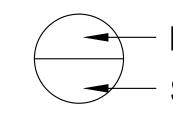
Security Equipment Upgrade Project Manatee County Central Jail Manatee CO, 14470 Harlee Road, Palmetto FL, 34221

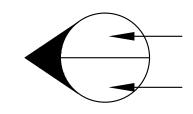
Sheet List Table		
Sheet Number	Sheet Title	
T0.0.00	COVER SHEET	
T1.1.00	SITE PLAN	
T1.1.01	CENTRAL JAIL - FIRST LEVEL - AREA A	
T1.1.02	CENTRAL JAIL - FIRST LEVEL - AREA B	
T1.1.03	CENTRAL JAIL - FIRST LEVEL - AREA C	
T1.1.04	CENTRAL JAIL - FIRST LEVEL - AREA D	
T1.1.05	CENTRAL JAIL - FIRST LEVEL - AREA E	
T1.1.06	CENTRAL JAIL - FIRST LEVEL - AREA F	
T1.1.07	CENTRAL JAIL - FIRST LEVEL - AREA G	
T1.1.08	CENTRAL JAIL - FIRST LEVEL - AREA H	
T1.1.09	CENTRAL JAIL - FIRST LEVEL - AREA I	
T1.1.10	CENTRAL JAIL - FIRST LEVEL - AREA J	
T1.1.11	CENTRAL JAIL - FIRST LEVEL - AREA K	
T1.1.12	CENTRAL JAIL - FIRST LEVEL - AREA L	
T1.1.13	CENTRAL JAIL - FIRST LEVEL - AREA N	
T1.1.14	CENTRAL JAIL - FIRST LEVEL - AREA P	
T1.2.01	CENTRAL JAIL - SECOND LEVEL - AREA A	
T1.2.02	CENTRAL JAIL - SECOND LEVEL - AREA B	
T1.2.03	CENTRAL JAIL - SECOND LEVEL - AREA D & E	
T1.2.04	CENTRAL JAIL - SECOND LEVEL - AREA F	
T1.2.05	CENTRAL JAIL - SECOND LEVEL - AREA G	
T1.2.06	CENTRAL JAIL - SECOND LEVEL - AREA H	
T1.2.07	CENTRAL JAIL - SECOND LEVEL - AREA I	
T1.2.08	CENTRAL JAIL - SECOND LEVEL - AREA J	
T1.2.09	CENTRAL JAIL - SECOND LEVEL - AREA K	
T1.2.10	CENTRAL JAIL - SECOND LEVEL - AREA L	
T1.2.11	CENTRAL JAIL - SECOND LEVEL - AREA N	
T1.2.12	CENTRAL JAIL - SECOND LEVEL - AREA P	
T1.3.01	ANNEX - FIRST LEVEL - AREA A	
T1.3.02	ANNEX - FIRST LEVEL - AREA B	
T1.3.03	ANNEX - SECOND LEVEL - AREA B	
T3.0.00	RACK ELEVATIONS	
T3.0.01	RACK ELEVATIONS	
T4.0.00	ENLARGEMENTS	
T4.0.01	ENLARGEMENTS	
T4.0.02	ENLARGEMENTS - FURNITURE	
T5.0.01	TECHNOLOGY - DETAILS	
T5.0.02	TECHNOLOGY - DETAILS	
T5.0.03	TECHNOLOGY - DETAILS	

General Legend



Detail Number
Sheet Number

(#/T#.#) Detail Reference (Detail# / Sheet Number)



Elevation Detail Number

NORTH

North Arrow



Keynotes

EXISTING to Remain
PRO Provided by Others
AFF Above Finished Floor
AC Above Counter
S Standard Switch Height

O Standard Owtlon Height

EC Division 26 Electrical Contractor
PSC Premise Security Contractor

PAC Public Address Contractor
BCI Branch Circuit, Individual
ITG Isolated Technical Ground
UNO Unless Otherwise Noted

BFC Below Finished Ceiling
OFOI Owner Furnished and Owner Installed

General Notes

- 1. All cables shall be concealed.
- 2. All conduit measurements refer to standard conduit trade sizes.
- 3. Not all keynotes may be utilized on every sheet.
- 4. It is the intent that each contractor include all required materials for a neatly dressed cabling pathway system as indicated on these drawings and specifications. All required materials shall be included proposal.
- 5. Contractor shall provide and install all necessary sleeves, whether or not specifically noted on project drawings. All sleeves shall be 1-1/4" unless noted otherwise on the drawings. Cable fill percentage shall comply with NEC.
- 6. Contractor shall make necessary adjustments in support paths to avoid conflicts with other trades.
- 7. Everything shown on the drawings shall be provided and installed by the appropriate contractor unless noted otherwise. All Conduit, Backboxes, Junction Boxes, Floor Boxes and In-Wall Boxes shall be provided by this Contractor unless noted otherwise.
- 8. Device locations are approximate. Contractor shall review conditions and coordinate with other trades as necessary for exact placement.

