

Riverside County
Information
Technology

Communications
Bureau

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Public Health
Lab
Expansion

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REVISION	DATE	DESCRIPTION
00	09/09/15	Placed WAC's on new layout

PROJECT NO:
JOB FILE:
DRAWN BY: RTAM
CHECKER BY:
DATE: 09-09-2015
SCALE: NTS

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RIVERSIDE COUNTY INFORMATION TECHNOLOGY

SHEET TITLE:

TELECOM JACK PLAN
FIRST FLOOR

SHEET 1 OF 10

T2-1

GENERAL NOTES

WHERE CONDUIT RUNS OUT ARE LOCATED NEAR A CEILING SPACE THAT IS UNACCESSIBLE, THE CONDUIT END SHALL TERMINATE IN AN ACCESSIBLE PORTION OF THE CEILING SPACE.
REFER TO ELECTRICAL DRAWINGS FOR POWER OUTLET REQUIREMENTS.

KEY NOTES

STANDARD HEIGHT WALL WORK AREA OUTLET: ELECTRICIAN TO INSTALL ONE (1) 1 INCH EMT CONDUIT (FLEX NOT ALLOWED) STUBBED INTO THE CEILING SPACE. BOX, SINGLE GANG REDUCER, REAM AND ADD BUSHING. HEIGHT SHALL BE APPROX. 18 INCHES TO BOTTOM OF OUTLET OR MATCH STANDARD ELECTRICAL HEIGHT. EXACT LOCATION TO BE VERIFIED WITH FURNITURE VENDOR.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6 DATA CABLES PER WORK AREA OUTLET.

ABOVE COUNTER OR BELOW CEILING WALL WORK AREA OUTLET: SAME AS ABOVE EXCEPT HEIGHT OF THE CONDUIT SHALL BE COORDINATED WITH MONITOR OR FLAT PANEL. REFER TO ARCHITECTURAL DRAWINGS AND MATCH ELECTRICAL OUTLET HEIGHT.

FLAT PANEL WORK AREA OUTLET: ELECTRICIAN TO INSTALL ONE (1) REDUCED ENTERTAINMENT BOX AND LOW PROFILE FRAME (EYOTON PRODUCTS OF APPROXIMATE EQUAL, COVERED OPENINGS). HEIGHT SHALL BE AS REFLECTED ON ARCHITECTURAL DRAWINGS. ELECTRICAL RECEPTacles SHALL OCCUPY THE TOP PORT BEHIND THE BOX. FOR COMMUNICATIONS CABLES, PROVIDE TWO (2) 1/2 INCH KNOCK OUTS ON THE TOP EDGE OF THE WALL, ONE TO THE RIGHT AND THE OTHER TO THE LEFT OF THE BOX. ADD A NON-METALLIC SNAP IN BUSHING AND PULL STRING FOR EACH KNOCKOUT.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6 DATA CABLES PER WORK AREA OUTLET.

SPECIAL DATA WORK AREA OUTLET: ELECTRICIAN TO INSTALL ONE (1) 1 INCH EMT CONDUIT (FLEX NOT ALLOWED) STUBBED INTO THE CEILING SPACE. REAM AND ADD BUSHING. BOX SHALL BE WING PAN 2800R AND SUBSTITUTION TO: WING PAN ELECTRONICS COM AND CLICK ON "SPARE PARTS" OR CALL (715) 388-8866. EXACT HEIGHT SHALL BE DETERMINED BY THE ARCHITECT.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6 DATA CABLES PER WORK AREA OUTLET.

SYSTEMS FURNITURE/STATION WORK AREA OUTLET: ALL CABLES WILL BE ROUTED INTO THE SYSTEMS FURNITURE VIA THE SYSTEMS FURNITURE FEEDS.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6 DATA CABLES PER WORK AREA OUTLET.

WALL PHONE WORK AREA OUTLET: ELECTRICIAN TO INSTALL ONE (1) 1 INCH EMT CONDUIT (FLEX NOT ALLOWED) STUBBED INTO THE CEILING SPACE. BOX, SINGLE GANG REDUCER, REAM AND ADD BUSHING. HEIGHT SHALL BE AT A F.F. TO CENTER OF THE BOX UNLESS OTHERWISE SPECIFIED BY THE ARCHITECT.
COMMUNICATIONS CONTRACTOR TO INSTALL ONE (1) CATEGORY 6 DATA CABLE PER WORK AREA OUTLET.

SYSTEMS FURNITURE IN FEED: CEILING IN FEED UTILITY COLUMN PROVIDED BY THE SYSTEMS FURNITURE VENDOR. ELECTRICIAN TO INSTALL ONE (1) 1/2 INCH EMT CONDUIT (FLEX NOT ALLOWED) STUBBED INTO THE CEILING SPACE. BOX, SINGLE GANG REDUCER, REAM AND ADD BUSHING. HEIGHT SHALL BE APPROX. 18 INCHES TO BOTTOM OF OUTLET OR MATCH STANDARD ELECTRICAL HEIGHT. EXACT LOCATION TO BE VERIFIED WITH FURNITURE VENDOR.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6 DATA CABLES PER WORK AREA OUTLET.

AUDIO VISUAL WORK AREA OUTLET: ELECTRICIAN TO INSTALL ONE (1) SINGLE GANG 1/2 INCH MOUNTING BRACKET. HEIGHT SHALL BE APPROX. 18 INCHES TO BOTTOM OF OUTLET OR MATCH STANDARD ELECTRICAL HEIGHT. EXACT LOCATION TO BE DETERMINED BY THE ARCHITECT. PROVIDE ONE (1) 1/2 INCH KNOCK OUT ON THE TOP EDGE OF THE WALL. ADD A NON-METALLIC SNAP IN BUSHING AND PULL STRING.
COMMUNICATIONS CONTRACTOR TO INSTALL THE AUDIO VISUAL INPUT CONNECTIONS AT THIS OUTLET.

POLE MOUNT CONTROLLER WORK AREA OUTLET: ELECTRICIAN TO INSTALL ONE (1) DOUBLE GANG 1/2 INCH MOUNTING BRACKET. HEIGHT SHALL BE APPROX. 44 INCHES TO CENTER OF THE OUTLET OR MATCH ADA COMPLIANT HEIGHT OF ELECTRICAL SWITCHES IN THE ROOM. PROVIDE ONE (1) 1/2 INCH KNOCK OUT ON THE TOP EDGE OF THE WALL. ADD A NON-METALLIC SNAP IN BUSHING AND PULL STRING. COVER STRINGS WITH BLANK STRING COVER.
COMMUNICATIONS CONTRACTOR TO INSTALL THE MEDIA CONTROLLER OF THE AUDIO VISUAL SYSTEM AT THIS OUTLET.

CEILING WORK AREA OUTLET: NOTHING REQUIRED OF ELECTRICIAN EXCEPT AS NOTED IN THE GENERAL NOTES ON THIS PAGE.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6 DATA CABLE PER WORK AREA OUTLET. TERMINATED ON 2 FOOT SURFACE MOUNT BOX ABOVE THE CEILING. LEAVE 15 FOOT SLACK FIGURE 4 LOOP IN CEILING.

