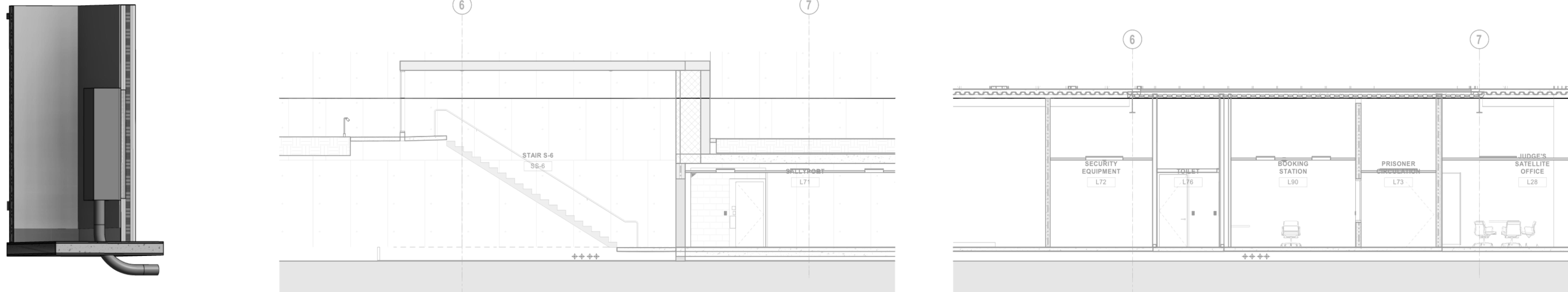


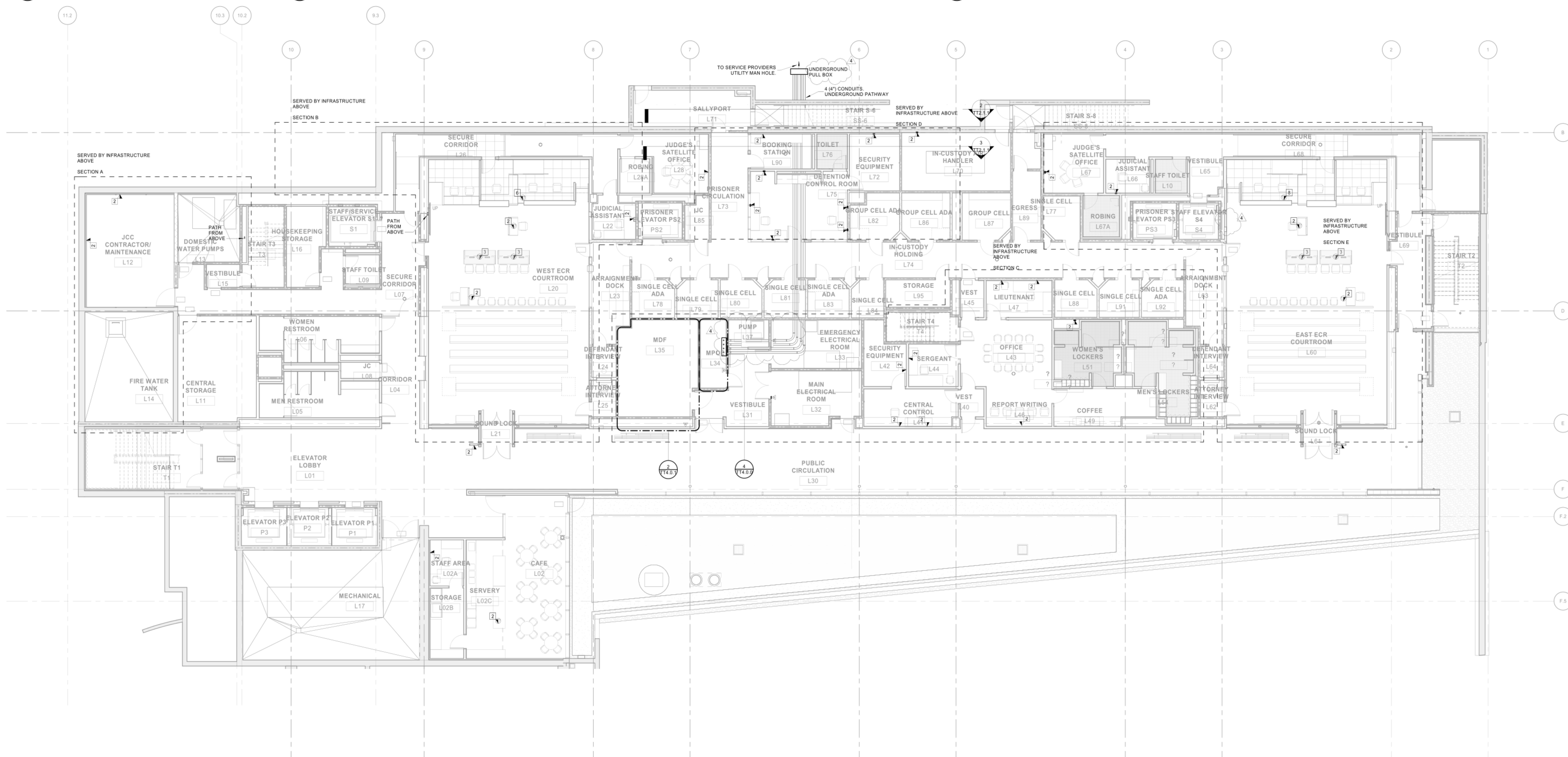
GENERAL NOTES		ABBREVIATIONS	TELECOM SYMBOLS - OUTLETS	CONDUITS PATHWAYS AND ENCLOSURES	DRAWING LIST																																												
<p>1. TELECOMMUNICATIONS ROOM DIMENSIONS ON THE DRAWINGS HAVE BEEN TAKEN FROM ARCHITECTURAL DRAWINGS. THE SCALE OF THESE DRAWINGS ARE SUFFICIENTLY ACCURATE FOR DETERMINING THE LOCATION OF TELECOMMUNICATIONS INFRASTRUCTURE COMPONENTS, JUNCTION BOXES, OUTLET BOXES, WIREWAYS, PANELS, ETC. WHERE EXACT DIMENSIONS ARE INDICATED, THE REFERENCE SURFACE SHALL BE THE FINAL FINISHED SURFACE INCLUDING ANY ACOUSTICAL TREATMENT.</p> <p>2. ALL DIMENSIONS MUST BE VERIFIED IN THE FIELD AND ANY DEVIATIONS CAUSING CHANGES EXCEEDING 6 INCHES TO THE INTENDED LOCATION OF MAJOR TELECOMMUNICATIONS INFRASTRUCTURE COMPONENTS MUST BE COORDINATED WITH THE ARCHITECT AND DESIGNER PRIOR TO INSTALLATION.</p> <p>3. ANY DEVICE HEIGHT DIMENSIONS SHOWN ARE SUGGESTED PLACEMENTS AND ARE PROVIDED FOR INFORMATION AND COORDINATION ONLY. COORDINATE ALL ELECTRICAL DEVICES AND DIMENSIONED LOCATIONS WITH PROJECT DRAWINGS.</p> <p>4. EXACT MOUNTING LOCATIONS AND HEIGHTS ARE FIELD COORDINATION ISSUES. CONTRACTOR TO COORDINATE WITH EXISTING CONDITIONS ON SITE TO PROVIDE THE MOST AESTHETIC APPEARANCE AND ALIGNMENT WITH NEARBY DEVICES.</p> <p>5. ALL TELECOMMUNICATIONS DEVICES SHALL BE SECURELY MOUNTED PLUMB AND STRAIGHT TO WALLS, FLOORS, OR RACKS. PER THE MANUFACTURER'S RECOMMENDED MOUNTING PRACTICE, UNLESS OTHERWISE INDICATED IN THE TELECOMMUNICATIONS DRAWINGS.</p> <p>6. ALL CABLES SHALL BE RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.</p> <p>7. INSTALL FIRESTOP ASSEMBLIES IN ALL THROUGH-SLAB AND THROUGH-WALL PENETRATIONS FOR THE INSTALLATION OF TELECOMMUNICATIONS CABLES AS REQUIRED TO MAINTAIN FIRE RATING OF PENETRATED SLAB OR WALL. REVIEW DRAWINGS FOR PARTITION TYPE RATINGS. FIRESTOPPING SYSTEMS USED FOR ALL PENETRATIONS SHALL BE A UL LISTED ASSEMBLY AND APPROVED BY APPLICABLE AUTHORITIES HAVING JURISDICTION PRIOR TO INSTALLATION.</p> <p>8. THE METHOD OF INSTALLATION FOR ALL TELECOMMUNICATIONS RELATED BACKBOXES IN WALLS AND THE METHOD FOR PASSAGE OF CONDUIT AND WIREWAYS THROUGH ACOUSTICALLY SENSITIVE WALLS SHALL BE COORDINATED WITH THE ACOUSTICAL CONSULTANT OR OWNER PRIOR TO INSTALLATION.</p> <p>9. REFER TO DIVISION 27 SPECIFICATIONS FOR INSTALLATION REQUIREMENTS RELATED TO FLOORBOXES, JUNCTION BOXES, BONDING CONDUCTORS, BUSBARS, CONDUITS, CABLE TRAYS IN CORRIDORS, METALLIC ENCLOSURES; U.O.N.</p> <p>10. ELECTRICAL FEEDS ARE NOT TO BE RUN PARALLEL WITH VIDEO, AUDIO, OR TELECOMMUNICATIONS CABLING SEGMENTS OR RACEWAYS. IF ELECTRICAL FEEDS MUST BE RUN PARALLEL, A MINIMUM OF 0'-0" OF SEPARATION SHALL BE MAINTAINED.</p> <p>11. POWER RECEPTACLES SHOWN ON TELECOMMUNICATIONS DRAWINGS ARE DEDICATED TO SPECIFIC TELECOMMUNICATIONS EQUIPMENT AND ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR ENGINEERED ELECTRICAL SYSTEM AND ADDITIONAL UTILITY POWER RECEPTACLES.</p> <p>12. BOND ALL CONDUITS, CABLE TRAYS, AND JUNCTION BOXES PER J-STD-607-A IN ADDITION TO ANY APPLICABLE CODE REQUIREMENTS.</p> <p>13. ALL TELECOMMUNICATIONS RELATED FLOREROSES, POKE THRU DEVICES, JUNCTION BOXES AND BACK BOXES SHOULD BE PROVIDED WITH AN EMPTY CONDUIT TO THE APPLICABLE TELECOM ROOM, TELECOM CABLE TRAY PATHWAY, PULL BOX OR ACCEPTABLE SPACE.</p> <p>14. CONDUIT ROUTES ON THE TELECOM DRAWINGS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS AND APPROXIMATE ROUTES. THE EXACT ROUTE OF CONDUIT PATHWAYS ARE DETERMINED BY FIELD CONDITIONS AND VERIFIED BY INSTALLING CONTRACTOR.</p> <p>15. CABLE TRAY PATHWAYS ON THE TELECOM DRAWINGS SHOW ONLY APPROXIMATE ROUTES. THE EXACT ROUTE OF CABLE TRAY PATHWAYS ARE TO BE DETERMINED AND VERIFIED BY CONTRACTOR AND FIELD CONDITIONS.</p> <p>16. NOTIFY THE OWNER OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE TECHNOLOGY DRAWINGS. OBTAIN CLARIFICATION BEFORE PROCEEDING WITH WORK.</p> <p>17. THE FINISHES FOR ALL TECHNOLOGY COMPONENTS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT.</p> <p>18. IT SHALL BE THE RESPONSIBILITY OF THE TELECOMMUNICATIONS CONTRACTOR TO VERIFY SIGNAL/CONDUIT PATHWAYS WITH THE ELECTRICAL DRAWINGS.</p> <p>19. AUDIO/VISUAL AND SECURITY OUTLET DETAILS ARE PROVIDED IN THEIR RESPECTIVE DRAWING SETS. REFER TO DETAILS IN THOSE DRAWINGS FOR HEIGHT AND LOCATION DETAILS FOR AV AND SECURITY OUTLETS.</p> <p>20. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR TO VERIFY THE APPLICABLE CODE VERSIONS FOR ALL WORK WITH THE AUTHORITY HAVING JURISDICTION (AHJ).</p>	<p>AFC ABOVE FINISHED CEILING AFF ABOVE FINISHED FLOOR AHJ AUTHORITY HAVING JURISDICTION</p> <p>BAS BUILDING AUTOMATED SYSTEMS BMS BUILDING MANAGEMENT SYSTEMS BDF BUILDING DISTRIBUTION FACILITY/FRAME</p> <p>C CONDUIT</p> <p>CATV COMMUNITY ANTENNA TELEVISION CCTV CLOSED CIRCUIT TELEVISION CP CONSOLIDATION POINT</p> <p>DIM DIMENSION DWG DRAWING</p> <p>EC EMPTY CONDUIT (E) EXIST/EXISTING</p> <p>GND GROUND</p> <p>HT HEIGHT/HIGH</p> <p>ID INSIDE DIAMETER IDF INTERMEDIATE DISTRIBUTION FACILITY/FRAME</p> <p>LOMMF LASER OPTIMIZED MULTIMODE FIBER</p> <p>MDF MAIN DISTRIBUTION FACILITY/FRAME MH MANHOLE MMF MULTIMODE MPOE MINIMUM POINT OF ENTRY</p> <p>NIC NOT IN CONTRACT NTS NOT TO SCALE</p> <p>OC ON CENTER OD OUTSIDE DIAMETER OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OFE OWNER FURNISHED EQUIPMENT OFOU OWNER FURNISHED OWNER INSTALLED OSP OUTSIDE PLANT CABLE</p> <p>PB PULLBOX PR PAIR</p> <p>REQ REQUIREMENT RM ROOM</p> <p>SMF SINGLE-MODE FIBER (ZERO WATER PEAK)</p> <p>TGB TELECOMMUNICATIONS GROUNDING BUSBAR TMGB TELECOMMUNICATIONS MAIN GROUNDING BUSBAR TSEI TELECOMMUNICATIONS SERVICE ENTRANCE ROOM TS-ID TELECOMMUNICATIONS SPACE-IDENTIFICATION</p> <p>UPS UNINTERUPPTIBLE POWER SUPPLY UTP UNSHIELDED TWISTED PAIR UON UNLESS OTHERWISE NOTED</p> <p>VIF VERIFY IN FIELD</p> <p>WAP WIRELESS ACCESS POINT WP WEATHERPROOF</p> <p>ZDF ZONE DISTRIBUTION FACILITY/FRAME</p>	<p>WALL OUTLET. "X" DESIGNATES THE NUMBER OF 4-PAIR CABLES</p> <p>WALL PHONE OUTLET. (1) 4-PAIR CABLE</p> <p>STACKED WALL PHONE WITH VOICE &amp; DATA OUTLET</p> <p>WIRELESS ACCESS POINT. (2) 4-PAIR CABLE</p> <p>CEILING MOUNTED WIRELESS ACCESS POINT. (2) 4-PAIR CABLE</p> <p>FLOOR BOX OUTLET</p> <p>FLOOR POKE THRU OUTLET</p> <p>ELEVATOR CONTROL DATA DROP</p> <p><b>MOUNTING INSTRUCTIONS</b></p> <p>TO COMPLY WITH CALIFORNIA BUILDING CODE 11B-308 +48" MAX TO TOP OF BOX +15" MIN TO BOTTOM OF BOX</p> <p>FOR DEVICES MOUNTED OVER OBSTRUCTIONS: TO COMPLY WITH CALIFORNIA CODE 11B-308.2.2 - 44" MAXIMUM TO TOP OF BOX AT LOCATIONS WHERE FORWARD APPROACH IS PROVIDED WHERE DEPTH EXCEEDS 20"</p> <p>TO COMPLY WITH CALIFORNIA CODE 11B-308.3.2 - 46" MAXIMUM TO TOP OF BOX AT LOCATIONS WHERE PARALLEL APPROACH IS PROVIDED WHERE DEPTH EXCEEDS 10"</p>	<p>1. GENERAL REQUIREMENTS:</p> <p>a. REQUIREMENTS FOR CONDUITS AND BACK BOXES IN SPECIFICATION 27 05 33 COMMUNICATION CONDUITS AND BOXES SHALL BE FOLLOWED.</p> <p>PULL BOX SIZING GUIDE</p> <table border="1"> <thead> <tr> <th>CONDUIT TRADE SIZE (in.)</th> <th>PULL BOX WIDTH (in.)</th> <th>PULL BOX LENGTH (in.)</th> <th>PULL BOX DEPTH (in.)</th> <th>PULL BOX W/ INCREASE FOR ADDITIONAL CONDUIT (in.)</th> </tr> </thead> <tbody> <tr><td>1</td><td>4</td><td>16</td><td>3</td><td>2</td></tr> <tr><td>1 1/4</td><td>6</td><td>20</td><td>3</td><td>3</td></tr> <tr><td>1 1/2</td><td>8</td><td>27</td><td>4</td><td>4</td></tr> <tr><td>2</td><td>8</td><td>36</td><td>4</td><td>5</td></tr> <tr><td>2 1/2</td><td>10</td><td>42</td><td>5</td><td>6</td></tr> <tr><td>3</td><td>12</td><td>48</td><td>5</td><td>6</td></tr> <tr><td>3 1/2</td><td>12</td><td>54</td><td>6</td><td>6</td></tr> <tr><td>4</td><td>15</td><td>60</td><td>8</td><td>8</td></tr> </tbody> </table>	CONDUIT TRADE SIZE (in.)	PULL BOX WIDTH (in.)	PULL BOX LENGTH (in.)	PULL BOX DEPTH (in.)	PULL BOX W/ INCREASE FOR ADDITIONAL CONDUIT (in.)	1	4	16	3	2	1 1/4	6	20	3	3	1 1/2	8	27	4	4	2	8	36	4	5	2 1/2	10	42	5	6	3	12	48	5	6	3 1/2	12	54	6	6	4	15	60	8	8	<p>TT0.0 TELECOM GENERAL NOTES, ABBREVIATIONS, SYMBOLS &amp; DRAWING LIST</p> <p>TT2.1 TELECOM FLOOR PLAN - LOWER LEVEL</p> <p>TT2.2 TELECOM FLOOR PLAN - LEVEL 1</p> <p>TT2.3 TELECOM FLOOR PLAN - LEVEL 2</p> <p>TT2.4 TELECOM FLOOR PLAN - LEVEL 3</p> <p>TT2.5 TELECOM FLOOR PLAN - LEVEL 4</p> <p>TT2.6 TELECOM FLOOR PLAN - LEVEL 5</p> <p>TT2.7 TELECOM FLOOR PLAN - LEVEL 6</p> <p>TT2.8 TELECOM MECHANICAL ROOF PLAN</p> <p>TT3.1 TELECOM REFLECTED CEILING PLAN - LOWER LEVEL</p> <p>TT3.2 TELECOM REFLECTED CEILING PLAN - LEVEL 1</p> <p>TT3.3 TELECOM REFLECTED CEILING PLAN - LEVEL 2</p> <p>TT3.4 TELECOM REFLECTED CEILING PLAN - LEVEL 3</p> <p>TT3.5 TELECOM REFLECTED CEILING PLAN - LEVEL 4</p> <p>TT3.6 TELECOM REFLECTED CEILING PLAN - LEVEL 5</p> <p>TT3.7 TELECOM REFLECTED CEILING PLAN - LEVEL 6</p> <p>TT4.0 TELECOM MPOE-L34 ENLARGED PLANS &amp; ELEVATIONS</p> <p>TT4.0.1 TELECOM MDF-L35 ENLARGED PLANS &amp; ELEVATIONS</p> <p>TT4.0.2 TELECOM IDF-165 / STORAGE/TECH-184 ENLARGED PLANS &amp; ELEVATIONS</p> <p>TT4.0.3 TELECOM IDF-217 ENLARGED PLANS &amp; ELEVATIONS</p> <p>TT4.0.4 TELECOM IDF-317 ENLARGED PLANS &amp; ELEVATIONS</p> <p>TT4.0.5 TELECOM IDF-418 ENLARGED PLANS &amp; ELEVATIONS</p> <p>TT4.0.6 TELECOM IDF-518 ENLARGED PLANS &amp; ELEVATIONS</p> <p>TT4.0.7 TELECOM IDF-618 ENLARGED PLANS &amp; ELEVATIONS</p> <p>TT6.0 TELECOM BACKBONE CONDUIT RISER DIAGRAM</p> <p>TT6.0.1 TELECOM CONNECTIVITY - BACKBONE CABLING RISER DIAGRAM</p> <p>TT6.0.2 TELECOM CONNECTIVITY - DAS CABLING RISER DIAGRAM</p> <p>TT6.0.3 TELECOM BONDING &amp; GROUNDBOND RISER DIAGRAM</p> <p>TT7.0 TELECOM DETAILS</p> <p>TT7.0.1 TELECOM DETAILS</p> <p>TT7.0.2 TELECOM DETAILS</p>
CONDUIT TRADE SIZE (in.)	PULL BOX WIDTH (in.)	PULL BOX LENGTH (in.)	PULL BOX DEPTH (in.)	PULL BOX W/ INCREASE FOR ADDITIONAL CONDUIT (in.)																																													
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3	12	48	5	6																																													
3 1/2	12	54	6	6																																													
4	15	60	8	8																																													



4 MPOE PULL BOX 3D  
SCALE

2 TELECOM SECTION LOWER LEVEL - MPOE CONDUIT ROUTING EXTERIOR  
SCALE 1/4" = 1'-0"

**3 TELECOM SECTION LOWER LEVEL - MPOE CONDUIT ROUTING INTERIOR**



1 TELECOM FLOOR PLAN - LOWER LEVEL  
SCALE 1/8" = 1'-0"

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
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## TELECOM FLOOR PLAN - LOWER LEVEL

TT2.1.1



① TELECOM FLOOR PLAN - LEVEL 1  
SCALE: 1/8" = 1'-0"

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
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
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TELECOM FLOOR PLAN -  
LEVEL 1  
DATE: 01/06/16  
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1 TELECOM FLOOR PLAN - LEVEL 2  
SCALE 1/8" = 1'-0"

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
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TELECOM FLOOR PLAN -  
LEVEL 2

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**1 TELECOM FLOOR PLAN - LEVEL 2**  
SCALE 1/8" = 1'-0"

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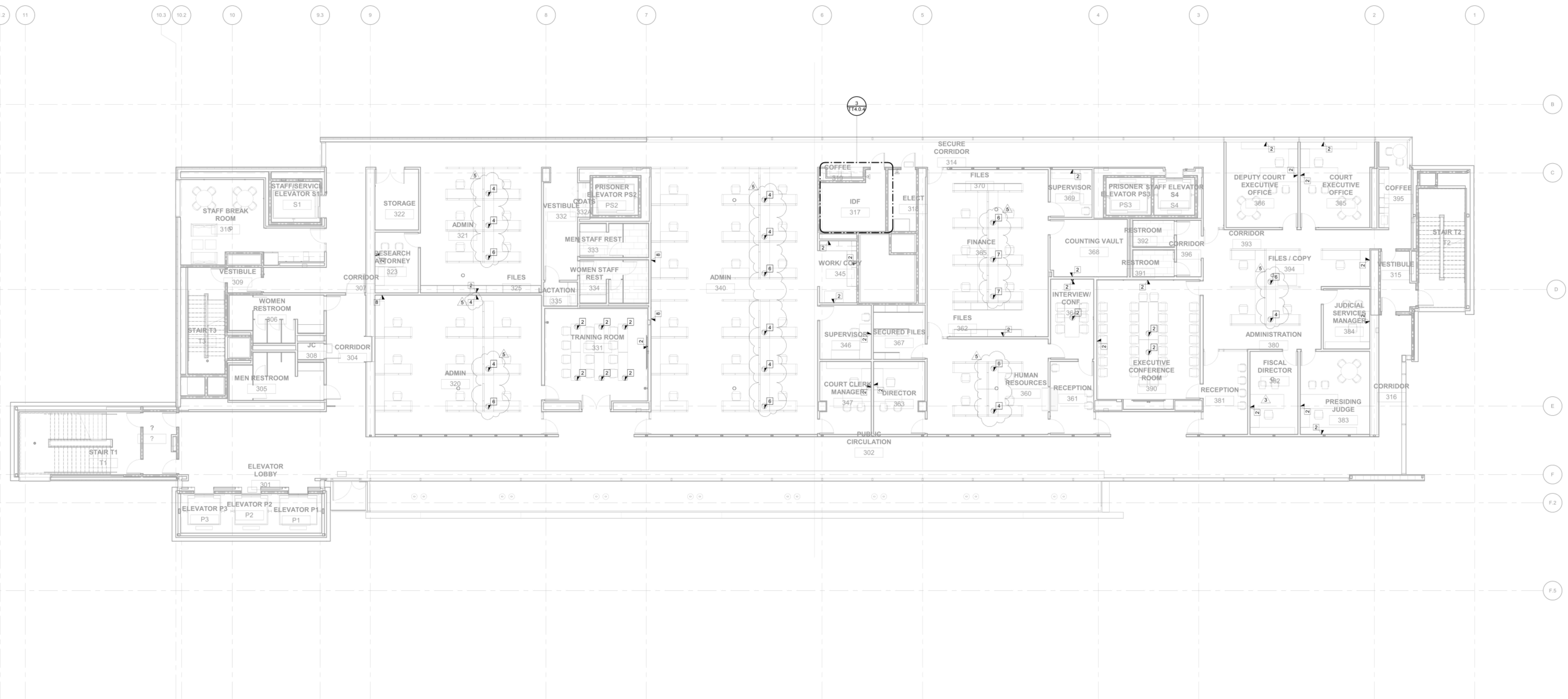
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## **TELECOM FLOOR PLAN - LEVEL 2**

