	<u>VIE</u>
● NAME → LE 10' - 0" → HE PR	VEL NAME GHT ABOVE OJECT 0' - 0"
	VIÉW 1/8" = 1'-0"
N _{CRT} ⁺	
	SIM
	1- M101-
	SIM
	1 3 <u>T101</u>
LINE TYPE KEY:	
	ORK BY THIS CONTRA RK SOLID LINE)
	ORK UNDERFLOOR O RK LONG DASHED LIN
	ORK BY E.C. AND/OR HT SOLID LINE)
	G TO BE REMOVED B RK SHORT DASHED L

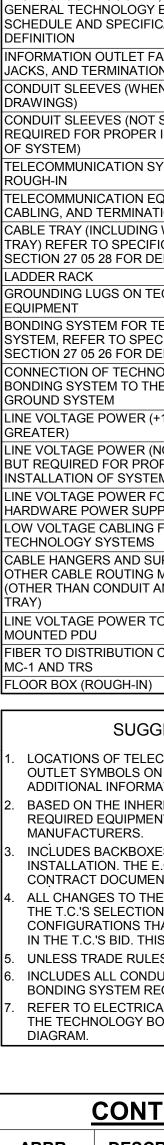
			TEOU]						
	VIEW KEY			NOLOGY SYMBOL LIST		<u> </u>	GGESTED MA			•	
NAME - LEVEL NAME 10' - 0" - HEIGHT ABOVE PROJECT 0' - 0"		STIVIDUL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:	GENERAL TEC	ITEM: ROUGH-IN, REFER TO HNOLOGY EQUIPMENT	SHOWN ON: I T-SERIES	E.C.	E.C.	NOTES: 3. 4.
	SHEET AND/OR DETAIL	© ^{C#}	<u>SC-IO-C</u>	INFORMATION OUTLET (CEILING)	1., 5.	DEFINITION	ID SPECIFICATIONS FOR	T-SERIES	T.C.	T.C.	
	PLAN OR DETAIL NUMBER	C# ▼	<u>SC-IO-W</u>	INFORMATION OUTLET (WALL)	1.	JACKS, AND TE	ERMINATIONS EVES (WHEN SHOWN ON	T-SERIES	E.C.	E.C.	
		WAP	<u>SC-WAP-W</u>	WIRELESS ACCESS POINT DEVICE/ENCLOSURE (WALL)		DRAWINGS) CONDUIT SLEE REQUIRED FO	EVES (NOT SHOWN BUT R PROPER INSTALLATION	N/A	T.C.	T.C.	2.4.
		₩	SC-WP-W	WALL PHONE		OF SYSTEM) TELECOMMUN		T-SERIES	E.C.	E.C.	1.
N _{CRT} ^A	PLAN OR DETAIL SCALE	© ^{C#}	<u>SC-IO-F</u>	INFORMATION OUTLET (FLOOR)	1., 4.	ROUGH-IN TELECOMMUN CABLING, AND	IICATION EQUIPMENT,	T-SERIES	T.C.	T.C.	
S	INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS	• •	SC-IO-FB	ELECTRICAL FLOOR BOX WITH TECHNOLOGY	1., 4.	CABLE TRAY (I TRAY) REFER	INCLUDING WIRE BASKET TO SPECIFICATION 5 28 FOR DEFINITION	T-SERIES	E.C.	E.C.	
1	DETAIL REFERRED TO BY SECTION CUT	©	<u>SC-FF-F</u>	POKE THROUGH FOR FURNITURE FEED		LADDER RACK GROUNDING L		T-SERIES T-SERIES	T.C. E.C.	T.C. E.C.	5.
		JB	PW-JB-W	JUNCTION BOX - WALL			TEM FOR TECHNOLOGY ER TO SPECIFICATION	T-SERIES	E.C.	E.C.	6, 7.
SIM	DETAIL REFERRED TO BY ELEVATION	CAM ## - ##	N/A	CLOSED CIRCUIT TELEVISION (CCTV) WALL CAMERA	3.	SECTION 27 05 CONNECTION	OF TECHNOLOGY TEM TO THE ELECTRICAL	T-SERIES	E.C.	E.C.	
4 3 <u>T10</u>	1	(CAM)	N/A	CLOSED CIRCUIT TELEVISION (CCTV) CEILING CAMERA	3	GROUND SYST		E-SERIES	E.C.	E.C.	
LINE TYPE KEY:		CR1	AC-CR1-W	CREDENTIAL READER - TYPE 1	2.		E POWER (NOT SHOWN D FOR PROPER	N/A	E.C.	E.C.	2. 4.
NEW WORK BY THIS (DARK SOLID LIN		CR5	AC-CR5-W	CREDENTIAL READER - TYPE 5	2	INSTALLATION	I OF SYSTEM) E POWER FOR DOOR	ARCH SPEC	E.C.	E.C.	
— — — — NEW WORK UNDERF (DARK LONG DAS	ELOOR OR UNDERGROUND BY THIS CONTRACTOR SHED LINE)	CSS	N/A	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	2.		OWER SUPPLIES E CABLING FOR SYSTEMS	T-SERIES	T.C.	T.C.	
NEW WORK BY E.C. A (LIGHT SOLID LIN	AND/OR EXISTING TO REMAIN IE)		AC-DR-W	SECURITY DURESS/PANIC BUTTON (WALL)	2	CABLE HANGE OTHER CABLE	RS AND SUPPORTS OR ROUTING METHODS CONDUIT AND CABLE	T-SERIES	T.C.	T.C.	5.
EXISTING TO BE REM (DARK SHORT DA	NOVED BY THIS CONTRACTOR ASHED LINE)		AC-DR-S	SECURITY DURESS/PANIC BUTTON (WALL)	2.	TRAY) LINE VOLTAGE	POWER TO RACK	T-SERIES	T.C.	E.C.	
					2.	MOUNTED PDU FIBER TO DIST MC-1 AND TRS	RIBUTION CABINETS IN	T-SERIES	E.C.	E.C.	
			<u>AC-EDR-S</u>	ELECTRONIC DOOR RELEASE (UNDER COUNTER)		FLOOR BOX (R		T & E SERIES	E.C.	E.C.	
	BARRIER DESIGNATIONS	CM1	<u>AV-CM1-W</u>	PTZ CAMERA (WALL) - TYPE 1			SUGGESTED MAT	RIX OF RES	PONSIBILITY	NOTES	
CONTRACTOR SHALL VERIFY RATINGS	E CONVENIENCE OF THE CONTRACTOR. THE WITH THE LATEST SET OF ARCHITECTURAL PLANS AND O COMPLY WITH THOSE RATINGS WHETHER SHOWN OR	WP1	<u>AV-WP1-W</u> AV-WP2-W	AUDIO/VISUAL FACEPLATE (WALL) - TYPE 1 AUDIO/VISUAL FACEPLATE (WALL) - TYPE 2		OUTLET SY ADDITIONA	S OF TELECOMMUNICATIC YMBOLS ON THE DRAWING AL INFORMATION.	S. REFER TO TH	E TECHNOLOGY	SYMBOL LIST F	OR
1 HOUR FIRE BARRIER		WP3					I THE INHERENT DIFFEREN DEQUIPMENT MAY NOT BE TURERS.				
2 HOUR FIRE BARRIER		WP3	<u>AV-WP3-W</u>	AUDIO/VISUAL FACEPLATE (WALL) - TYPE 3		INSTALLAT	BACKBOXES AND CONDU TION. THE E.C. SHALL BASE T DOCUMENTS.				THE
3 HOUR FIRE BARRIER			<u>AV-WP4-W</u>	AUDIO/VISUAL FACEPLATE (WALL) - TYPE 4		4. ALL CHANC THE T.C.'S	GES TO THE SLEEVES, BAC SELECTION OF AN ALTERI	NATE ACCEPTAB	LE MANUFACTU	RER OR FROM S	YSTEM
			<u>AV-ANT-C</u>	ANTENNA (CEILING)		IN THE T.C	RATIONS THAT ARE LEFT TO S BID. THIS BID SHALL INC RADE RULES DICTATE OTH	CLUDE INSTALLA			
APPL	ICABLE CODES	C1	<u>CC-C1-W</u>	CLOCK (WALL) - TYPE 1		6. INCLUDES	ALL CONDUCTORS, GROU SYSTEM REQUIRED BY THI	ND BARS, AND T		OR THE COMPLE	ETE
CONTRACTOR SHALL COMPLY V	WITH APPLICABLE CODES AND LOCAL AMENDMENTS.	C2	<u>CC-C2-W</u>	CLOCK (WALL) - TYPE 2			ELECTRICAL DRAWINGS F NOLOGY BONDING RISER I				
BUILDING CODE:	IBC 2009, AS MODIFIED BY THE CITY OF MADISON AND THE WISCONSIN ADMINISTRATIVE CODE	WIDTH X	HEIGHT	CABLE TRAY, CHANNEL TRAY, BASKET TRAY							
FIRE CODE:	IEBC 2009 IFC 2015, AS MODIFIED BY THE CITY OF MADISON		HEIGHT	LADDER RACK			CONTRACTO	R ABBRI	EVIATIO	<u>N KEY</u>	
	NFPA: 914, 2010	DIAMET	TERø C	CONDUIT		ABBR:	DESCRIPTION:				
ELECTRICAL CODE:	NFPA: 13, 14, 20, AND 72 2013 NFPA 70 (NEC) 2011 EDITION		-			A.T.C. A.V.C.	AUTOMATIC TEMPERA AUDIO/VISUAL CONTRA		CONTRACTOR		
HEALTH DEPARTMENT CODE:	CURRENT EDITION		`	CONDUIT DOWN		C.M.	CONSTRUCTION MANA	GER			
LOCAL BUILDING CODE:	CURRENT EDITION	<u> </u>	o	CONDUIT UP OR UP/DOWN		E.C. F.P.C.	ELECTRICAL CONTRAC				
		E		CONDUIT SLEEVE		G.C.					
				CONTINUATION		M.C. S.C.	MECHANICAL CONTRAC				
						T.C.	TECHNOLOGY CONTRA				
				GENERAL NOTES:							

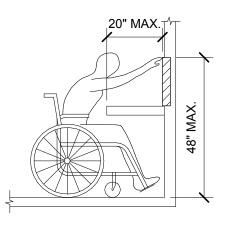
<u>\</u>	/IEW KEY		TECH	NOLOGY SYMBOL LIST		SUGGESTED MAT	FRIX OF	RESPO	NSIBILI	ΤY
NAME - LEVEL NAME	INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT	SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:	TECHNOLOGY ROUGH-IN, REFER TO	SHOWN ON: F	URNISHED BY: E.C.	INSTALLED B E.C.	Y: NOTES 3.4.
PROJECT 0' - 0"	WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL	© ^{C#}	<u>SC-IO-C</u>	INFORMATION OUTLET (CEILING)	1., 5.	GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION				
	INDICATES DIRECTION OF TRUE NORTH	C# ▽	<u>SC-IO-W</u>	INFORMATION OUTLET (WALL)	1.	INFORMATION OUTLET FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
	PLAN OR DETAIL NAME	WAP	<u>SC-WAP-W</u>	WIRELESS ACCESS POINT DEVICE/ENCLOSURE (WALL)		CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS) CONDUIT SLEEVES (NOT SHOWN BUT	T-SERIES N/A	E.C. T.C.	E.C. T.C.	2.4.
			SC-WP-W	WALL PHONE		REQUIRED FOR PROPER INSTALLATION OF SYSTEM)				
	PLAN OR DETAIL SCALE	∇	SC-IO-F	INFORMATION OUTLET (FLOOR)	14.	TELECOMMUNICATION SYSTEMS ROUGH-IN TELECOMMUNICATION EQUIPMENT,	T-SERIES	E.C. T.C.	E.C. T.C.	1.
	INDICATES SIMILAR DETAIL	♥ ●●● ^{C#}			,	CABLING, AND TERMINATIONS CABLE TRAY (INCLUDING WIRE BASKET	T-SERIES	E.C.	E.C.	
	REFERENCED IN MULTIPLE LOCATIONS DETAIL REFERRED TO BY SECTION CUT		SC-IO-FB	ELECTRICAL FLOOR BOX WITH TECHNOLOGY	1., 4.	TRAY) REFER TO SPECIFICATION SECTION 27 05 28 FOR DEFINITION	T-SERIES	T.C.	T.C.	5.
M1017	SHEET DETAIL IS LOCATED ON	@	<u>SC-FF-F</u>	POKE THROUGH FOR FURNITURE FEED		GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	E.C.	E.C.	
	INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS	JB	<u>PW-JB-W</u>	JUNCTION BOX - WALL		BONDING SYSTEM FOR TECHNOLOGY SYSTEM, REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.C.	E.C.	6, 7.
SIM 4	DETAIL REFERRED TO BY ELEVATION	CAM ## - ##	N/A	CLOSED CIRCUIT TELEVISION (CCTV) WALL CAMERA	3.	CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	
<u>3 T101</u> -	- SHEET DETAIL IS LOCATED ON	CAM	N/A	CLOSED CIRCUIT TELEVISION (CCTV) CEILING CAMERA	3.	LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
NE TYPE KEY: 		CR1	AC-CR1-W	CREDENTIAL READER - TYPE 1	2.	LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	E.C.	E.C.	2.4.
(DARK SOLID LINE)	OOR OR UNDERGROUND BY THIS CONTRACTOR	CR5	AC-CR5-W	CREDENTIAL READER - TYPE 5	2.	HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
(DARK LONG DASH	IED LINE)	CSS	N/A	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	2.	LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS CABLE HANGERS AND SUPPORTS OR	T-SERIES	T.C. T.C.	T.C.	5.
		DR	AC-DR-W	SECURITY DURESS/PANIC BUTTON (WALL)	2.	OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)				
(DARK SHORT DAS		D R	AC-DR-S	SECURITY DURESS/PANIC BUTTON (SURFACE)	2.	LINE VOLTAGE POWER TO RACK MOUNTED PDU	T-SERIES	T.C.	E.C.	
		EDR	AC-EDR-S	ELECTRONIC DOOR RELEASE (UNDER COUNTER)		FIBER TO DISTRIBUTION CABINETS IN MC-1 AND TRS FLOOR BOX (ROUGH-IN)	T-SERIES	E.C.	E.C. E.C.	
FIRE / SMOKE B	ARRIER DESIGNATIONS	СМ1	AV-CM1-W	PTZ CAMERA (WALL) - TYPE 1		SUGGESTED MATE				
TRACTOR SHALL VERIFY RATINGS V NISH ALL MATERIALS REQUIRED TO	CONVENIENCE OF THE CONTRACTOR. THE WITH THE LATEST SET OF ARCHITECTURAL PLANS AND COMPLY WITH THOSE RATINGS WHETHER SHOWN OR	WP1	<u>AV-WP1-W</u>	AUDIO/VISUAL FACEPLATE (WALL) - TYPE 1		1. LOCATIONS OF TELECOMMUNICATIONS OUTLET SYMBOLS ON THE DRAWINGS. ADDITIONAL INFORMATION.	S ROUGH-INS SI	HALL BE INDICA	ATED BY THE IN	
DUR FIRE BARRIER		WP2	AV-WP2-W	AUDIO/VISUAL FACEPLATE (WALL) - TYPE 2		2. BASED ON THE INHERENT DIFFERENCE REQUIRED EQUIPMENT MAY NOT BE SH				
OUR FIRE BARRIER		WP3	<u>AV-WP3-W</u>	AUDIO/VISUAL FACEPLATE (WALL) - TYPE 3		MANUFACTURERS. 3. INCLUDES BACKBOXES AND CONDUIT INSTALLATION. THE E.C. SHALL BASE T				
OUR FIRE BARRIER		WP4	<u>AV-WP4-W</u>	AUDIO/VISUAL FACEPLATE (WALL) - TYPE 4		CONTRACT DOCUMENTS. 4. ALL CHANGES TO THE SLEEVES, BACK	BOXES, CONDU	ITS, AND POWE	ER REQUIRED E	BECAUSE O
		ANT	<u>AV-ANT-C</u>	ANTENNA (CEILING)		THE T.C.'S SELECTION OF AN ALTERNA CONFIGURATIONS THAT ARE LEFT TO IN THE T.C.'S BID. THIS BID SHALL INCL	THE CHOICE OF	THE CONTRAC	CTOR SHALL BE	E INCLUDED
		C1	<u>CC-C1-W</u>	CLOCK (WALL) - TYPE 1		 UNLESS TRADE RULES DICTATE OTHER INCLUDES ALL CONDUCTORS, GROUND 	D BARS, AND TE		OR THE COMPI	LETE
	CABLE CODES TH APPLICABLE CODES AND LOCAL AMENDMENTS.	C2	<u>CC-C2-W</u>	CLOCK (WALL) - TYPE 2		BONDING SYSTEM REQUIRED BY THE S 7. REFER TO ELECTRICAL DRAWINGS FOI THE TECHNOLOGY BONDING RISER DIA DIAGRAM.	R LOCATIONS O	F PANELS AND		
DING CODE:	IBC 2009, AS MODIFIED BY THE CITY OF MADISON AND THE WISCONSIN ADMINISTRATIVE CODE	WIDTH >	(HEIGHT	CABLE TRAY, CHANNEL TRAY, BASKET TRAY						
	IEBC 2009		K HËIGHT	LADDER RACK		CONTRACTOR	ABBRE		N KEY	
CODE:	IFC 2015, AS MODIFIED BY THE CITY OF MADISON					ABBR: DESCRIPTION:				
	NFPA: 914, 2010 NFPA: 13, 14, 20, AND 72 2013	DIAME	TERø C	CONDUIT				ONTRACTOR		
TRICAL CODE: TH DEPARTMENT CODE:	NFPA 70 (NEC) 2011 EDITION CURRENT EDITION			CONDUIT DOWN		A.V.C. AUDIO/VISUAL CONTRAC C.M. CONSTRUCTION MANAGE				
AL BUILDING CODE:	CURRENT EDITION		o	CONDUIT UP OR UP/DOWN		E.C. ELECTRICAL CONTRACTOR F.P.C. FIRE PROTECTION CONT				
						G.C. GENERAL CONTRACTOR				
		C]	CONDUIT SLEEVE						
				CONDUIT SLEEVE CONTINUATION		M.C. MECHANICAL CONTRACT S.C. SECURITY CONTRACTOR				

- ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE
- DESCRIPTION AND ITEMS. ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED

INFORMATION.

- ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL
 - TECHNOLOGY SYMBOL NOTES:
- "C#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON FOR ADDITIONAL INFORMATION.
- REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T502 FOR ADDITIONAL INFORMATION. REFER TO CLOSED CIRCUIT (CCTV) INDIVIDUAL CAMERA REQUIREMENTS SCHEDULE AND CAMERA TYPE SCHEDULE ON T503 FOR ADDITIONAL INFORMATION. SYMBOL SUBSCRIPT INDICATES FLOOR NUMBER-CAMERA NUMBER. A CAMERA HEIGHT IDENTIFIES THE HEIGHT
- FROM THE FLOOR TO THE CENTER OF THE CAMERA LENS. NO HEIGHT REFERS TO MOUNTING THE CAMERA ON THE CEILING. REFER TO THE INDIVIDUAL CAMERA SCHEDULE AND THE INDIVIDUAL CAMERA TYPE SCHEDULE FOR ADDITIONAL INFORMATION. INFORMATION OUTLET INSTALLED IN E.C. PROVIDED FLOOR BOX. "C#" INDICATES
- INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T503 FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION. "C2-WAP" AND "WAP" INDICATE INFORMATION OUTLET FACEPLATE CONFIGURATION AND
- SUGGESTED WIRELESS ACCESS POINT LOCATION. CONTRACTOR SHALL PROVIDE AND INSTALL ROUGH-IN FOR WIRELESS ACCESS POINT AND SHALL INSTALL OWNER PROVIDED ACCESS POINT.

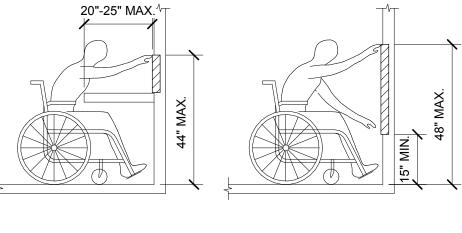




INSTALL ABOVE COUNTER

DEVICE AT 44" ABOVE

FINISHED FLOOR.



INSTALL ABOVE COUNTER DEVICE AT 40" ABOVE FINISHED FLOOR. ADA GUIDELINES - FRONT ACCESS



TECHNOLOGY GENERAL NOTES:

- <u>SC-GND-1</u> INDICATES GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION" 2. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
- TECHNOLOGY MOUNTING SUBSCRIPT KEY: MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH MOUNT ORIENTED HORIZONTALLY MOUNT IN CASEWORK
- MOUNT IN MODULAR FURNITURE MOUNT IN SURFACE RACEWAY

A SLASH IS USED BETWEEN TWO SUBSCRIPTS, e.g., A/H.

TECHNOLOGY INSTALLATION NOTES:

- 1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATIONS DETAIL ON THIS PAGE FOR ADDITIONAL INFORMATION. 2. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC.
- UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE. 3. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE
- OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER. 4. VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO
- MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION, ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT. 5. TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO
- ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR. 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL
- OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS. 7. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL
- BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 27 05 03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING. 8. REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF
- TELECOMMUNICATIONS WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
- 9. ALL LADDER RACK AND CABLE TRAY SIZES ARE AS DEFINED ON THE DRAWINGS. REFER TO SPECIFICATION SECTIONS 27 05 28 AND 27 11 00 FOR APPROVED MANUFACTURERS AND INSTALLATION REQUIREMENTS. 10. FLUSH MOUNT ALL TELECOMMUNICATION OUTLETS AT +18" FROM FLOOR (CENTERLINE
- DIMENSION), EXCEPT WHERE OTHERWISE NOTED. OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.

	TECHNOLOGY ABBREVIATION KEY
ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
BFC	BELOW FINISHED CEILING
С	CONDUIT
J-BOX	JUNCTION BOX
SIM	SIMILAR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR
MC-#	MAIN TELECOMMUNICATIONS ROOM
TR-#	TELECOMMUNICATIONS ROOM

TEI	LECOM ROO	M REFERENC	<u>CES</u>
TELECOM ROOM	DETAIL / SHEET REFERENCE	FLOOR PLAN REFERENCE	ARCH ROOM NUMBER
MC-1	1/T201	0/T100	021
TR-2	4/T201	0/T100	041
TR-3	1/T202	1/T101	148
TR-4	4/T202	1/T101	128
TR-5	7/T202	1/T101	117
TR-6	1/T203	2/T102	219
TR-7	5/T203	2/T102	208
TR-8	5/T203	2/T102	267
TR-9	1/T204	3/T103	319
TR-10	5/T204	3/T103	308

TECHNOLOGY SHEET INDEX

- T000 TECHNOLOGY COVER SHEET TD100 GROUND FLOOR DEMOLITION PLAN - TECHNOLOGY
- T100 GROUND LEVEL PLAN TECHNOLOGY T101 LEVEL ONE PLAN - TECHNOLOGY
- T102 LEVEL TWO PLAN TECHNOLOGY T103 LEVEL THREE PLAN - TECHNOLOGY
- T104 ROOF ATTIC PLAN TECHNOLOGY T201 ENLARGED PLANS - TECHNOLOGY
- T202 ENLARGED PLANS TECHNOLOGY
- T203 ENLARGED PLANS TECHNOLOGY T204 ENLARGED PLANS - TECHNOLOGY
- T205 ENLARGED PLANS TECHNOLOGY
- T301 DETAILS TECHNOLOGY T302 DETAILS - TECHNOLOGY
- T401 RISER DIAGRAMS TECHNOLOGY T402 RISER DIAGRAMS - TECHNOLOGY
- T501 SCHEDULES TECHNOLOGY
- T502 SCHEDULES TECHNOLOGY T503 SCHEDULES - TECHNOLOGY

INSTALL DEVICE AT 18" ABOVE FINISHED FLOOR.



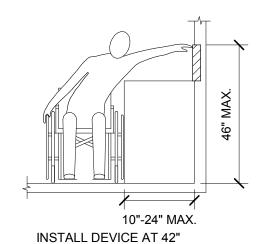
ADA STANDARDS FOR ACCESSIBLE DESIGN

10" MAX.

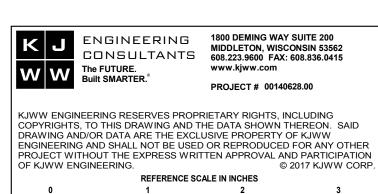
ADA GUIDELINES - SIDE ACCESS

INSTALL DEVICE AT 44"

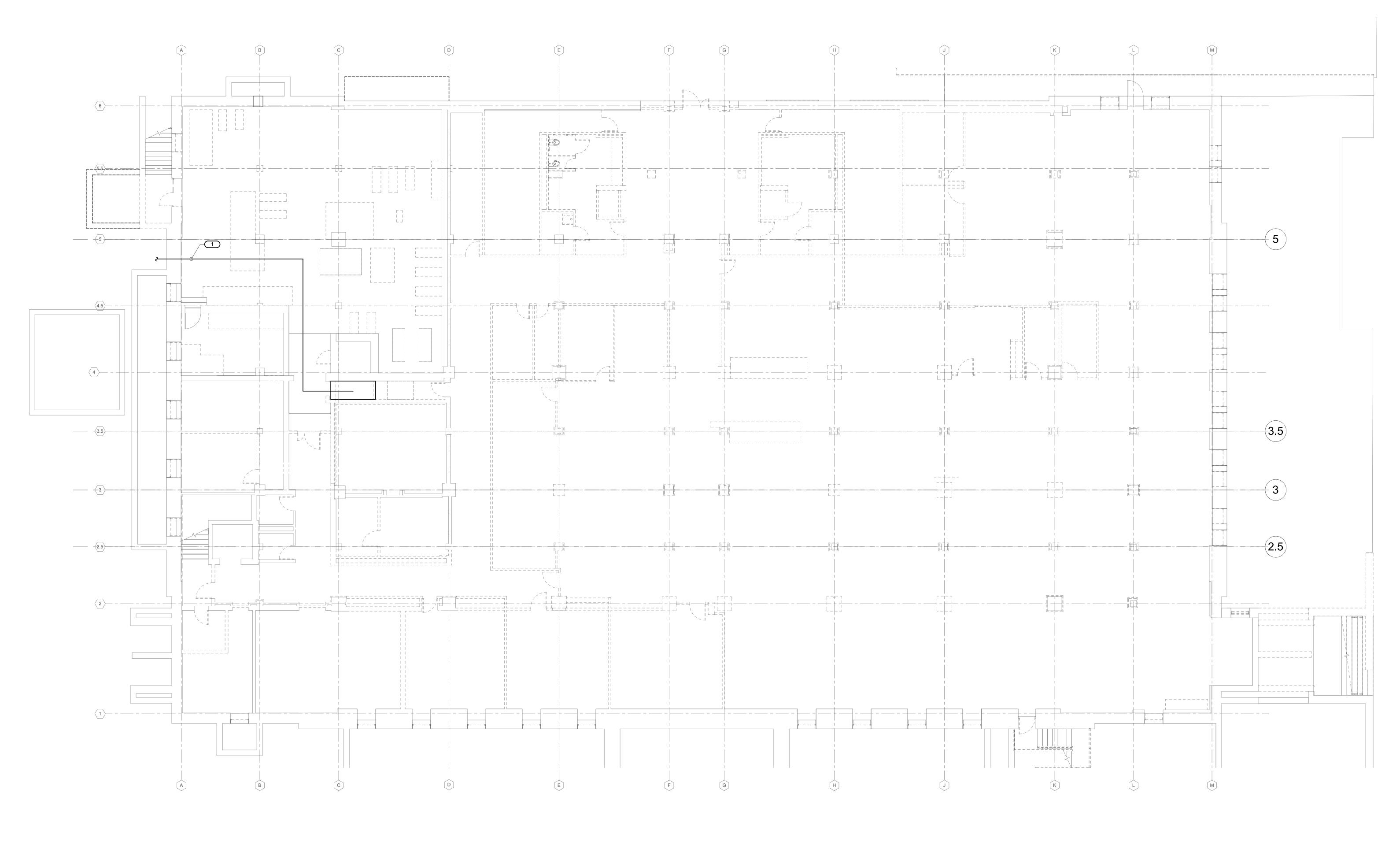
ABOVE FINISHED FLOOR.



ABOVE FINISHED FLOOR.



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MEP Engineers	
MEP Assoc 860 Blue Gentian Ro	
Eagan, MN 55121 651.379.9120 tel	
Lighting Designer	sion
30232 County 7 Chatfield, MN 55923	5.91
507.867.1628 tel	
Preservation Archited Charles Qu	agliana, AIA
5641 Willoughby Rd. Mazomanie, WI 5356 608.449.9589 tel	0
Building Envelope Co	onsultant
115 E. Main Street, S	sulting Architects
Madison, WI 53703 608.204.0825 tel	
Fire & Code Consulta	e Consulting
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GROUND FLOOR DEMOLITION PLAN - TECHNOLOGY

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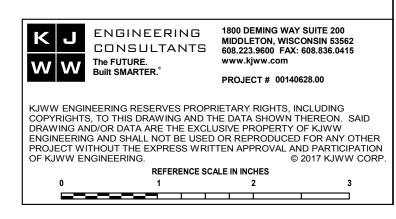
GENERAL SHEET NOTES: 1. EXISTING FIBER TO BE PULLED BACK.

CONTRACTOR SHALL CONFIRM WITH OWNER THAT THE FIBER IS NO LONGER IN SERVICE BEFORE PULLING IT BACK.