AP WORK AREA OUTLET: NOTHING REQUIRED OF ELECTRICIAN EXCEPT AS NOTED IN THE GENERAL NOTES ON THIS PAGE.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6A DATA CABLES PER WORK AREA OUTLET. TERMINATED ON 2 FOOT SURFACE MOUNT BOX ABOVE THE CEILING. LEAVE 15 FOOT SLACK FIGURE 4 LOOP IN CEILING.

MODULAR WORK STATION AREA OUTLET: ELECTRICIAN TO PROVIDE PATHWAY FROM CEILING TO MODULAR FURNITURE FOR DATA CABLES.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6 DATA CABLES PER WORK AREA OUTLET. CABLES SHALL BE RUN FROM THE WORK AREA OUTLET TO THE CEILING MOUNTED CONSULTATION POINT AND THEN CROSS-CONNECTED ON A 1/2 BLOCK FROM WHERE THE SAME NUMBER OF CABLES SHALL BE RUN FROM THE 1/2 BLOCK TO THE TELECOMMUNICATIONS ROOM. CABLES TO THE WORK AREA OUTLET SHALL BE CONTAINED IN THE BUILT-IN SYSTEM TRAYS OF THE MODULAR FURNITURE. WHERE CABLES THAT ARE EXPOSED BENEATH THE CEILING SHALL BE FULLY COVERED IN TELEPHONE SPIRAL WRAP. BLACK IN COLOR.

HANDS FREE INTERCOM STATION: ELECTRICIAN TO CUT THE CEILING TILE AND INSTALL (1) SINGLE GANG JBOX FACING DOWN TO THE FLOOR AND TIE WITH THE TELEPHONE WIRE THAT PASSES THE FLOOR. COMMUNICATIONS CONTRACTOR TO INSTALL (1) WIRELESS/2222 THE WIRELESS INTERCOM STATION ON THE SINGLE GANG JBOX PROVIDED BY THE ELECTRICIAN AND THE CORRESPONDING CONTROLLER ON A WALL ABOVE CEILING WITHIN 5 FEET FROM THE INTERCOM STATION. PATCH THE CONTROLLER AND THE INTERCOM STATION WITH 2 FT. CATEGORY 6 PATCH CABLE. THE PATCH CABLE SHALL BE SUPPORTED EVERY 4 FEET.

ENTRY PHONE: NOTE THAT THE ENTRY PHONE WILL NOT MOUNT TO STANDARD DOUBLE GANG OR SINGLE GANG BOX. ELECTRICIAN TO INSTALL ONE (1) 1 INCH EMT CONDUIT (FLEX NOT ALLOWED) STUBBED INTO THE CEILING SPACE. WING PAN SERIAL CABLE MANUFACTURER'S PRODUCT SUPPORT AT (715) 388-8866. REAM AND ADD BUSHING AT BOTH ENDS OF CONDUIT. HEIGHT SHALL BE AS SPECIFIED BY THE ARCHITECT OR APPROX. 44 INCHES TO BOTTOM OF OUTLET. EXACT LOCATION TO BE DETERMINED BY ARCHITECT.
COMMUNICATIONS CONTRACTOR TO INSTALL ONE (1) CATEGORY 6 DATA CABLES PER WORK AREA OUTLET.

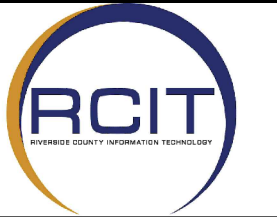
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CAMERA: NOTHING REQUIRED OF ELECTRICIAN EXCEPT AS NOTED IN THE GENERAL NOTES ON THIS PAGE.

FLOOR RISER WORK AREA OUTLET: ELECTRICIAN TO INSTALL WIRELESS PAN RISE (2) POWER AND DATA FLOOR BOX WITH APPROPRIATE CLOUT COVER ASSEMBLIES AND FLOOR BOX ACCESSORIES. COLOR TO BE SPECIFIED BY ARCHITECT. INSTALL (1) 1/2 INCH CONDUIT (FLEX NOT ALLOWED) TWO TO CEILING VOID EACH WALL AS SPECIFIED. PROVIDE EACH CONDUIT WITH PULL STRING FOR VOICE AND DATA CONNECTIVITY. CONDUITS SHALL BE CONTINUED TO THE NEAREST WALL AND STUBBED UP INTO THE CEILING SPACE OF THE FLOOR AS BEING SERVED. EACH CONDUIT SHALL HAVE NO MORE THAN TWO (2) DISBURSE BRANDES. REAM ALL CONDUIT ENDS AND FIT WITH INSULATED BUSHINGS. ALL BOXES SHALL BE COVERED FOR DUAL SERVICE WHICH WILL REQUIRE ACCESSORY ITEMS FOR SEPARATION OF POWER AND DATA. EACH FLOOR BOX SHALL INCLUDE (1) INTERNAL BRACKET FOR A CABLE DATA RECEPTACLE FOR COMMUNICATIONS EQUIPMENT. (1) COMMUNICATION BRACKET FOR 2x4 PRO EQUIPMENT. FLOOR BOXES MAY NOT BE CONNECTED TOGETHER OR DASH CHAINED FOR ANY REASON. EXACT LOCATION TO BE VERIFIED WITH FURNITURE VENDOR. PROVIDE COMPATIBLE ACCESSORIES TO BRING DATA AND ELECTRICAL OUTLETS TO TOP OF DESKTOP.
COMMUNICATIONS CONTRACTOR TO INSTALL TWO (2) CATEGORY 6 DATA CABLES PER WORK AREA OUTLET.



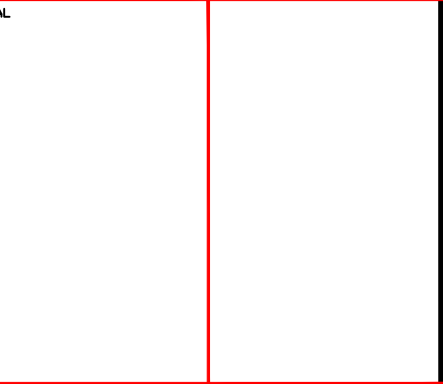
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REVISION	DATE	DESCRIPTION
00	08/07/15	Placed WAC's on new layout