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TT2 13



1 TELECOM OVERALL FLOOR PLAN - LEVEL 3  
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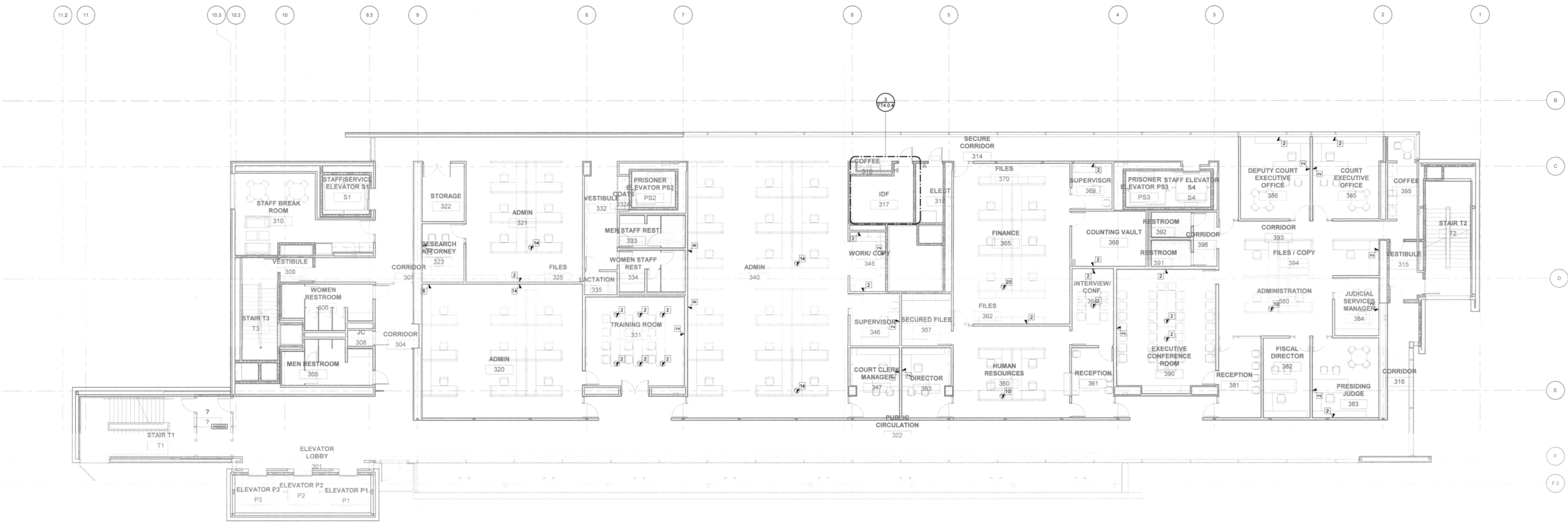
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LEVEL 3

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RMLA Project No. 09110



1 TELECOM OVERALL FLOOR PLAN - LEVEL 3  
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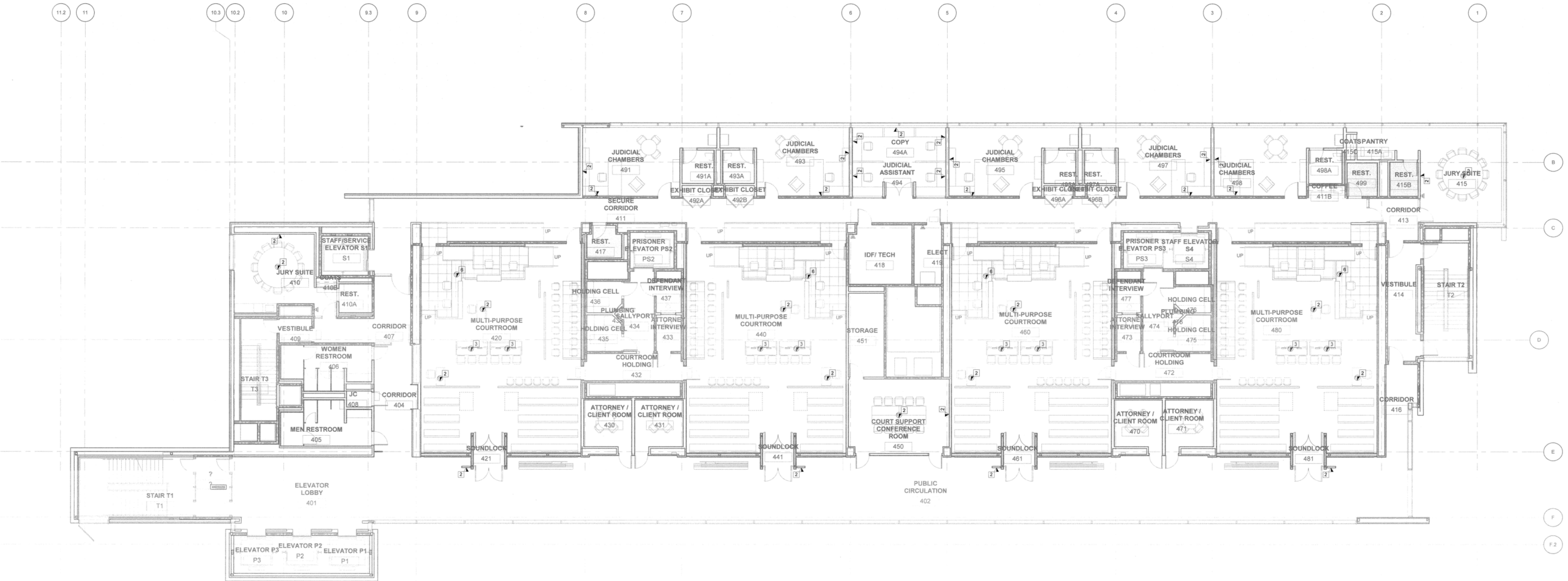
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## **TELECOM FLOOR PLAN - LEVEL 3**

DATE \_\_\_\_\_ SUBJECT \_\_\_\_\_

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1 TELECOM FLOOR PLAN - LEVEL 4  
SCALE 1/8" = 1'-0"

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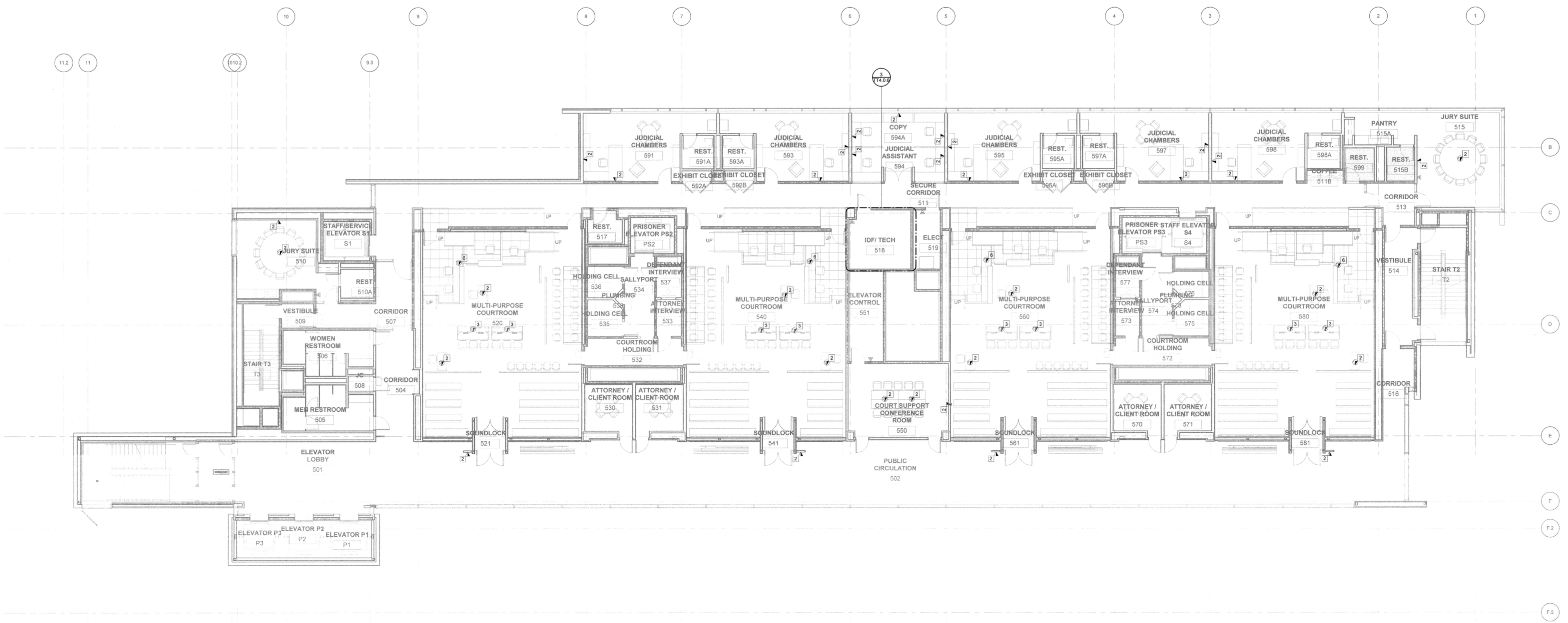
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TELECOM FLOOR PLAN -  
LEVEL 4

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SCALE: 1/8" = 1'-0"  
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TT2.1.5



1 TELECOM FLOOR PLAN - LEVEL 5  
SCALE 1/8" = 1'-0"

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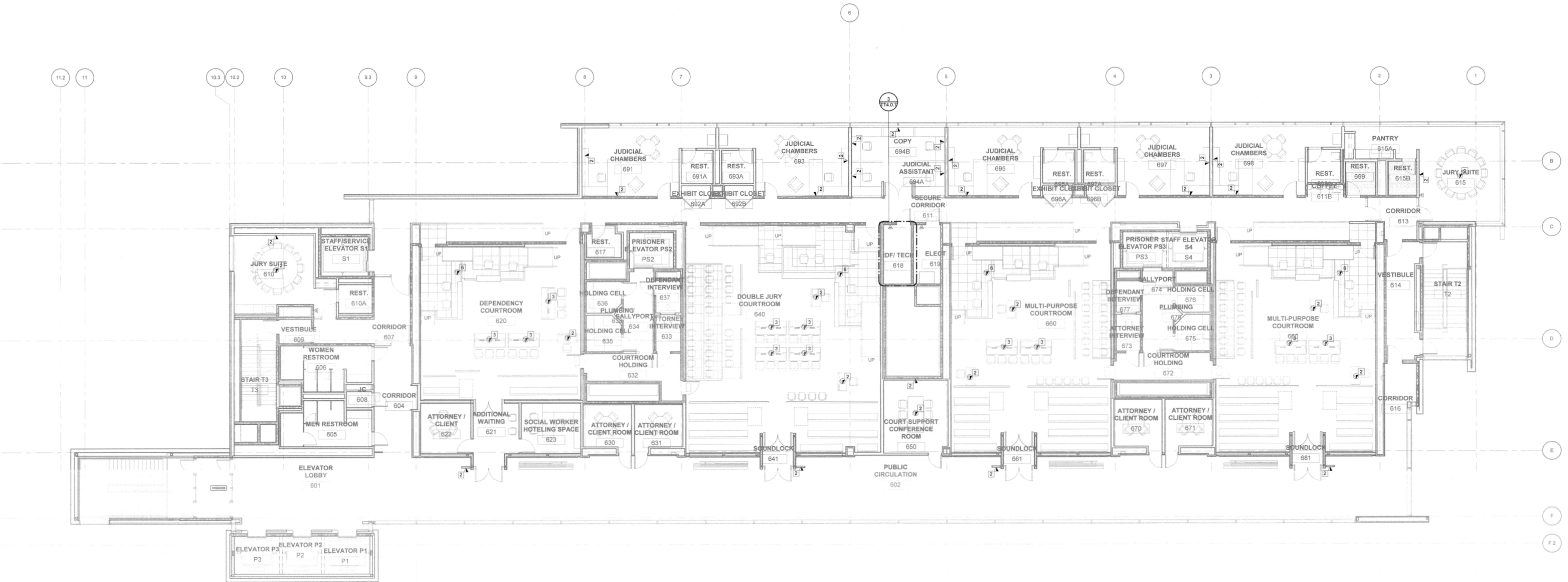
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**Santa Rosa Criminal  
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## ELECOM FLOOR PLAN - EVEI 5

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5' 0"



① TELECOM OVERALL FLOOR PLAN - LEVEL 6  
SCALE 1/8" = 1'-0"

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RMPLA Project No. 09110

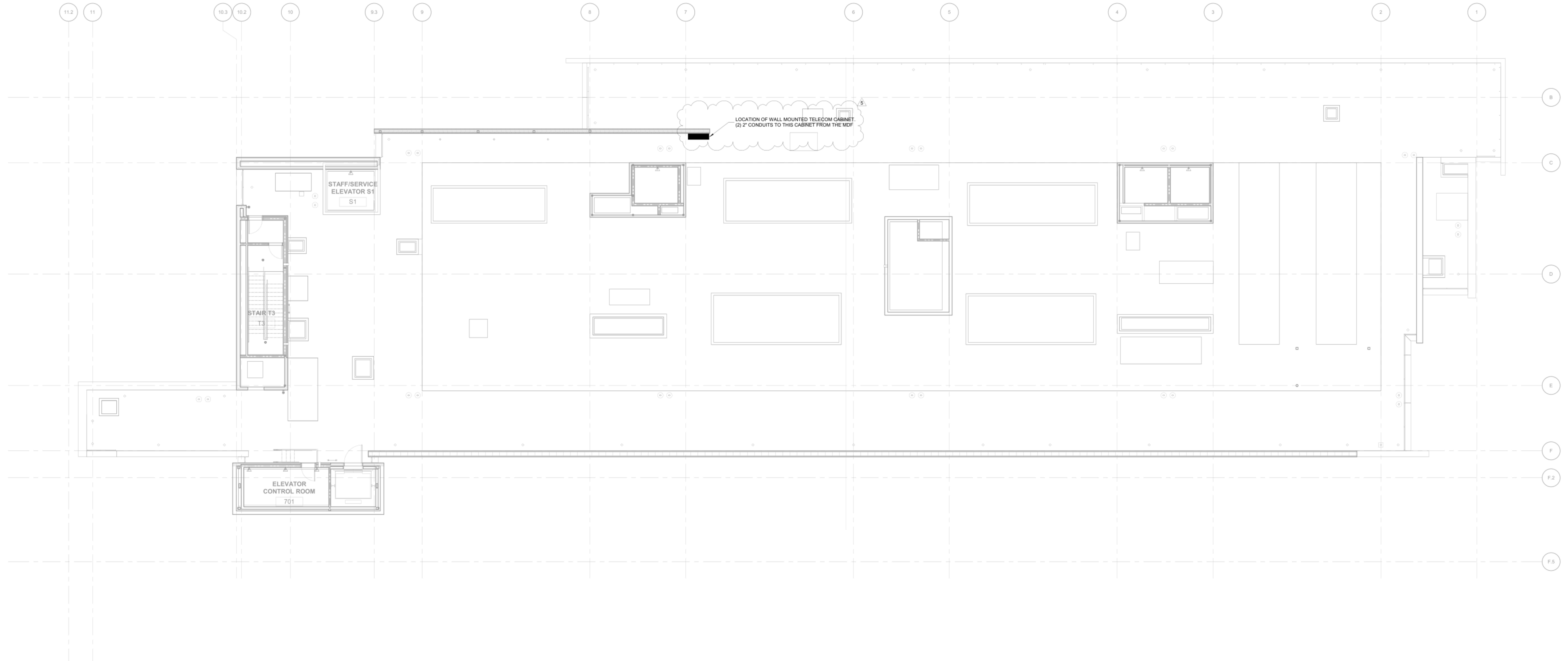
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CODE COMPLIANCE  
Sep 11, 2020

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LEVEL 6

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① TELECOM FLOOR PLAN - MECHANICAL ROOF LEVEL  
SCALE 1/8" = 1'-0"

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
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Courthouse  
2685 Ventura Avenue  
Santa Rosa, CA 95403


TELECOM MECHANICAL  
ROOF PLAN

DATE: 01/13/16  
SCALE: 1/8" = 1'-0"  
DRAWN BY: DB  
CHECKED BY: RSA

RMLA Project No. 09110

TT2.1.8





1 TELECOM REFLECTED CEILING PLAN - LEVEL 1  
SCALE 1/8" = 1'-0"

PRINTED ON: 12/8/2020 3:23:52 PM  
GENERAL NOTES:

**WALKER**  
TELECOMM, INC.

Phone: 530-652-4169 | Fax: 530-641-1258

Headquarters: 412 Main Street  
Sacramento Area: 1995 Highway 65  
Wheatland, CA 95692 Wheatland, CA 95692

Bay Area: 835 Arnold Drive  
Suite #104/Bay 1


Nevada: 8521 White Fir Street  
Unit C1-A  
Martinez, CA 94553  
Reno, NV 89523

Santa Rosa Criminal  
Courthouse  
2685 Ventura Avenue  
Santa Rosa, CA 95403

TELECOM REFLECTED  
CEILING PLAN - LEVEL 1  
DATE: 03/17/16  
SCALE: 1/8" = 1'-0"  
DRAWN BY: DB  
CHECKED BY: RBA

RMPLA Project No. 09110

TT3.1.2



1 TELECOM REFLECTED CEILING PLAN - LEVEL 2  
SCALE 1/8" = 1'-0"

PRINTED ON: 04/2020 11:01:51 AM  
GENERAL NOTES:



Phone: 530-652-4169 | Fax: 530-641-1258

Headquarters: 412 Main Street  
Wheatland, CA 95692

Sacramento Area:  
1995 Highway 65  
Wheatland, CA 95692

Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

Nevada:  
8521 White Fir Street  
Unit C1-A  
Reno, NV 89523

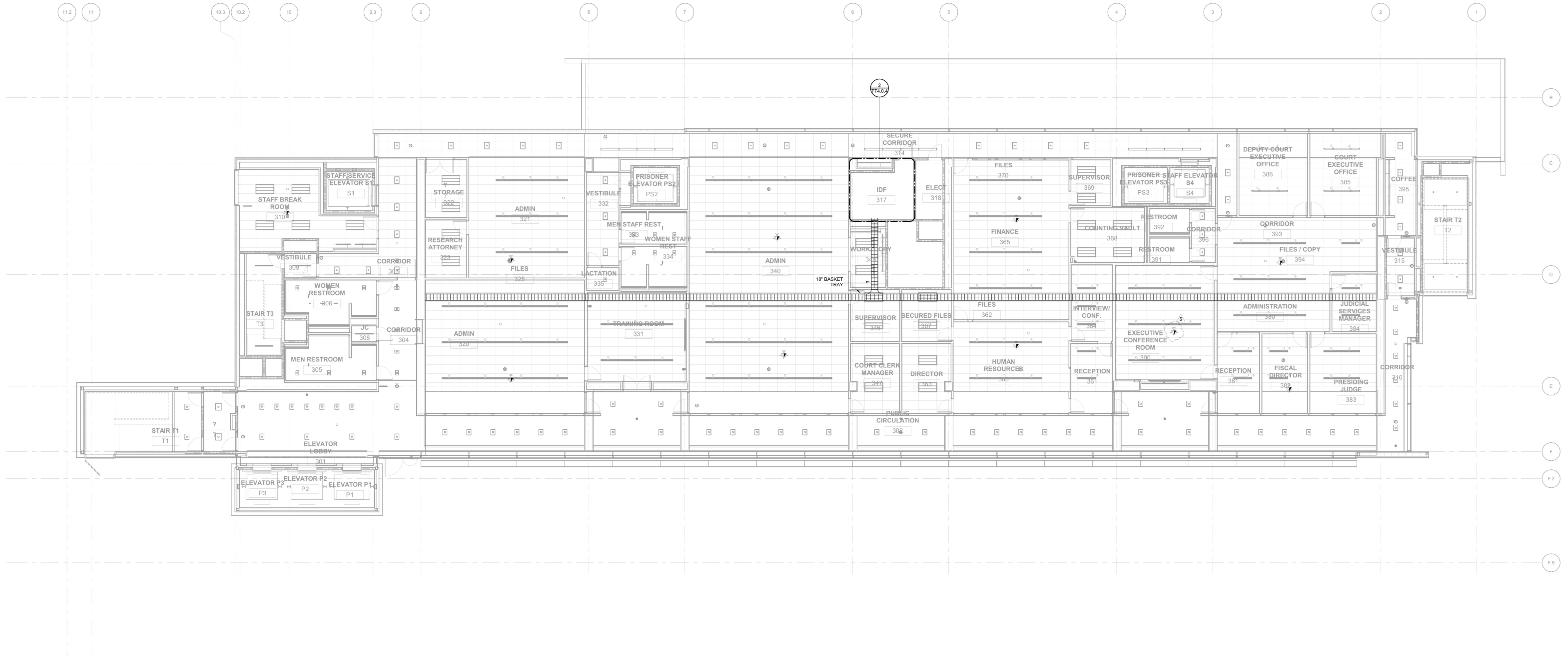
Santa Rosa Criminal  
Courthouse  
2655 Ventura Avenue  
Santa Rosa, CA 95403

TELECOM REFLECTED  
CEILING PLAN - LEVEL 2

REVIEWED  
FOR  
CODE COMPLIANCE  
Sep 11, 2020  
INTERWEST CONSULTING GROUP

DATE: 03/17/18  
SCALE: 1/8" = 1'-0"  
DRAWN BY: DB  
CHKD BY: RSA

TT3.1.3



① TELECOM REFLECTED CEILING PLAN - LEVEL 3  
SCALE 1/8" = 1'-0"

PRINTED ON: 5/11/2021 11:53:31 AM  
GENERAL NOTES:



Phone: 530-652-4169 | Fax: 530-641-1258

Headquarters: 412 Main Street  
Sacramento Area: 1995 Highway 65  
Wheatland, CA 95692 Wheatland, CA 95692

Bay Area: 835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

Nevada:  
8521 White Fir Street  
Unit C1-A  
Reno, NV 89523

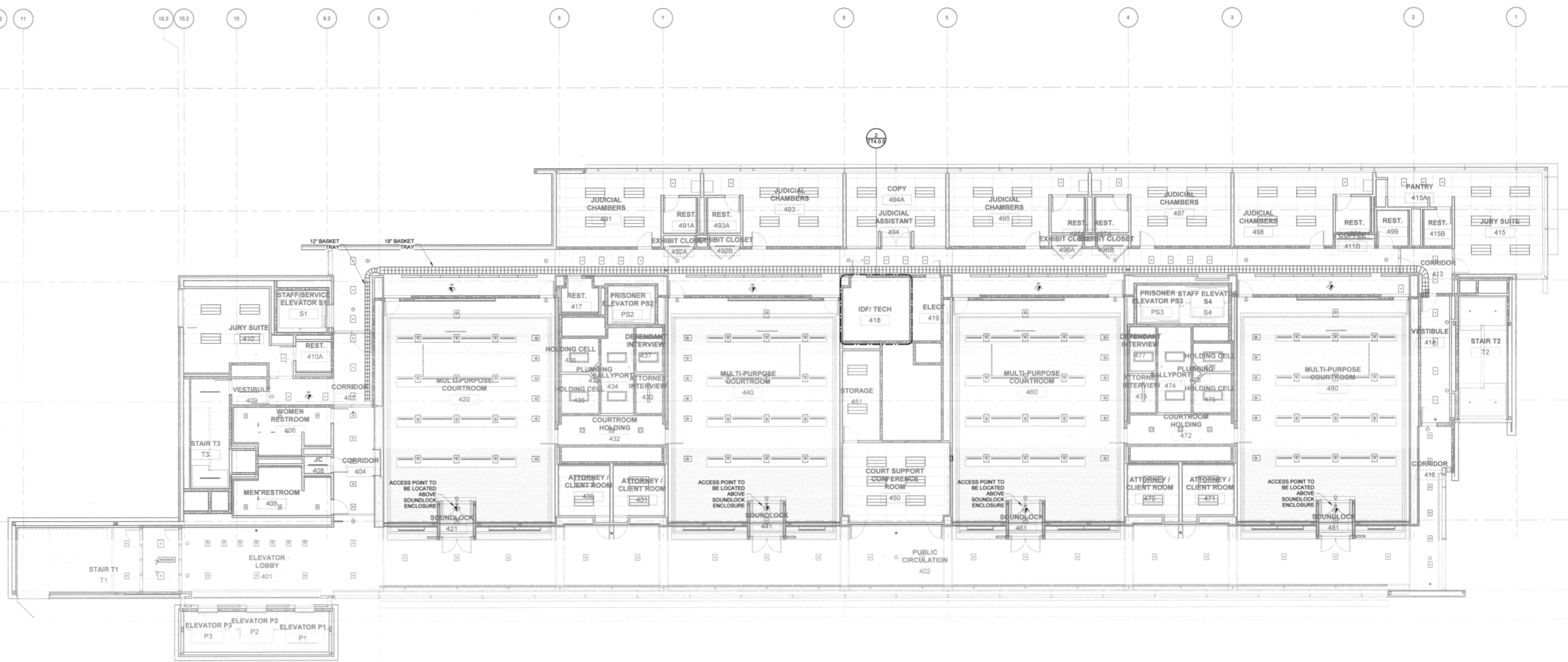
Santa Rosa Criminal  
Courthouse  
2685 Ventura Avenue  
Santa Rosa, CA 95403