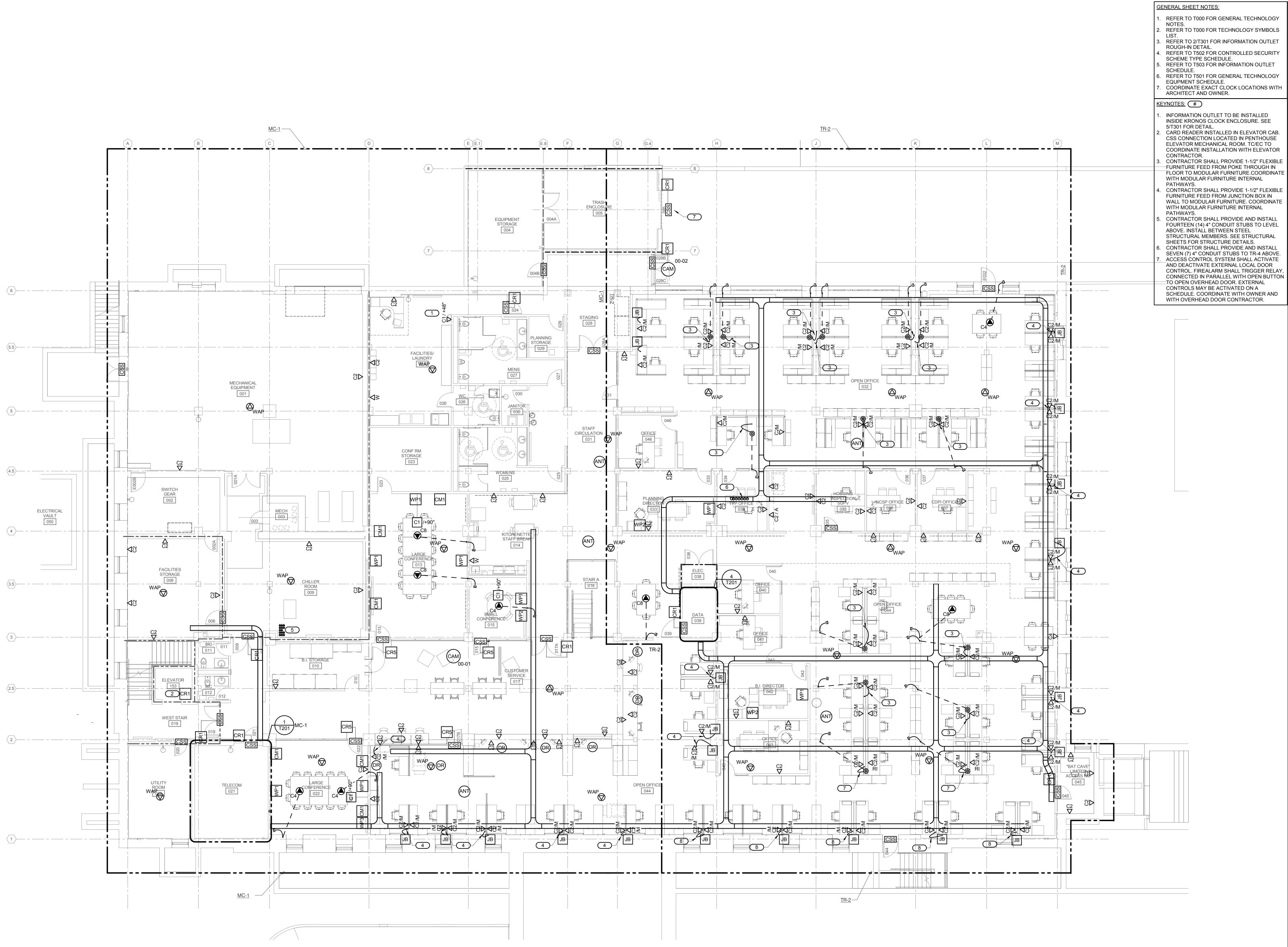
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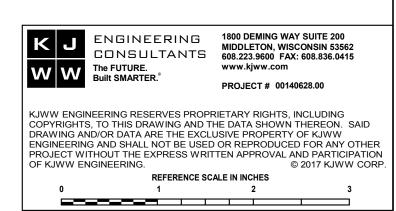
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1800 Deming Way Middleton, WI 5371 608.223.9600 tel	Suite 200 3
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303 South Paterson St. Madison, WI 53703 608.251.3600 tel	
Structural Engineering, Techn	blogy, AV
1800 Deming Way, Suite 200 Middleton, WI 53713 608.223.9600 tel	
MEP Engineers	
MEP Associates	-
Eagan, MN 55121 651.379.9120 tel	
Lighting Designer Gallina Design	
30232 County 7 Chatfield, MN 55923 507.867.1628 tel	
Preservation Architect Charles Quaglia	ana AIA
5641 Willoughby Rd. Mazomanie, WI 53560 608.449.9589 tel	
Building Envelope Consultant	
Insite Consulting	g Architects
Madison, WI 53703 608.204.0825 tel	
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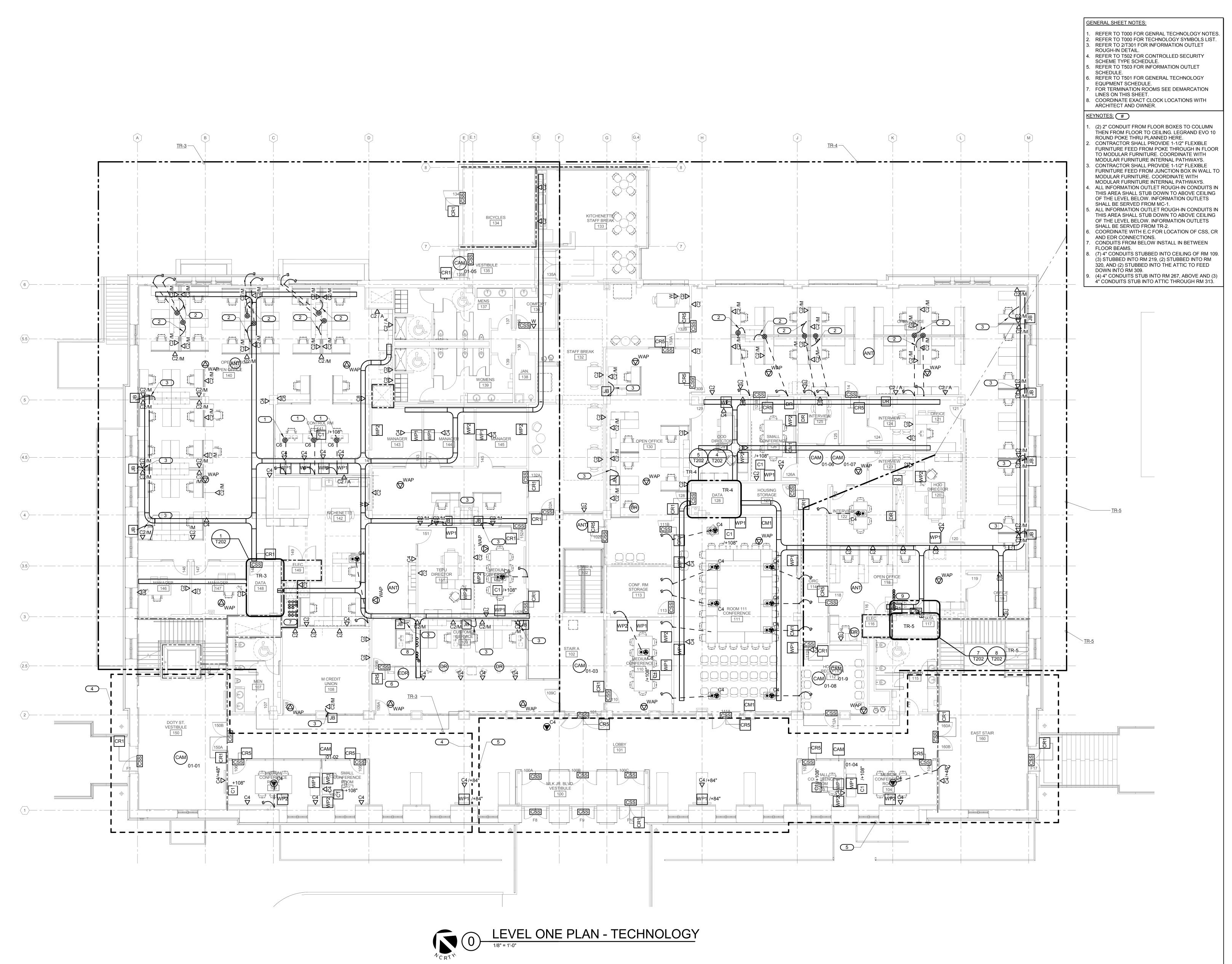
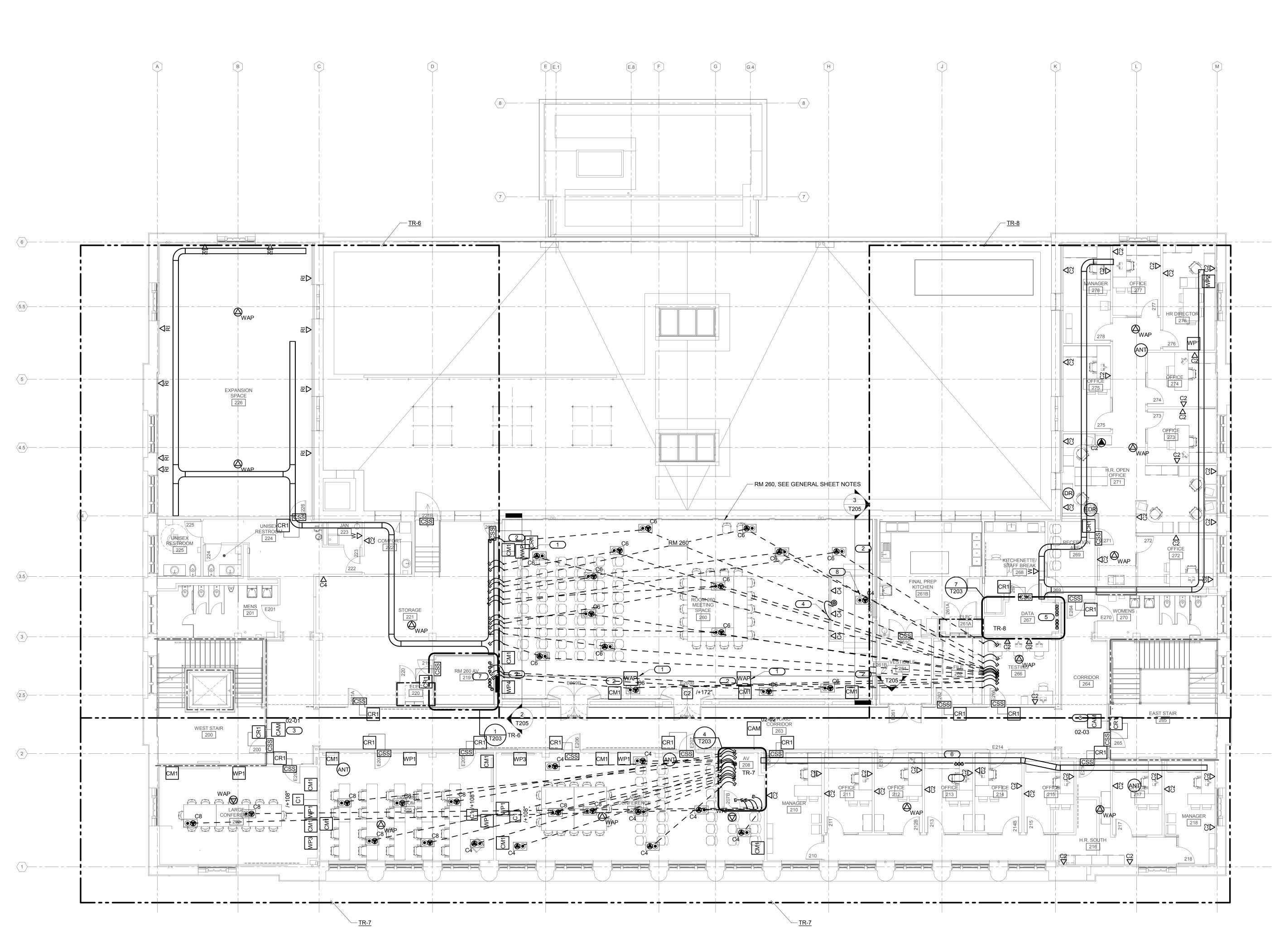




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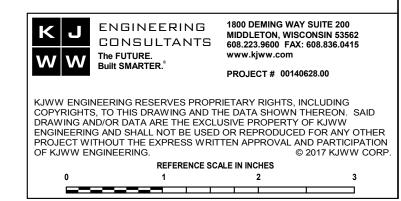
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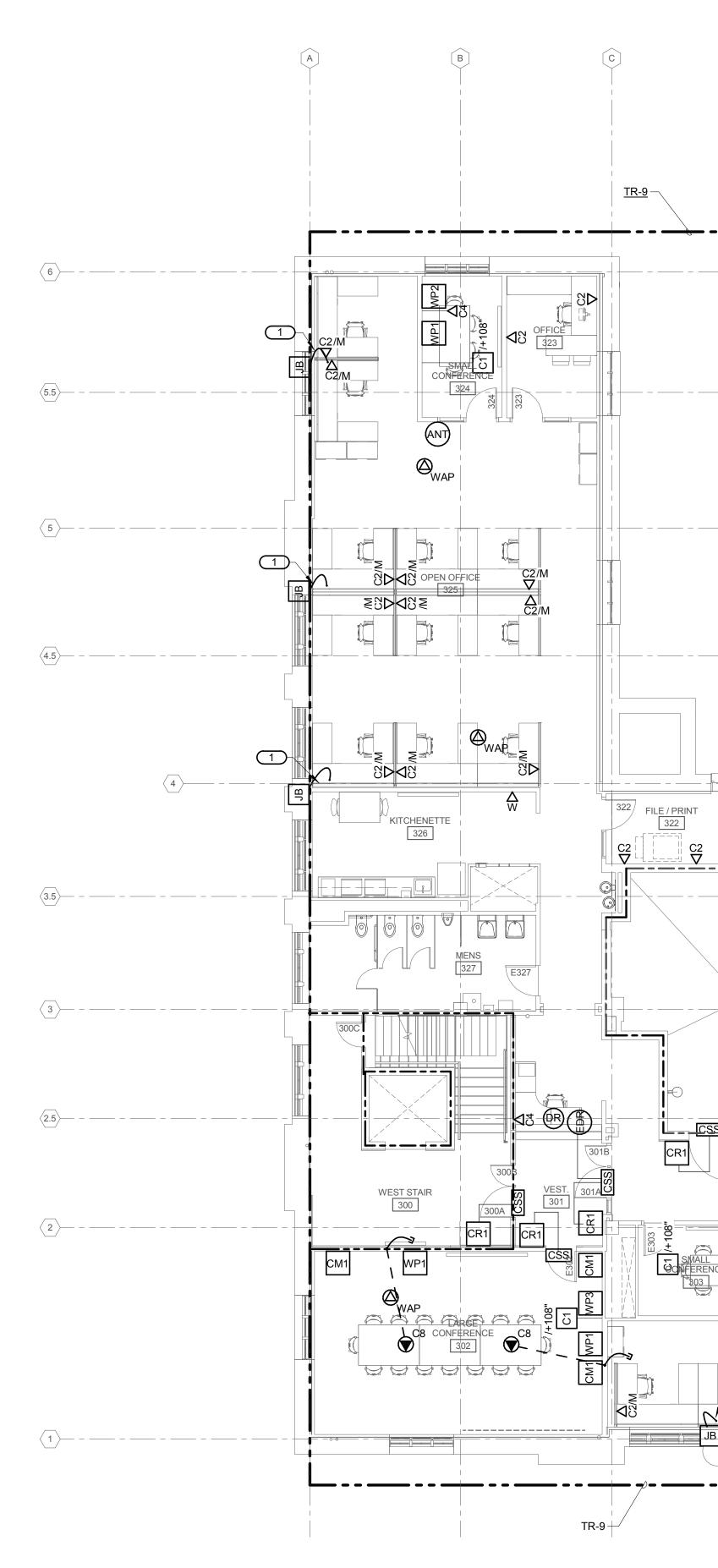