PROJECT NO: IT740010PNRCODP
CAD DWG FILE:
DRAWN BY: RTAM
CHECKED BY:
DATE: 09-09-2015
SCALE: NTS

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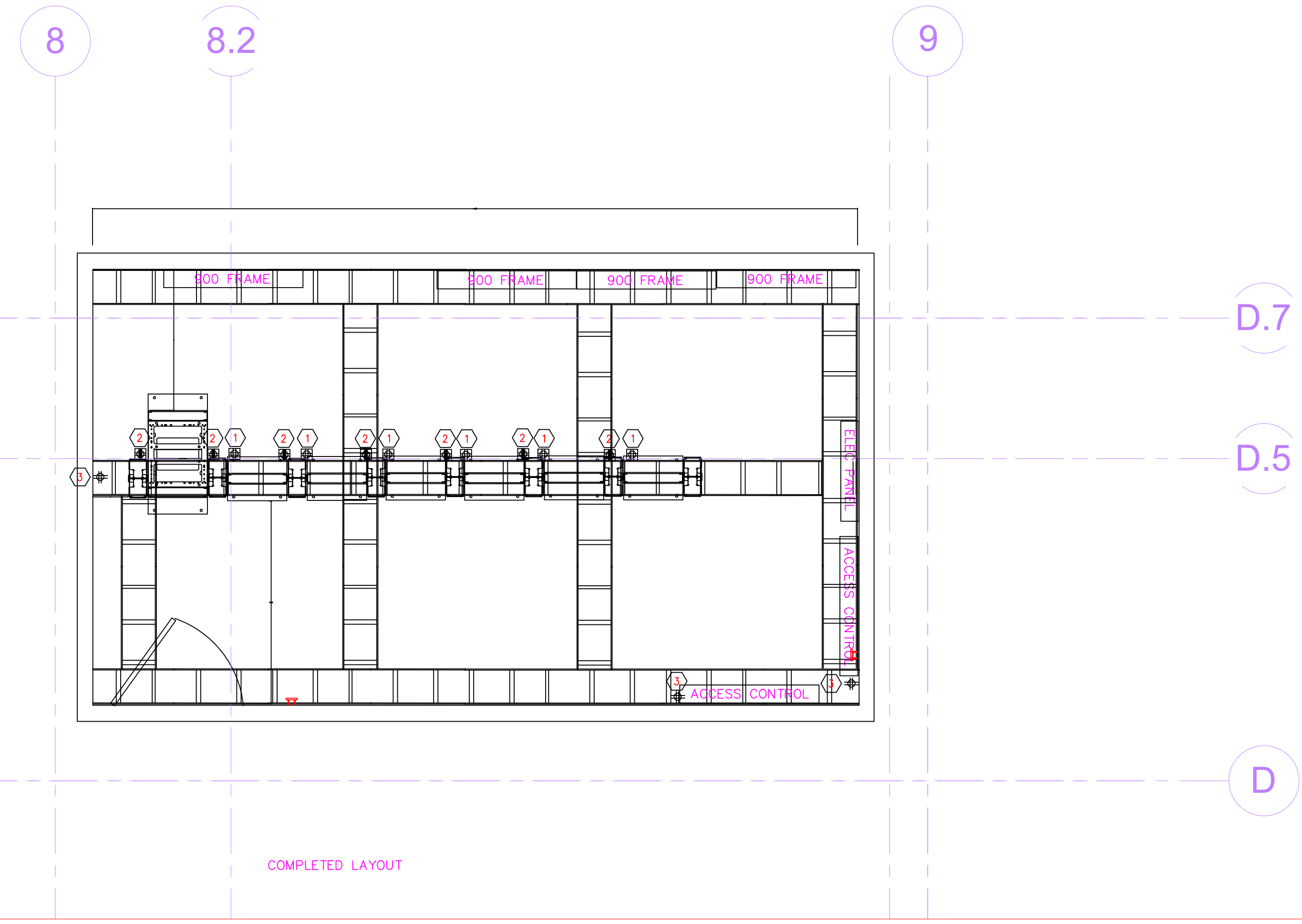
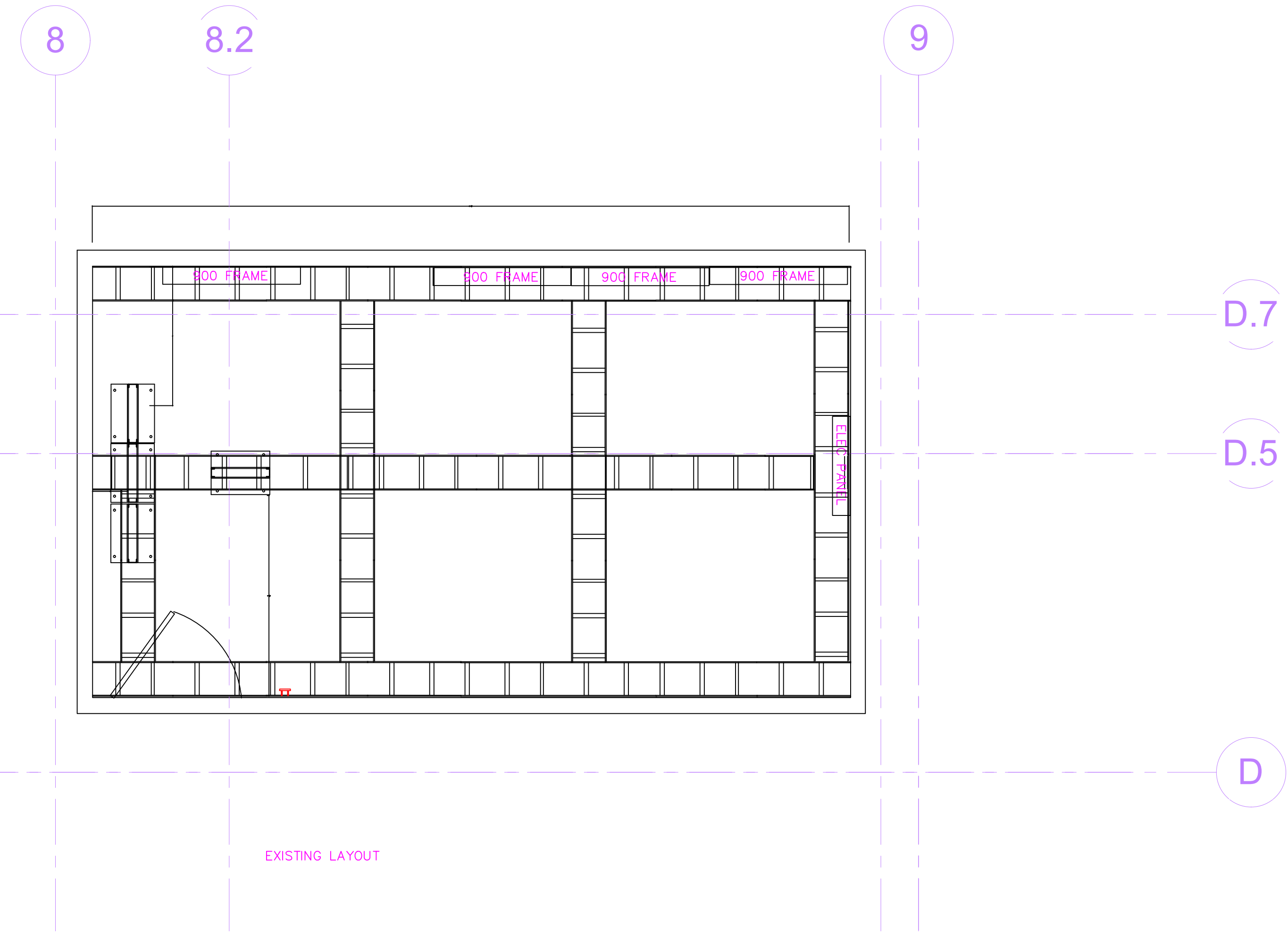
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MPOE //
TELECOM ROOM
LAYOUT