TELECOM REFLECTED  
CEILING PLAN - LEVEL 3

DATE: 03/17/16  
SCALE: 1/8" = 1'-0"  
DRAWN BY: DB  
CHECKED BY: RSA

RMPA Project No. 09110

TT3.1.4



1 TELECOM REFLECTED CEILING PLAN - LEVEL 4  
SCALE 1/8" = 1'-0"

PRINTED ON: 6/4/2020 11:01:58 AM  
GENERAL NOTES:



Phone: 530-652-4169 | Fax: 530-641-1258

Headquarters: 412 Main Street  
Wheatland, CA 95692

Sacramento Area:  
1995 Highway 65  
Wheatland, CA 95692

Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

Nevada:  
8521 White Fir Street  
Unit C1-A  
Reno, NV 89523

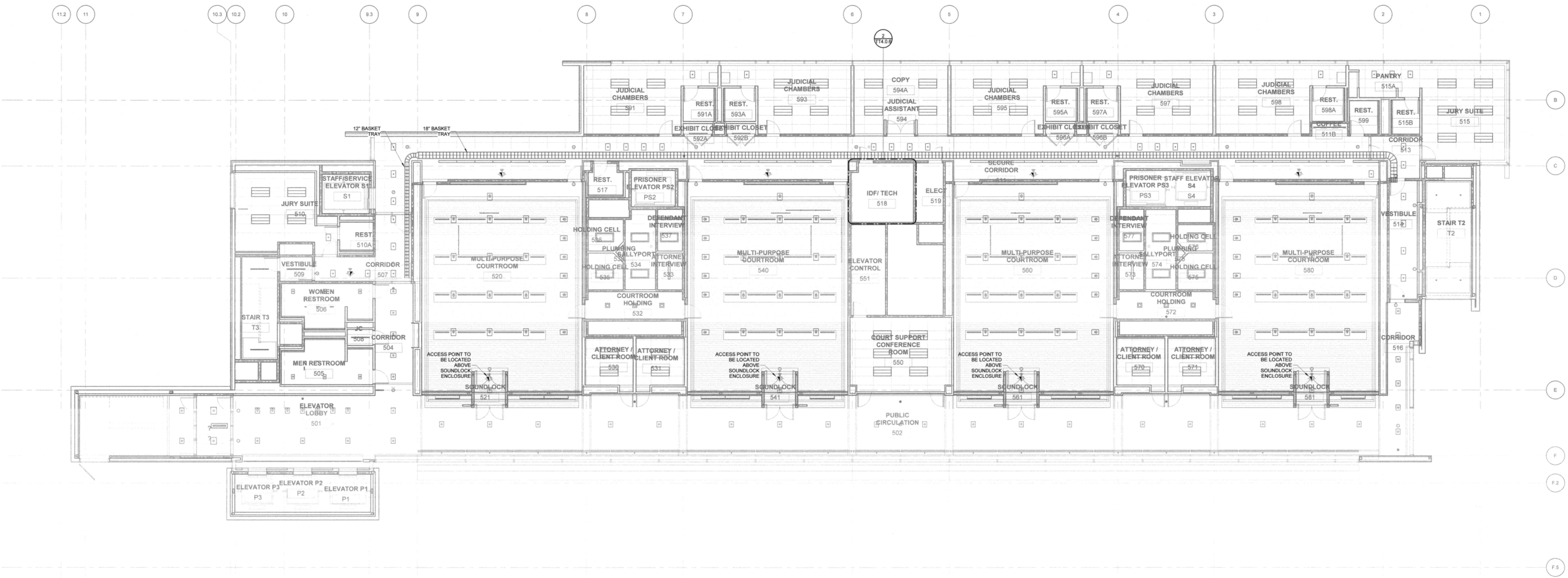
Santa Rosa Criminal  
Courthouse  
2688 Ventura Avenue  
Santa Rosa, CA 95403

TELECOM REFLECTED  
CEILING PLAN - LEVEL 4

REVIEWED  
FOR  
CODE COMPLIANCE  
Sep 11, 2020  
INTERWEST CONSULTING GROUP

DATE: 03/17/18  
SCALE: 1/8" x 1'-0"  
DRAWN BY: DB  
CHKD BY: RSA

TT3.1.5



1 TELECOM REFLECTED CEILING PLAN - LEVEL 5  
SCALE 1/8" = 1'-0"

PRINTED ON: 8/4/2020 11:01:58 AM  
GENERAL NOTES:



Phone: 530-652-4169 | Fax: 530-641-1258

Headquarters: Sacramento Area:  
412 Main Street 1995 Highway 65  
Wheatland, CA 95692 Wheatland, CA 95692

Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

Nevada:  
8521 White Fir Street  
Unit C1-A  
Reno, NV 89523

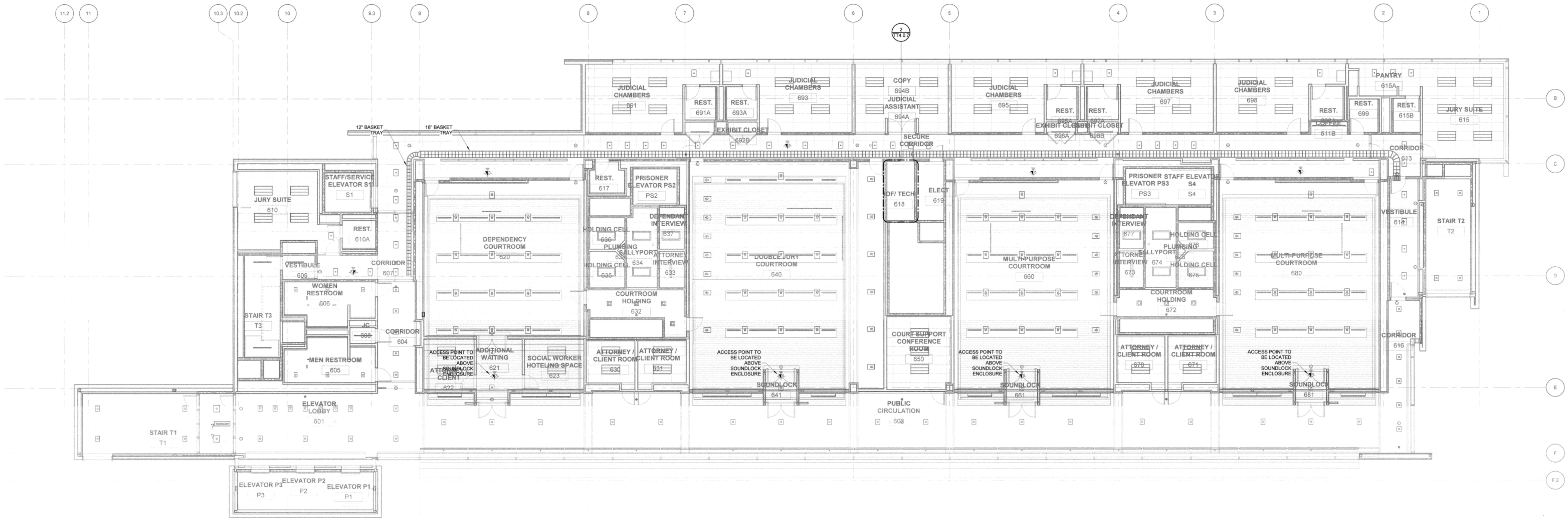
Santa Rosa Criminal  
Courthouse  
2605 Ventura Avenue  
Santa Rosa, CA 95403

TELECOM REFLECTED  
CEILING PLAN - LEVEL 5

REVIEWED  
FOR  
CODE COMPLIANCE  
Sep 11, 2020  
INTERWEST CONSULTING GROUP

DATE: 03/17/16  
SCALE: 1/8" = 1'-0"  
DRAWN BY: DB  
CHKD BY: RSA

TT3.1.6



1 TELECOM REFLECTED CEILING PLAN - LEVEL 6  
SCALE: 1/8" = 1'-0"

PRINTED ON: 6/4/2020 11:02:00 AM  
GENERAL NOTES:



Phone: 530-652-4169 | Fax: 530-641-1258

Headquarters: Sacramento Area:  
412 Main Street 1995 Highway 65  
Wheatland, CA 95692 Wheatland, CA 95692

Bay Area:  
835 Arnold Drive  
Suite #104/Bay 1  
Martinez, CA 94553

Nevada:  
8521 White Fir Street  
Unit C1-A  
Reno, NV 89523

Santa Rosa Criminal  
Courthouse  
2605 Ventura Avenue  
Santa Rosa, CA 95403

TELECOM REFLECTED  
CEILING PLAN - LEVEL 6

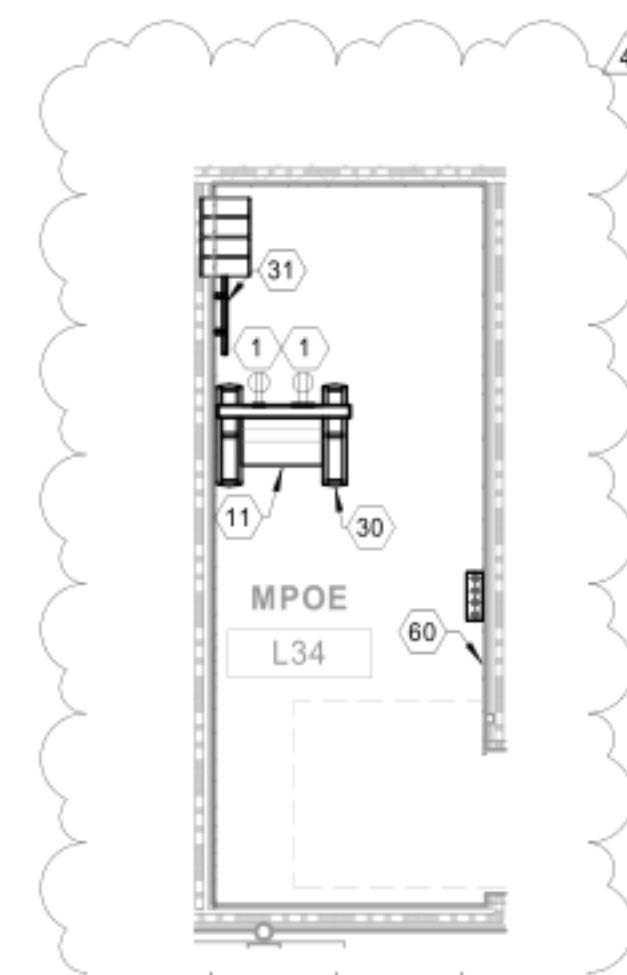
REVIEWED  
FOR  
CODE COMPLIANCE  
Sep 11, 2020  
INTERWEST CONSULTING GROUP

DATE: 03/17/16  
SCALE: 1/8" = 1'-0"  
DRAWN BY: DB  
CHKD BY: RSA

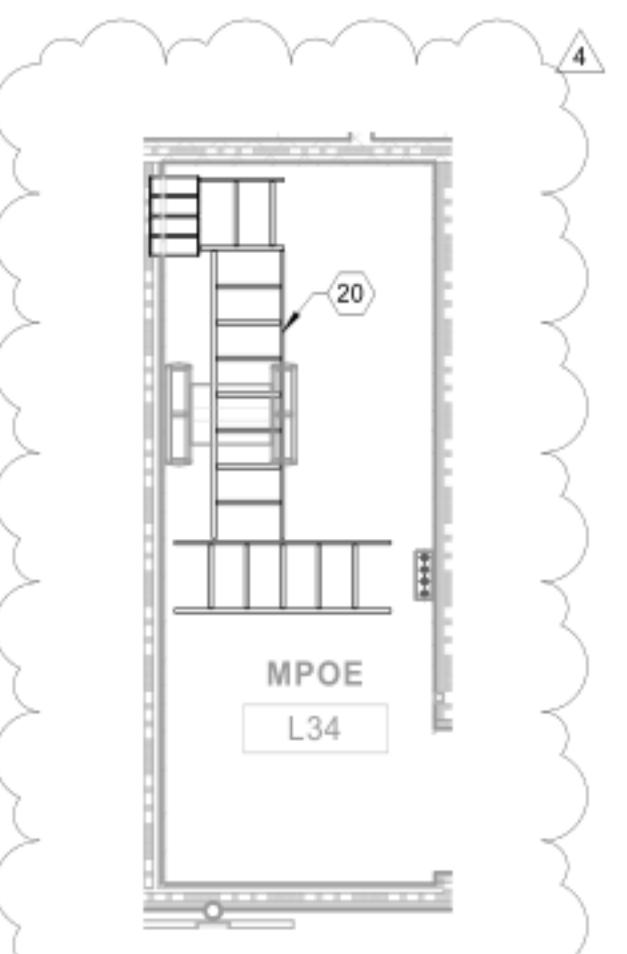
1	HORIZONTAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L14-20 RECEPTACLE
11	EQUIPMENT RACK
20	18" BASKET CABLE TRAY
30	10" DOUBLE SIDE VERTICAL CABLE MANAGEMENT
31	110-STYLE TERMINATION FRAME KIT
60	3/4" FIRE TREATED PLYWOOD

## GENERAL NOTES:

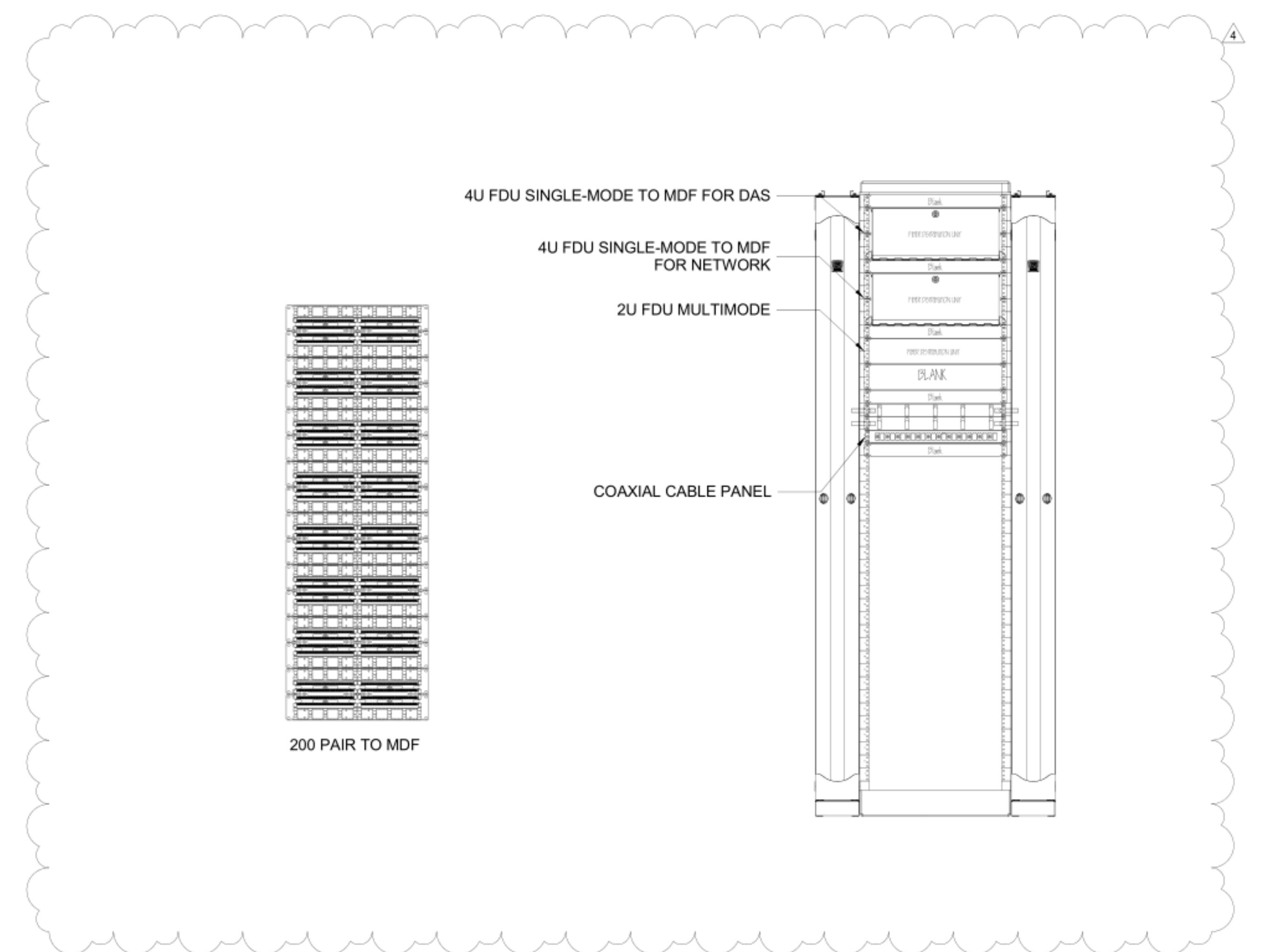
1. ALL SWITCHES ARE OWNER FURNISHED AND OWNER INSTALLED (OFOI)



④ TELECOM - MPOE-L34 FLOOR PLAN  
SCALE 1/4" = 1'-0"



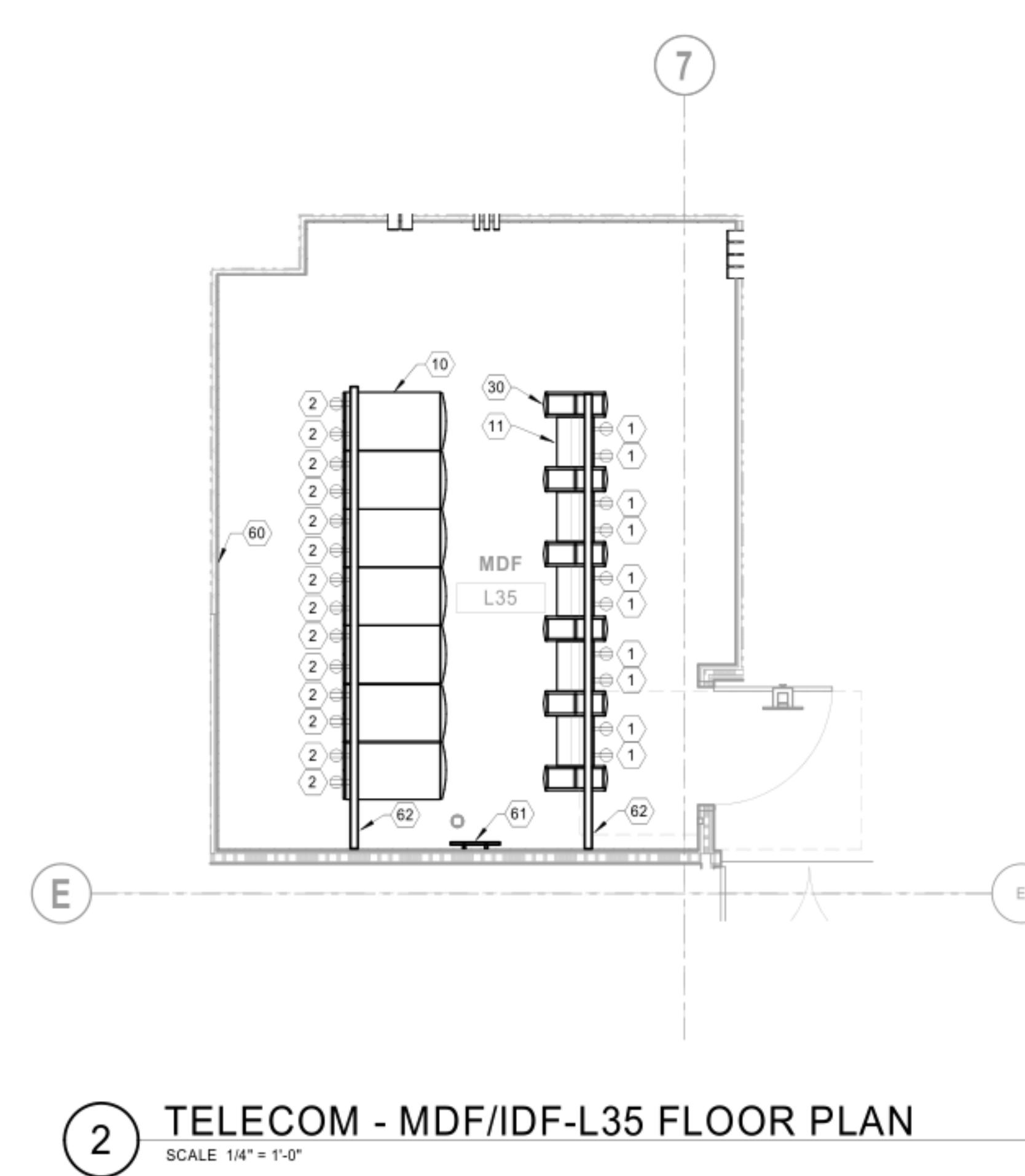
③ TELECOM - MPOE-L34 CEILING PLAN  
SCALE 1/4" = 1'-0"



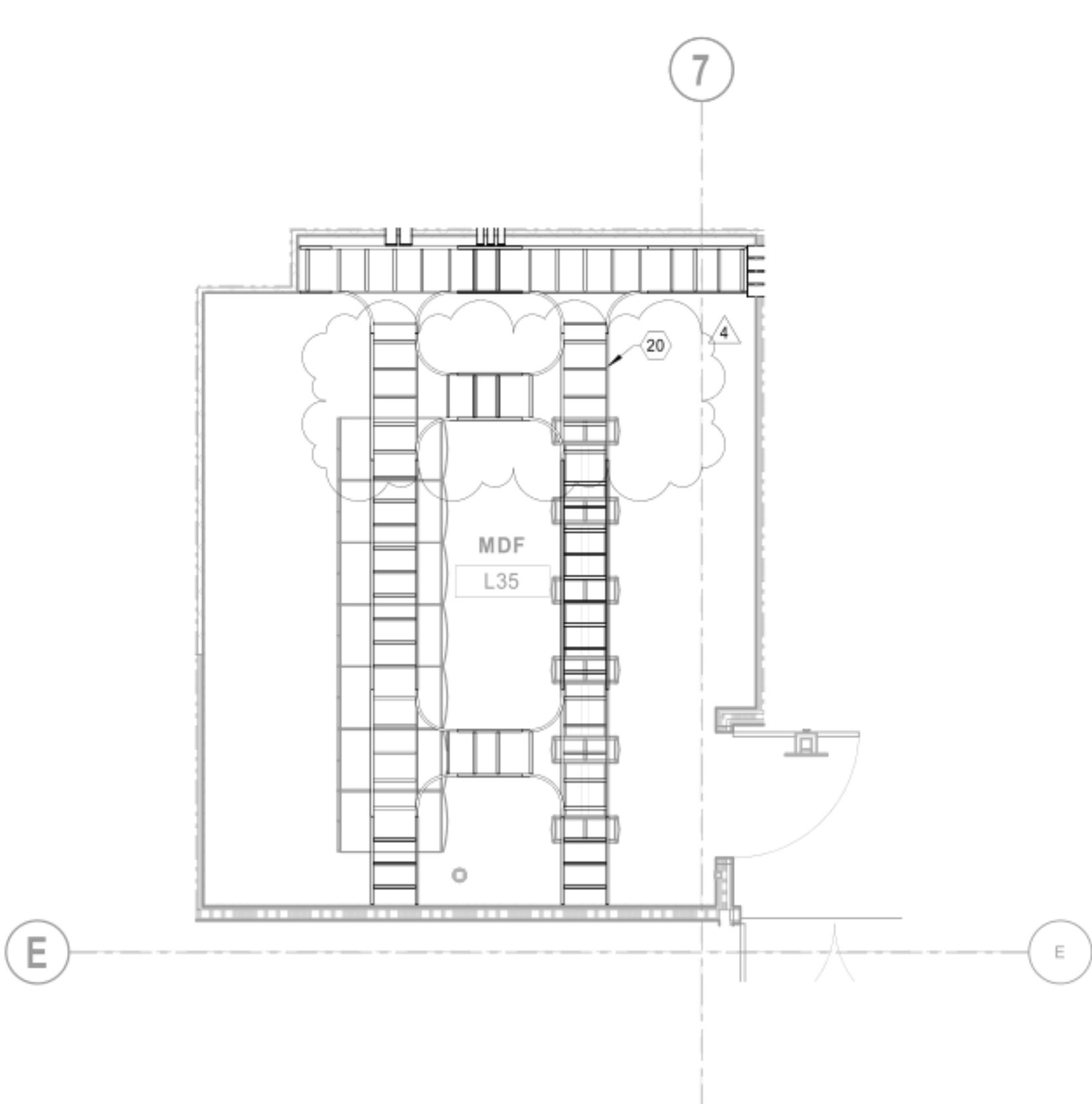
① TELECOM RACK ELEVATION - MPOE-L34  
SCALE NTS