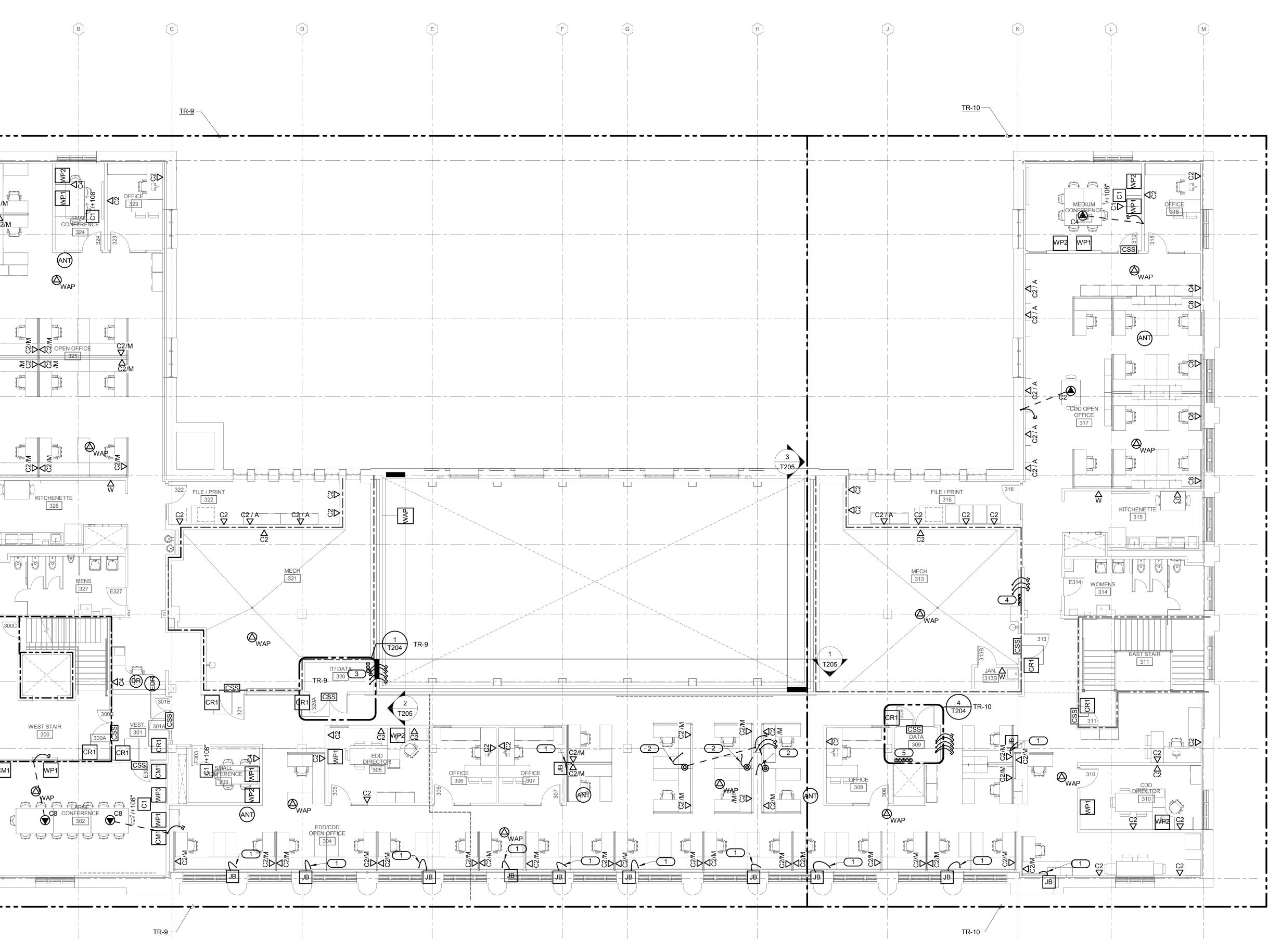
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4.	REFER TO 5/T301 FOR KRONOS CLOCK ENCLOSUR
5.	REFER TO T502 FOR CONTROLLED SECURITY SCHEME TYPE SCHEDULE.
6.	REFER TO T503 FOR INFORMATION OUTLET SCHEDULE.
7.	REFER TO T501 FOR GENERAL TECHNOLOGY EQUPMENT SCHEDULE.
8.	LEGRAND RFB6 FLOOR BOX AT LOCATIONS IN RM 260 TO SERVE BOTH SETS OF INFORMATION OUTLETS.
9.	FOR TERMINATION ROOMS SEE DEMARCATION LINES ON THIS SHEET.
10.	ALL C6 INSTALLED IN FLOOR BOXES IN RM 260 SHALL RECEIVE FOUR (4) INFORMATION OUTLET
	JACKS WITH CABLES TERMINATED TO RM 260AV AND TWO (2) INFORMATION OUTLET JACKS WITH
11.	CABLES TERMINATED TO ROOM TR-8. COORDINATE WITH ELECTRICAL CONTRACTOR FOI EXACT CONDUIT LAYOUT.
<u>KE</u>	YNOTES: #
1.	WAP INSTALLED IN DISUSED AIR RETURN. SEE T205 FOR DETAILS.
2.	ROUGH-IN SPEAKER CABLING FOR FUTURE LOCATION OF SPEAKER BEHIND GRILLE IN DISUSEI AIR RETURN. REFER TO T205 FOR ROOM 260 ELEVATIONS.
3.	MOUNT CAMERA ABOVE GLASS WALL, ATTACH TO GYPSUM SOFFIT.
4.	CONTRACTOR SHALL PROVIDE 1-1/2" FLEXIBLE FURNITURE FEED FROM POKE THROUGH FLOOR TO THE DESK. COORDINATE WITH MODULAR FURNITURE INTERNAL PATHWAYS.
5.	(4) 4" CONDUIT STUDBBED INTO ROOM 267, (3) 4" CONDUITS CONTINUE INTO THE ATTIC THROUGH
6.	ROOM 313 ABOVE. (3) 4" CONDUITS FROM ATTIC STUBBED INTO THE CEILING OF ROOM 213 ABOVE THE CABLE TRAY.

7. (7) 4" CONDUITS FROM BELOW. (3) 4" STUBBED INTO ROOM 219 AND (4) 4" CONTINUE TO ROOM 320 ABOVE.
 8. INSTALL IN FLOOR BOX UNDER DIAS.



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651.379.9120 tel	
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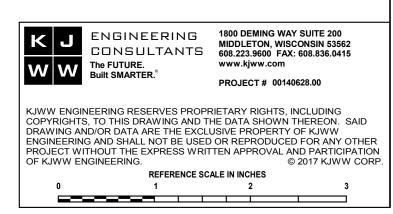


1 LEVEL THREE PLAN - TECHNOLOGY

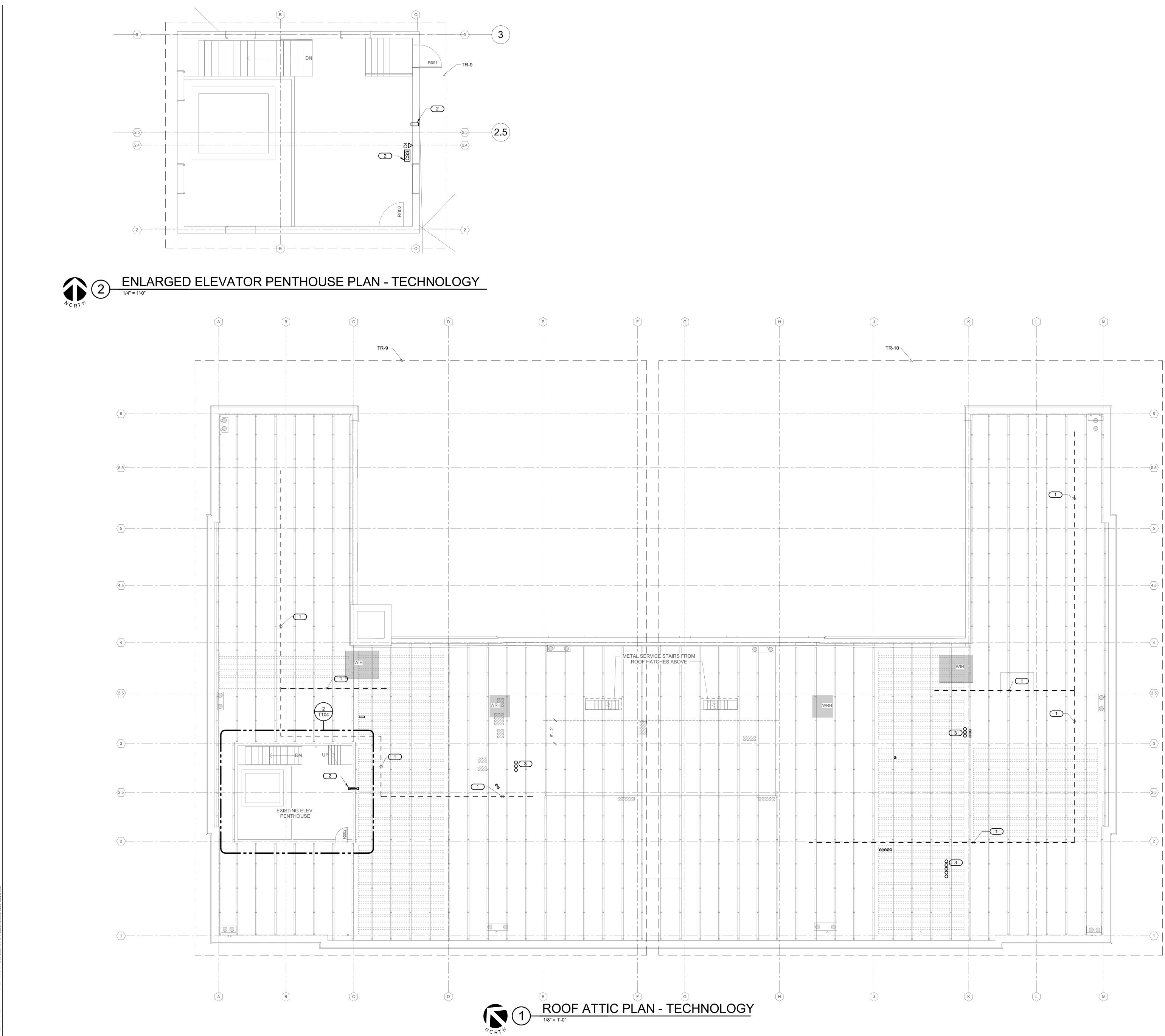
NOTES. 2. REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST. LIST. REFER TO 2/T301 FOR INFORMATION OUTLET ROUGH-IN DETAIL. REFER TO T502 FOR CONTROLLED SECURITY SCHEME TYPE SCHEDULE. REFER TO T503 FOR INFORMATION OUTLET SCHEDULE. 8. REFER TO T501 FOR GENERAL TECHNOLOGY EQUPMENT SCHEDULE. 7. ALL INFORMATION OUTLET CABLING ON THIS FLOOR SHALL ROUTE THROUGH CONDUIT TO ABOVE CEILING THEN THROUGH STI EZPATH INTO ATTIC ABOVE CEILING THEN THROUGH STEEPATH INTO ATTIC. 8. FOR TERMINATION ROOMS SEE DEMARCATION LINES ON THIS SHEET. 9. COORDINATE EXACT CLOCK LOCATIONS WITH ARCHITECT AND OWNER. KEYNOTES: # 1. CONTRACTOR SHALL PROVIDE 1-1/2" FLEXIBLE FURNITURE FEED FROM JUNCTION BOX IN WALL TO MODULAR FURNITURE. COORDINATE WITH MODULAR FURNITURE INTERNAL PATHWAYS. 2. CONTRACTOR SHALL PROVIDE 1-1/2" FLEXIBLE FURNITURE FEED FROM POKE THROUGH IN FLOOR TO MODULAR FURNITURE. COORDINATE WITH MODULAR FURNITURE COORDINATE WITH MODULAR FURNITURE INTERNAL PATHWAYS. 3. (4) 4" CONDUITS FROM BELOW. (2) 4" CONDUITS STUBBED INTO ROOM 320 AND (2) 4" CONDUITS CONTINUE TO THE ATTIC. 4. (3) 4" CONDUITS COME UP FROM BELOW INTO THIS SPACE, THEY CONTINUE TO THE ATTIC. 5. (5) 4" CONDUITS STUB INTO RM 309 FROM THE ATTIC. THREE CONTINUE DOWN INTO THE CEILING OF LEVEL 2.

