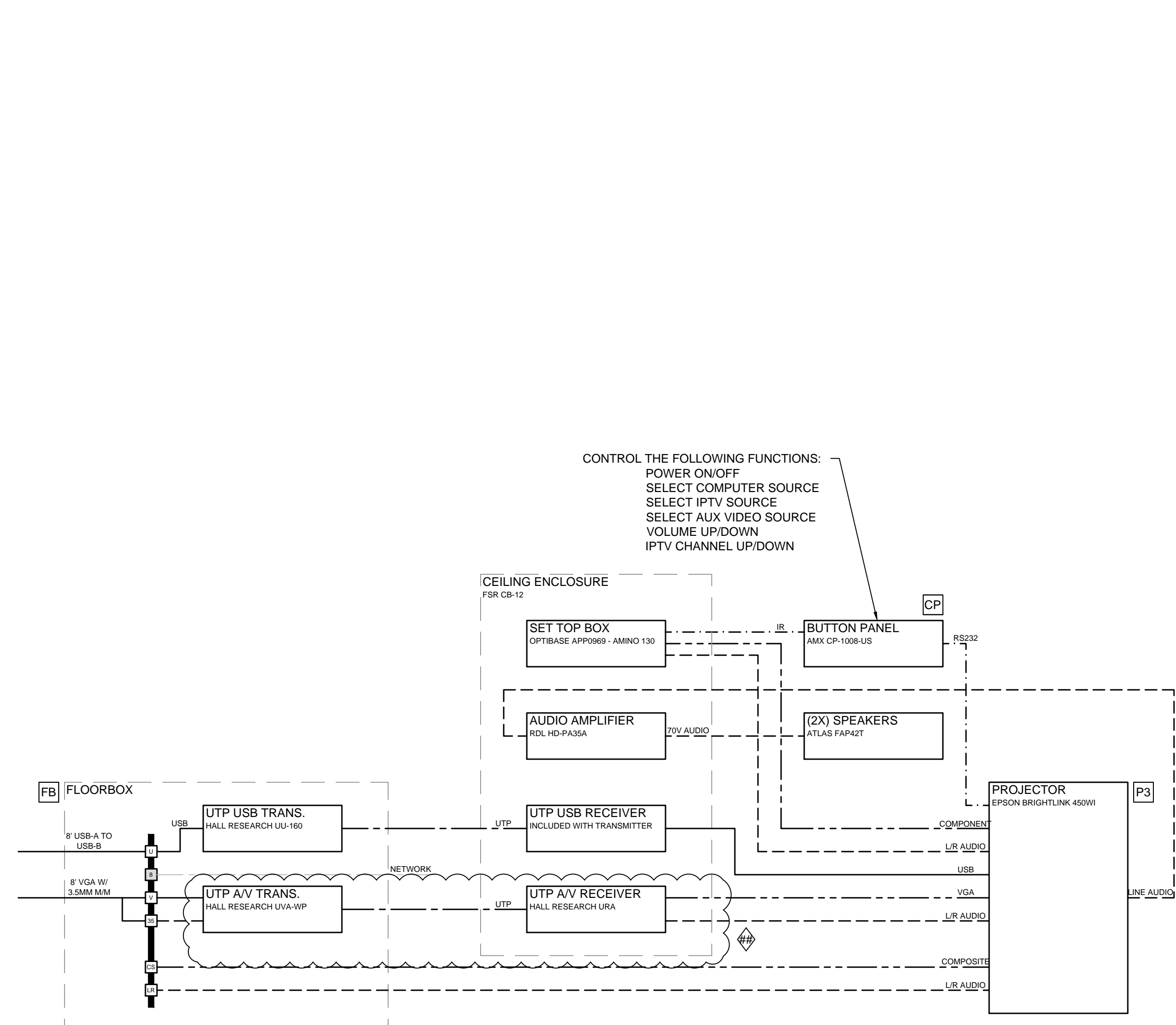


- CAMERA NOTES**
1. INSTALL AND CONFIGURE NETOVMS CAMERA LICENSING AS INDICATED ON OWNER PROVIDED SERVER. CONFIGURE SOFTWARE PER SPECIFICATION TO SUPPORT ALL IP CAMERAS.
 2. RELOCATE CAMERA DATA DROP AS REQUIRED FOR OPTIMAL CAMERA POSITION. NEATLY COIL AND SECURE ANY REMAINING MAINTENANCE LOOP TO BUILDING STRUCTURE.
 3. SECURE EXTERIOR CAMERAS TO BUILDING AT MINIMUM OF 144" AFF. CAMERA CONTRACTOR IS RESPONSIBLE TO CORE THE EXTERIOR BUILDING WALL TO PROVIDE CABLE PATHWAY FOR CAMERA CABLES. SEAL ALL BUILDING PENETRATIONS WITH REMOVAL WATERPROOF CAULK.
 4. PROVIDE ONE CAMERA LICENSE AND ONE SUPPORT LICENSE FOR EACH CAMERA INSTALLED.