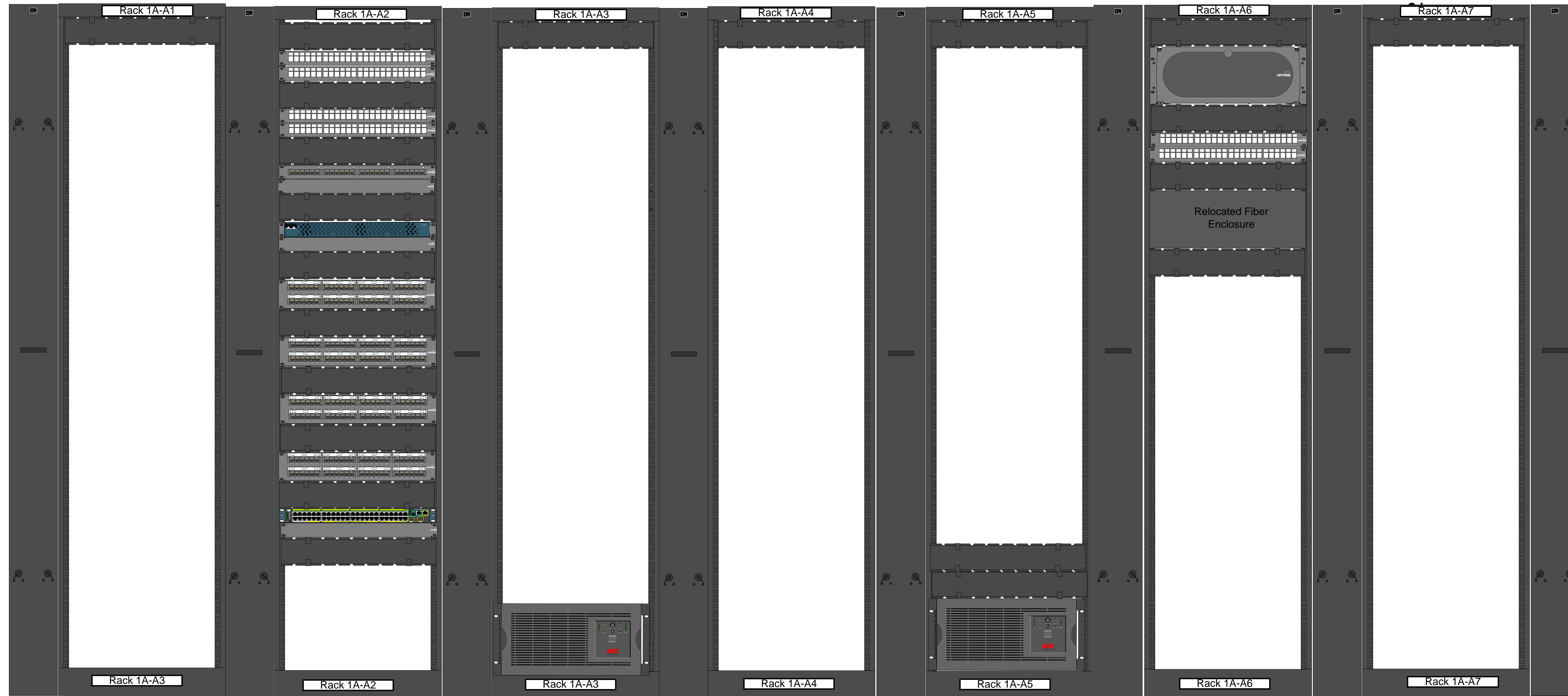
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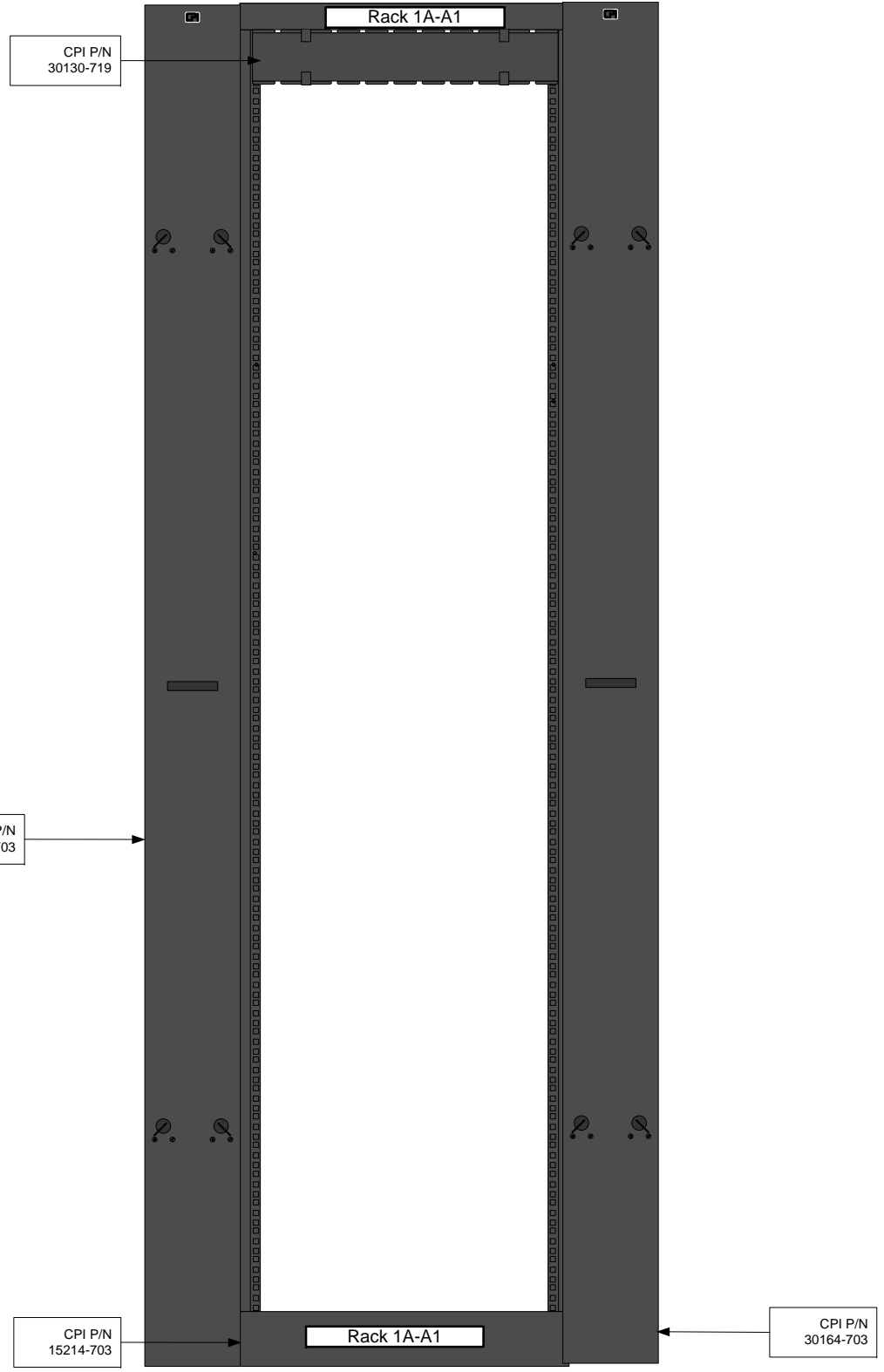
T3-1