. REFER TO T000 FOR GENRAL TECHNOLOGY

GENERAL SHEET NOTES:



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Architecture 612 375 (Interiors and 612 342 2	0336 tel
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Civil Engineering and Landsca Ken Saiki Desig	
303 South Paterson St. Madison, WI 53703 608.251.3600 tel	
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1800 Deming Way, Suite 200 Middleton, WI 53713 608.223.9600 tel	
MEP Engineers MEP Associates	
860 Blue Gentian Road, Suite Eagan, MN 55121 651.379.9120 tel	175
Lighting Designer Gallina Design	
30232 County 7 Chatfield, MN 55923 507.867.1628 tel	
Preservation Architect	no 414
Charles Quaglia 5641 Willoughby Rd. Mazomanie, WI 53560 608.449.9589 tel	na, AIA
Building Envelope Consultant	Architects
115 E. Main Street, Suite 200 Madison, WI 53703 608.204.0825 tel	, , , , , , , , , , , , , , , , , , , ,
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3.	REFER TO T502 FOR CONTROLLED SECURITY SCHEME TYPE SCHEDULE.
4.	REFER TO T503 FOR INFORMATION OUTLET
5.	REFER TO T501 FOR GENERAL TECHNOLOGY EQUPMENT SCHEDULE.
6.	FOR TERMINATION ROOMS SEE DEMARCATION LINES ON THIS SHEET.
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 ROUTE INFORMATION OUTLET CABLING INTO PENTHOUSE THROUGH STI EZ-PATH 2".
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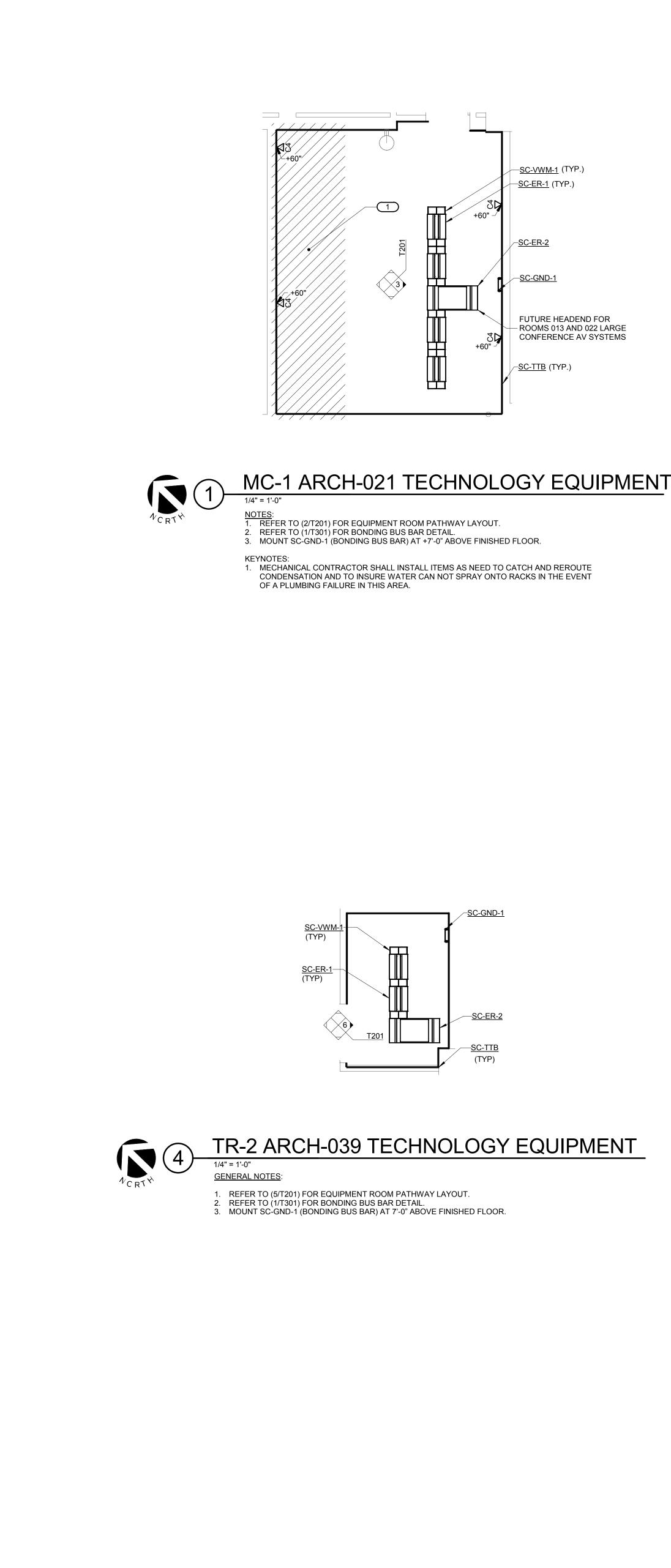
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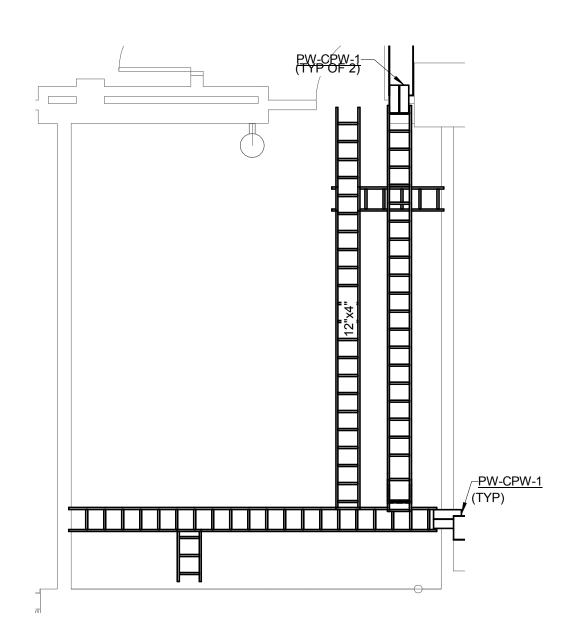
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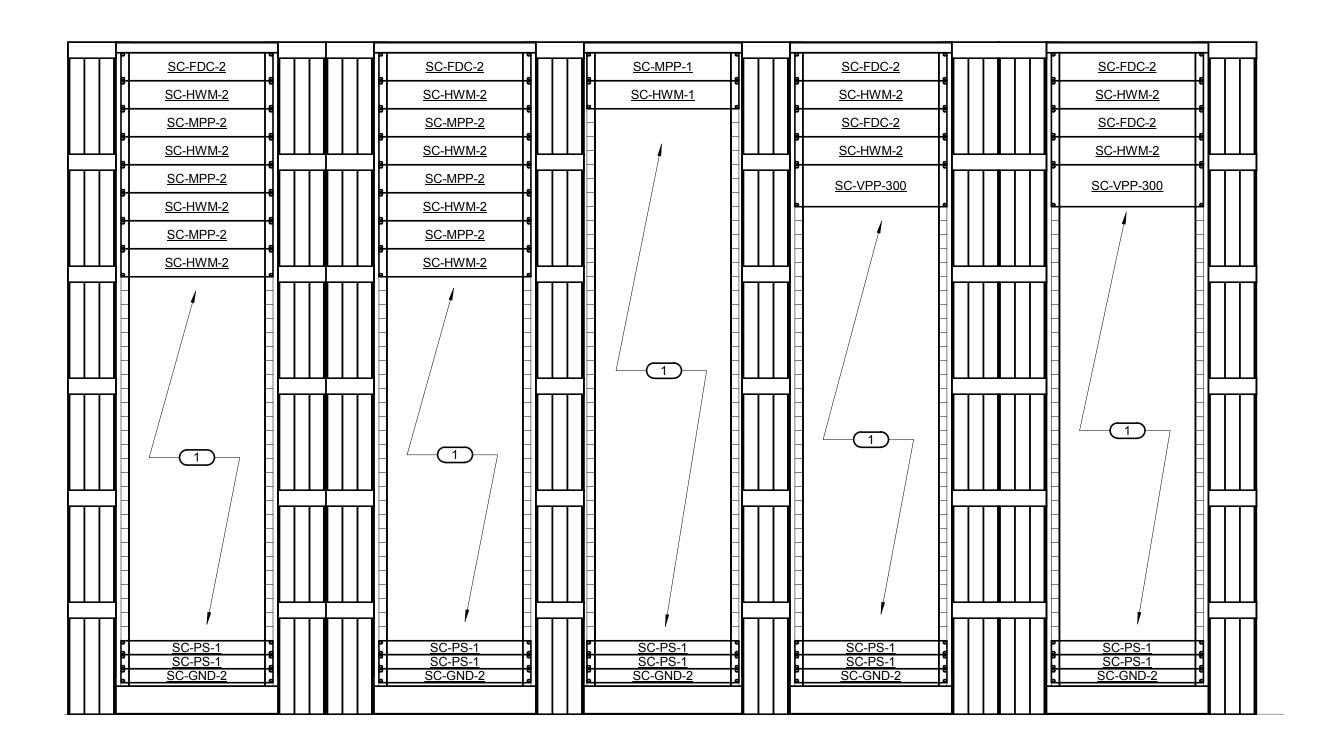
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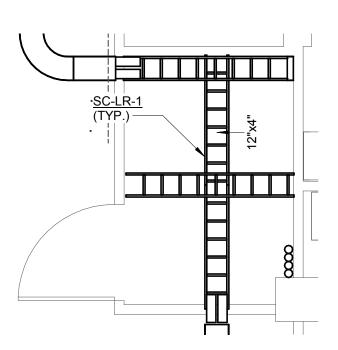


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1. MOUNTING HEIGHT OF LADDER RACK THAT SERVES THE TELECOMM RACKS SHALL BE +78" ABOVE FINISHED FLOOR

 LADDER RACK SHALL BE USED TO FORM A TRANSITION FROM THE HEIGHT OF THE WALL PENETRATION TO THE HEIGH OF THE LADDER RACK THAT SERVES THE TELECOM RACKS.

3. CABLE RUNWAYS SHALL BE INSTALLED AT ALL CABLE TRANSITIONS FROM ON LADDER RACK TO BELOW SAME LADDER RACK.





TR-2 ARCH-039 TECHNOLOGY PATHWAY

1. MOUNTING HEIGHT OF LADDER RACK THAT SERVES THE TELECOMM RACKS SHALL BE +78" ABOVE

FINISHED FLOOR 2. LADDER RACK SHALL BE USED TO FORM A TRANSITION FROM THE HEIGHT OF THE WALL PENETRATION TO THE HEIGH OF THE LADDER RACK THAT SERVES THE TELECOM RACKS.

 CABLE RUNWAYS SHALL BE INSTALLED AT ALL CABLE TRANSITIONS FROM ON LADDER RACK TO BELOW SAME LADDER RACK.

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MC-1 EQUIPMENT RACK ELEVATION

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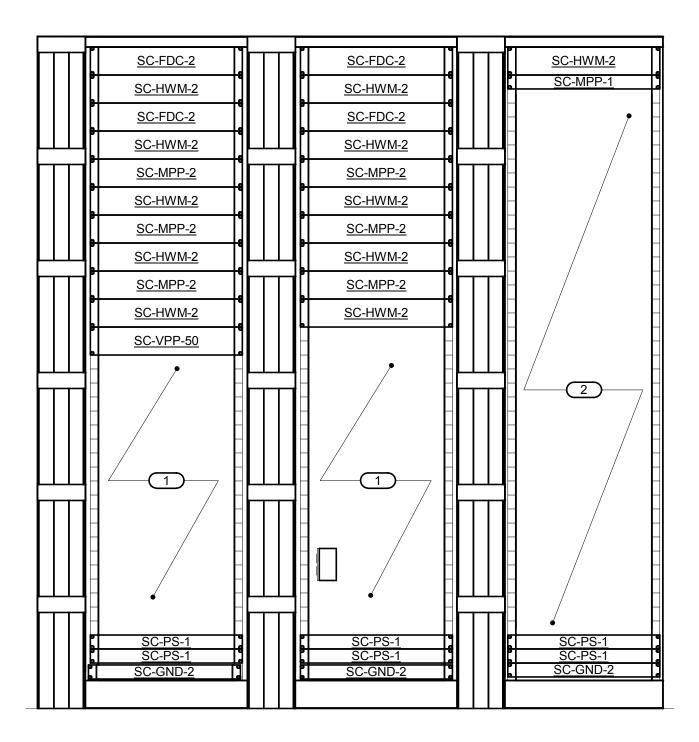
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THE BASIS OF DESIGN MANUFACTURER AND MODEL. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T501 AND SPECIFICATIONS FOR ADDITIONAL

INFORMATION. 2. REFER TO 2/T201 FOR EQUIPMENT PATHWAY MC-1.

KEYNOTES:

SPACE OPEN FOR OWNER PROVIDED EQUIPMENT.
 SPACE OPEN FOR A/V EQUIPMENT.



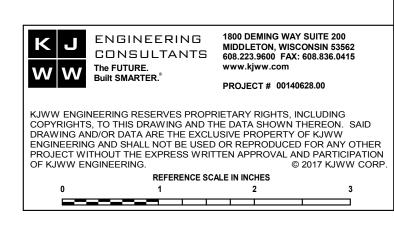
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TR-2 EQUIPMENT RACK ELEVATION

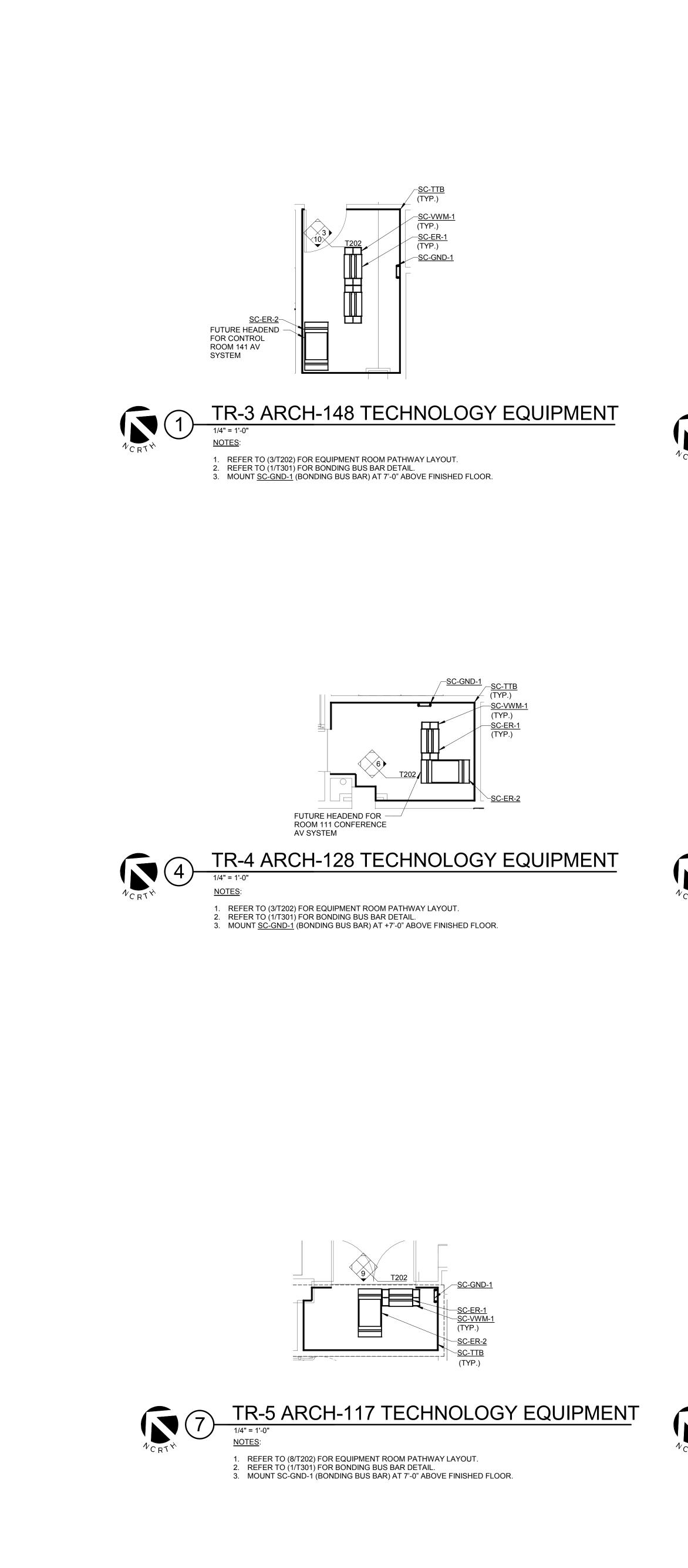
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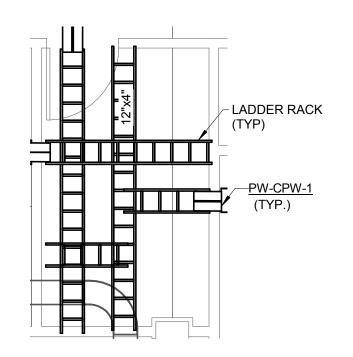
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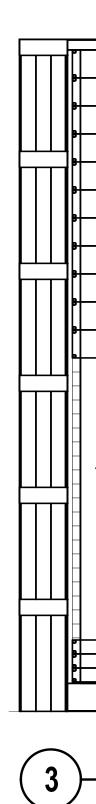
- INFORMATION. 2. REFER TO 5/T201 FOR EQUIPMENT PATHWAY TR-2.
- KEYNOTES:
- SPACE OPEN FOR OWNER PROVID`ED EQUIPMENT.
 SPACE OPEN FOR A/V EQUIPMENT.