1	HORIZONTAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L14-20 RECEPTACLE
2	VERTICAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L21-20 RECEPTACLE
10	EQUIPMENT CABINET
11	EQUIPMENT RACK
20	18 BASKET CABLE TRAY
30	10 DOUBLE SIDE VERTICAL CABLE MANAGEMENT
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING BUSBAR
62	POWER BUS

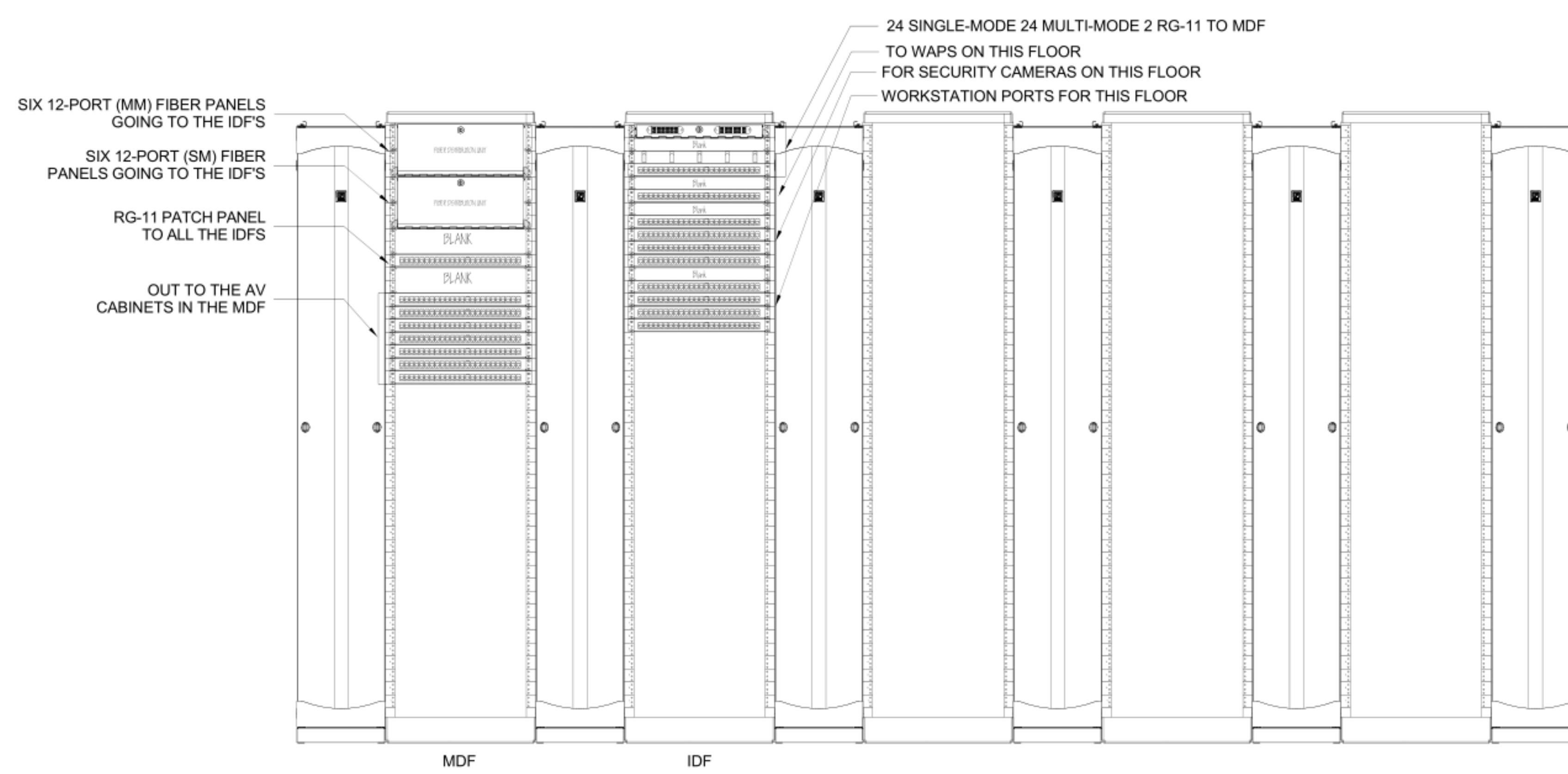
GENERAL NOTES:  
1. ALL SWITCHES ARE OWNER FURNISHED AND OWNER INSTALLED (OFOI)



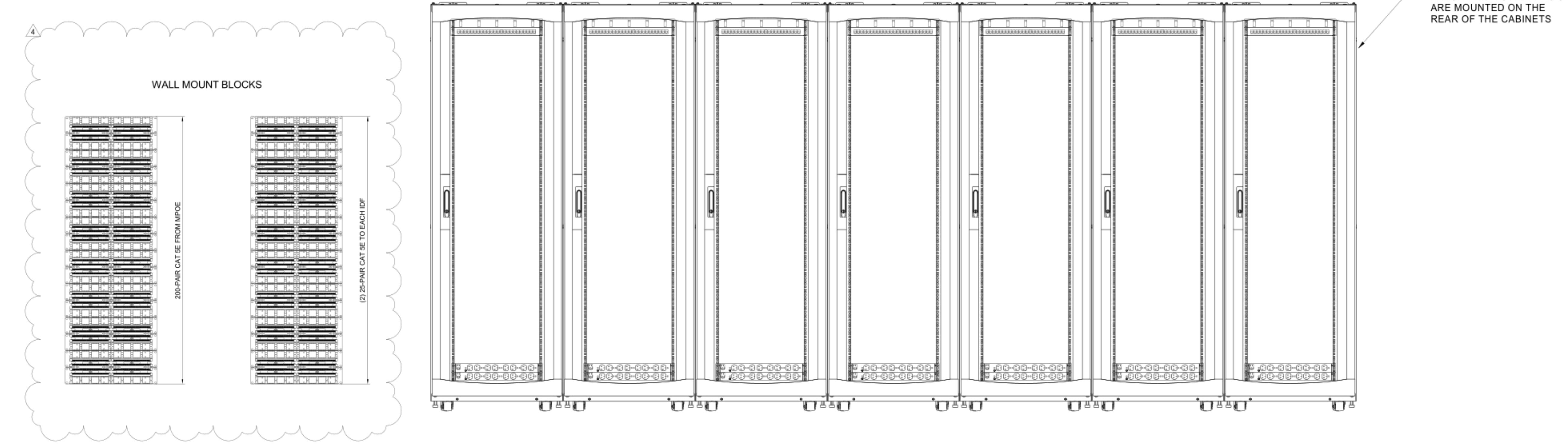
② TELECOM - MDF/IDF-L35 FLOOR PLAN  
SCALE 1/4" = 1'-0"



① TELECOM - MDF/IDF-L35 CEILING PLAN  
SCALE 1/4" = 1'-0"



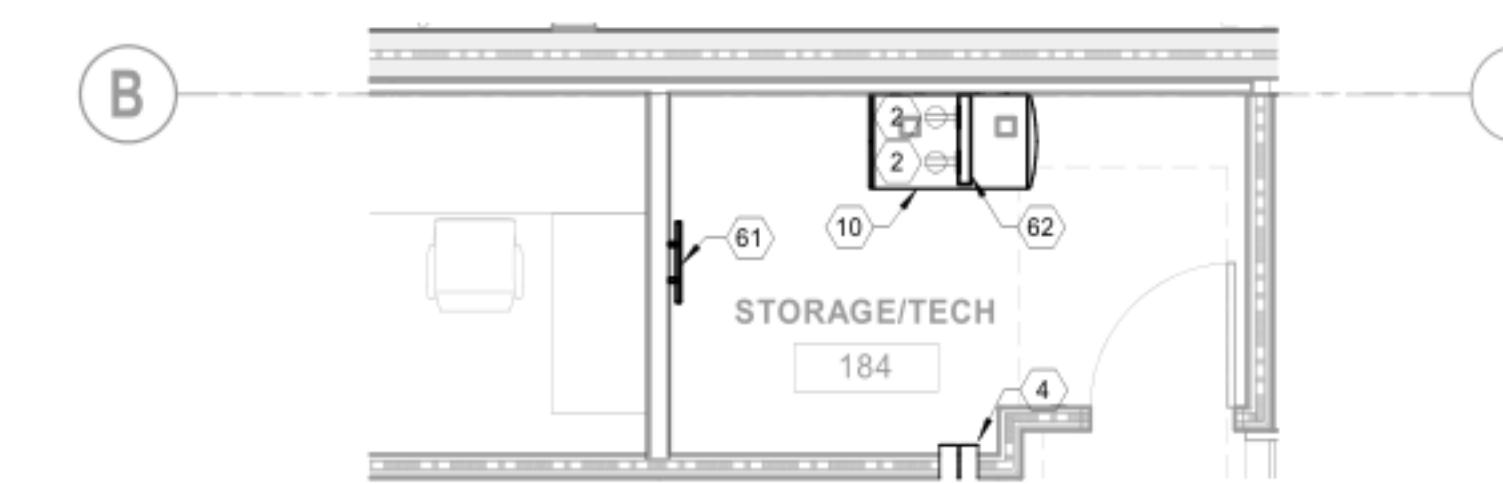
③ TELECOM RACK ELEVATION - MDF/IDF-L35  
SCALE NTS



⑤ AUDIOVISUAL CABINET ELEVATION - MDF/IDF-L35  
SCALE NTS

1	HORIZONTAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L14-20 RECEPTACLE
2	VERTICAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L21-20 RECEPTACLE
4	(2) 4-INCH CONDUITS
10	EQUIPMENT CABINET
11	EQUIPMENT RACK
20	18 BASKET CABLE TRAY
30	10 DOUBLE SIDE VERTICAL CABLE MANAGEMENT
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING BUSBAR
62	POWER BUS

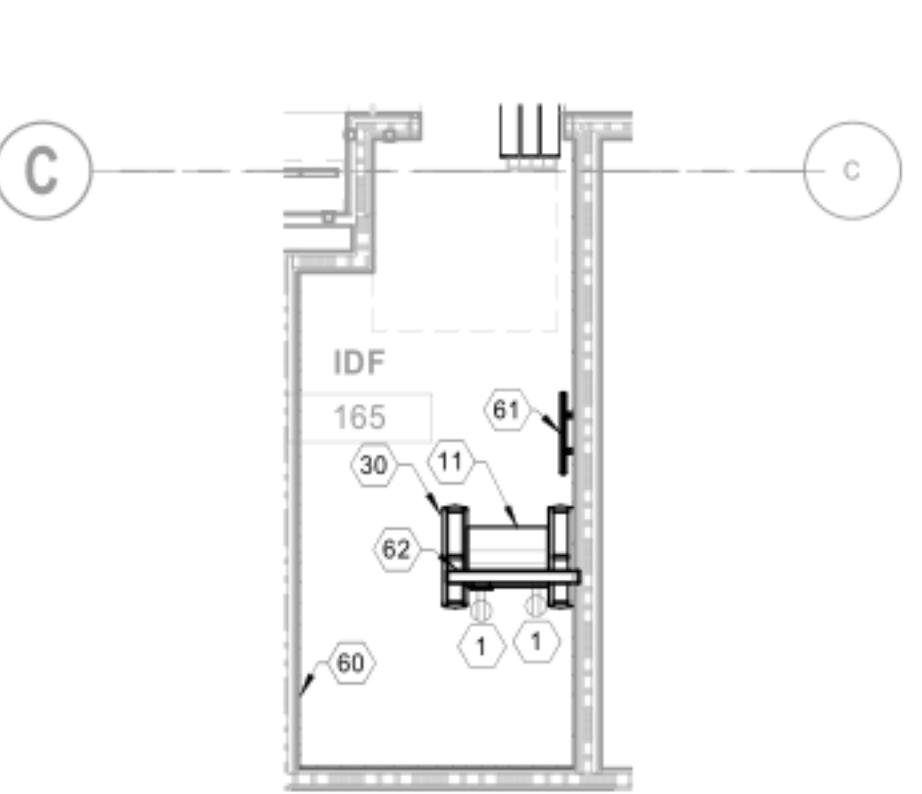
**GENERAL NOTES:**  
1. ALL SWITCHES ARE OWNER FURNISHED AND OWNER INSTALLED (OFOI)



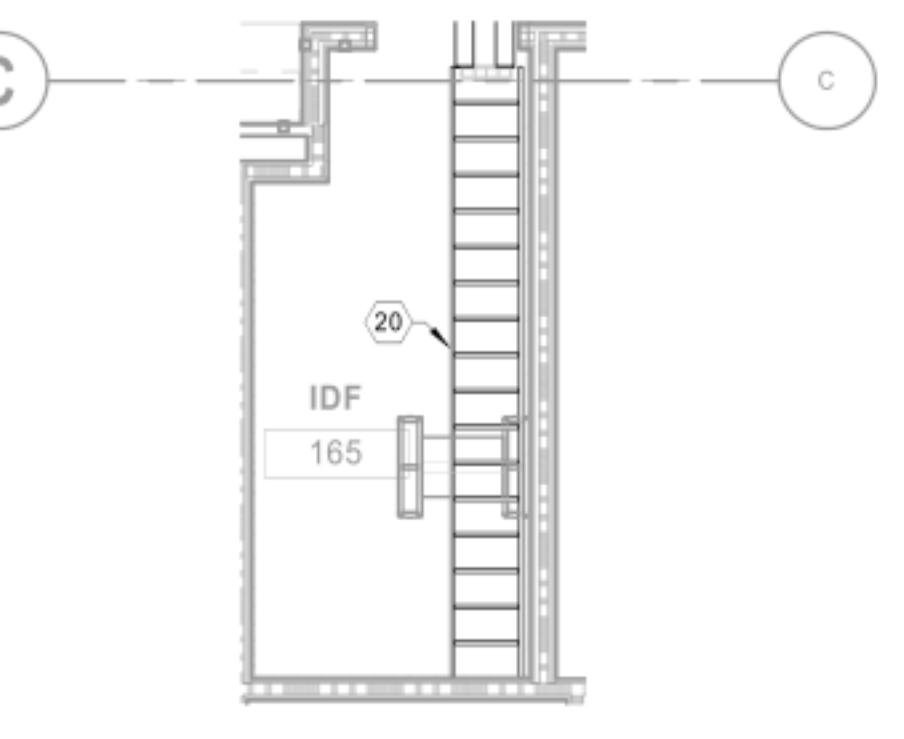
4 TELECOM - STORAGE/TECH-184 FLOOR PLAN  
SCALE 1/4" = 1'-0"



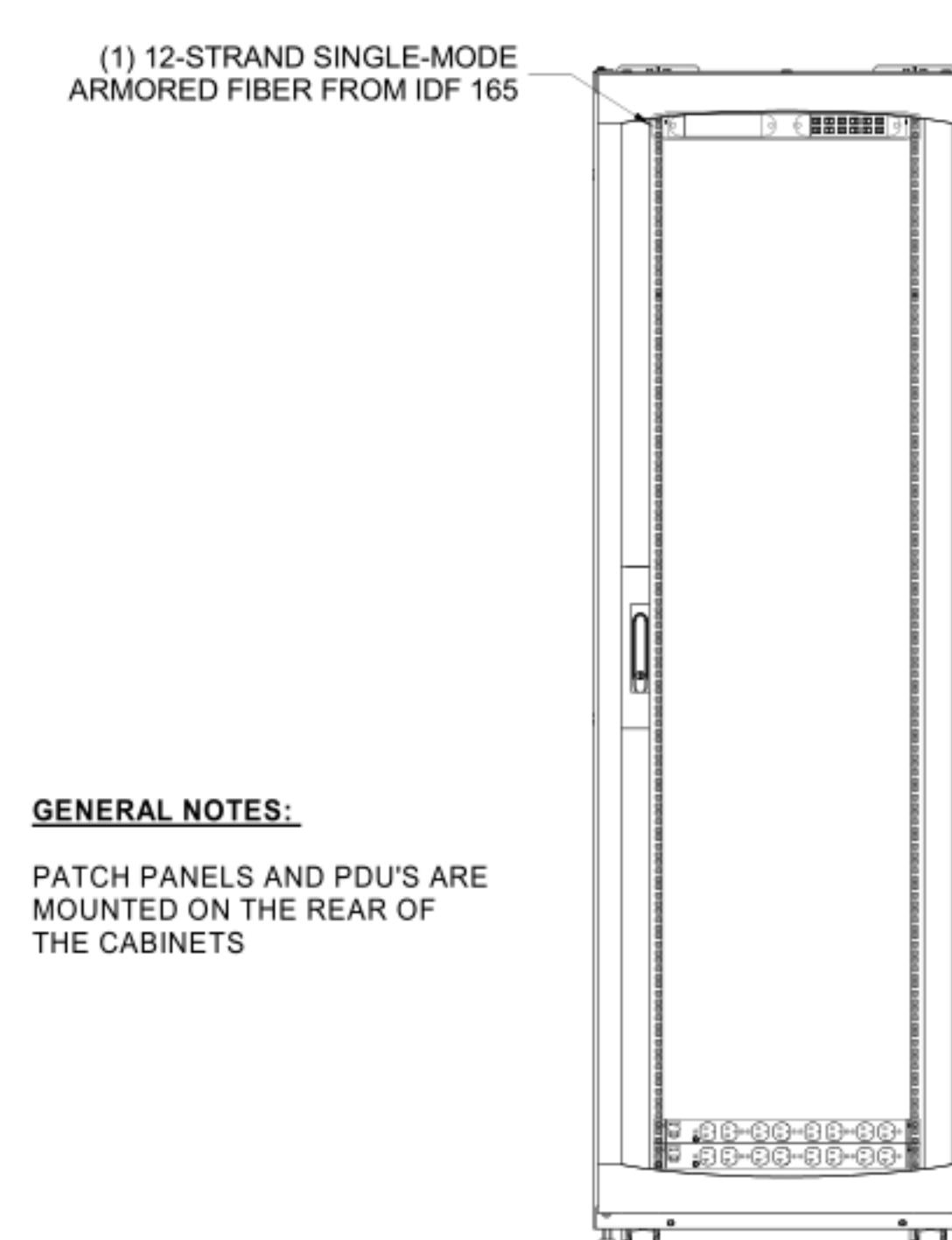
3 TELECOM - STORAGE/TECH-184 CEILING PLAN  
SCALE 1/4" = 1'-0"



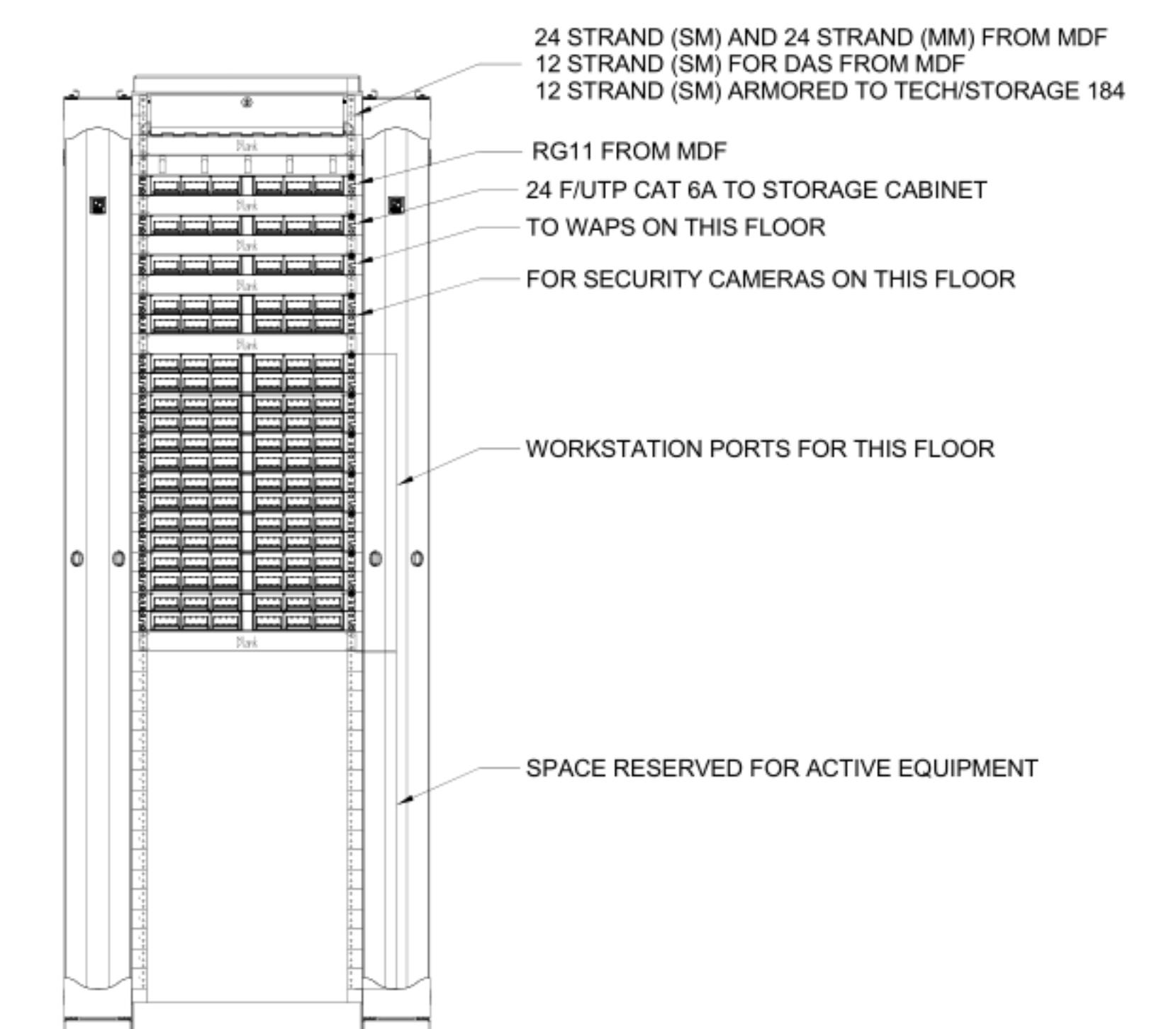
2 TELECOM - IDF-165 FLOOR PLAN  
SCALE 1/4" = 1'-0"