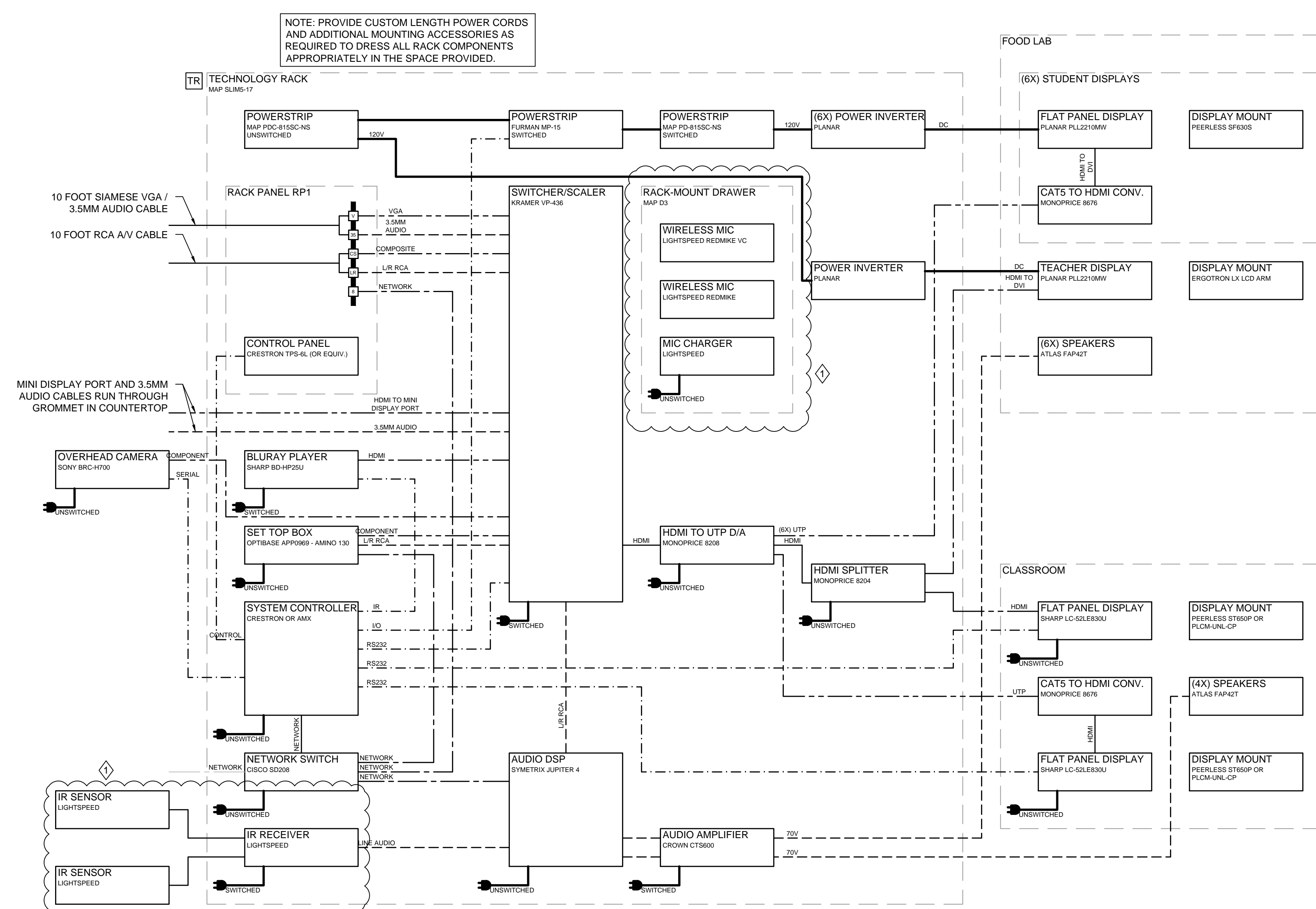


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