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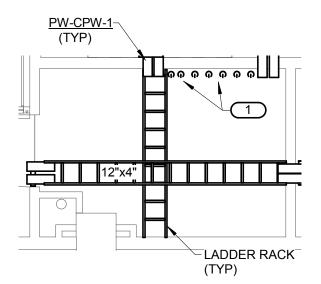


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TR-3 ARCH-148 TECHNOLOGY PATHWAY

1. MOUNTING HEIGHT OF LADDER RACK THAT SERVES THE TELECOMM RACKS SHALL BE +78" ABOVE FINISHED FLOOR 2. LADDER RACK SHALL BE USED TO FORM A TRANSITION FROM THE HEIGHT OF THE WALL PENETRATION TO THE HEIGH OF THE LADDER RACK THAT SERVES THE TELECOMM RACKS.

3. CABLE RUNWAYS SHALL BE INSTALLED AT ALL CABLE TRANSITIONS FROM ON LADDER RACK TO BELOW SAME LADDER RACK.





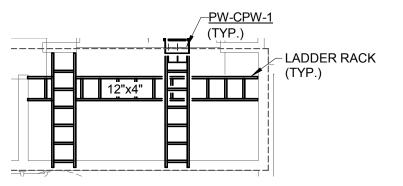
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3. CABLE RUNWAYS SHALL BE INSTALLED AT ALL CABLE TRANSITIONS FROM ON LADDER RACK TO BELOW SAME LADDER RACK.

KEYNOTES: 1. (7) 4" CONDUIT STUBS FROM CEILING BELOW.

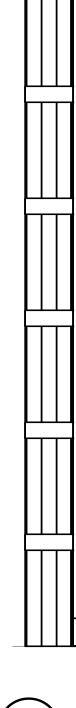
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8 TR-5 ARCH-117 TECHNOLOGY PATHWAY

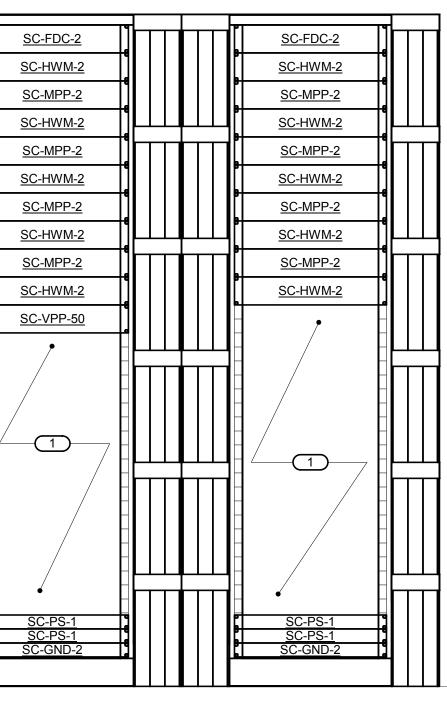
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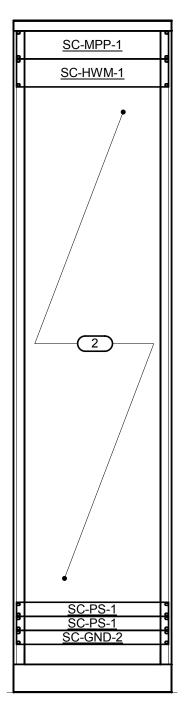
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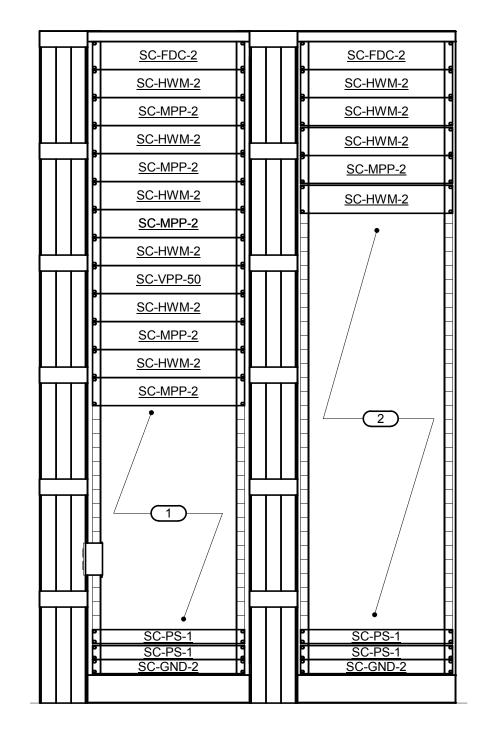
TR-3 RACK ELEVATIONS NO SCALE

NOTES:

- 1. EQUIPMENT SHALL BE LOCATED IN ITS DESIGNATED SPOT AS DEFINED BY THIS LAYOUT UNLESS OTHERWISE NOTED. ALL EQUIPMENT IS SIZED (BY RACK UNITS) ACCORDING TO THE BASIS OF DESIGN MANUFACTURER AND MODEL. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T501 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. 2. REFER TO 2/T202 FOR EQUIPMENT PATHWAY TR-3.
- KEYNOTES:
- 1. SPACE OPEN FOR OWNER PROVIDED EQUIPMENT. 2. SPACE OPEN FOR AV EQUIPMENT.



(10) **TR-3(A) RACK ELEVATION**





TR-4 RACK ELEVATION

NOTES:

NO SCALE

1. EQUIPMENT SHALL BE LOCATED IN ITS DESIGNATED SPOT AS DEFINED BY THIS LAYOUT UNLESS OTHERWISE NOTED. ALL EQUIPMENT IS SIZED (BY RACK UNITS) ACCORDING TO THE BASIS OF DESIGN MANUFACTURER AND MODEL. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T501 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. 2. REFER TO 5/T202 FOR EQUIPMENT PATHWAY TR-4.

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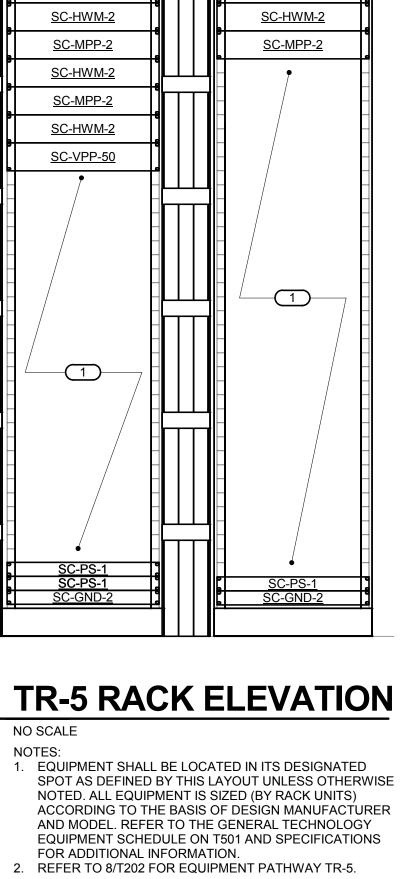
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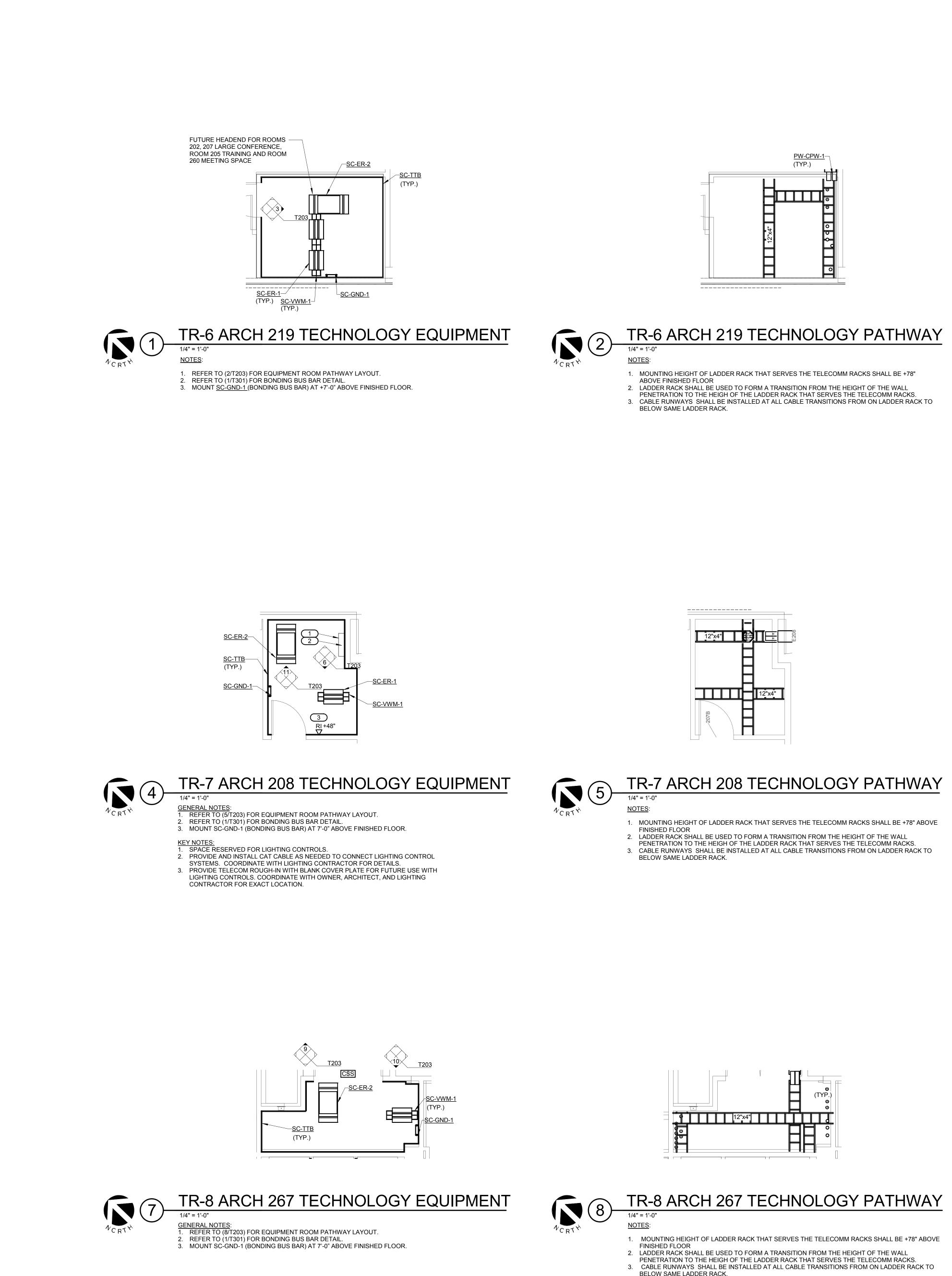
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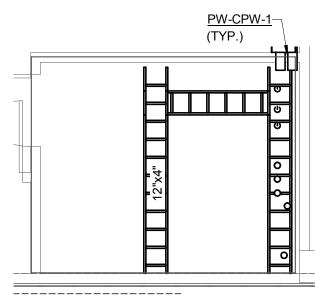


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KEYNOTES: 1. SPACE OPEN FOR OWNER PROVIDED EQUIPMENT.

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KJWW 1800 Deming Way Middleton, WI 537	Suite 200 3
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651.379.9120 tel	
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575 Minnehah Ave St. Paul, MN 5510 651.251.1879 tel	
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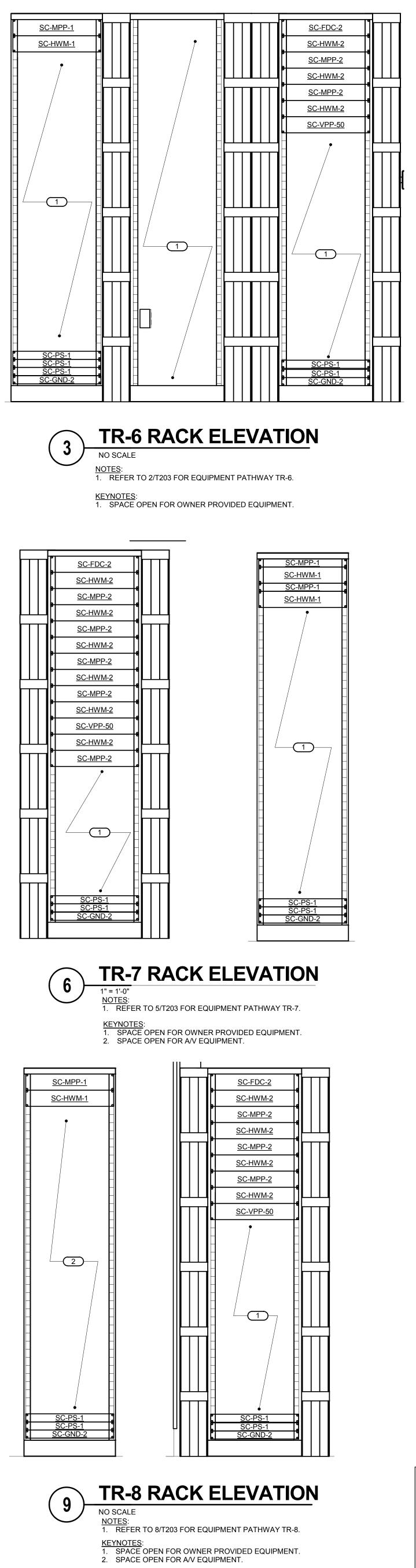




- PENETRATION TO THE HEIGH OF THE LADDER RACK THAT SERVES THE TELECOMM RACKS.