1 TELECOM - IDF-165 CEILING PLAN  
SCALE 1/4" = 1'-0"



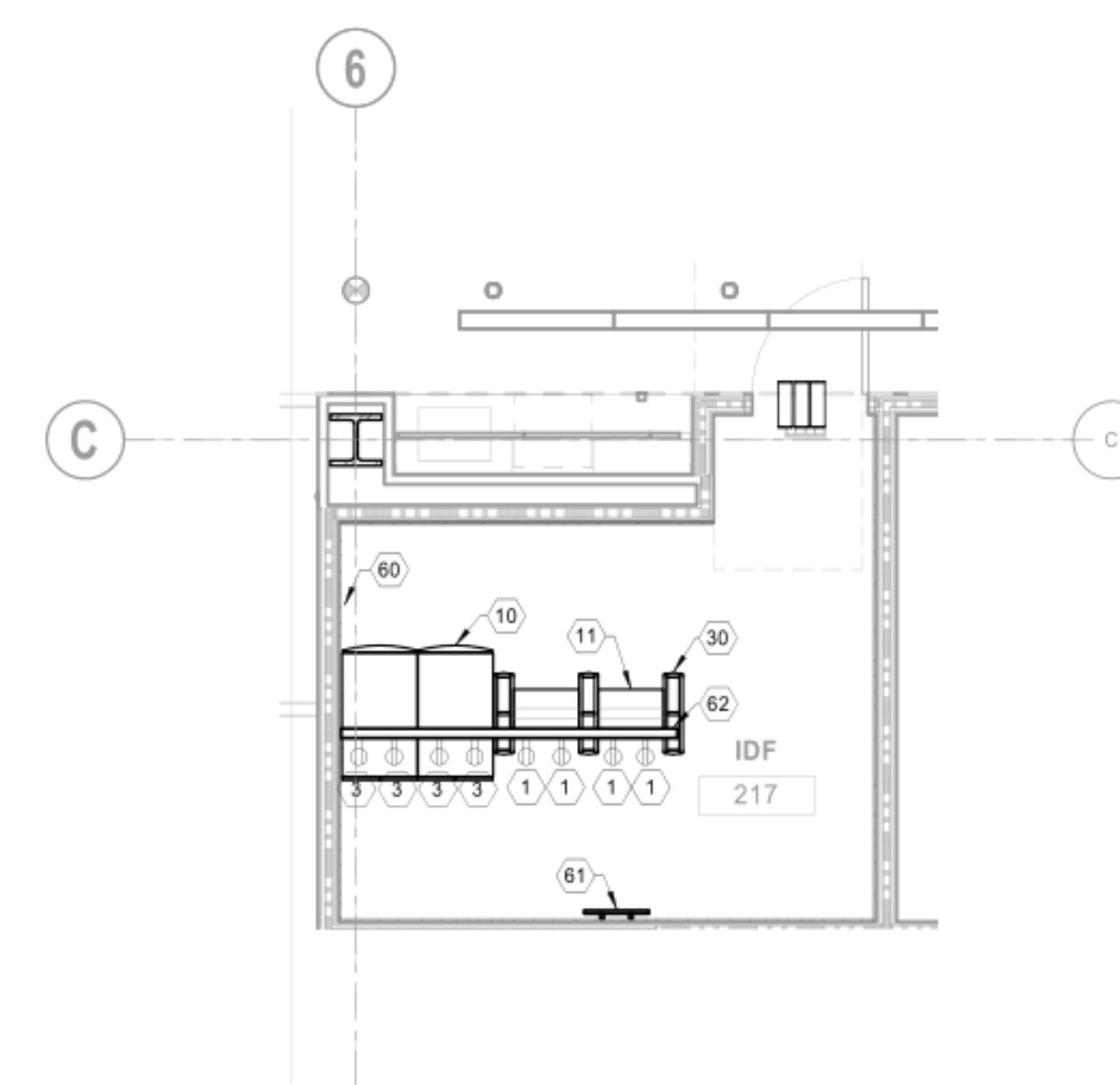
7 TELECOM CABINET ELEVATION - STORAGE/TECH-184  
SCALE 1" = 1'-0"



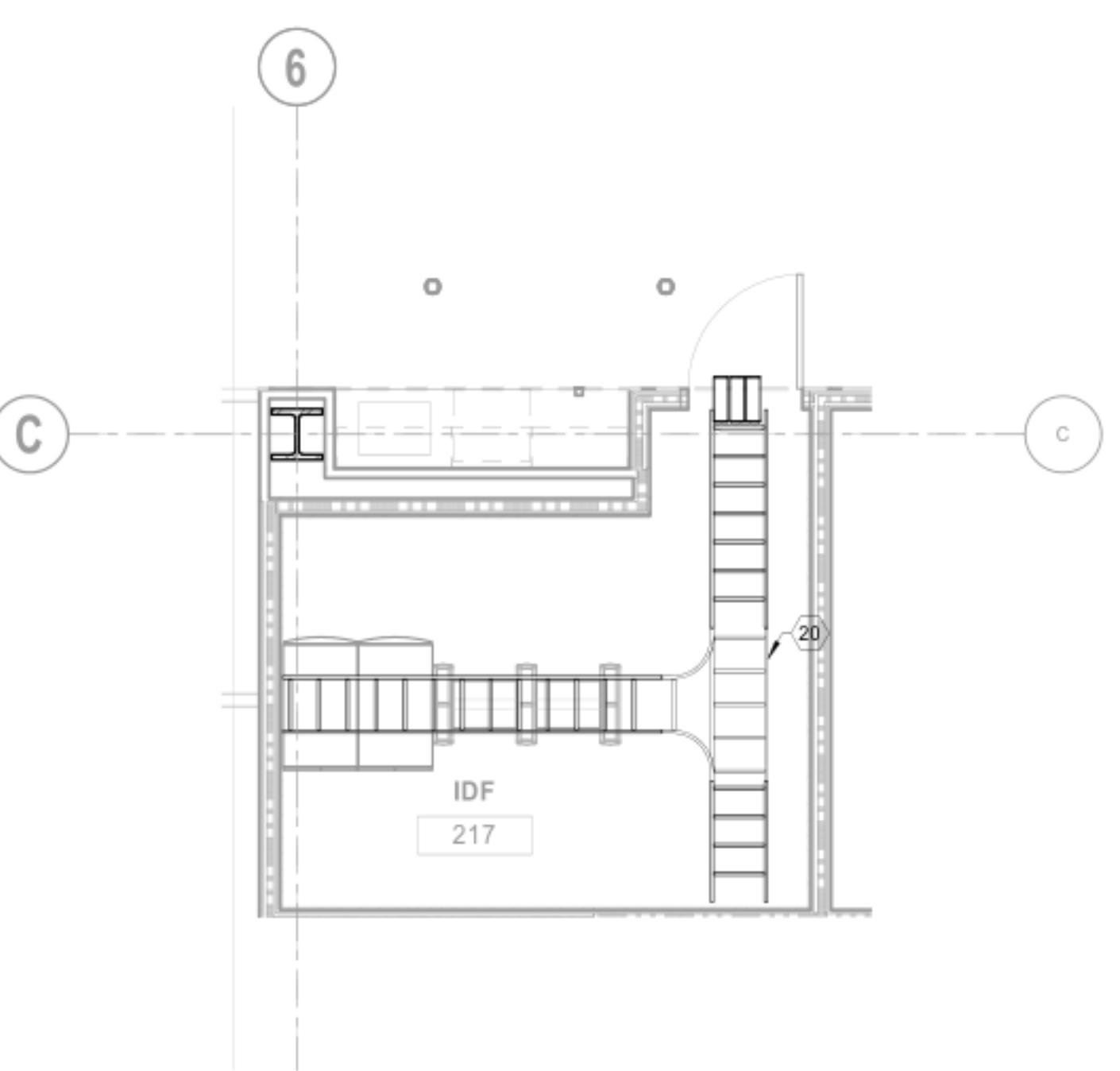
6 TELECOM RACK ELEVATION - IDF-165  
SCALE NTS

1	HORIZONTAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L14-20 RECEPTACLE
3	VERTICAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L21-20 RECEPTACLE
10	EQUIPMENT CABINET
11	EQUIPMENT RACK
20	18" BASKET CABLE TRAY
30	10' DOUBLE SIDE VERTICAL CABLE MANAGEMENT
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING BUSBAR
62	POWER BUS

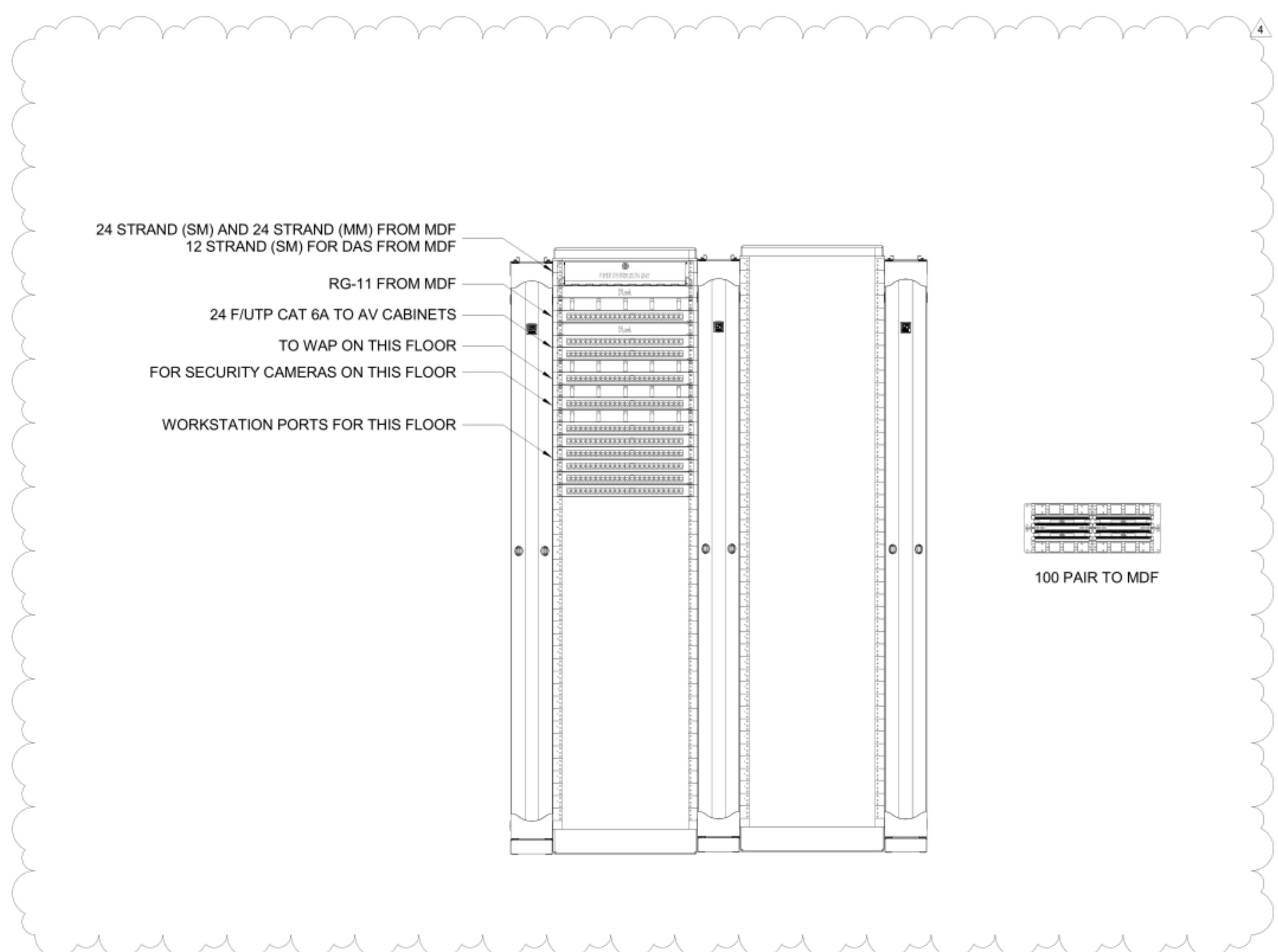
**GENERAL NOTES:**  
1. ALL SWITCHES ARE OWNER FURNISHED AND OWNER INSTALLED (OFOI)



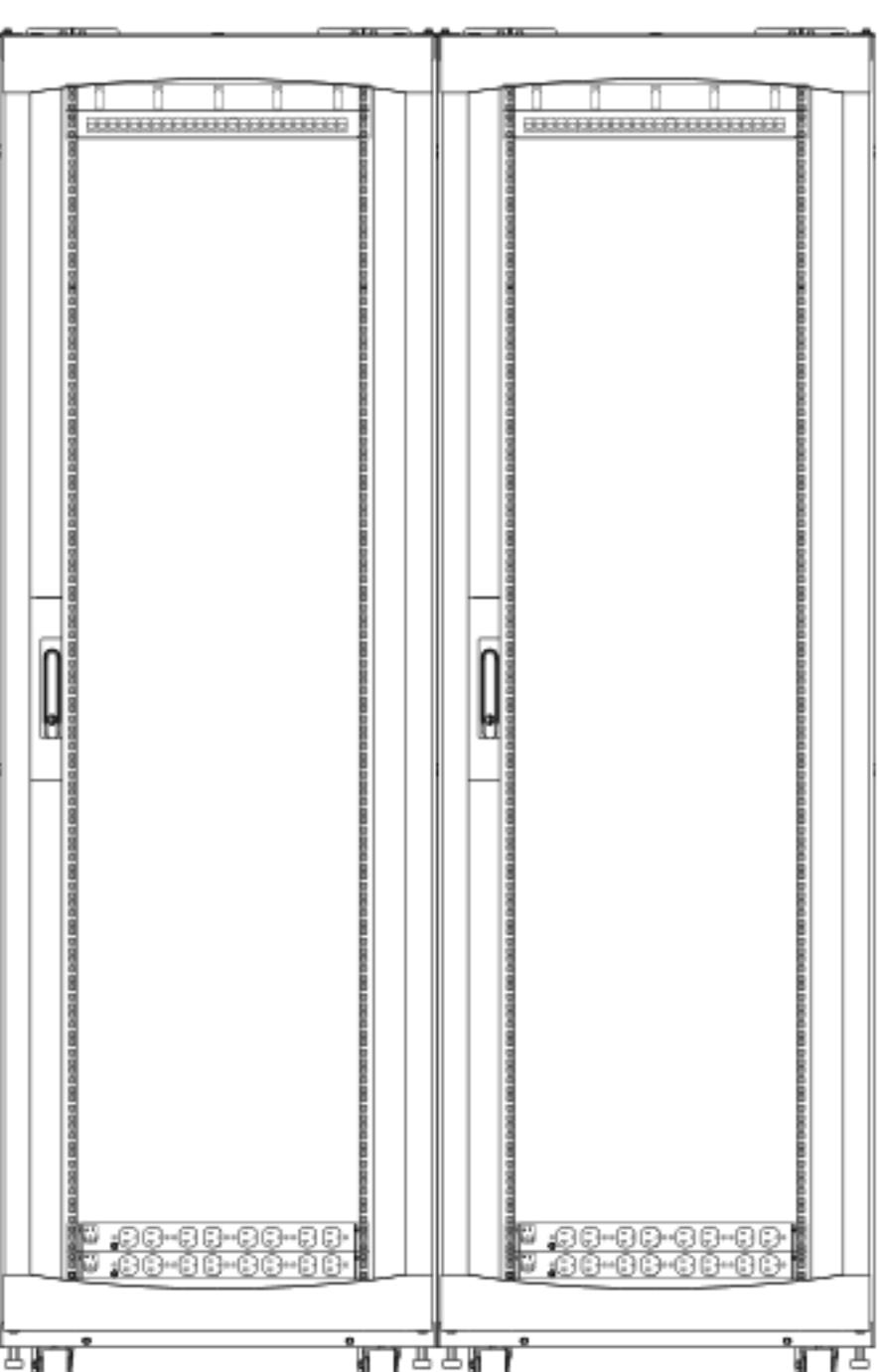
② TELECOM - IDF-217 FLOOR PLAN  
SCALE 1/4" = 1'-0"



① TELECOM - IDF-217 CEILING PLAN  
SCALE 1/4" = 1'-0"



④ TELECOM RACK ELEVATION - IDF-217  
SCALE NTS

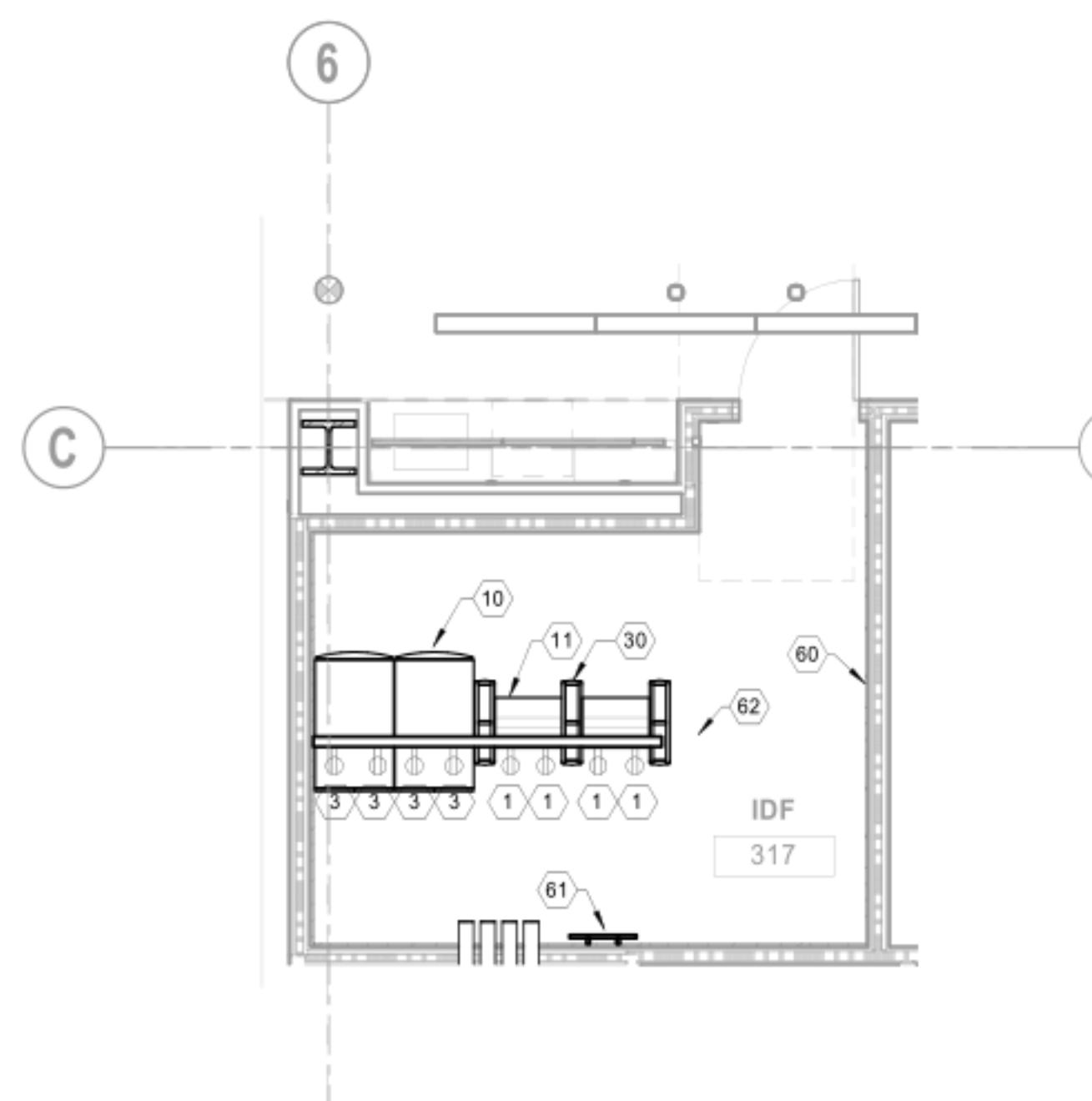


③ AUDIOVISUAL CABINET ELEVATION - IDF-217  
SCALE NTS

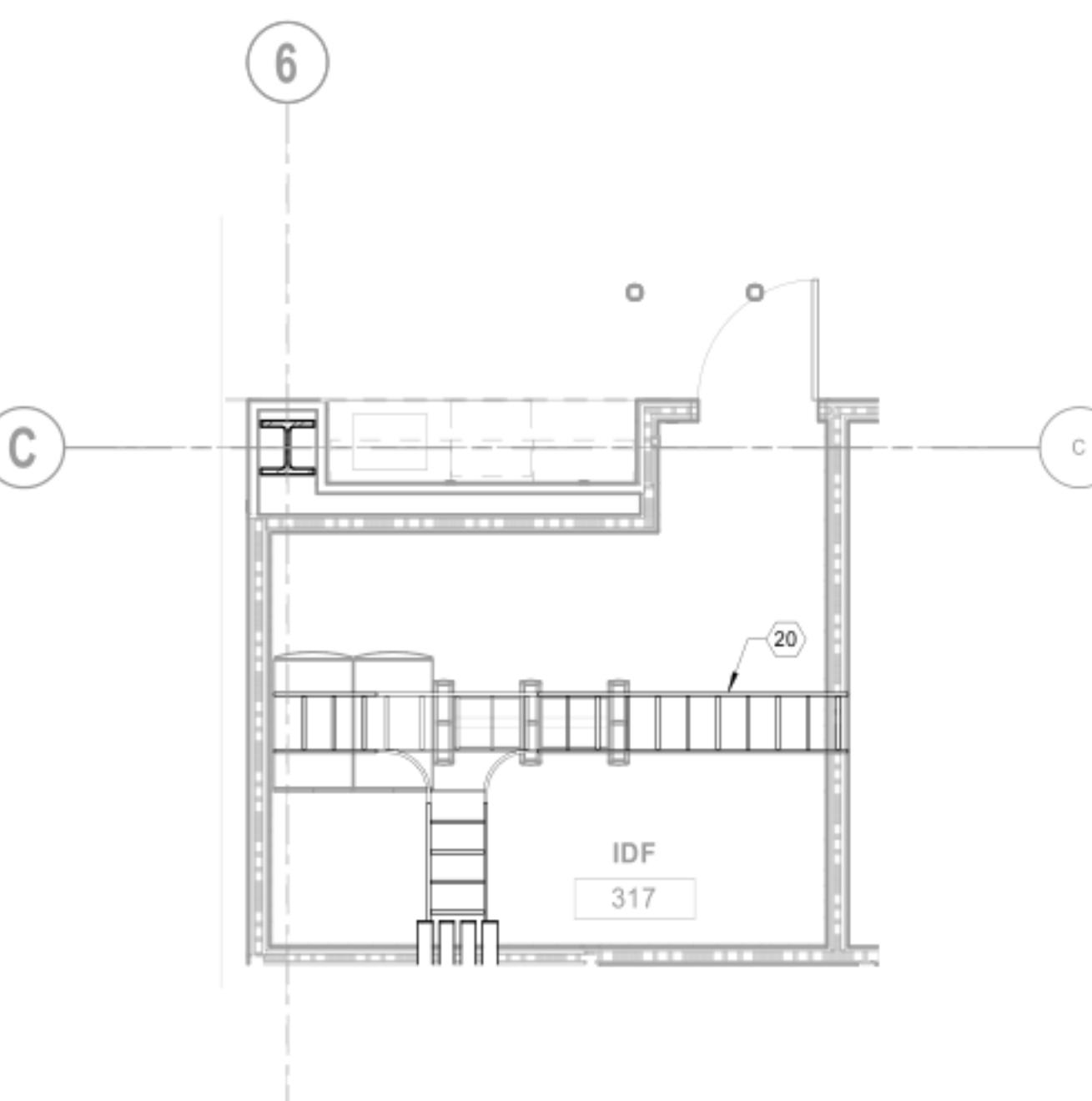
TA AND TT KEYNOTES

1	HORIZONTAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L14-20 RECEPTACLE
3	VERTICAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L21-20 RECEPTACLE
10	EQUIPMENT CABINET
11	EQUIPMENT RACK
20	18" BASKET CABLE TRAY
30	10" DOUBLE SIDE VERTICAL CABLE MANAGEMENT
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING BUSBAR
62	POWER BUS

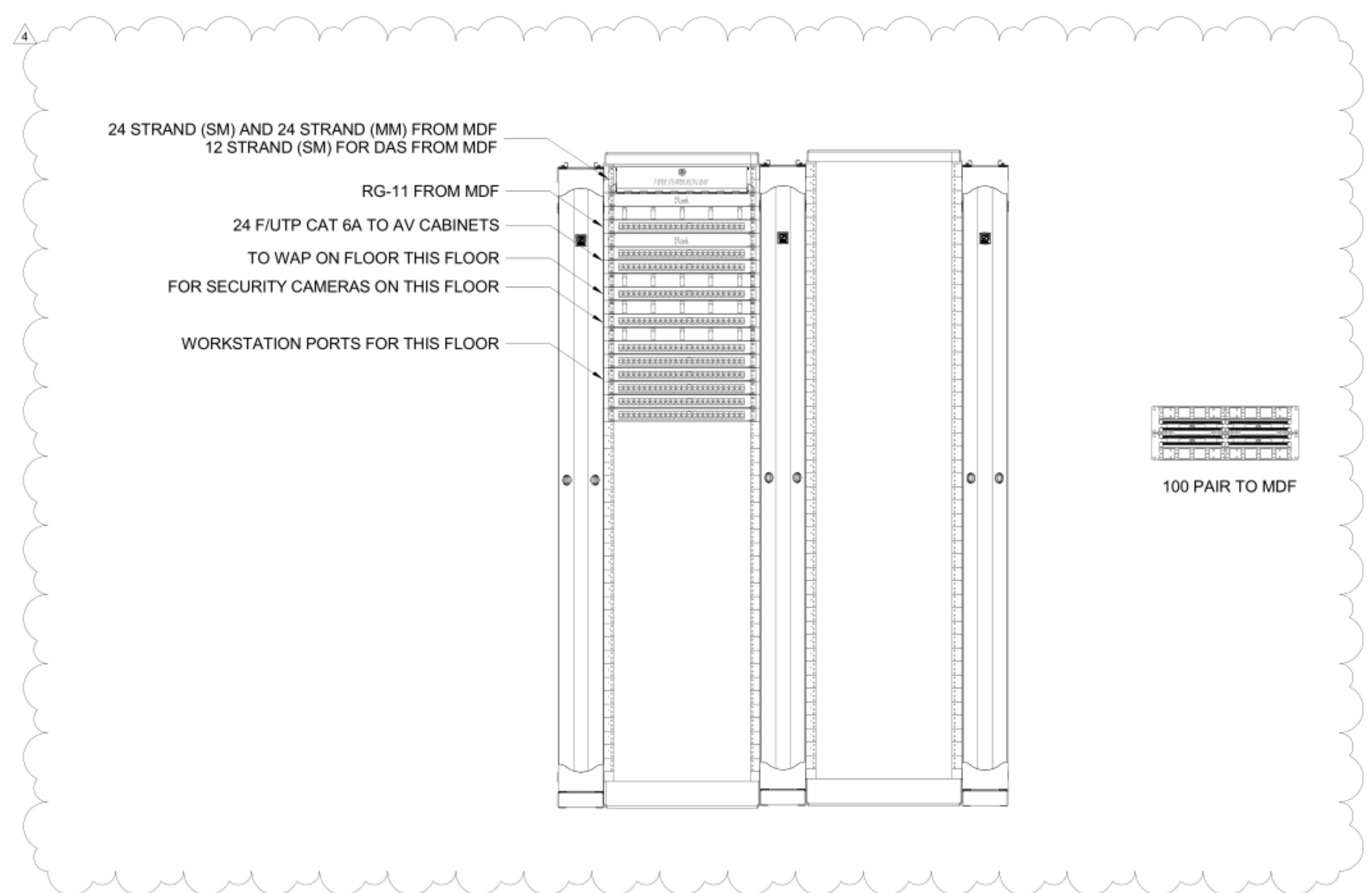
**GENERAL NOTES:**  
1. ALL SWITCHES ARE OWNER FURNISHED AND OWNER INSTALLED (OFOI)