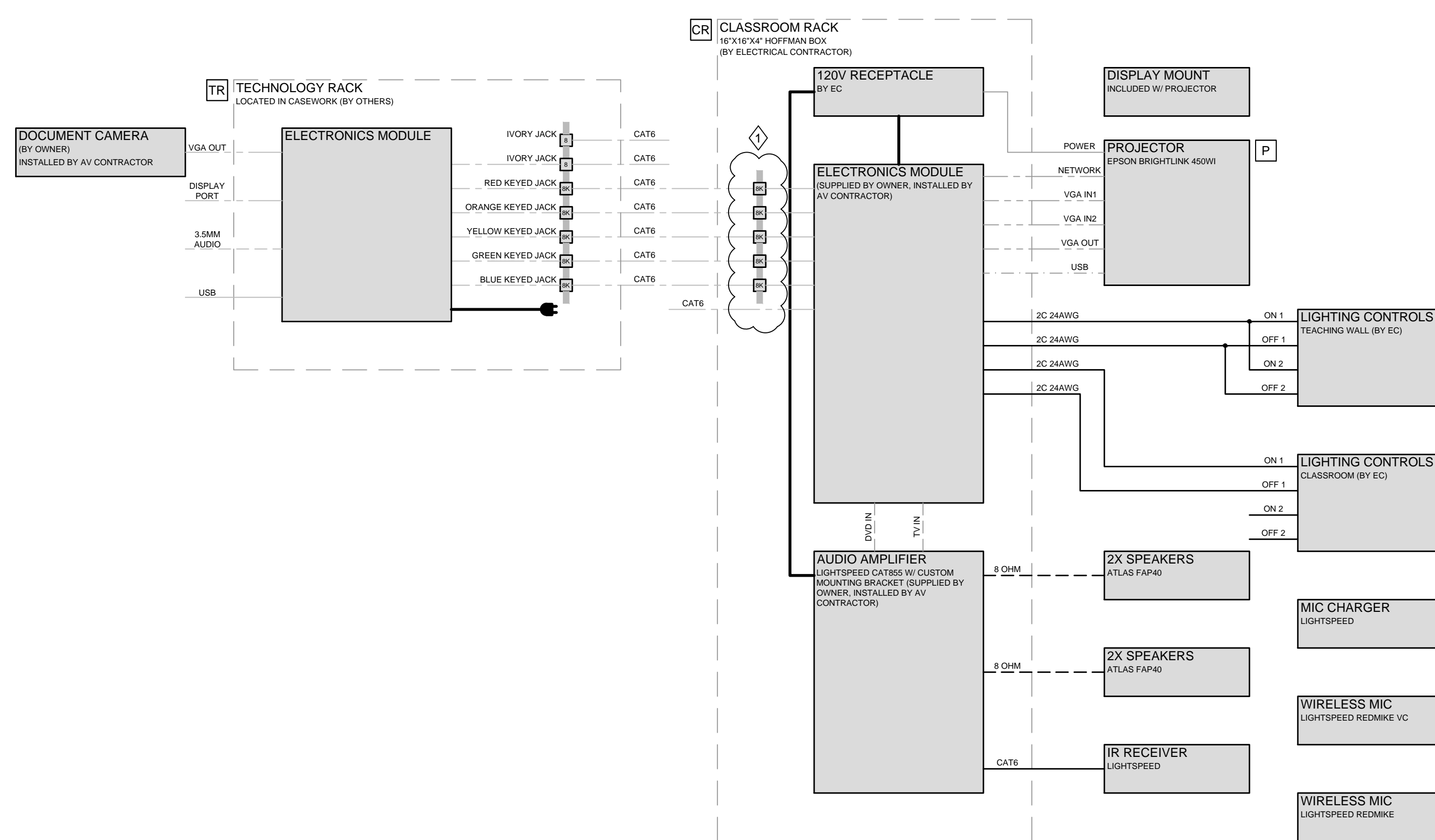