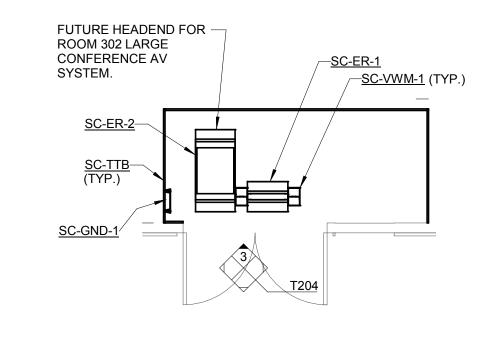
- 1. MOUNTING HEIGHT OF LADDER RACK THAT SERVES THE TELECOMM RACKS SHALL BE +78" ABOVE
- 2. LADDER RACK SHALL BE USED TO FORM A TRANSITION FROM THE HEIGHT OF THE WALL
- 3. CABLE RUNWAYS SHALL BE INSTALLED AT ALL CABLE TRANSITIONS FROM ON LADDER RACK TO

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- PENETRATION TO THE HEIGH OF THE LADDER RACK THAT SERVES THE TELECOMM RACKS.
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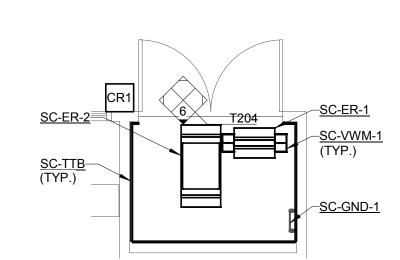


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MEP Engineers	ociates	
860 Blue Gentian Eagan, MN 55121 651.379.9120 tel	Road, Suite 175	
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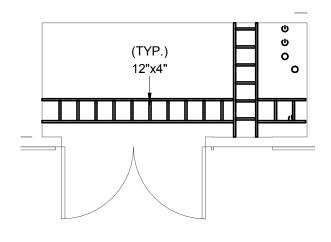






TR-10 ARCH 308 TECHNOLOGY EQUIPMENT 1/4" = 1'-0" GENERAL NOTES:

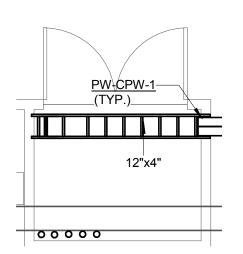
 REFER TO (2/T204) FOR EQUIPMENT ROOM PATHWAY LAYOUT.
 REFER TO (1/T301) FOR BONDING BUS BAR DETAIL. 3. MOUNT SC-GND-1 (BONDING BUS BAR) AT 7'-0" ABOVE FINISHED FLOOR.





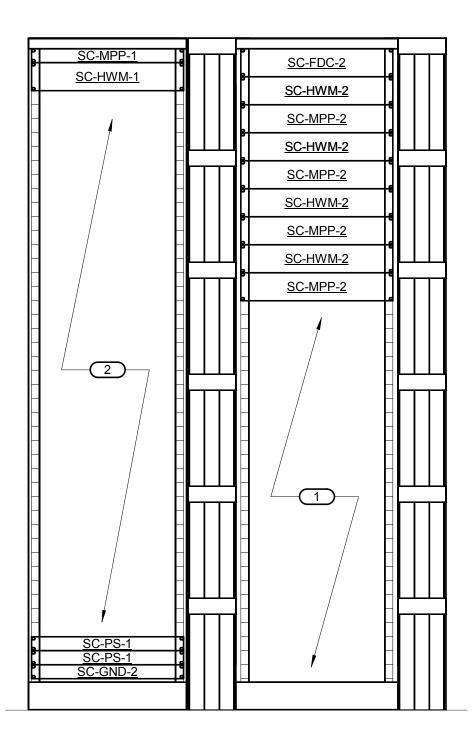
2. LADDER RACK SHALL BE USED TO FORM A TRANSITION FROM THE HEIGHT OF THE WALL

PENETRATION TO THE HEIGH OF THE LADDER RACK THAT SERVES THE TELECOMM RACKS. 3. CABLE RUNWAYS SHALL BE INSTALLED AT ALL CABLE TRANSITIONS FROM ON LADDER RACK TO BELOW SAME LADDER RACK.





- 1. MOUNTING HEIGHT OF LADDER RACK THAT SERVES THE TELECOMM RACKS SHALL BE +78" ABOVE
- FINISHED FLOOR 2. LADDER RACK SHALL BE USED TO FORM A TRANSITION FROM THE HEIGHT OF THE WALL PENETRATION TO THE HEIGH OF THE LADDER RACK THAT SERVES THE TELECOMM RACKS.
- 3. CABLE RUNWAYS SHALL BE INSTALLED AT ALL CABLE TRANSITIONS FROM ON LADDER RACK TO BELOW SAME LADDER RACK.



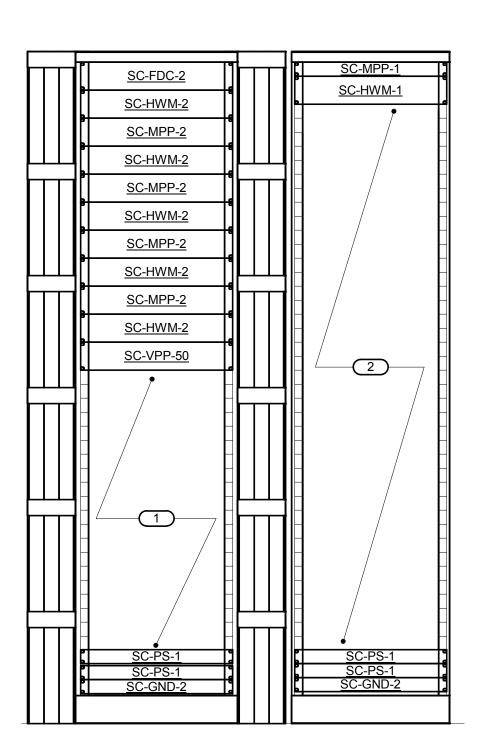
TR-9 RACK ELEVATION NO SCALE

NOTES:

3

1. REFER TO 2/T204 FOR EQUIPMENT PATHWAY TR-9. KEYNOTES:

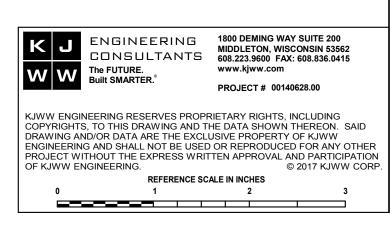
SPACE OPEN FOR OWNER PROVIDED EQUIPMENT.
 SPACE OPEN FOR A/V EQUIPMENT.



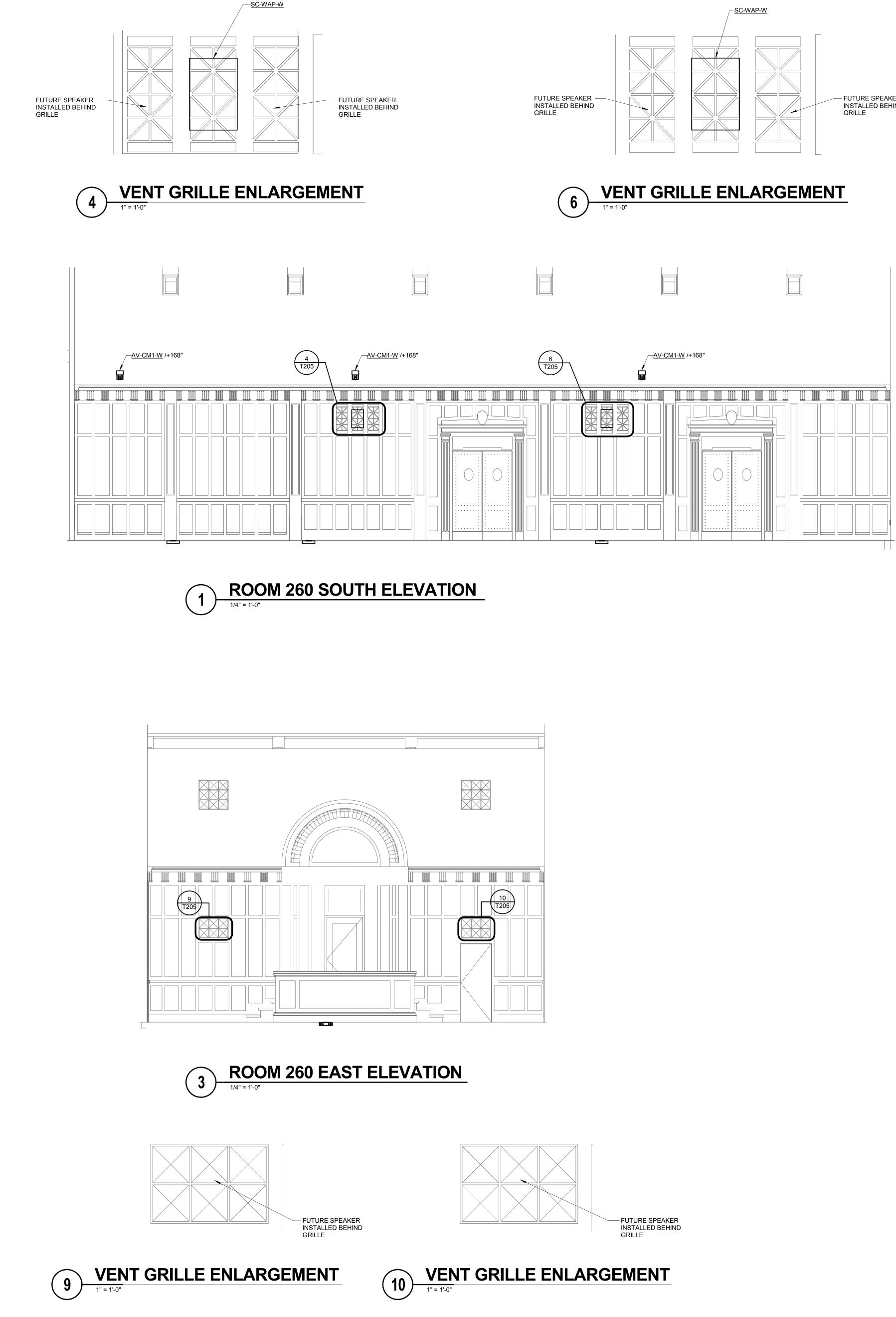
TR-10 RACK ELEVATION 6 TR-1 NO SCALE <u>NO TES</u>:

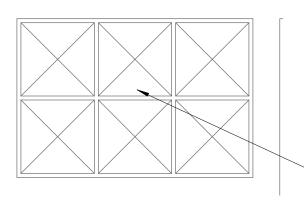
1. REFER TO 5/T204 FOR EQUIPMENT PATHWAY TR-10. KEYNOTES:

1. SPACE OPEN FOR OWNER PROVIDED EQUIPMENT. 2. SPACE OPEN FOR A/V EQUIPMENT.

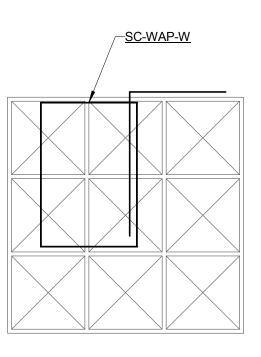


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KJWW	ring, Technology, AV
1800 Deming Way Middleton, WI 537 608.223.9600 tel	r, Suite 200 13
MEP Engineers	ociates
860 Blue Gentian Eagan, MN 55121 651.379.9120 tel	Road, Suite 175
Lighting Designer	esign
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575 Minnehah Ave St. Paul, MN 5510 651.251.1879 tel	e. W.
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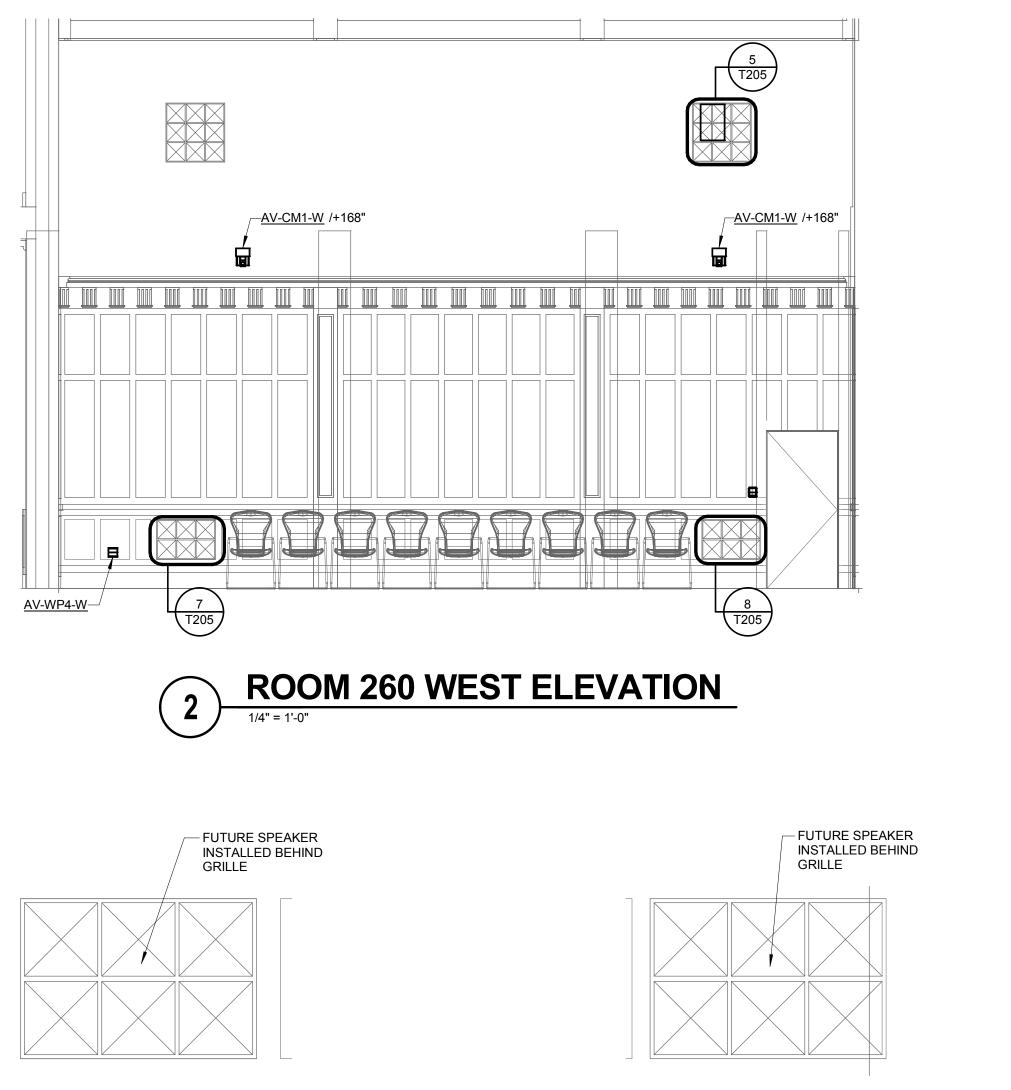