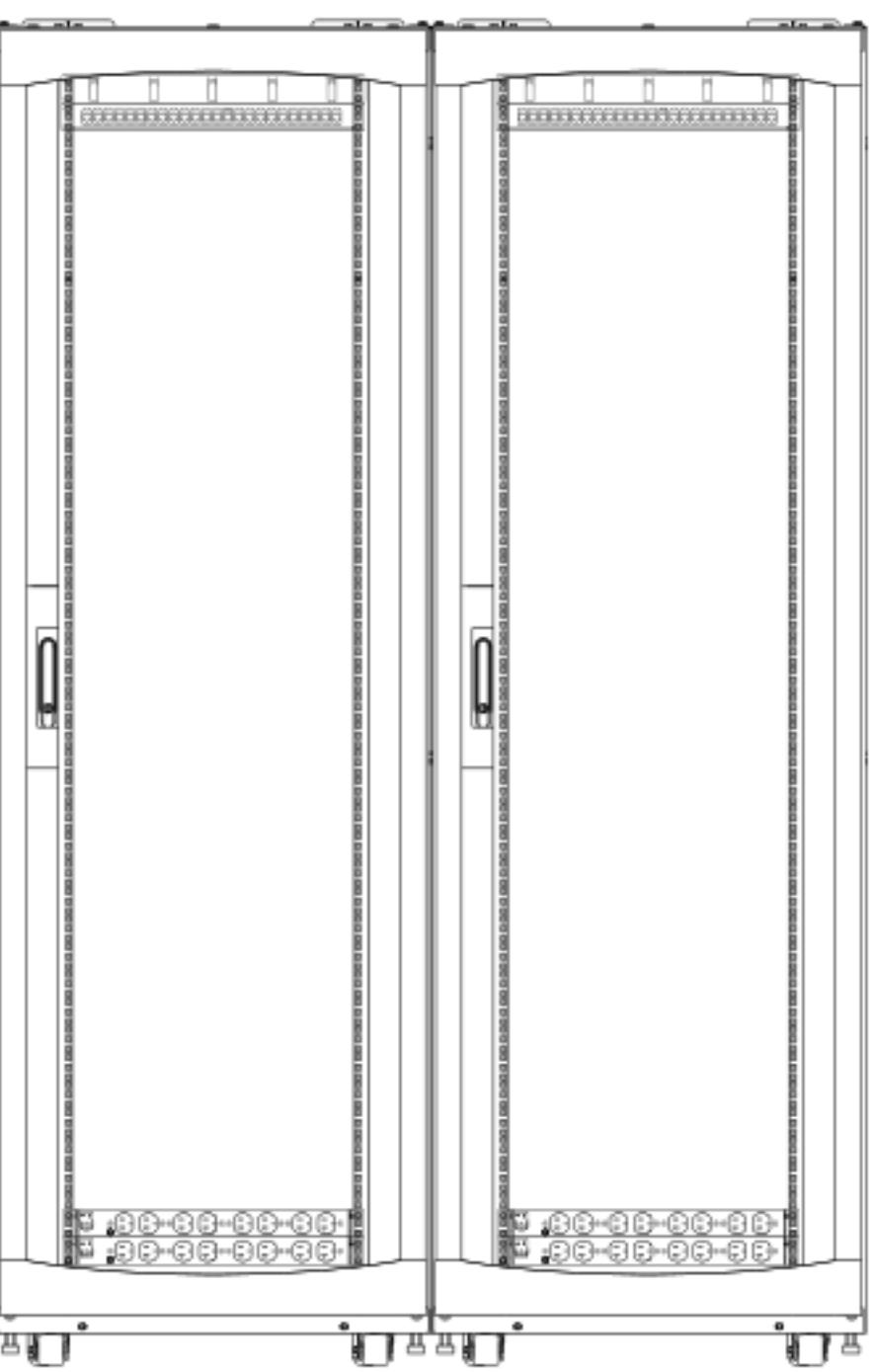
(3) TELECOM - IDF-317 FLOOR PLAN  
SCALE 1/4" = 1'-0"



(2) TELECOM - IDF-317 CEILING PLAN  
SCALE 1/4" = 1'-0"



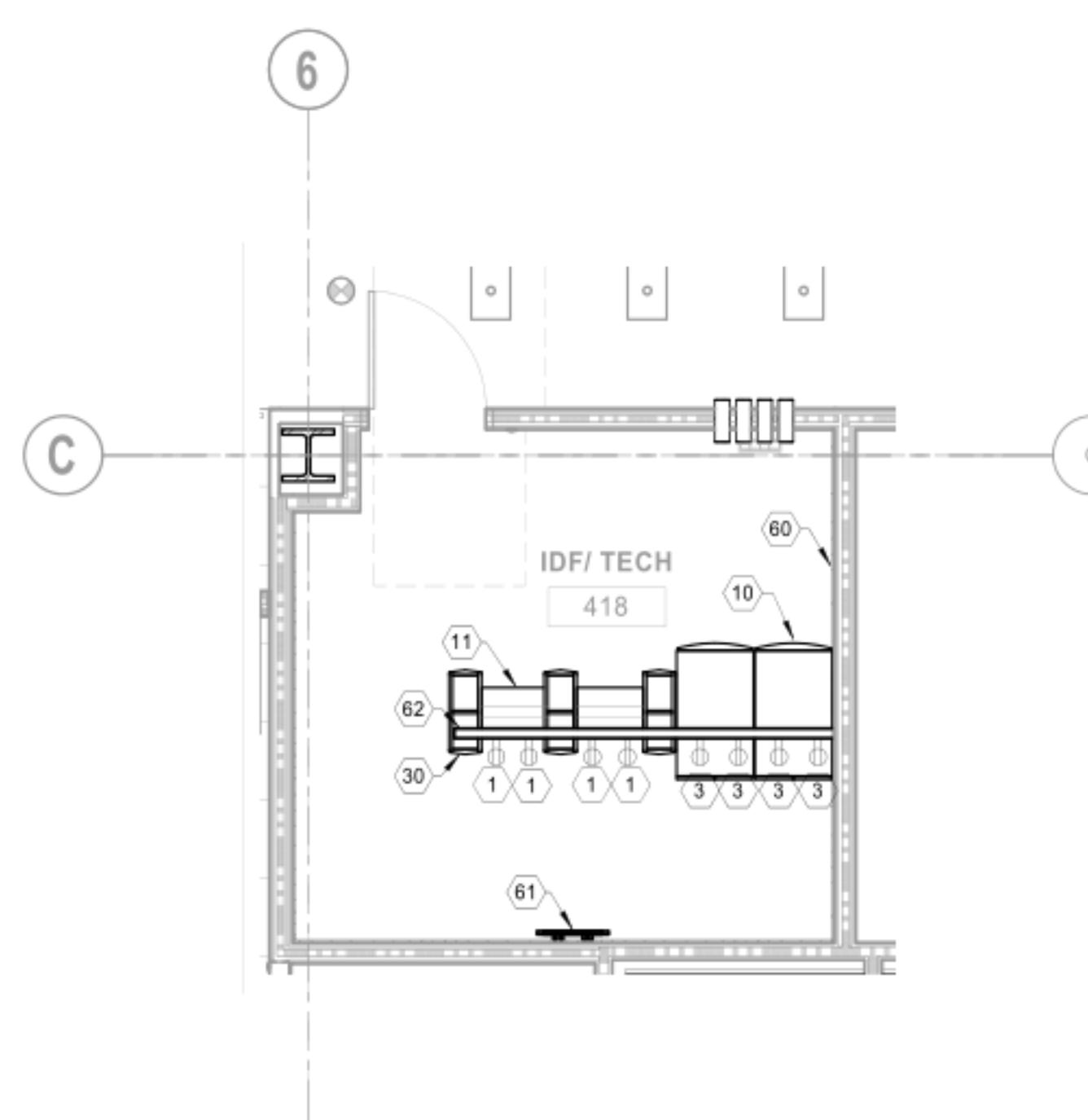
(4) TELECOM RACK ELEVATION - IDF-317  
SCALE NTS



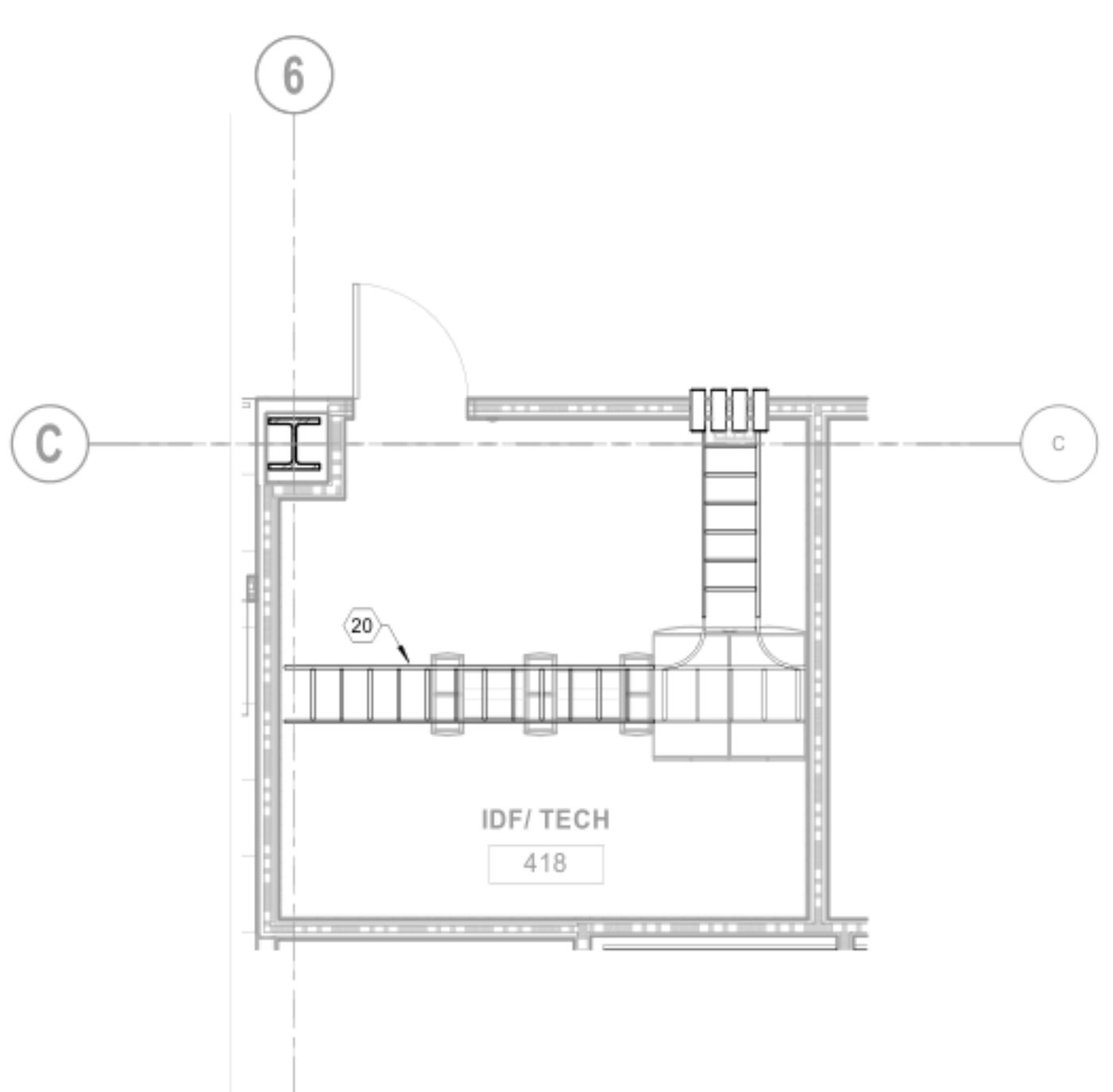
(1) AUDIOVISUAL CABINET ELEVATION - IDF-317  
SCALE NTS

1	HORIZONTAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L14-20 RECEPTACLE
3	VERTICAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L21-20 RECEPTACLE
10	EQUIPMENT CABINET
11	EQUIPMENT RACK
20	18" BASKET CABLE TRAY
30	10" DOUBLE SIDE VERTICAL CABLE MANAGEMENT
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING BUSBAR
62	POWER BUS

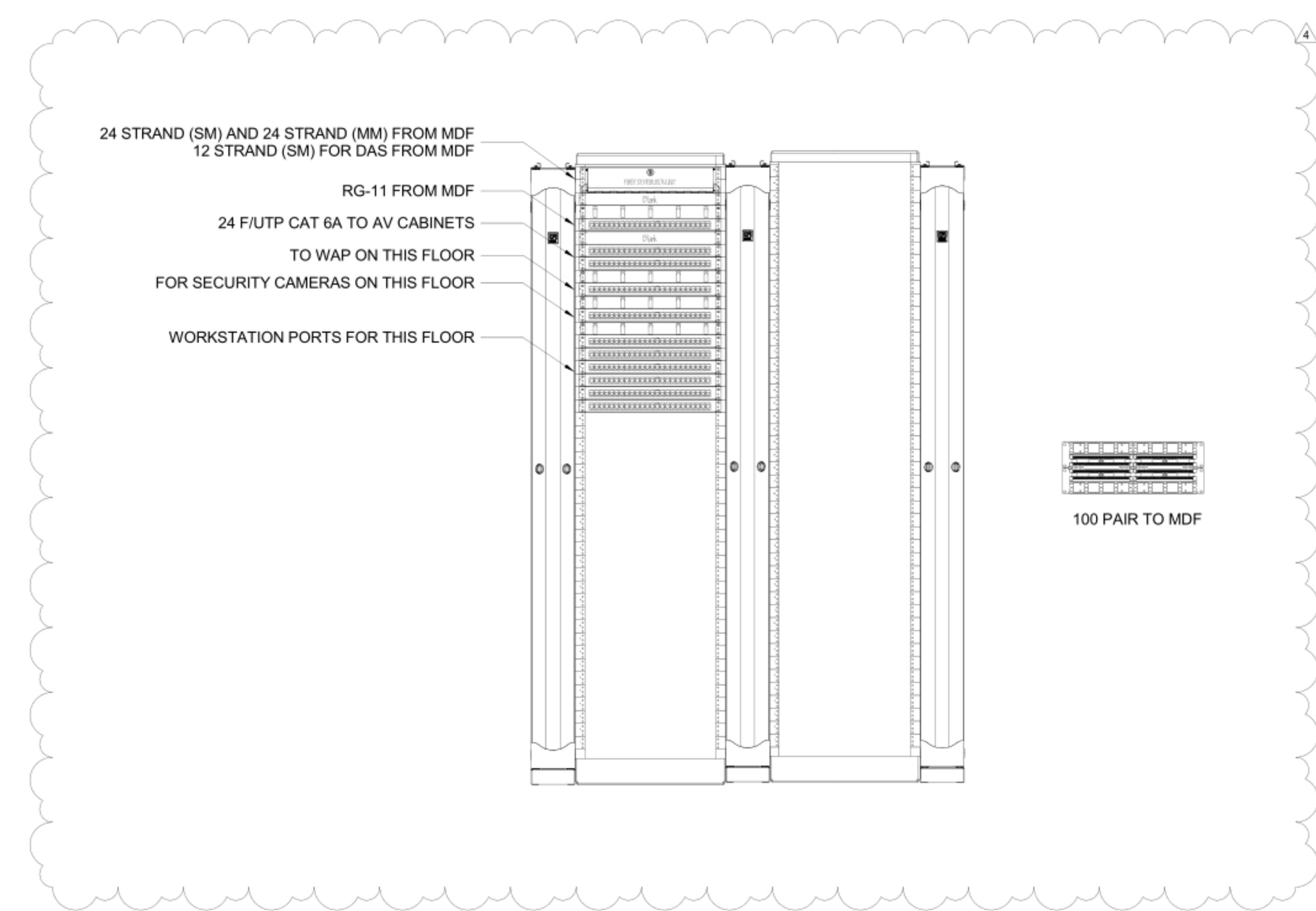
**GENERAL NOTES:**  
1. ALL SWITCHES ARE OWNER FURNISHED AND OWNER INSTALLED (OFOI)



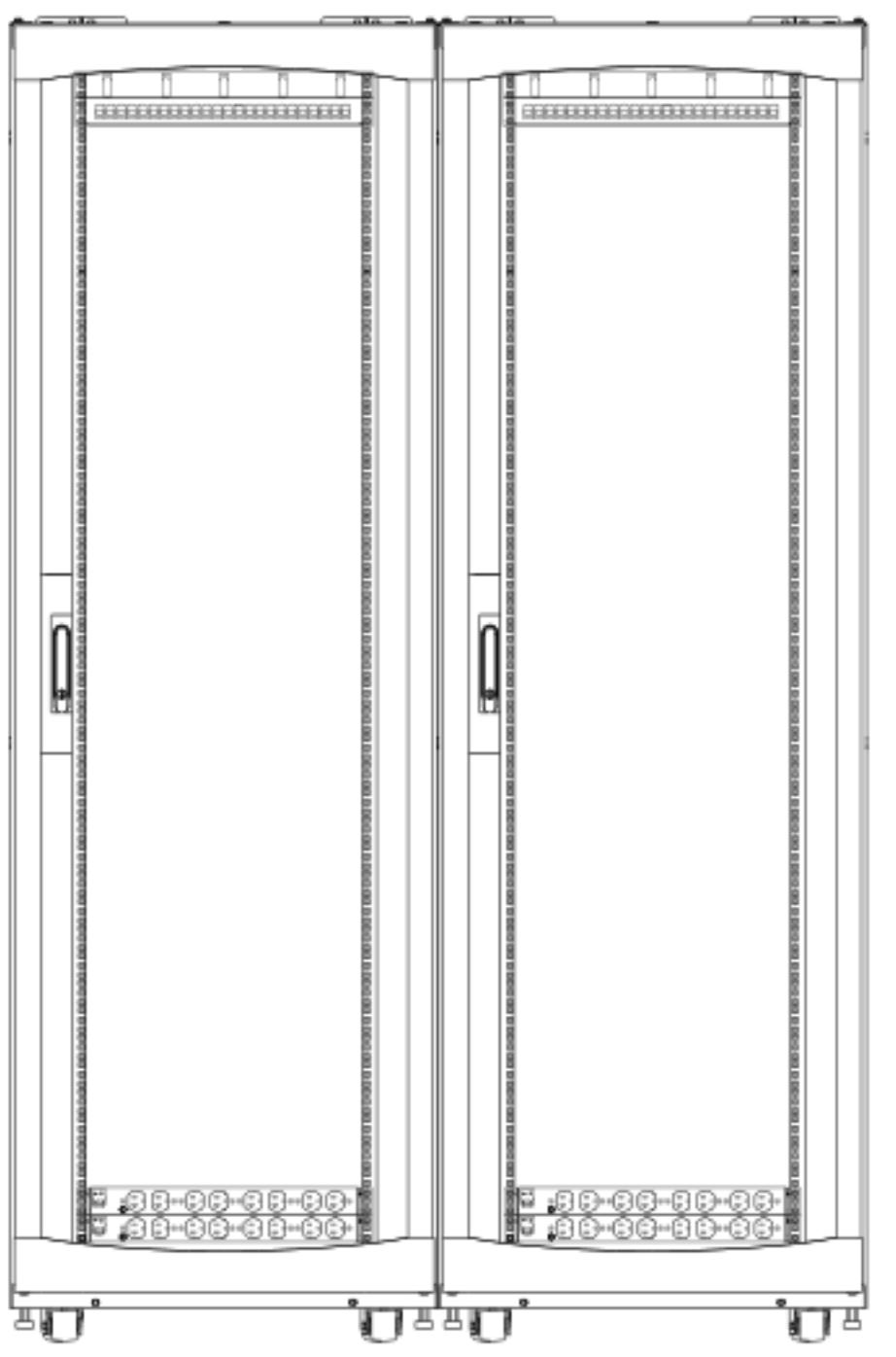
③ TELECOM - IDF-418 FLOOR PLAN  
SCALE 1/4" = 1'-0"



② TELECOM - IDF-418 CEILING PLAN  
SCALE 1/4" = 1'-0"



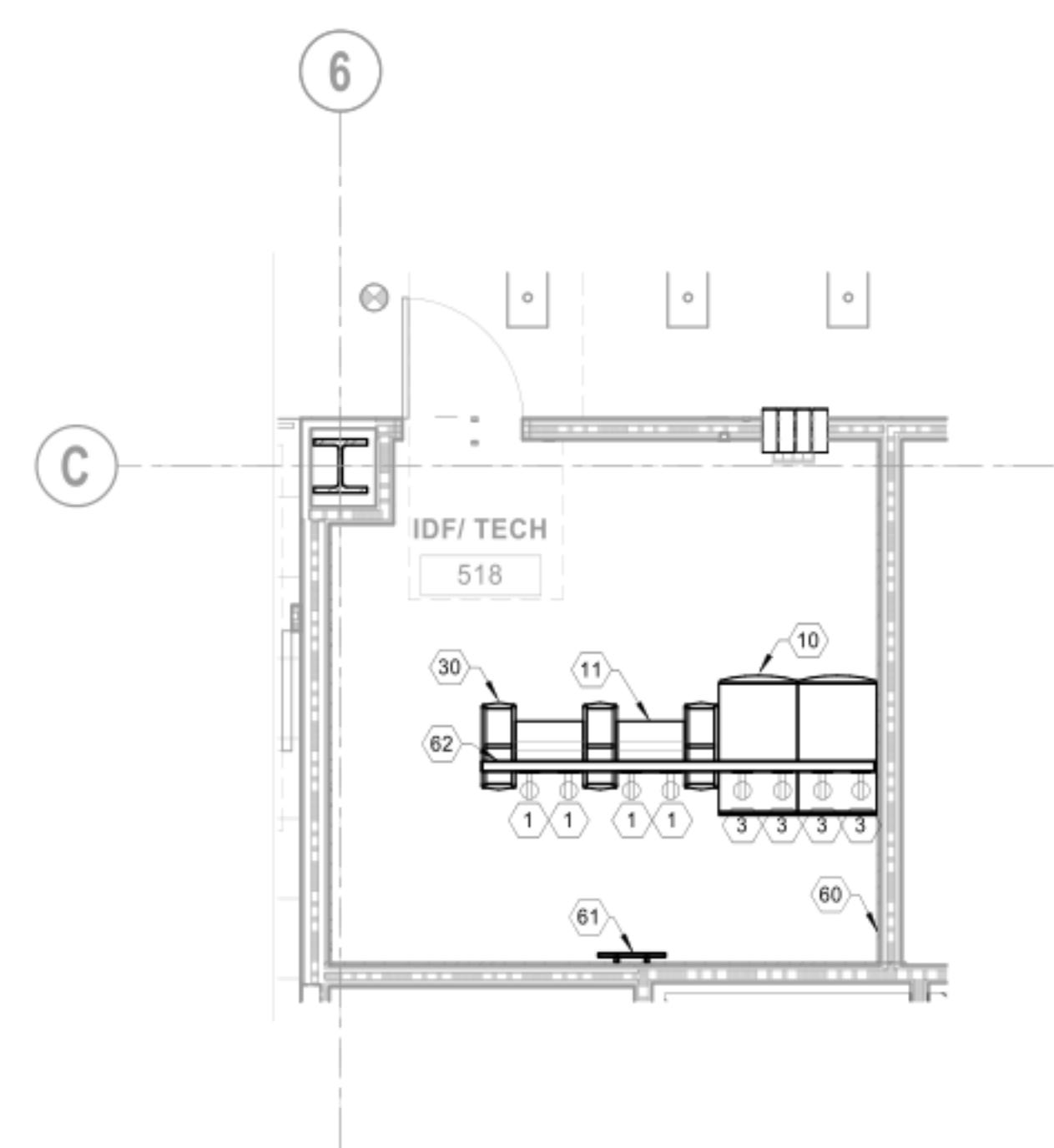
④ TELECOM RACK ELEVATION - IDF-418  
SCALE NTS