- NOTES**
NOTES FOR TELECOMMUNICATIONS ROOM (DATA/COMM ROOM/IT ROOM):
- GENERAL CONTRACTOR TO COMPLY WITH RIVERSIDE COUNTY INFORMATION TECHNOLOGY SPECIFICATIONS STANDARDS; NO EXCEPTIONS TAKEN.
- ① GENERAL CONTRACTOR TO INSTALL (1) DEDICATED 110 VOLT, 20 AMP CIRCUITS WITH ISOLATED GROUND. TERMINATE EACH DEDICATED CIRCUIT ON DOUBLE DUPLEX OUTLETS USING NEMA 5-20R RECEPTACLES IN A SURFACE MOUNTED 45 BOX ON LADDER RACK INSTALLED BY RCIT CONTRACTOR. COORDINATE INSTALLATION SCHEDULE WITH RCIT CONTRACTOR. DEVELOP MEANS AND METHODS TO MOUNT THE BOX WITHOUT DRILLING INTO ANY PART OF THE LADDER RACK. EACH CIRCUIT MUST BE LABELED WITH A MECHANICAL LABELER DEVICE USING WHITE TAPE WITH BLACK LETTERING (HAND WRITTEN LABEL NOT PERMITTED) ON THE ELECTRICAL OUTLET COVER AND SUBPANEL. COORDINATE PLACEMENT WITH RCIT ENGINEER.
- ② GENERAL CONTRACTOR TO INSTALL (1) DEDICATED 208 VOLT, 30 AMP CIRCUITS WITH ISOLATED GROUND. TERMINATE THE DEDICATED CIRCUITS ON 16-POS TWIST LOCK RECEPTACLE IN A SURFACE MOUNTED 45 BOX ON LADDER RACK INSTALLED BY RCIT. DEVELOP MEANS AND METHODS TO MOUNT THE BOX WITHOUT DRILLING ANY PART OF THE LADDER RACK. EACH CIRCUIT MUST BE LABELED WITH A MECHANICAL LABELER DEVICE USING WHITE TAPE WITH BLACK LETTERING (HAND WRITTEN LABEL NOT PERMITTED) ON THE ELECTRICAL OUTLET COVER AND SUBPANEL. COORDINATE PLACEMENT WITH RCIT ENGINEER.
- ③ GENERAL CONTRACTOR TO INSTALL (1) DEDICATED 110 VOLT, 20 AMP CIRCUITS WITH ISOLATED GROUND. TERMINATE THE DEDICATED CIRCUITS ON DOUBLE DUPLEX OUTLETS IN A SURFACE MOUNTED 45 BOX ON THE WALL AT 9 FT AFF. EACH CIRCUIT MUST BE LABELED WITH A MECHANICAL LABELER DEVICE USING WHITE TAPE WITH BLACK LETTERING (HAND WRITTEN LABEL NOT PERMITTED) ON THE ELECTRICAL OUTLET COVER AND SUBPANEL IN THE TELECOMMUNICATIONS ROOM (DATA/COMM ROOM). CONTACT COUNTY INFORMATION TECHNOLOGY ENGINEER FOR EXACT LOCATION PRIOR TO INSTALLATION.