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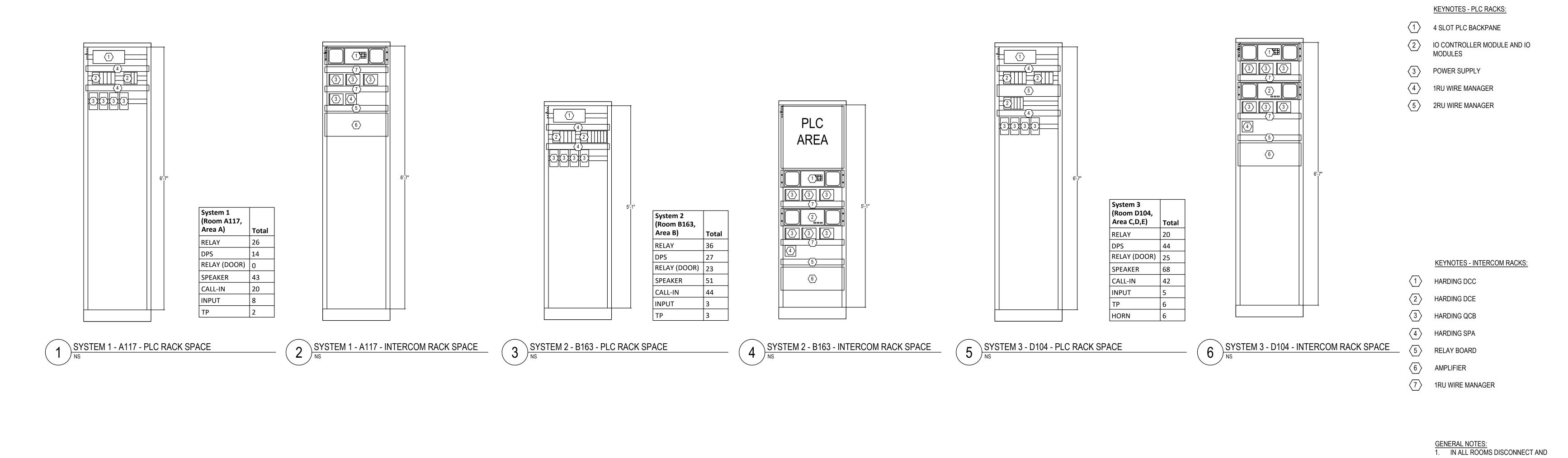
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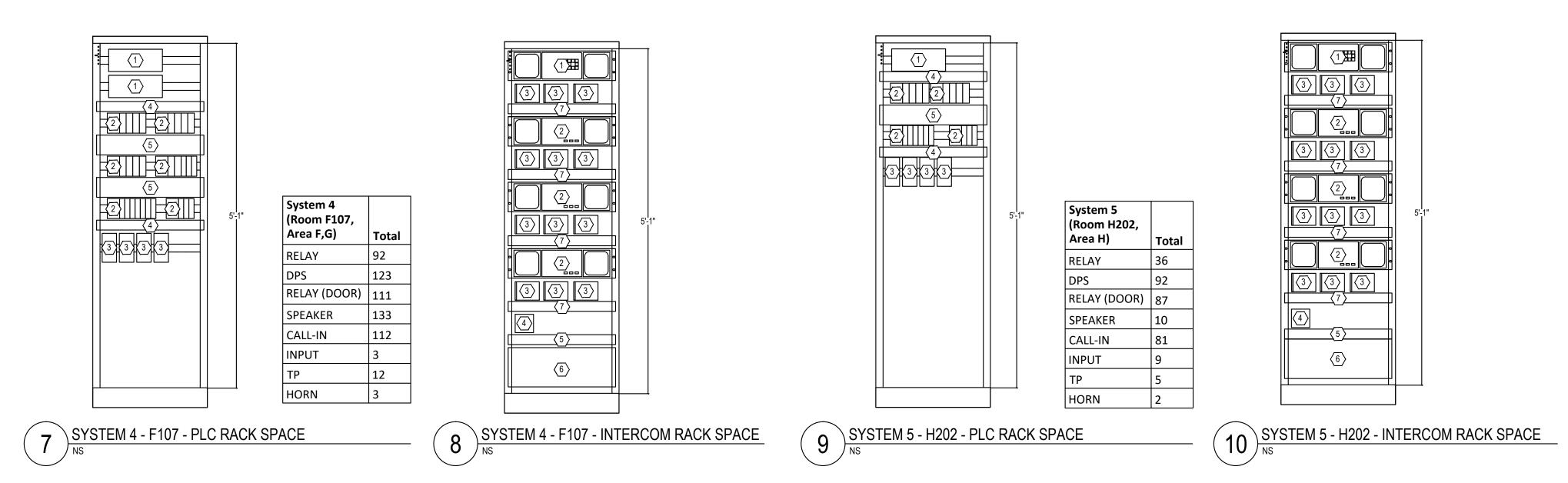
SECURITY EQUIPMENT UPGRADE PI MANATEE CO CENTRAL JAIL

100% CD	
Revision:	Date
Project No.:	2521HE
Checked By:	BF
Designed By:	BF/JM
Drawn By:	JM
	aa ahauun

COVER SHEET

T0.0.00





GENERAL NOTES:

1. DESIGNS AND IO COUNTS DIAGRAMMATIC AND NOT BE BE USED FOR CONSTRUCTION. EXACT PART REQUIREMENTS, LOCATIONS AND IO COUNTS TO BE FIELD VERIFIED.