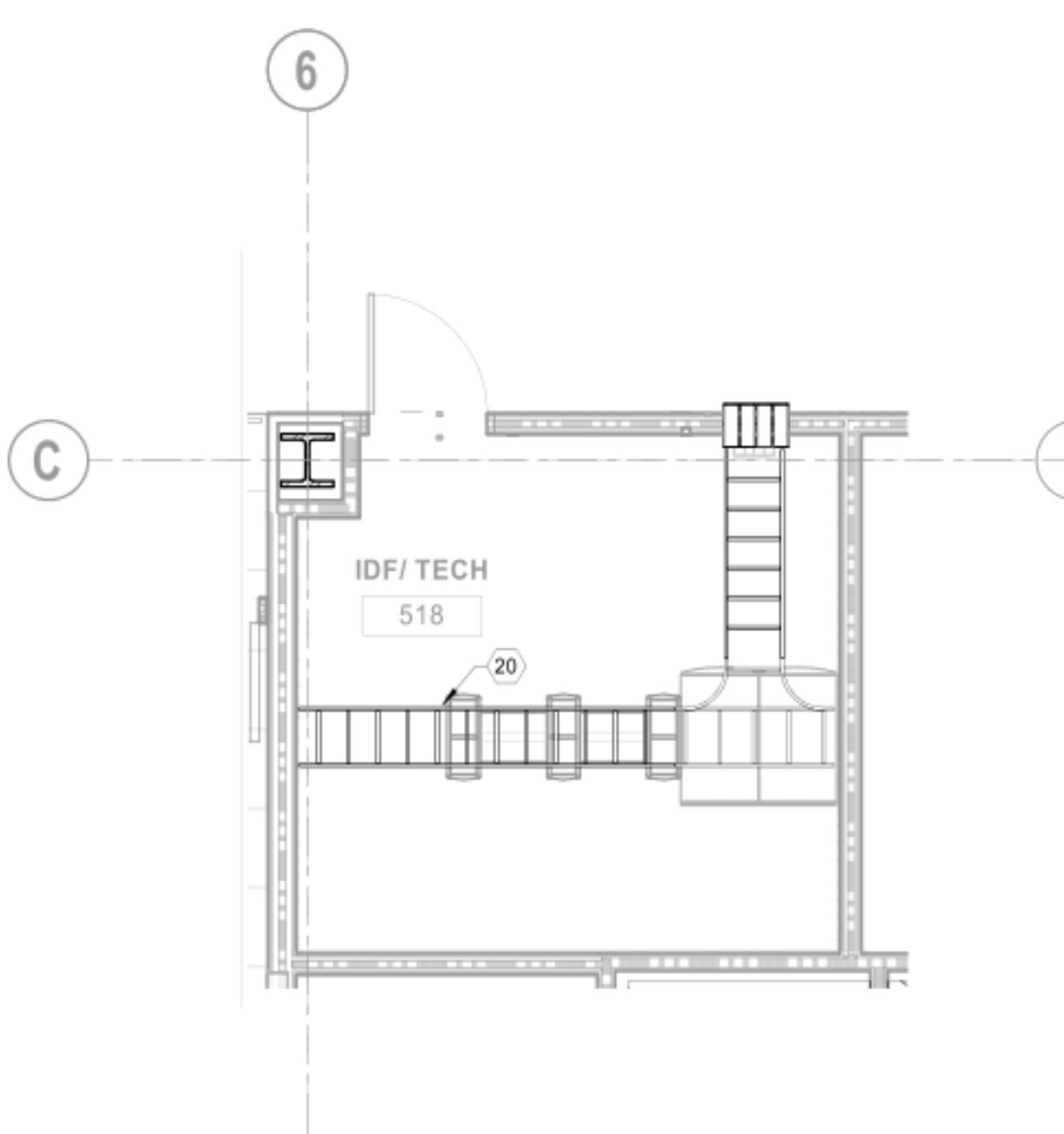
① AUDIOVISUAL CABINET ELEVATION - IDF-418  
SCALE NTS

1	HORIZONTAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L14-20 RECEPTACLE
3	VERTICAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L21-20 RECEPTACLE
10	EQUIPMENT CABINET
11	EQUIPMENT RACK
20	18" BASKET CABLE TRAY
30	10" DOUBLE SIDE VERTICAL CABLE MANAGEMENT
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING BUSBAR
62	POWER BUS

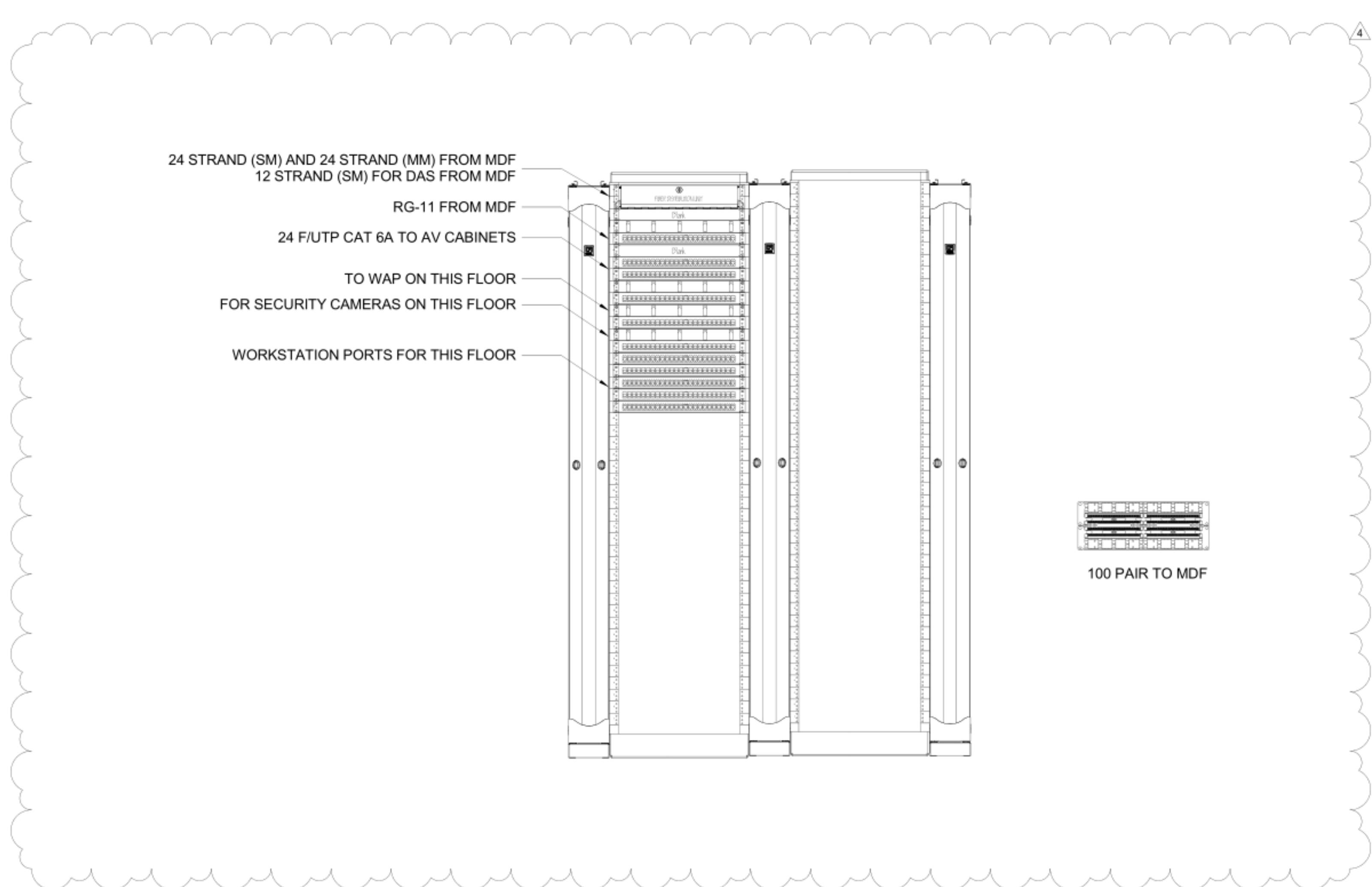
**GENERAL NOTES:**  
1. ALL SWITCHES ARE OWNER FURNISHED AND OWNER INSTALLED (OFOI)



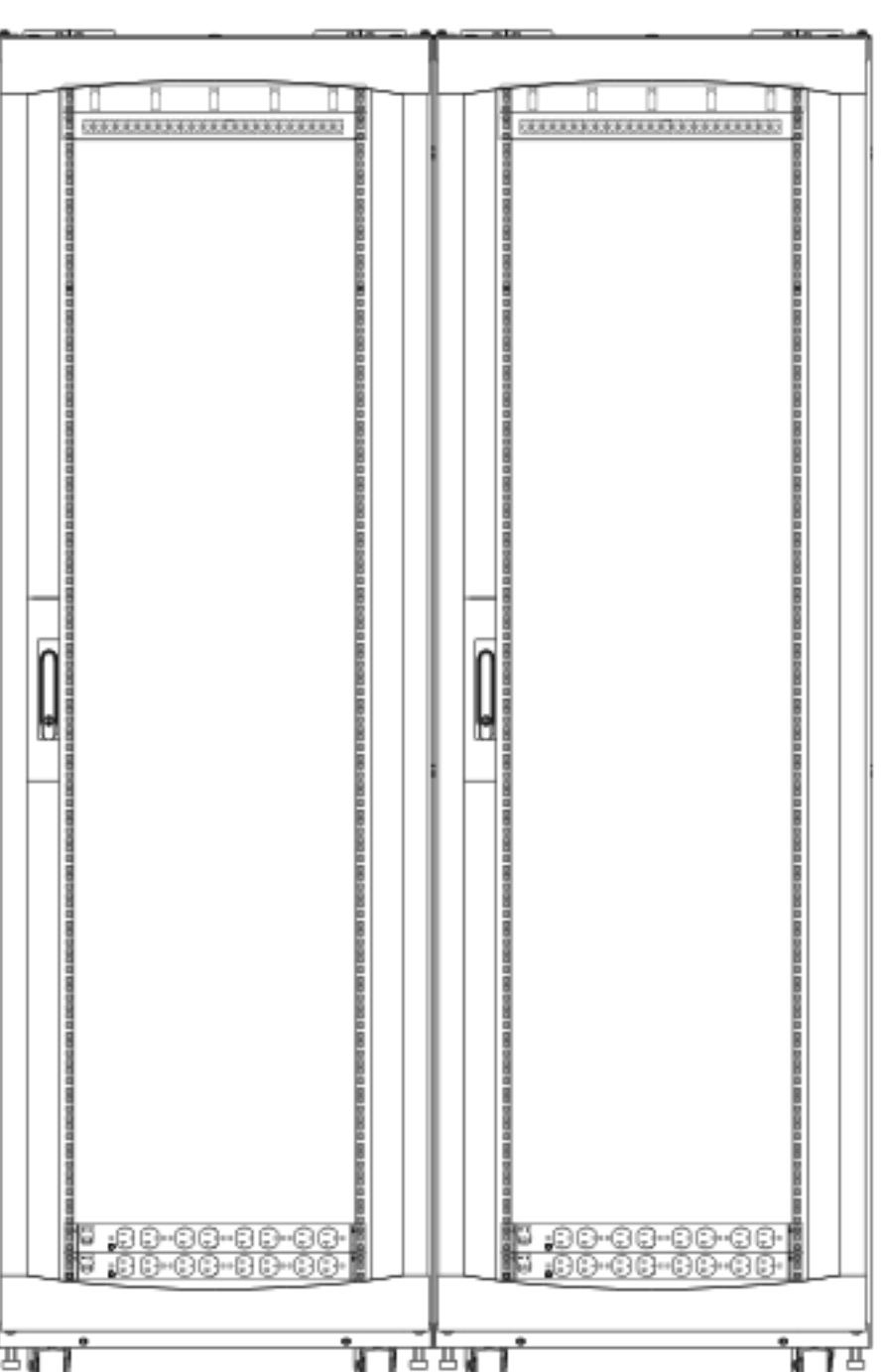
③ TELECOM - IDF-518 FLOOR PLAN  
SCALE 1/4" = 1'-0"



② TELECOM - IDF-518 CEILING PLAN  
SCALE 1/4" = 1'-0"



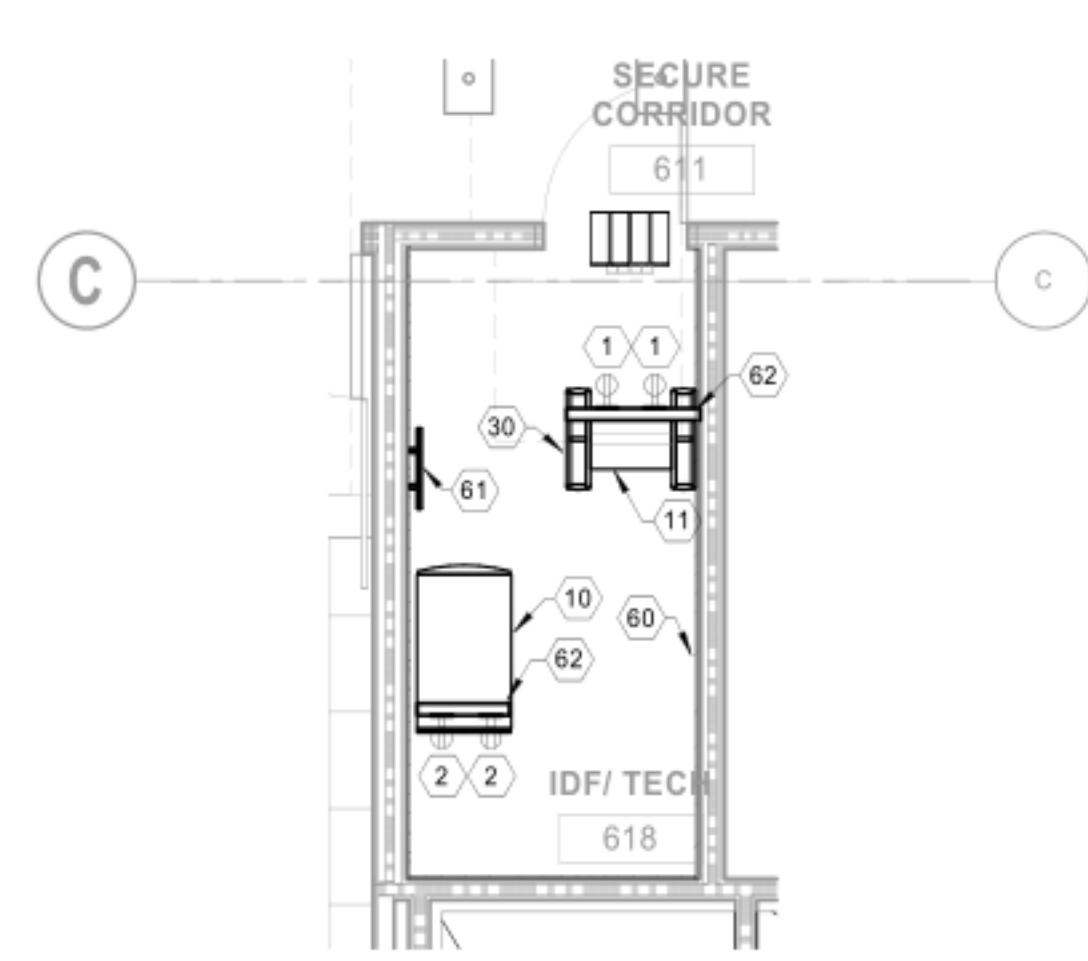
④ TELECOM RACK ELEVATION - IDF-518  
SCALE NTS



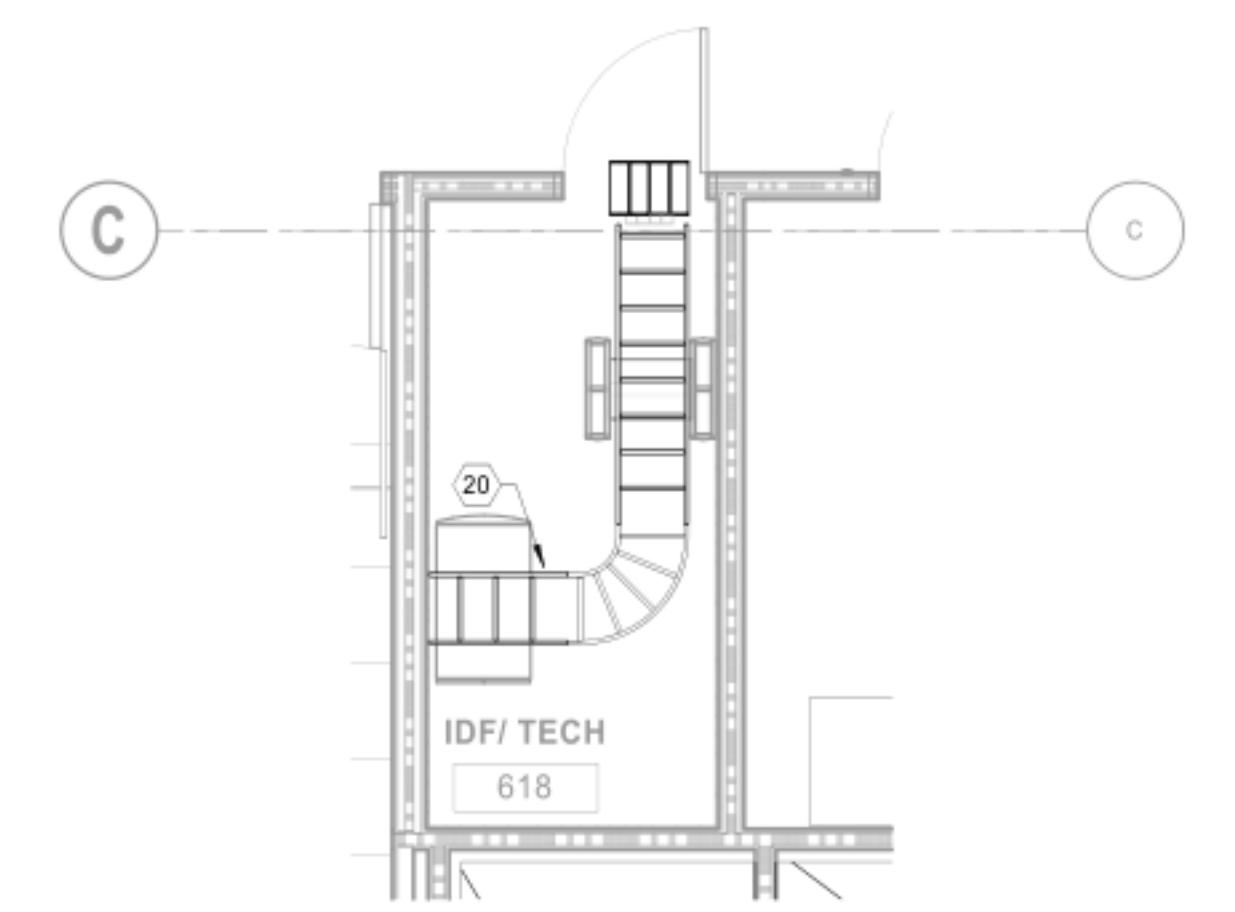
① AUDIOVISUAL CABINET ELEVATION - IDF-518  
SCALES NTS

1	HORIZONTAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L14-20 RECEPTACLE
2	VERTICAL POWER DISTRIBUTION UNIT (PDU) EACH PDU RECEIVES (1) L21-20 RECEPTACLE
10	EQUIPMENT CABINET
11	EQUIPMENT RACK
20	18" BASKET CABLE TRAY
30	18" DOUBLE SIDE VERTICAL CABLE MANAGEMENT
60	3/4" FIRE TREATED PLYWOOD
61	TELECOM GROUNDING BUSBAR
62	POWER BUS

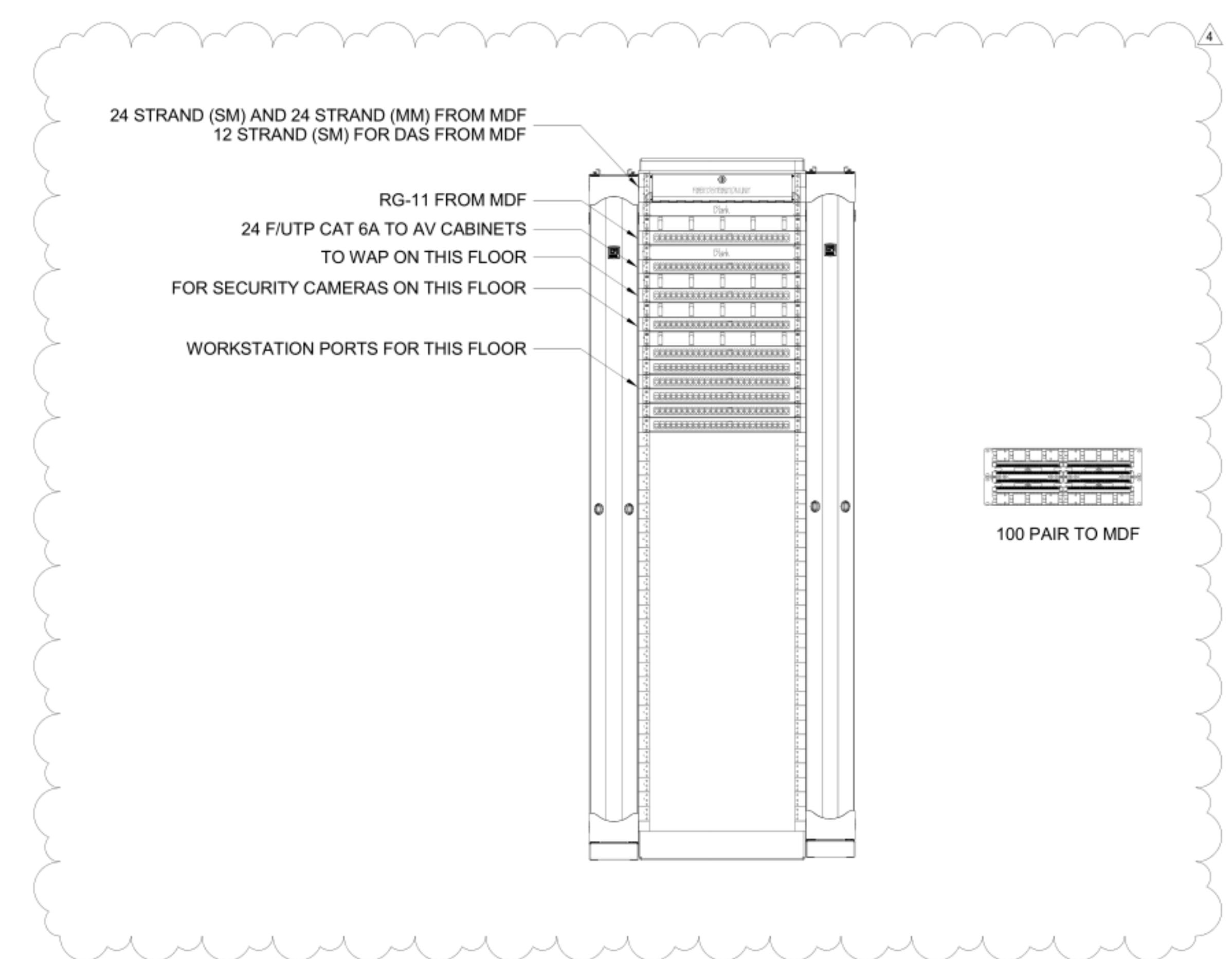
**GENERAL NOTES:**  
1. ALL SWITCHES ARE OWNER FURNISHED AND OWNER INSTALLED (OFOI)