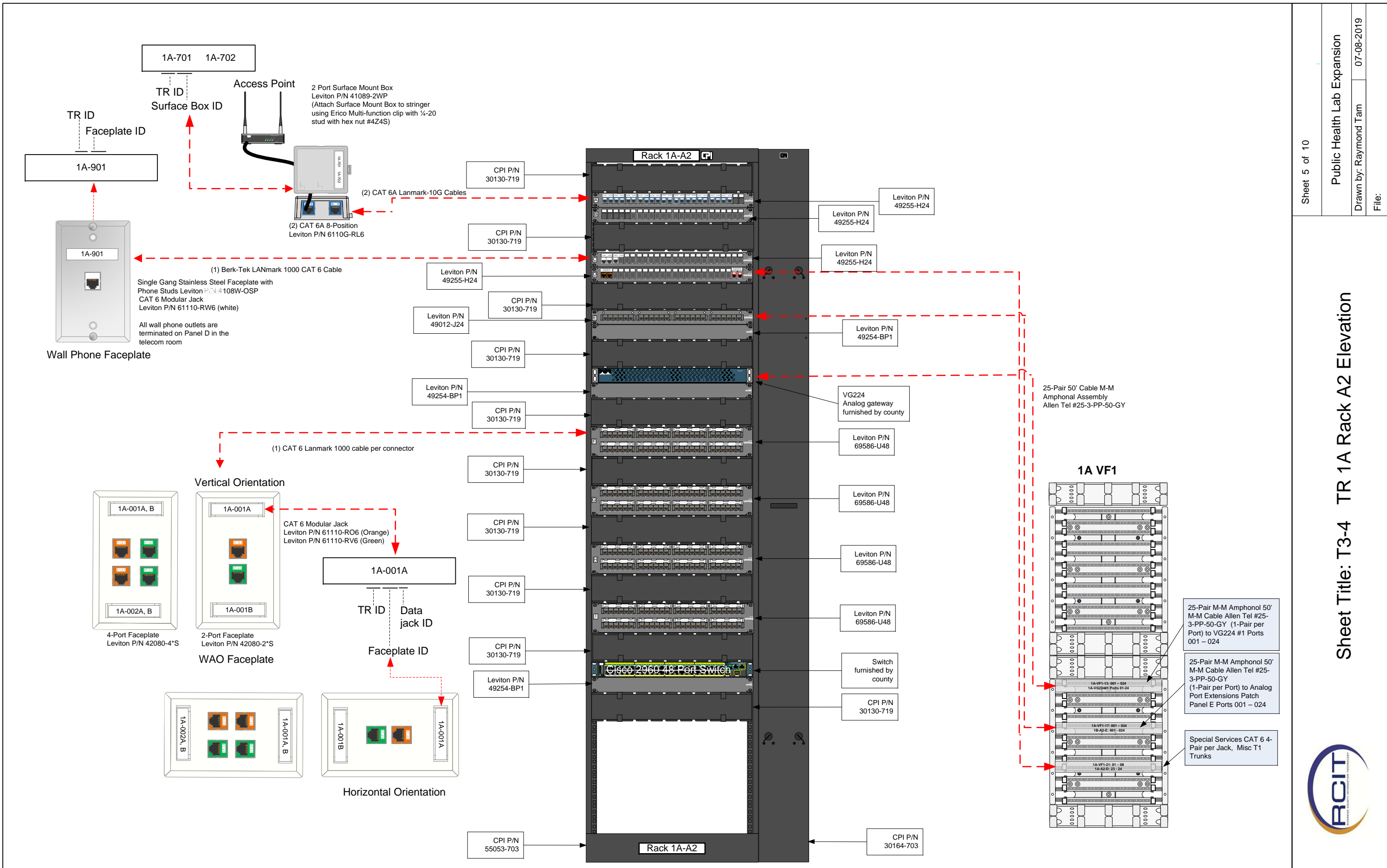
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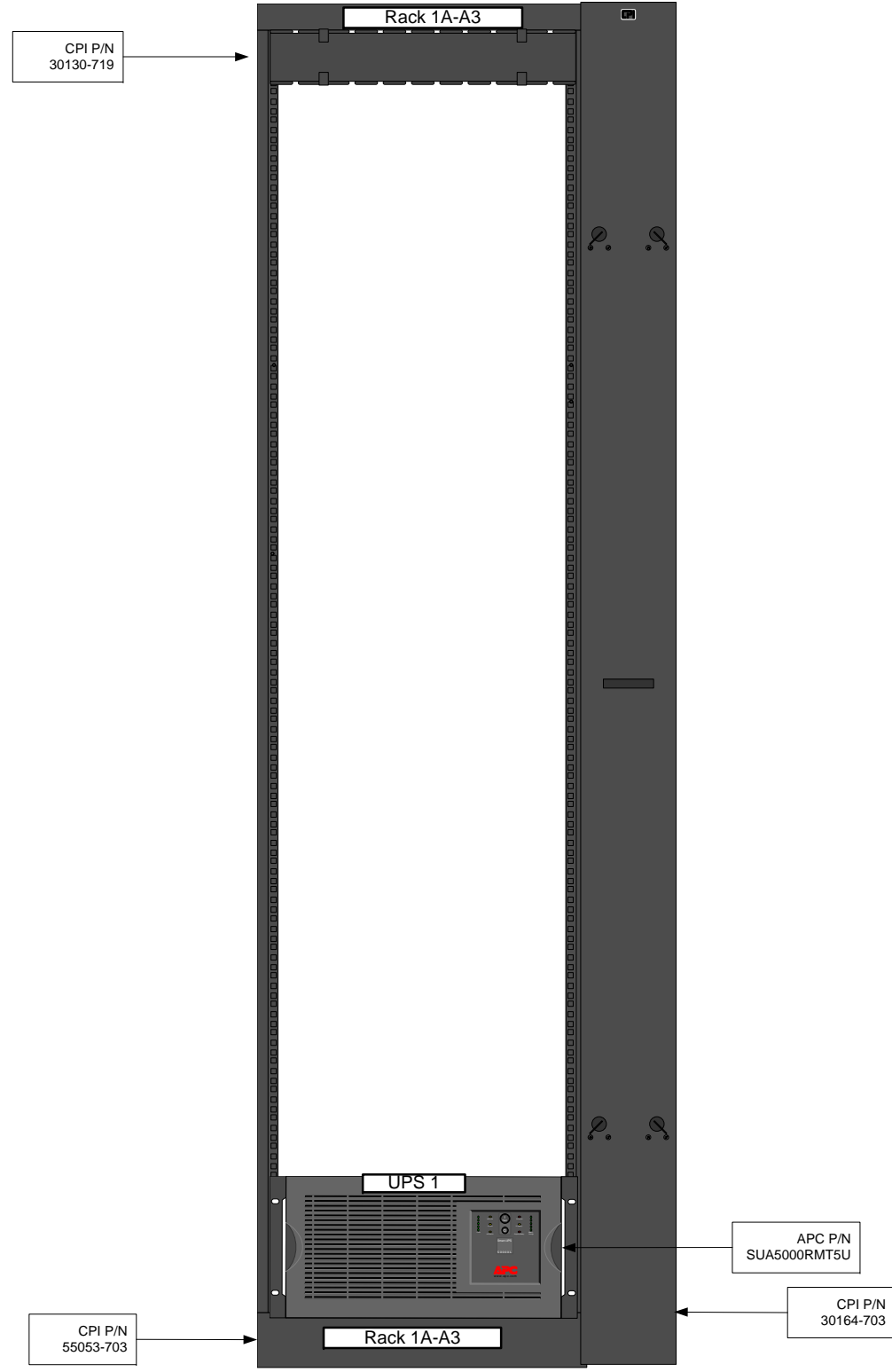
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Sheet Title: T3-4 TR 1A Rack A2 Elevation