RECONNECT 120 VAC POWER AS NECESSARY BY A QUALIFIED

PROVIDE HARDWIRED OR
 RECEPTACLE CONNECTIONS AS

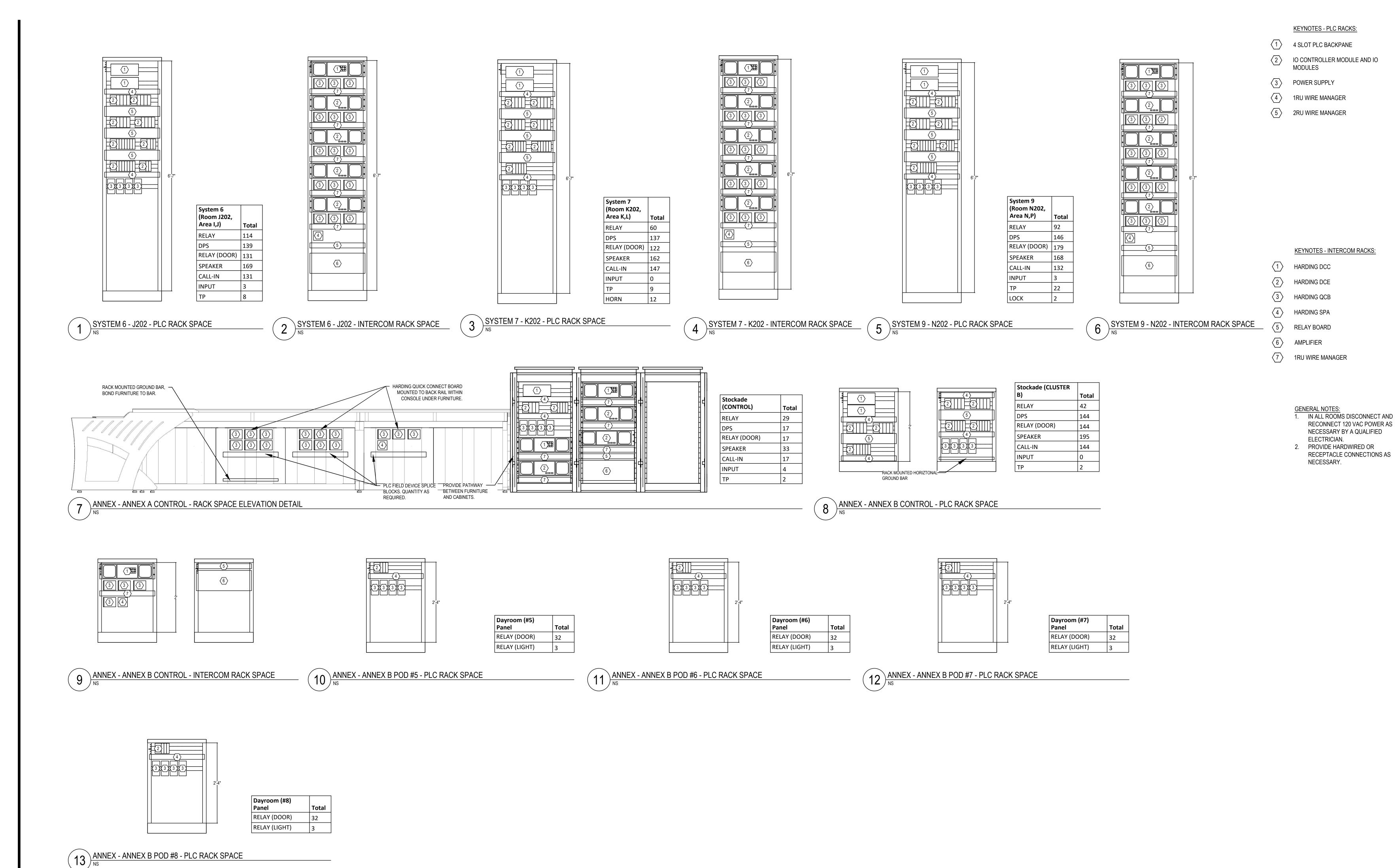
ELECTRICIAN.

NECESSARY.

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RACK ELEVATIONS

T3.0.00



GENERAL NOTES:

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 BF/JM

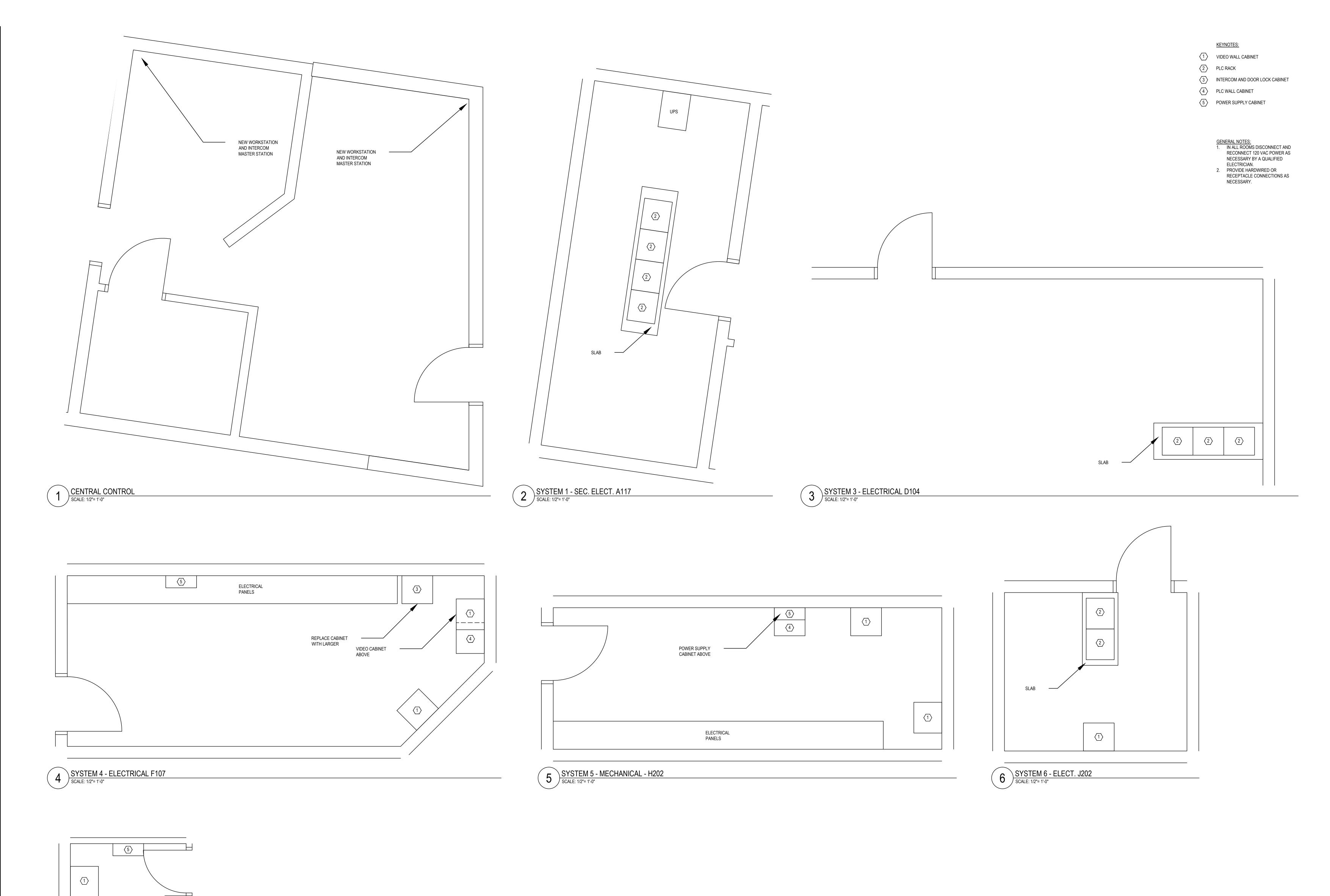
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 JM