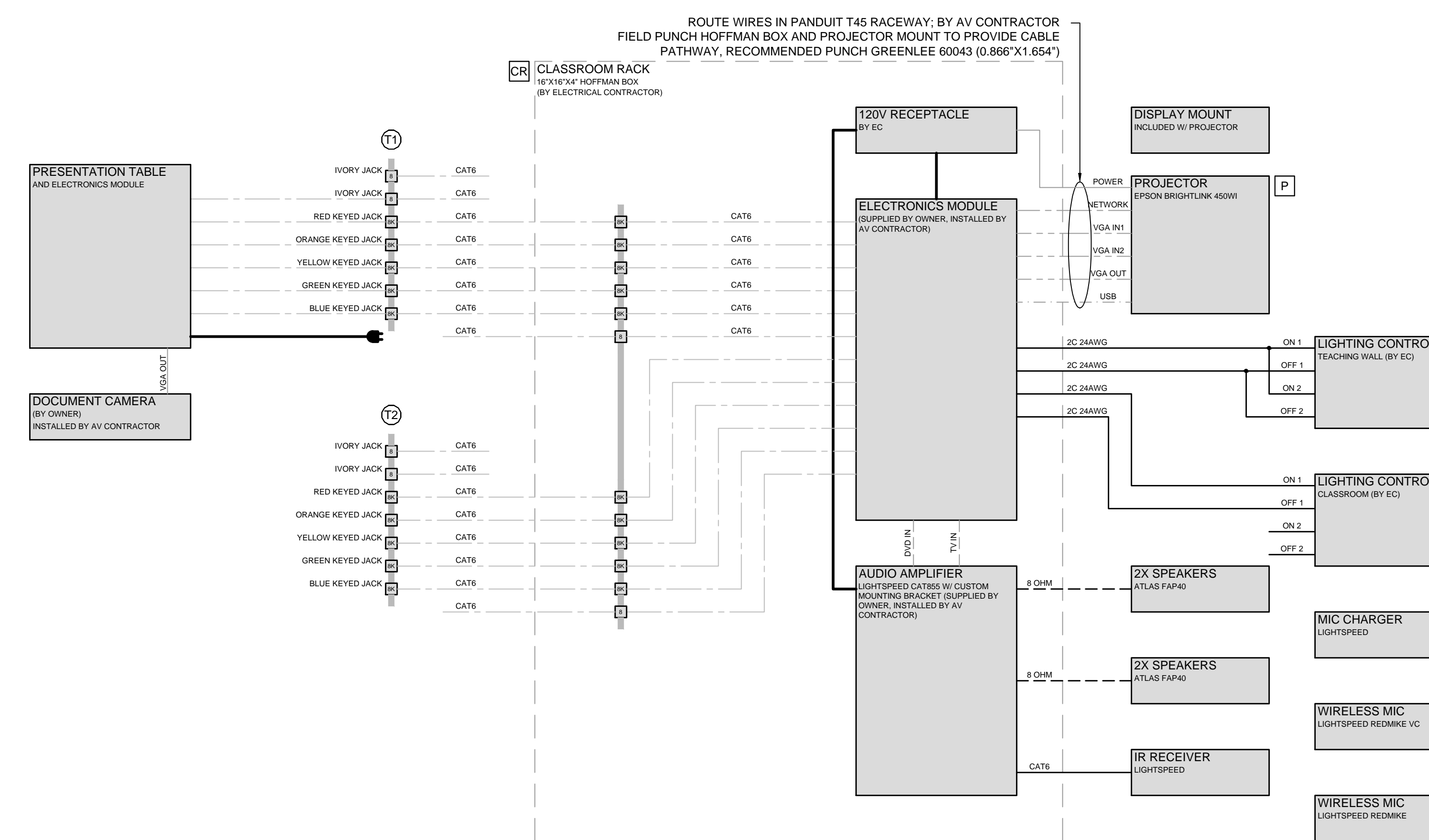
AV1 - Conference Room
 SCALE: NTS



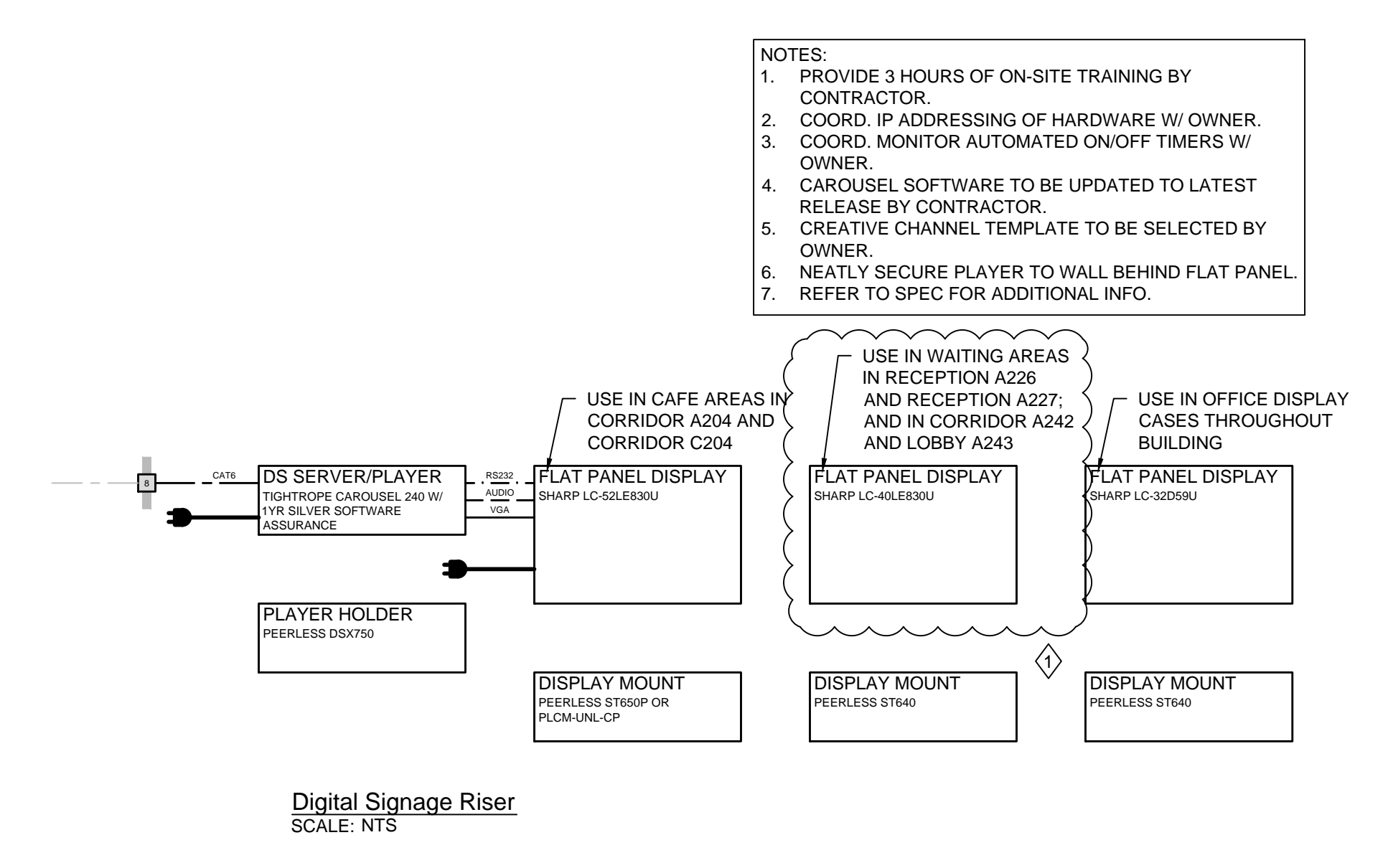
AV3 - Food Lab
 SCALE: NTS



AV2 - Science Lab
 SCALE: NTS



AV1 - Typical Classroom
 SCALE: NTS



Digital Signage Riser
 SCALE: NTS

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