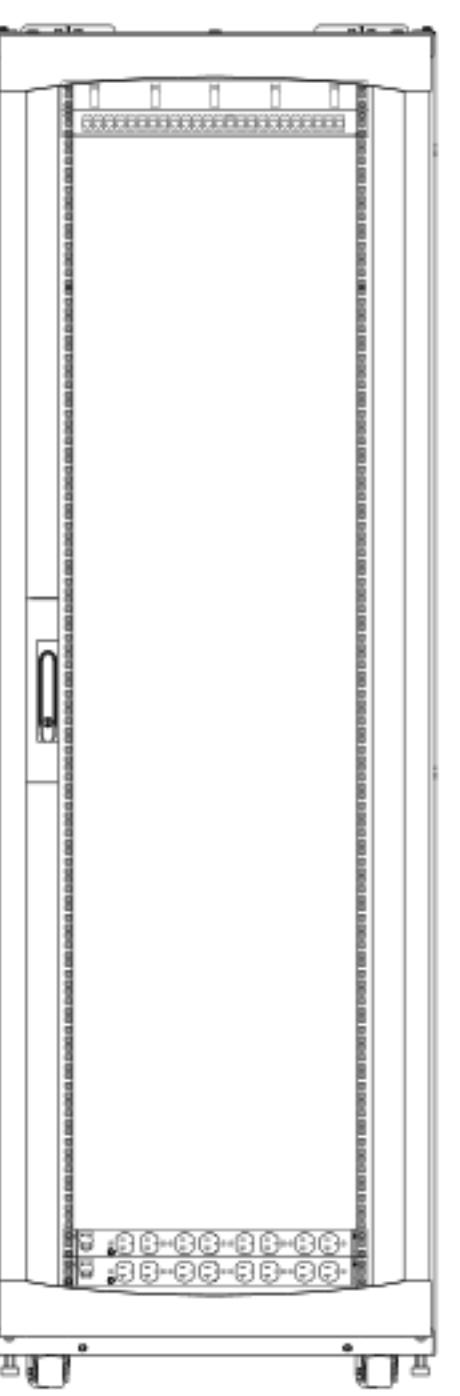
③ TELECOM - IDF-618 FLOOR PLAN  
SCALE 1/4" = 1'-0"



② TELECOM - IDF-618 CEILING PLAN  
SCALE 1/4" = 1'-0"



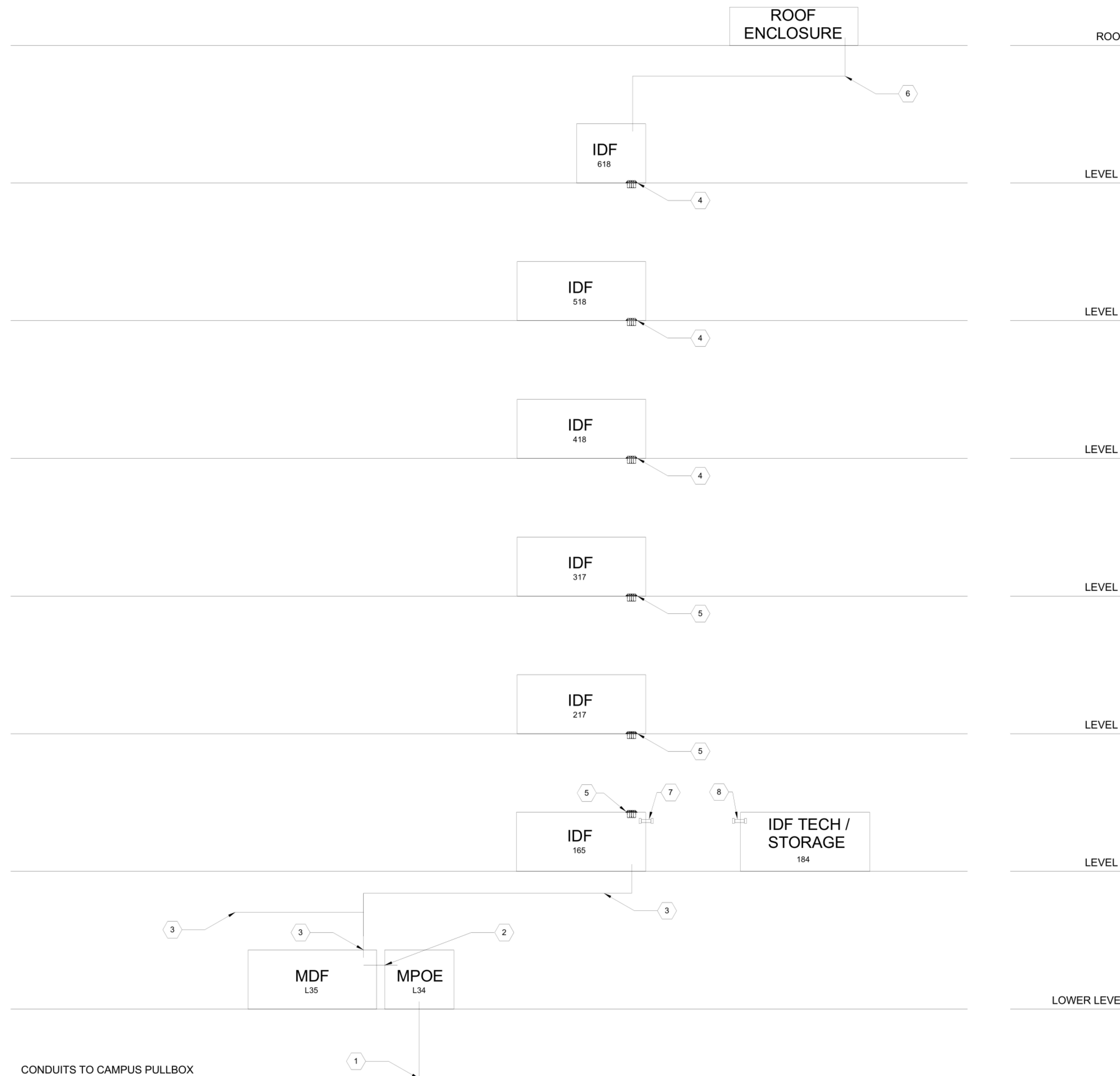
④ TELECOM RACK ELEVATION - IDF-618  
SCALE NTS



① AUDIOVISUAL CABINET ELEVATION - IDF-618  
SCALE NTS

#### TELECOM KEY NOTES:

ALL CABLES PLACED IN UNDERGROUND CONDUITS SHALL BE  
INDOOR/OUTDOOR RATED.



#### SHEET NOTES:

1. ALL PATHWAYS ARE DIAGRAMMATIC AND ARE SHOWN FOR REFERENCE ONLY.
2. COORDINATE ROUTING AND INSTALLATION OF TELECOM CONDUITS WITH SITE CONDITIONS ADHERING TO CONTRACT DOCUMENTS, INDUSTRY STANDARDS, AND BICSI BEST PRACTICES.

1 TELECOM BACKBONE CONDUIT RISER DIAGRAM  
SCALE NTS

PRINTED ON: 12/8/2020 3:24:05 PM  
GENERAL NOTES:

**WALKER**  
TELECOMM, INC.

Phone: 530-652-4169 | Fax: 530-641-1258  
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Wheatland, CA 95692 Wheatland, CA 95692 Bay Area: 835 Arnold Drive  
Nevada: 8521 White Fir Street Suite #104/Bay 1  
Reno, NV 89523 Martinez, CA 94553

Santa Rosa Criminal  
Courthouse  
2685 Ventura Avenue  
Santa Rosa, CA 95403

TELECOM BACKBONE  
CONDUIT RISER DIAGRAM

RMPA Project No. 09110

DATE: 01/14/16  
SCALE: NTS  
DRAWN BY: DB  
CHGD BY: RSA

TT6.0.0

## TELECOM KEY NOTES:

ALL CABLES PLACED IN UNDERGROUND CONDUITS SHALL BE INDOOR/OUTDOOR RATED.

- 1 MPOE TO MDF BACKBONE CABLE  
 (1) 48-STRAND MULTIMODE OPTICAL FIBER  
 (1) 72-STRAND SINGLE-MODE OPTICAL FIBER  
 (4) 25-PAIR CATEGORY 5E UTP  
 (2) RG-11

- 2 MDF TO EACH IDF BACKBONE CABLE  
 (1) 24-STRAND MULTIMODE OPTICAL FIBER  
 (1) 24-STRAND SINGLE-MODE OPTICAL FIBER  
 (2) 25 PAIR CAT 5E UTP  
 (2) RG-11 COAX

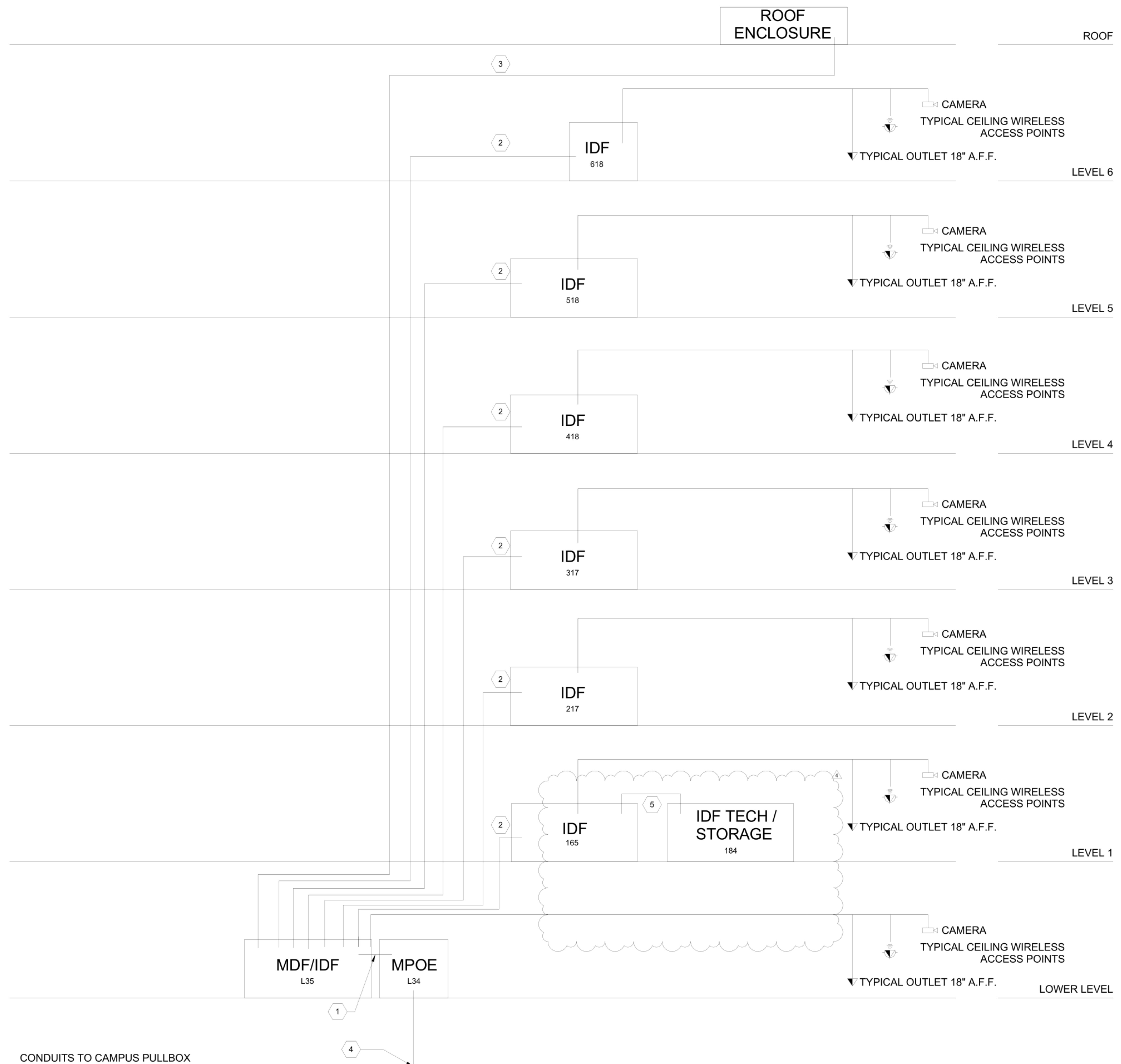
- 3 ALL CABLES SHALL BE INDOOR/OUTDOOR RATED TO ROOF TELECOM ENCLOSURE  
 (1) 12-STRAND SINGLE-MODE OPTICAL FIBER  
 (2) CATEGORY 6A F/UTP  
 (4) RG-11 COAX

- 4 CONNECTIVITY PROVIDED BY SERVICE PROVIDERS

- 5 12 STRAND (SM) ARMORED FIBER OPTIC CABLE

## SHEET NOTES:

1. ALL PATHWAYS ARE DIAGRAMMATIC AND ARE SHOWN FOR REFERENCE ONLY.
2. COORDINATE ROUTING AND INSTALLATION OF TELECOM CONNECTIVITY WITH SITE CONDITIONS ADHERING TO CONTRACT DOCUMENTS, INDUSTRY STANDARDS, AND BICSI BEST PRACTICES.
3. PROVIDE MINIMUM 15-FEET SERVICE SLACK AT EACH END OF FIBER OPTIC CABLES INSIDE TELECOM ROOMS. WALL MOUNT SLACK LOOPS ON FACTORY MANUFACTURED FIBER OPTIC SLACK LOOP BRACKETS.
4. PROVIDE MINIMUM 10-FEET SERVICE SLACK FOR ALL COPPER BACKBONE CABLES INSIDE TELECOM ROOMS. SERVICE SLACK TO BE STORED ON CABLE RUNWAY.



### 1 TELECOM CONNECTIVITY BACKBONE CABLING

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 GENERAL NOTES:



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Santa Rosa Criminal Courthouse  
 2685 Ventura Avenue  
 Santa Rosa, CA 95403

RMPLA Project No. 09110

TELECOM CONNECTIVITY -  
 BACKBONE CABLING RISER  
 DIAGRAM

DATE: 01/26/16  
 SCALE: NTS  
 DRAWN BY: Author  
 CHECKED BY: Checker

TT6.0.1

#### TELECOM KEY NOTES:

ALL CABLES PLACED IN UNDERGROUND CONDUITS SHALL BE  
INDOOR/OUTDOOR RATED.

- ① MPOE TO MDF  
(1) 72-STRAND SINGLE-MODE OPTICAL FIBER CABLE
- ② MDF TO EACH IDF  
(1) 12-STRAND SINGLE-MODE OPTICAL FIBER CABLE
- ③ CONNECTIVITY PROVIDED BY SERVICE PROVIDERS



#### SHEET NOTES:

1. ALL PATHWAYS ARE DIAGRAMMATIC AND ARE SHOWN FOR REFERENCE ONLY.
2. COORDINATE ROUTING AND INSTALLATION OF DAS CONNECTIVITY WITH SITE CONDITIONS ADHERING TO CONTRACT DOCUMENTS, INDUSTRY STANDARDS, AND BICSI BEST PRACTICES. PATH MUST BE LEVEL 3 RATED.
3. DAS PATHWAYS SHALL COMPLY WITH CURRENT ADOPTED VERSION OF NFPA 72 AND AHJ REQUIREMENTS
4. PROVIDE MINIMUM 15-FEET SERVICE SLACK AT EACH END OF FIBER OPTIC CABLES INSIDE TELECOM ROOMS. WALL MOUNT SLACK LOOPS ON FACTORY MANUFACTURED FIBER OPTIC SLACK LOOP BRACKETS.
5. VERIFY CONNECTIVITY REQUIREMENTS WITH SERVICE PROVIDER PRIOR TO PURCHASE AND INSTALLATION OF CABLING. THE PATH IS LEVEL 3 RATED AND IT WILL BE UP TO THE CONDUIT INSTALLERS TO ADHERE TO THE REQUIREMENT

1 TELECOM CONNECTIVITY DAS CABLING RISER DIAGRAM  
SCALE NTS

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TELECOM CONNECTIVITY -  
DAS CABLING RISER  
DIAGRAM

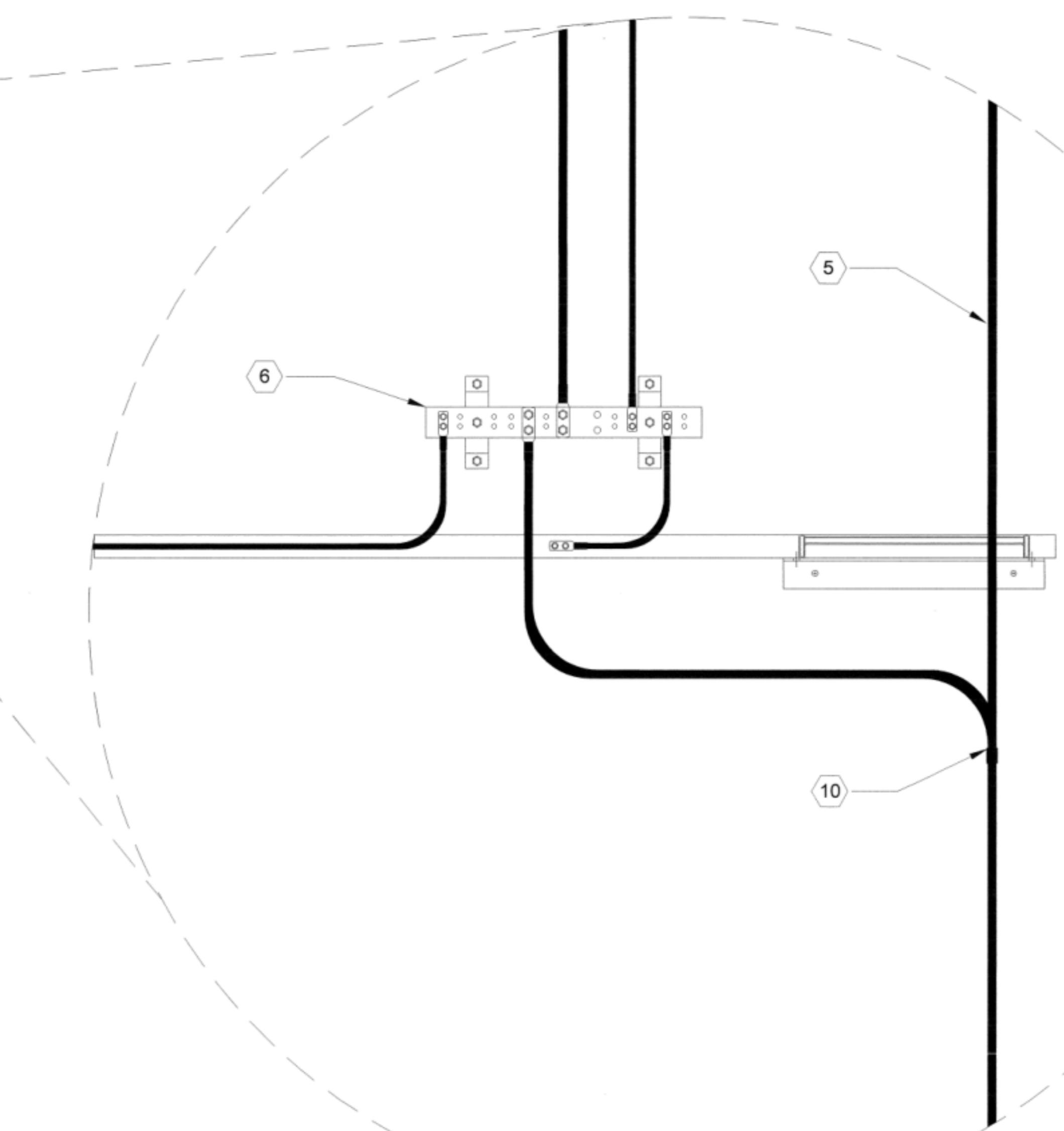
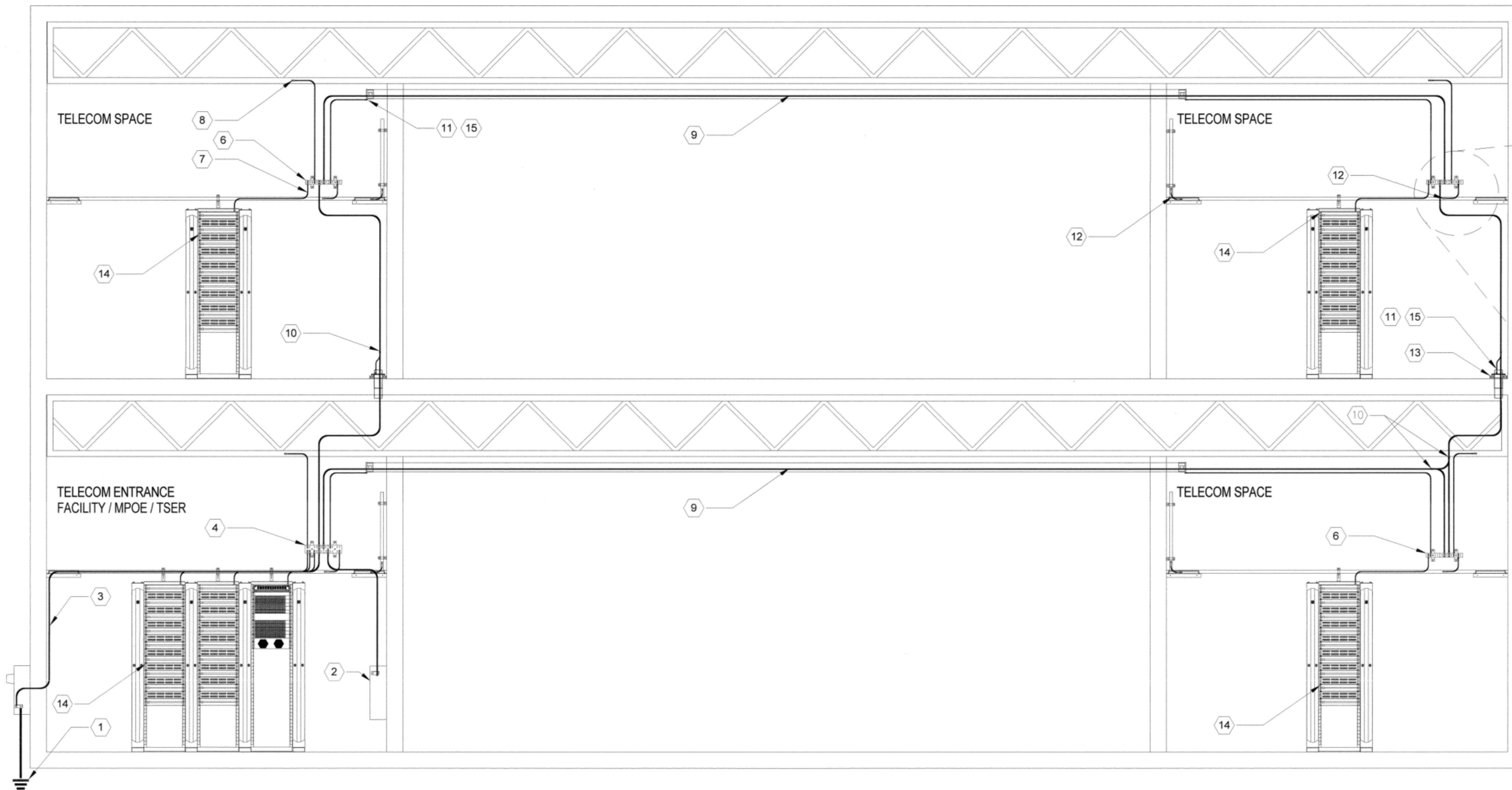
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CHECKED BY: RSA

REVIEWED  
FOR  
CODE COMPLIANCE  
Sep 11, 2020

INTERWEST CONSULTING GROUP

TT6.0.2

RMP10 Project No. 09110



TYPICAL TELECOM BONDING AND GROUNDING RISER DIAGRAM:

TELECOM KEY NOTES:

- |   |   |
|---|---|
| (1) BUILDING GROUNDING ELECTRODE                                  | (9) GROUNDING EQUALIZER - FIRST, TOP, AND EVERY THIRD FLOOR   |
| (2) PRIMARY PROTECTOR   | (10) IRREVERSIBLE EXOTHERMIC OR C-TYPE COMPRESSION TAP CONNECTION TO TBB (TYP)                                    |
| (3) BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT)                | (11) BONDING CONDUCTOR CONNECTION TO PATHWAY (TYP)  |
| (4) TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB)               | (12) BONDING METALLIC COMPONENTS (TYP)  |
| (5) TELECOMMUNICATION BONDING BACKBONE (TBB)                      | (13) EZ-PATH FIRE RATED PATHWAY (TYP)   |
| (6) TELECOMMUNICATIONS GROUNDING BUSBAR (TGB)                     | (14) STAR WASHER BETWEEN EQUIPMENT AND RACK TO EFFECT BONDING TO RACK (TYP)                                       |
| (7) TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR (TEBC) TO RACK | (15) BOND MAY BE INDIVIDUAL CONDUCTOR OR OPTIONAL PIGTAIL SPLICE TO BONDING CONDUCTOR ROUTED INSIDE CONDUIT (TYP) |
| (8) BUILDING STEEL BONDING CONNECTION (TYP)                       |   |

1 TELECOM BONDING AND GROUNDING RISER DIAGRAM  
SCALE NTS

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



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
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Sep 11, 2020  
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TELECOM BONDING &  
GROUNDING RISER  
DIAGRAM  
DATE: 01/14/16  
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DRAWN BY: DB  
CHECKED BY: RSA







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GENERAL NOTES:

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TELECOM DETAILS

DATE: 01/14/16  
SCALE: NTS  
DRW BY: DB  
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RMPLA Project No. 09110