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 02/17/2017

RACK ELEVATIONS

T3.0.01





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ENLARGEMENTS

T4.0.00

2 SYSTEM 7 - ELECT. K202 SCALE: 1/2"= 1'-0"

3 SYSTEM 9 - ELECT. N202 SCALE: 1/2"= 1'-0"

1 TMB-A - PHONE A111 AND A109 - DATA LOGGER
SCALE: 1/2"= 1'-0"

KEYNOTES:

- 1 VIDEO WALL CABINET
- 2 PLC RACK
- 3 INTERCOM AND DOOR LOCK CABINET
- 4 PLC WALL CABINET
- 5 POWER SUPPLY CABINET

- GENERAL NOTES:

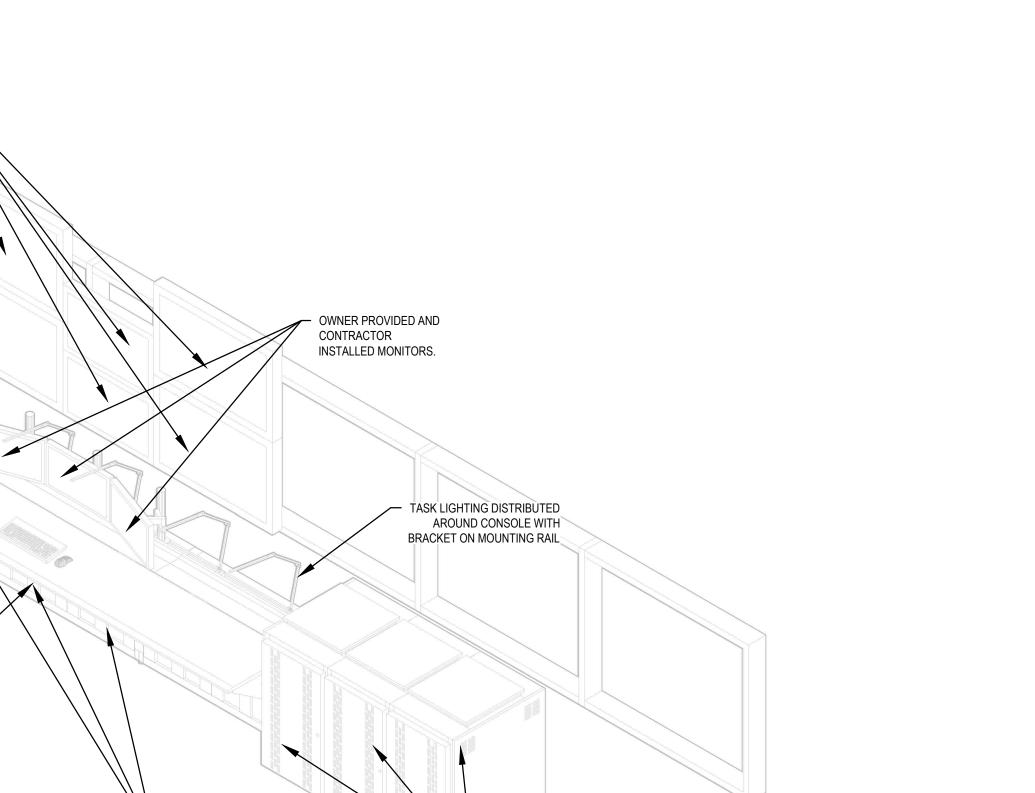
 1. IN ALL ROOMS DISCONNECT AND RECONNECT 120 VAC POWER AS NECESSARY BY A QUALIFIED ELECTRICIAN.

 2. PROVIDE HARDWIRED OR RECEPTACLE CONNECTIONS AS NECESSARY.

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T4.0.01

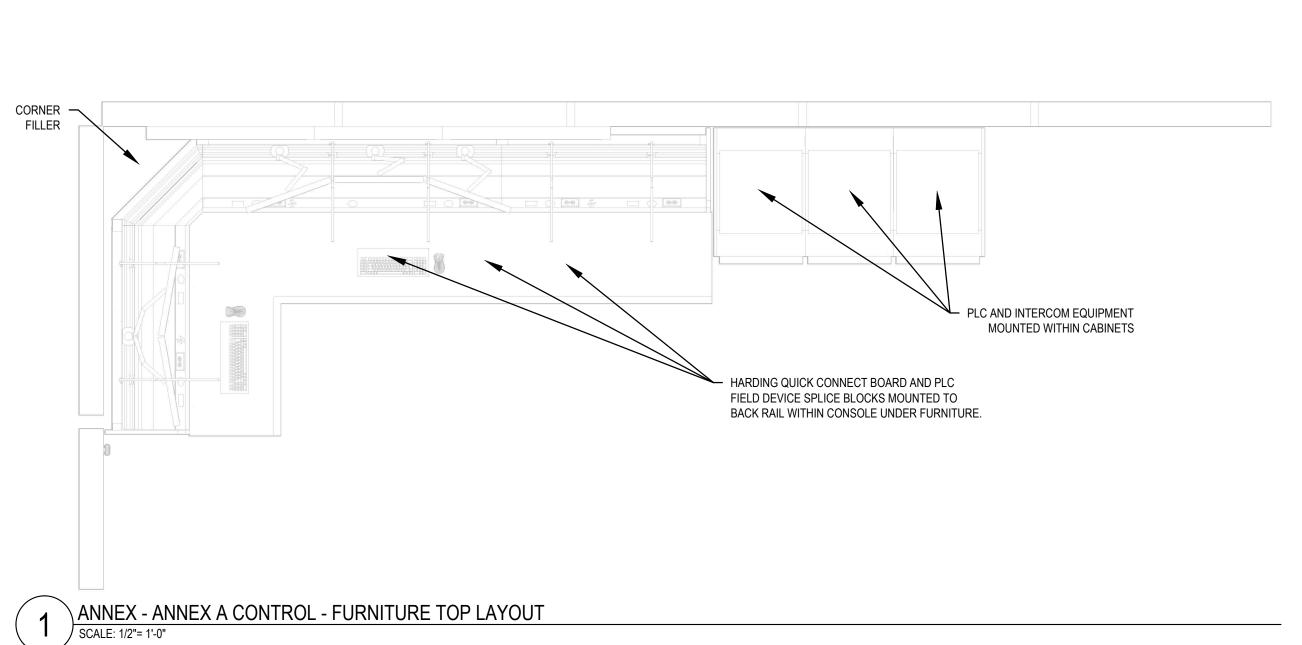
ENLARGEMENTS



PLC AND INTERCOM EQUIPMENT MOUNTED WITHIN CABINETS

HARDING QUICK CONNECT BOARD AND PLC FIELD DEVICE SPLICE BLOCKS MOUNTED TO BACK RAIL

WITHIN CONSOLE UNDER FURNITURE.