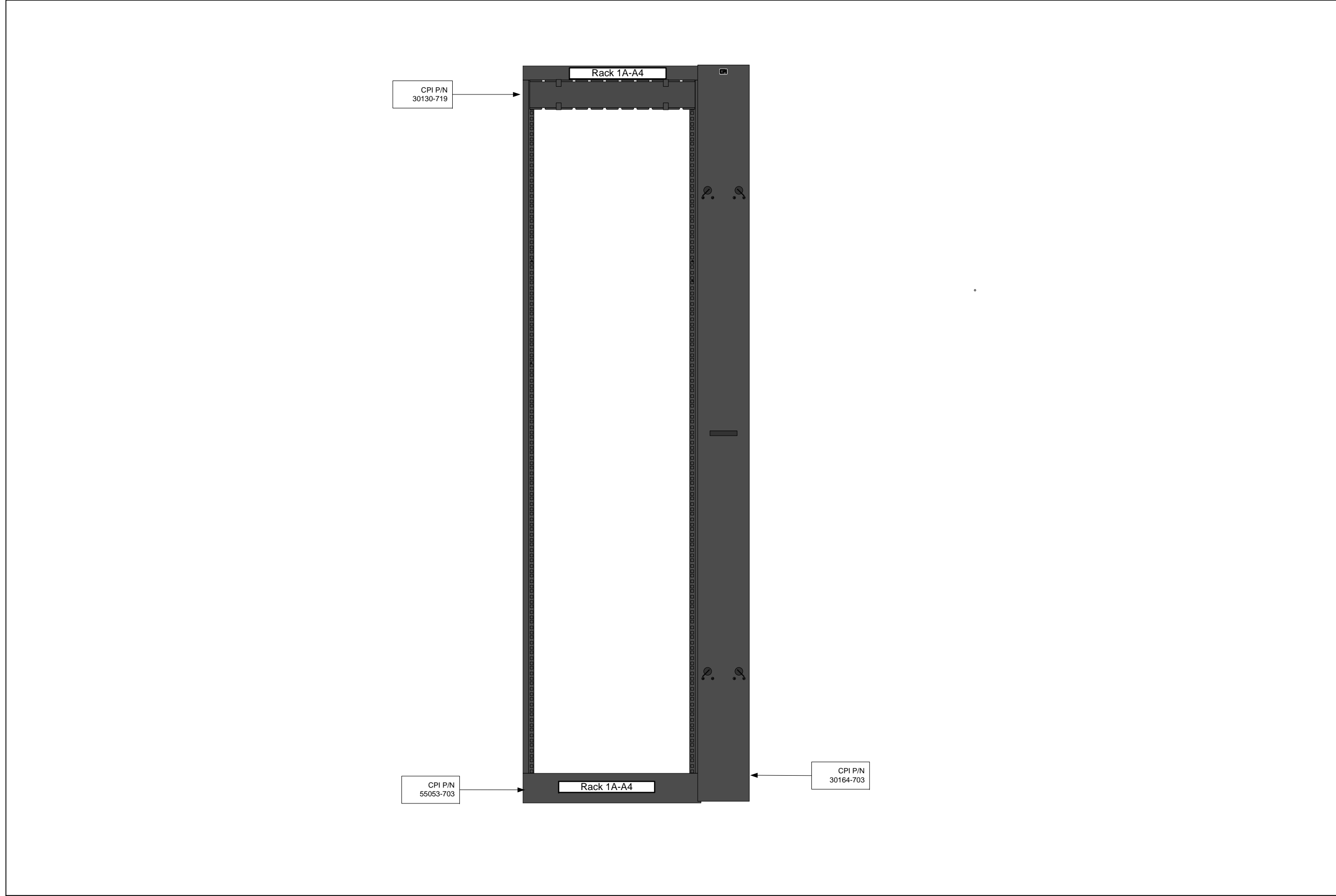
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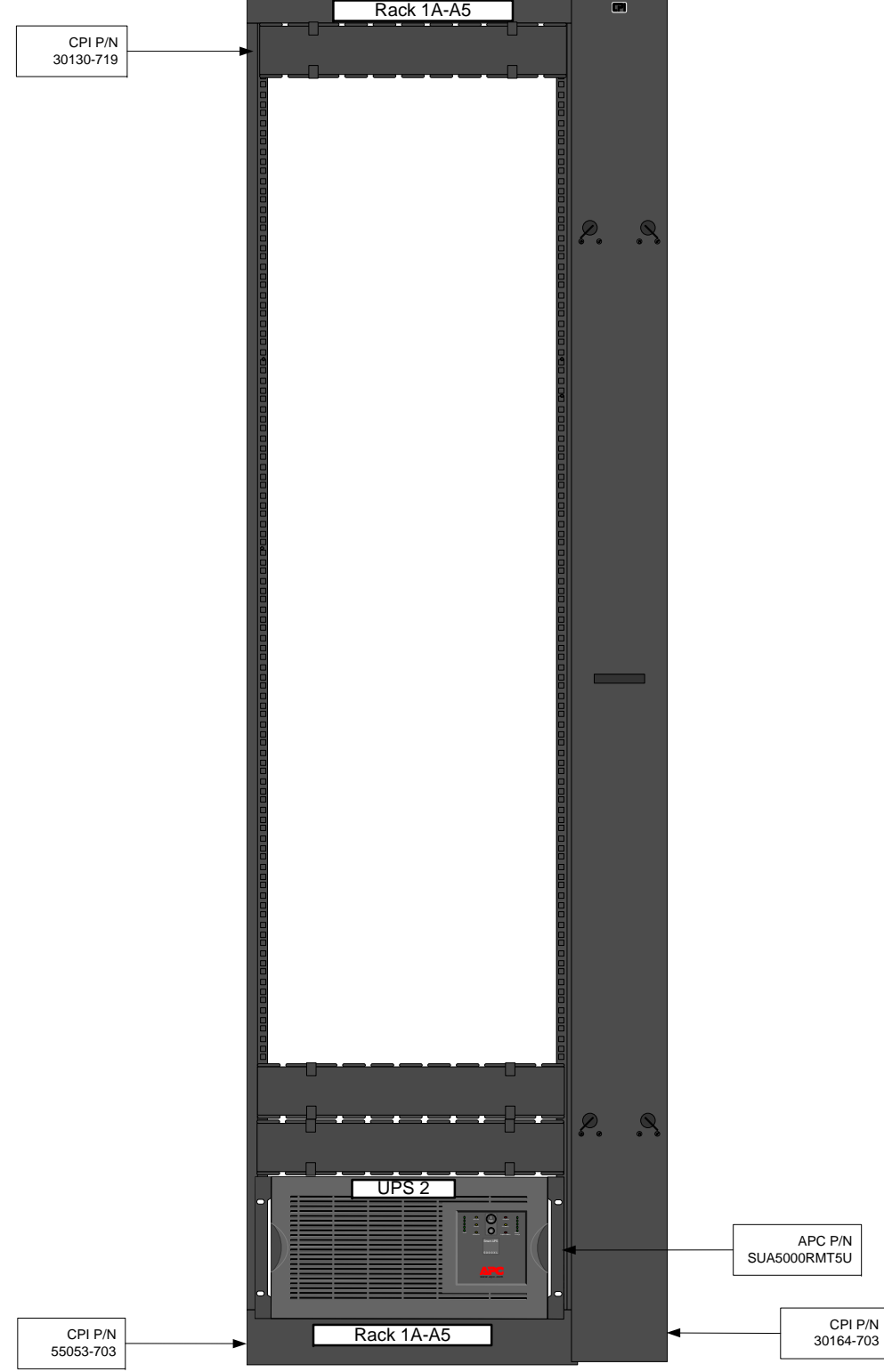
Sheet 6 of 10

Public Health Lab Expansion

Drawn by: Raymond Tam 07-08-2019

File:





Sheet Title: T3-7 TR 1A Rack A5 Elevation

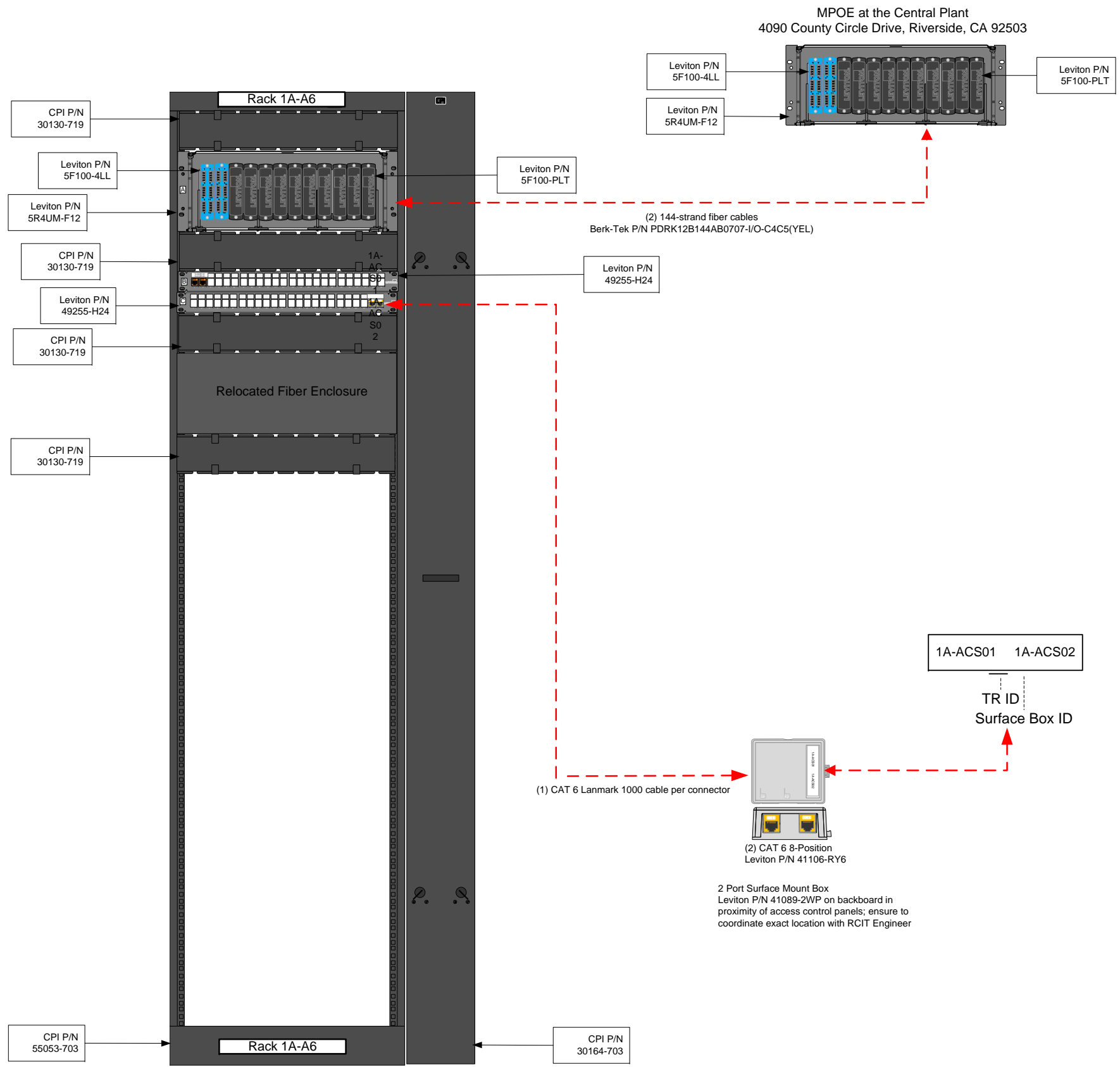
Sheet 8 of 10

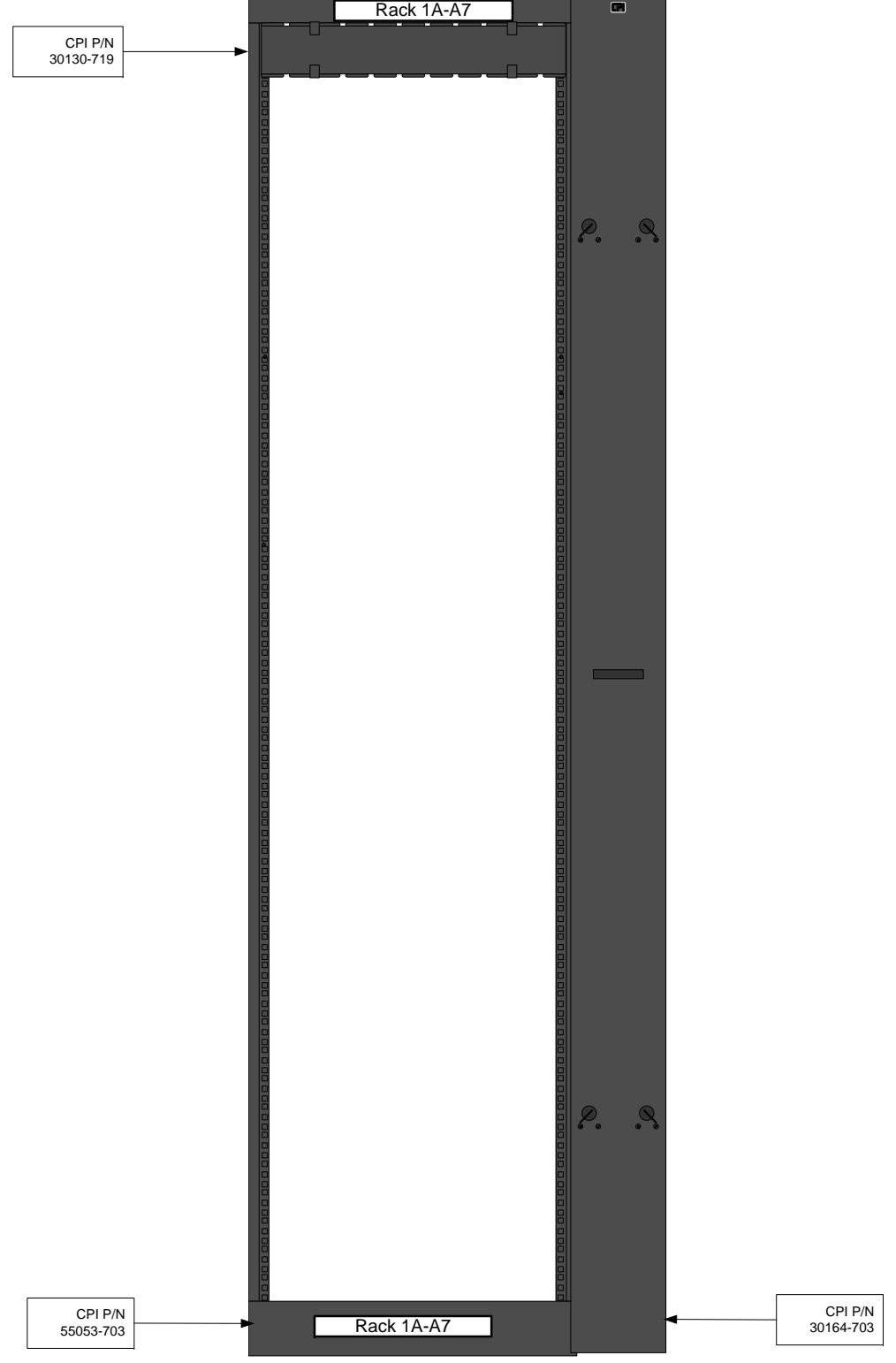
Public Health Lab Expansion

Drawn by: Raymond Tam

07-08-2019

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Sheet Title: T3-9 TR 1A Rack A7 Elevation

Sheet 10 of 10

Public Health Lab Expansion

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07-08-2019

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