ANNEX - ANNEX A CONTROL - FURNITURE ISOMETRIC LAYOUT
SCALE: NS

CONTRACTOR PROVIDED AND INSTALLED WORKSTATION MOUNTED IN DOOR COMPUTER TRAY.

CONTRACTOR SHALL DRESS ALL CABLING INCLUDING OWNER PROVIDED

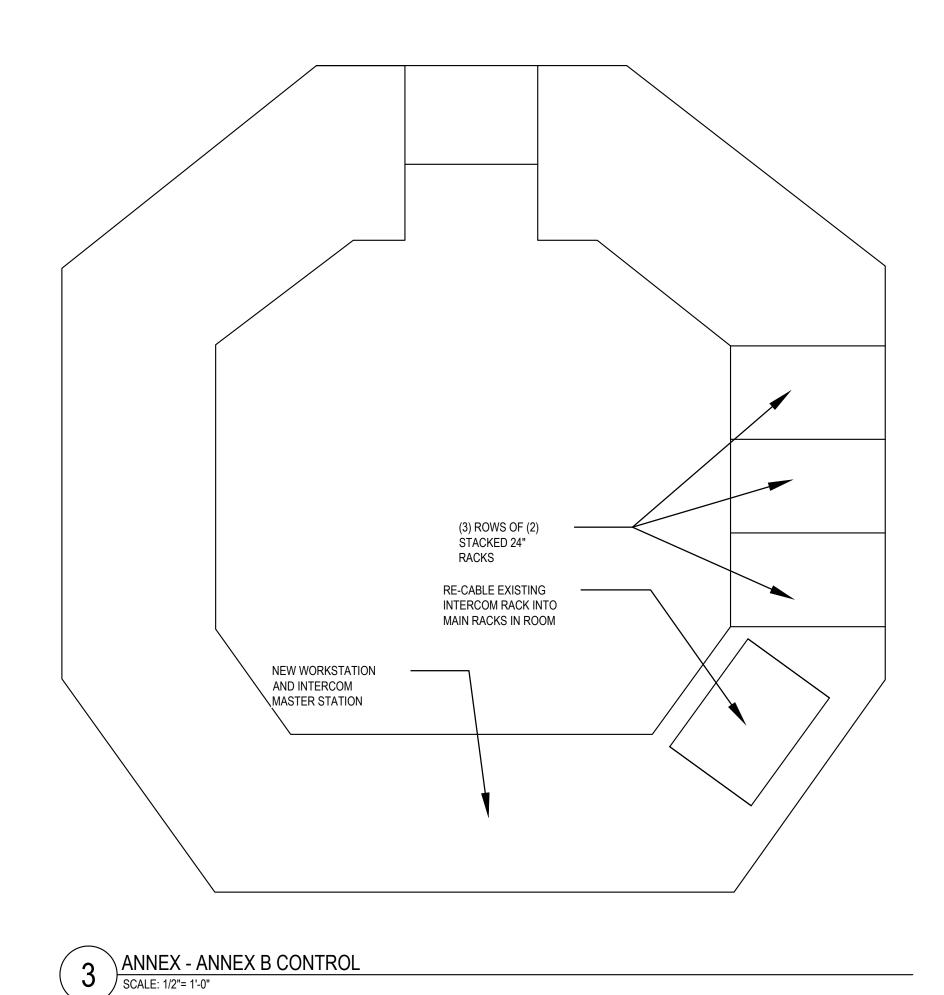
CABLING THROUGH CONSOLE.

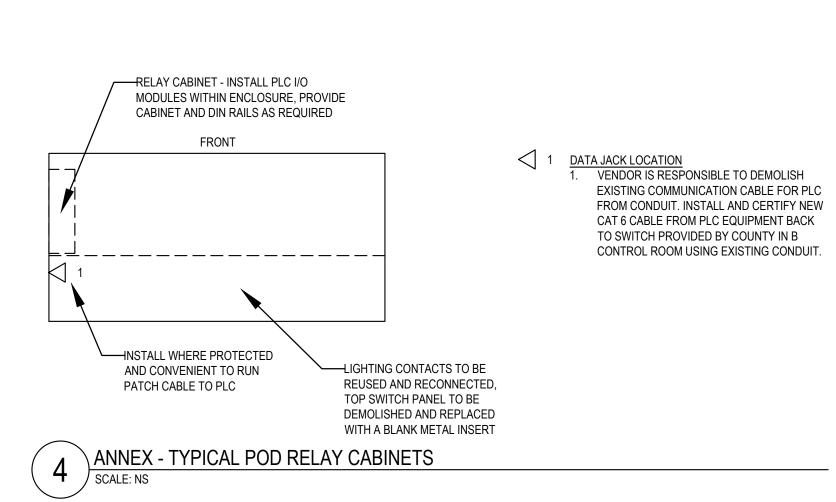
WIRED KEYBOARD AND MOUSE WITH USB EXTENSION TO WORKSTATION.

OWNER PROVIDED AND CONTRACTOR

INSTALLED MONITORS.

EXISTING VIDEO WALL, CONTRACTOR — TO RECONNECT TO OWNER FURNISHED CONTRACTOR INSTALLED WORKSTATIONS.



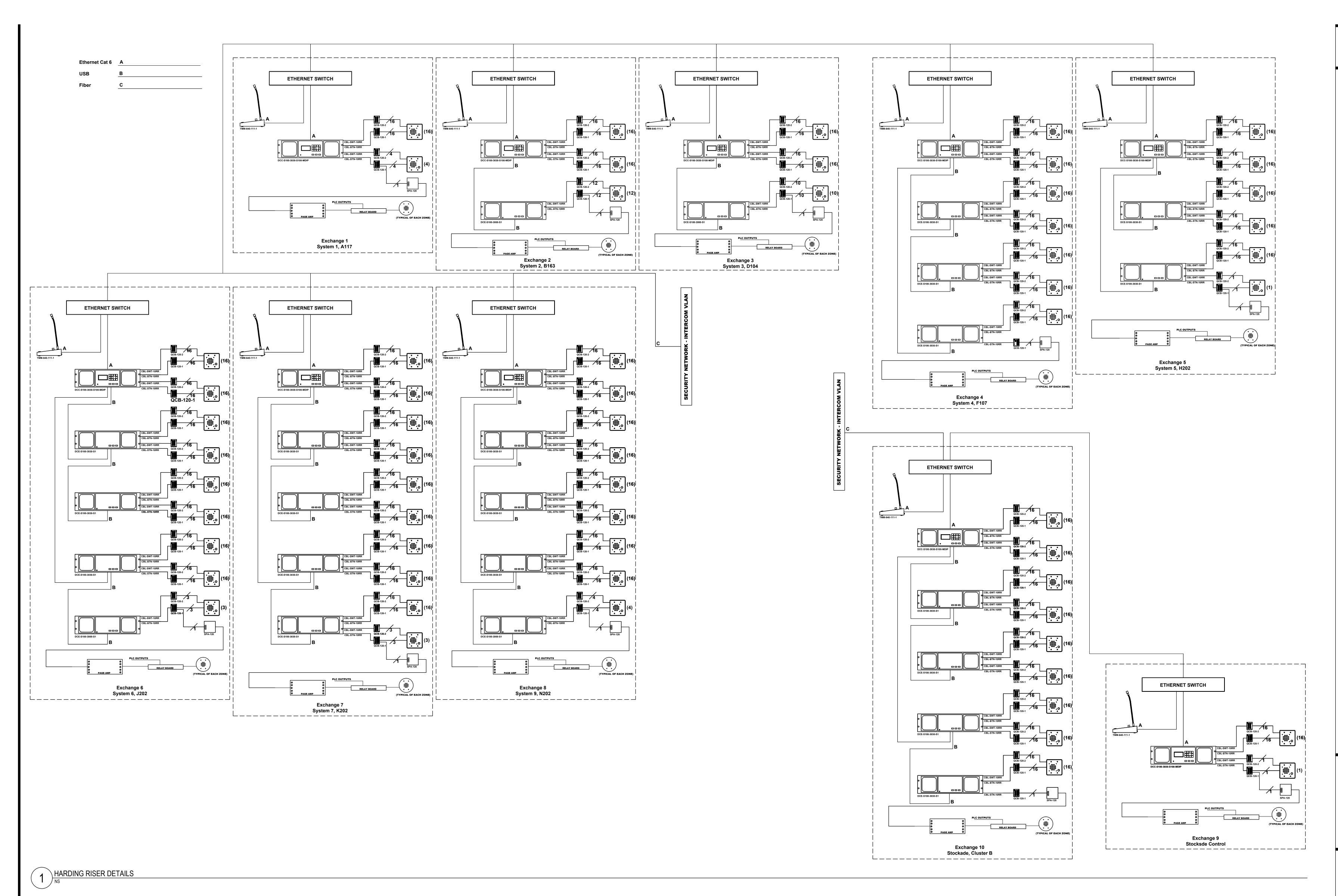


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ENLARGEMENTS
FURNITURE

T4.0.02



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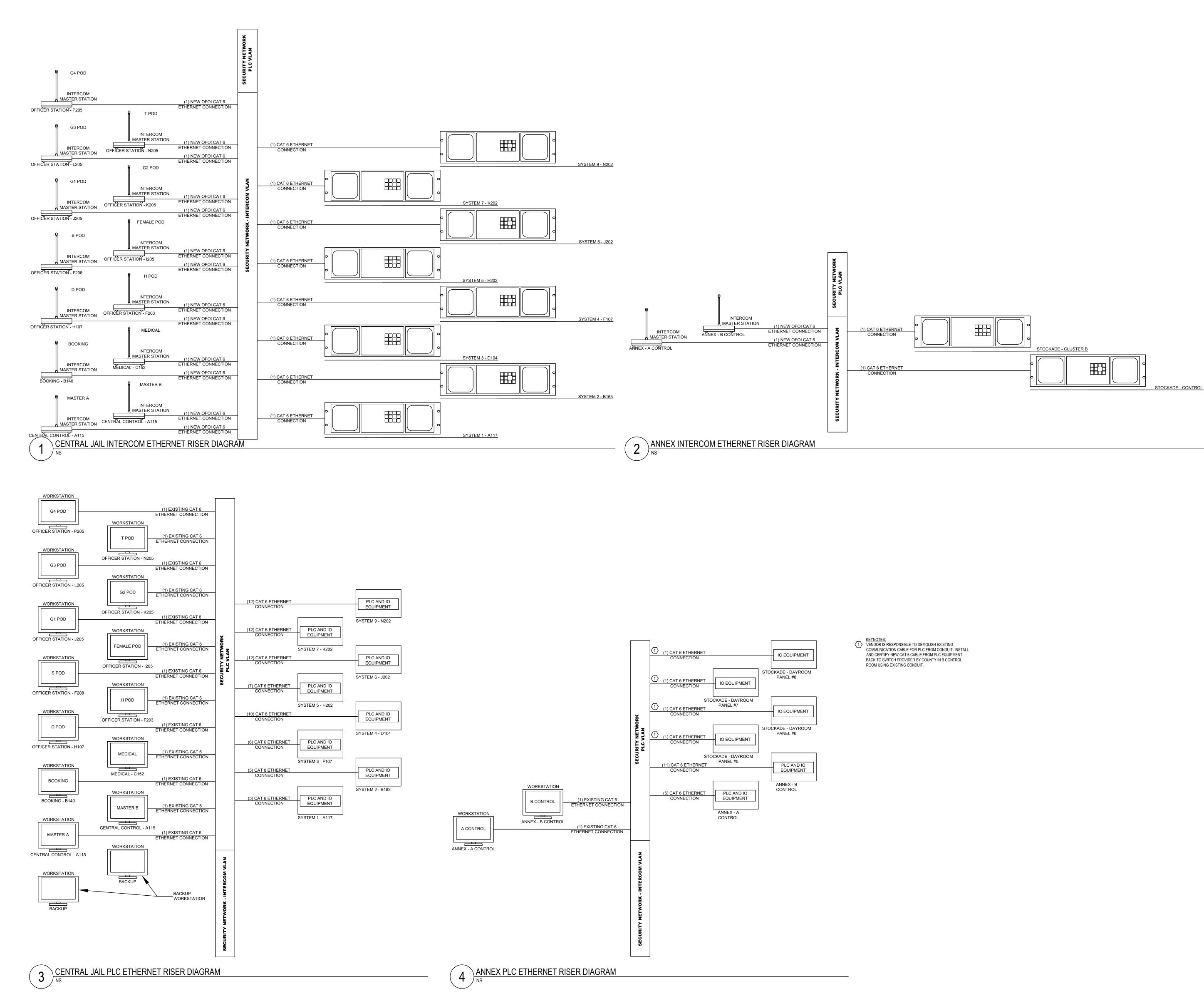
Checked By:

TECHNOLOGY -**DETAILS**

T5.0.01

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GENERAL NOTES:
1. DESIGN DIAGRAMMATIC AND NOT BE BE USED FOR CONSTRUCTION. EXACT PART REQUIREMENTS AND LOCATIONS TO BE FIELD VERIFIED.



GENERAL NOTES:

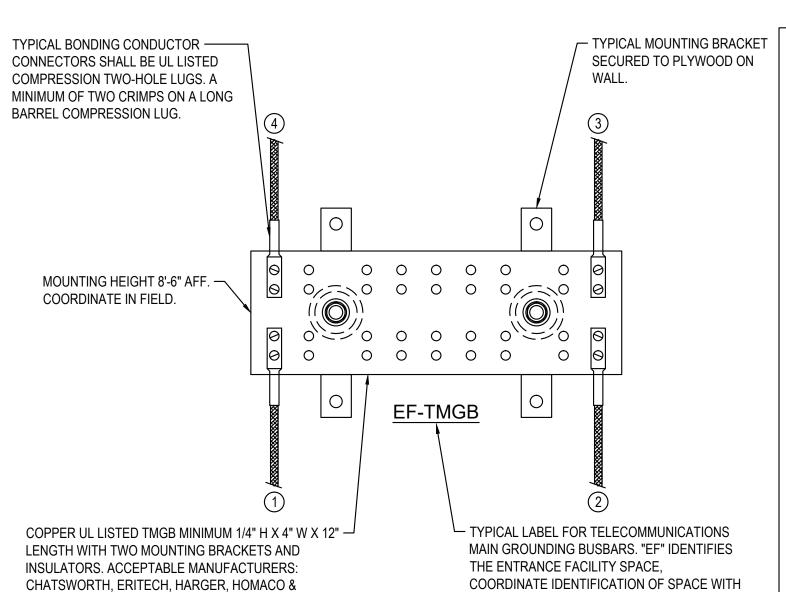
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TECHNOLOGY -DETAILS

T5.0.02



BONDING CONDUCTOR SIZING CHART

OWNER.

LENGTH (FEET)	SIZE (AWG)
LESS THAN (<) 13'	#6
14' - 20'	# 4
21' - 26'	#3
27' - 33'	# 2
34' - 41'	#1
42' - 52'	# 1/0
53' - 66'	# 2/0
GREATER THAN (>) 66'	# 3/0
·	<u> </u>

GROUNDING & BONDING GENERAL NOTES

- ALL TELECOM GROUNDING WORK SHALL BE PROVIDED AND INSTALLED BY STRUCTURED CABLING CONTRACTOR.
- BONDING CONDUCTORS SHALL BE #3/0 AWG COLOR GREEN INSULATED COPPER CONDUCTOR OR SIZED PER "BONDING CONDUCTOR SIZING CHART" (ANSI J-STD-607-B) IN PATHWAY.
- FASTENING BONDING CONNECTOR TWO -HOLE LUGS TO ALL BUSBARS SHALL BE CLEANED AND APPLY A COPPER ANTI-OXIDANT TO THE CONTACT AREA OF BOTH THE CONNECTOR LUG AND THE BUSBAR.
- BONDING CONDUCTORS AND BUSBARS SHALL BE LABELED. WITH IDENTIFICATION IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/TIA/EIA-606-B.
- BONDING CONDUCTORS SHALL BE LABELED WITH IDENTIFICATION LABEL NOTED BELOW AND SECURED WITH CABLE TIE TO EACH CONDUCTOR. (ANSI J-STD-607-B) "IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER".
- STRUCTURED CABLING CONTRACTOR SHALL PERFORM CONTINUITY TESTING MEASUREMENTS OF THE GROUNDING RESISTANCE TO NOT EXCEED 0.1 OHM BETWEEN: A. THE TMGB AND THE NEAREST GROUNDING ELECTRODE. B. THE TGB AND THE NEAREST GROUNDING ELECTRODE. C. EACH TGB AND THE PATHWAY(S), RACK(S), CABINETS(S) AND

APPLICABLE EQUIPMENT.

TYPICAL MOUNTING BRACKET -TYPICAL BONDING CONDUCTOR CONNECTORS SECURED TO PLYWOOD ON SHALL BE UL LISTED COMPRESSION TWO-HOLE LUGS. A MINIMUM OF TWO CRIMPS ON A LONG WALL. BARREL COMPRESSION LUG. 5 4 COPPER UL LISTED TGB MINIMUM 1/4" H X 2" W X — TYPICAL LABEL FOR TELECOMMUNICATIONS 12" LENGTH WITH TWO MOUNTING BRACKETS GROUNDING BUSBARS. "#X" IDENTIFIES THE AND INSULATORS. ACCEPTABLE SPACE, COORDINATE IDENTIFICATION OF

SPACE WITH PLANS AND OWNER.

GROUNDING & BONDING RISER DETAIL NOTES

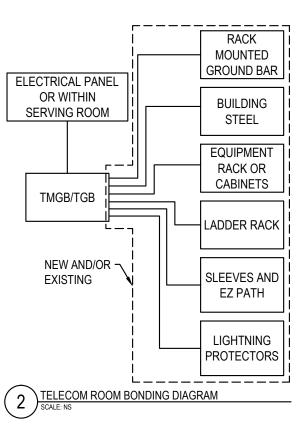
) BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) TO BUILDING GROUNDING ELECTRODE. BCT SHALL NOT BE SMALLER THEN THE TBB.

2) BCT TO NEAREST BUILDING STEEL STRUCTURE. IF APPLICABLE UTILIZED EXOTHERMIC WELDING CONNECTION TO BUILDING STEEL.

3) TELECOMMUNICATIONS BONDING BACKBONE (TBB) FOR GROUNDING EQUIALIZER (GE), IF APPLICABLE.

(4) TYPICAL TBB(S) THAT INTERCONNECTS ALL TGB(S) WITH THE TMGB.

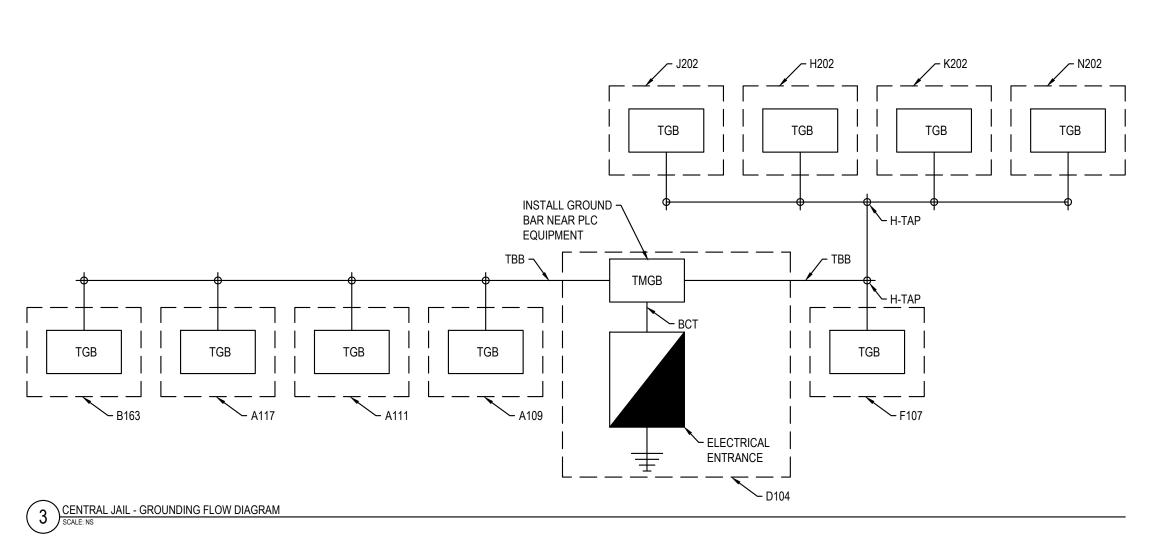
5) BCT TO TELECOMMUNICATIONS CABLE RUNWAYS(S), RACK(S), CABINET(S) AND APPLICABLE EQUIPMENT. DAISY CHAINING OF BCT AT RELAY RACKS IS NOT ACCEPTABLE. EACH RACK IS TO HAVE A BCT TO A COMPRESSION LUG TAP TO DEDICATED HOMERUN ACT BACK TO THE TGB. SEE DETAILS.

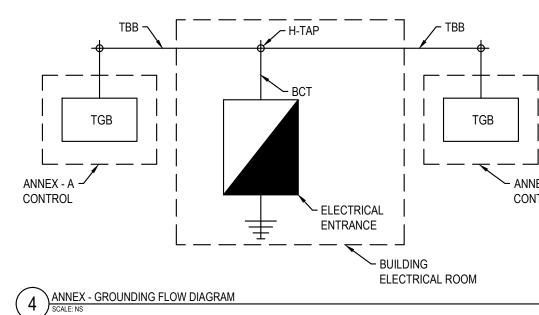


CHATSWORTH, ERITECH, HARGER, HOMACO &

COMPRESSION TWO-HOLE LUGS.

PANDUIT. UTILIZE BUSBAR MANUFACTURER FOR



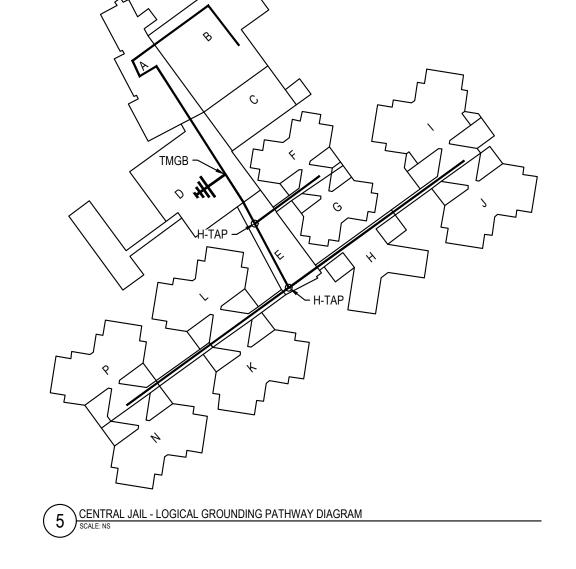


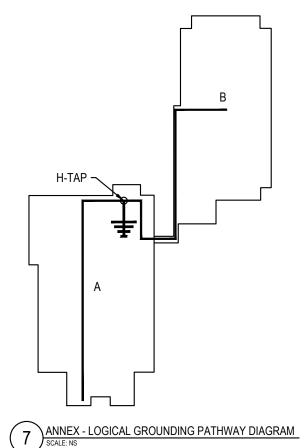
MANUFACTURERS: CHATSWORTH, ERITECH,

LUGS.

HARGER, HOMACO & PANDUIT. UTILIZE BUSBAR

MANUFACTURER FOR COMPRESSION TWO-HOLE





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TECHNOLOGY -**DETAILS**

T5.0.03