__<u>SC-WAP-W</u> — FUTURE SPEAKER INSTALLED BEHIND GRILLE

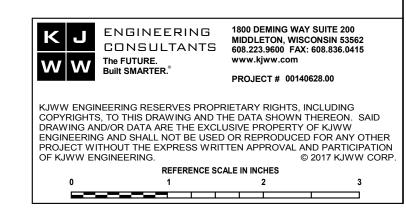


5 VENT GRILLE ENLARGEMENT

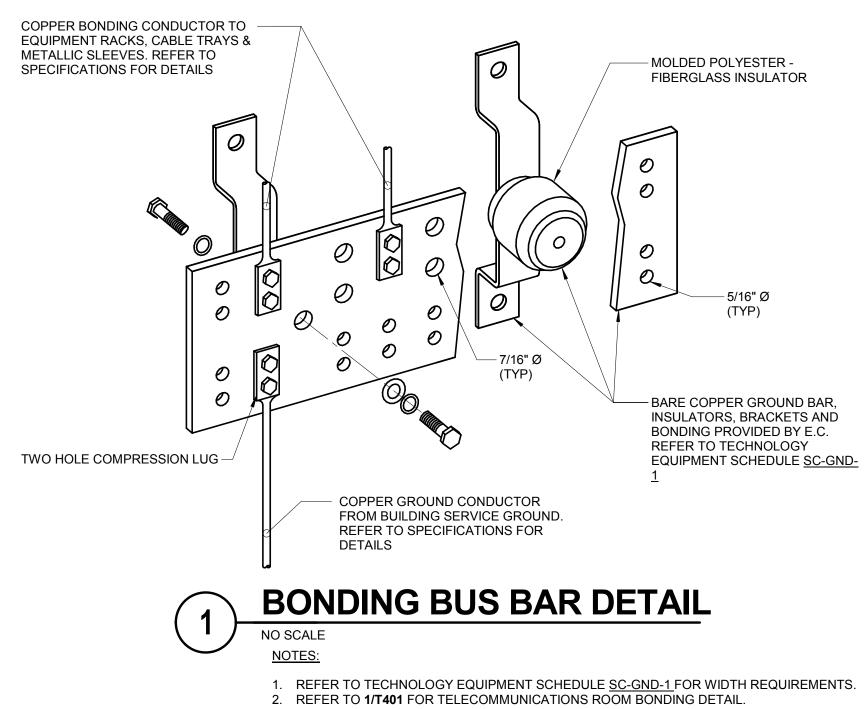


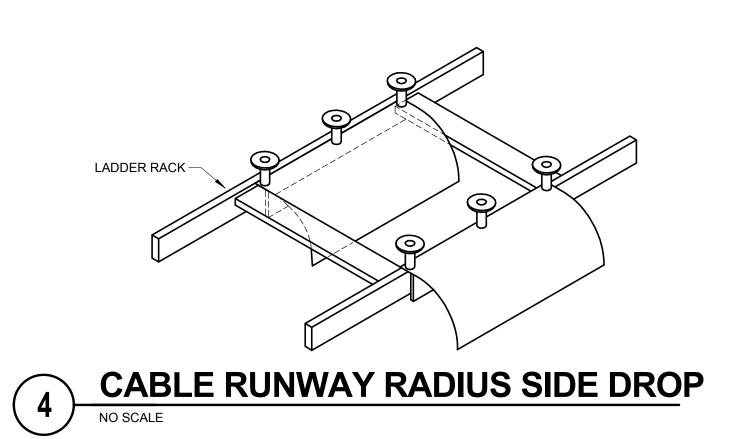
7 VENT GRILLE ENLARGEMENT





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Architecture	Minneapolis, Minnesota 55401–2282 612 375 0336 tel
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303 South Paterson Madison, WI 53703 608.251.3600 tel	St.
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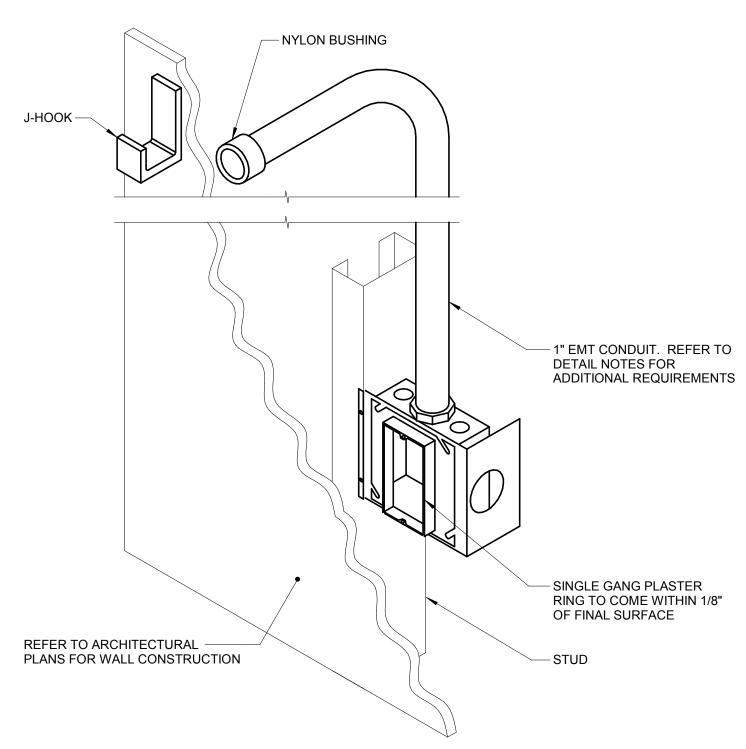


FIBERGLASS INSULATOR

— 5/16" Ø (TYP)

BARE COPPER GROUND BAR, INSULATORS, BRACKETS AND

REFER TO TECHNOLOGY EQUIPMENT SCHEDULE SC-GND-

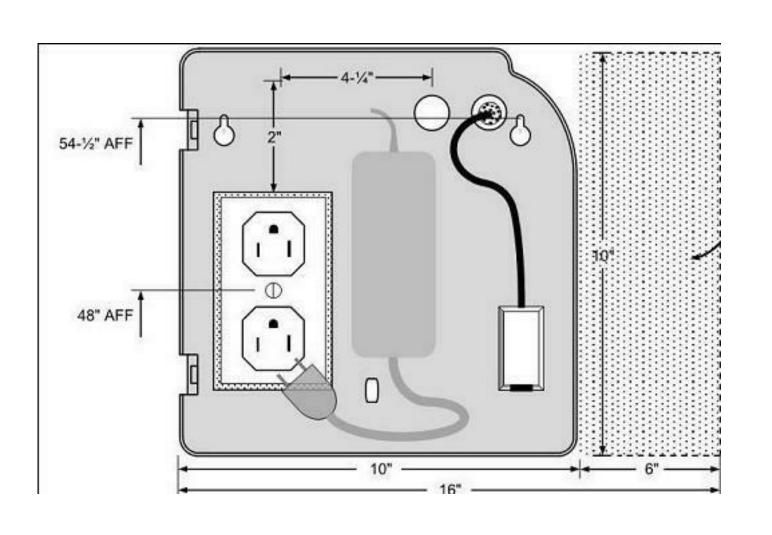


TECHNOLOGY ROUGH-IN MOUNTING DETAIL 2 NO SCALE NOTES:

1. 1" EMT CONDUIT SHALL STUB UP TO NEAREST ACCESSIBLE CEILING AND TERMINATE ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE. CONDUIT RUN SHALL NOT CONTAIN MORE THAN 180 DEGREES OF BEND BETWEEN ACCESSIBLE JUNCTION BOXES OR BETWEEN JUNCTION BOX AND END OF CONDUIT. 2. WHERE CONDUIT STUB IS LOCATED IN A ROOM WITH AN ACCESSIBLE CEILING AND IS NOT REQUIRED TO RUN

TO CABLE ROUTE LOCATED OUTSIDE THE ROOM, STUB MUST TERMINATE ABOVE THE ACCESSIBLE CEILING WITH A 90-DEGREE BEND AT THE TOP ORIENTED IN TO THE ROOM AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE IN THE ROOM. 3. ALL STUBS MUST BE FITTED WITH A NYLON BUSHING ON EACH END OF THE CONDUIT.

4. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR TECHNOLOGY ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.



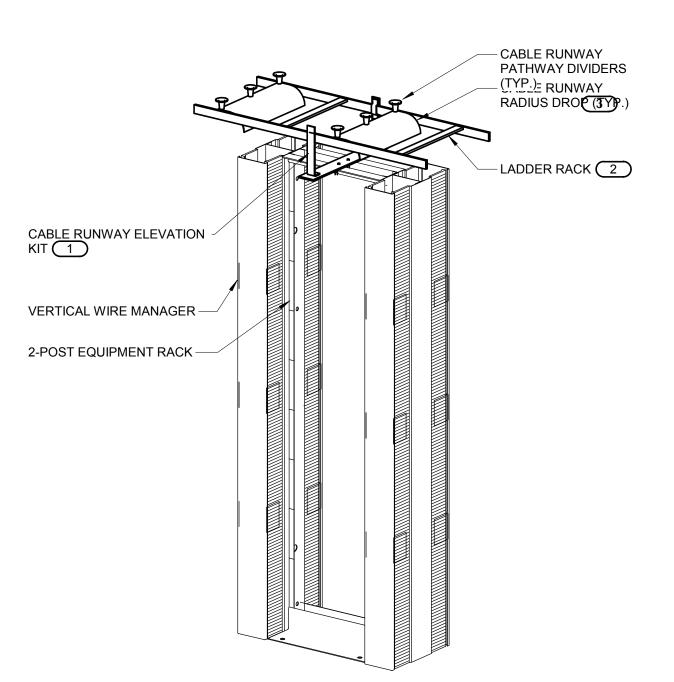
KRONOS TIME CLOCK INSTALLATION DETAIL 5 NO SCALE

NOTES: 1. INSTALL THE DUPLEX ELECTRICAL OUTLET AT 48" AFF TO CENTER AND AT LEAST 15" TO THE LEFT OF DOOR FRAMES OR CABINETRY TO ALLOW FOR CARD SWIPING. 2. USING AN STI READY FIRESTOP© RFG1 GROMMET AT 4-1/4" TO THE RIGHT OF THE KNOCKOUT CENTER AND 2" ABOVE THE TOP OF THE KNOCKOUT, BRING IN 8" OF DATA CABLE AND TERMINATE IN A PANDUIT MINI-COM© JACK. PROVIDE A PANDUIT CBX1AW-A SURFACE-MOUNT

BOX AT THE JACK FOR INSTALLATION AFTER THE TIME CLOCK BACK PLATE IS MOUNTED. 3. FEED THE DATA CABLE AND MINI-COM© JACK THROUGH THE DATA HOLE OF THE BACK PLATE AND MOUNT THE BACK PLATE WITH 3 SCREWS. SNAP THE MINI-COM© JACK INTO THE SURFACE-

MOUNT BOX AND ATTACH TO THE RIGHT OF THE BACK PLATE, LEAVING SPACE FOR THE POWER MODULE.

4. THE KRONOS TIME CLOCK CASE IS DESIGNED TO BE SURFACE MOUNTED ONLY. DO NOT RECESS INTO WALL.





LADDER RACK MOUNTING DETAIL

NO SCALE <u>NOTES:</u>

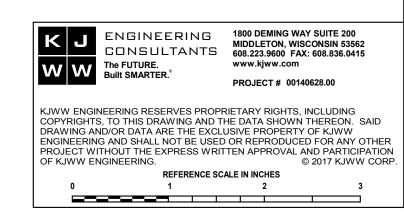
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1. ALL LADDER RACK AND ACCESSORIES TO BE INSTALLED FOR A COMPLETE INSTALLATION SHALL BE FROM THE SAME MANUFACTURER.

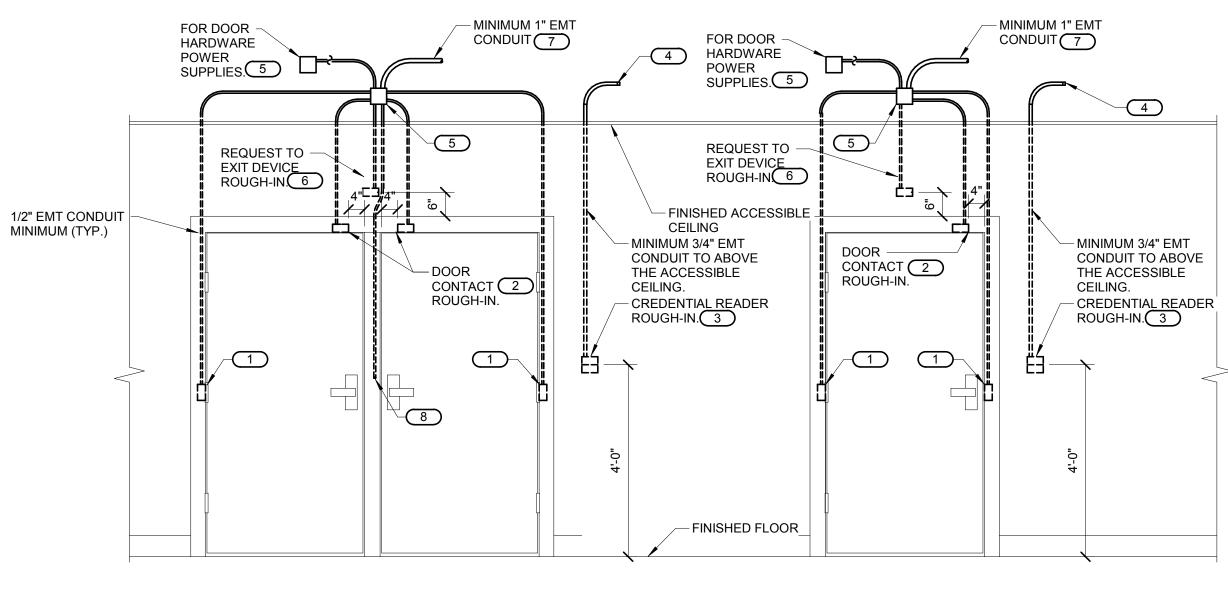
KEYNOTES:

- 1. MOUNT THE LADDER RACK NO MORE THAN +6" ABOVE THE FLOOR MOUNTED RACK. ADJUST THE CABLE RUNWAY ELEVATION KIT AS REQUIRED. 2. REFER TO THE INDIVIDUAL PATHWAY DRAWINGS FOR THE LADDER RACK SIZE.
- 3. A MINIMUM OF (1) RADIUS DROP INTO EACH VERTICAL WIRE MANAGER. REFER TO THE INDIVIDIUAL TELÉCOM ROOM LAYOUTS, PATHWAY LAYOUTS, AND RACK ELEVATIONS FOR QUANTITY OF WIRE MANAGERS AND ADDITIONAL INFORMATION.



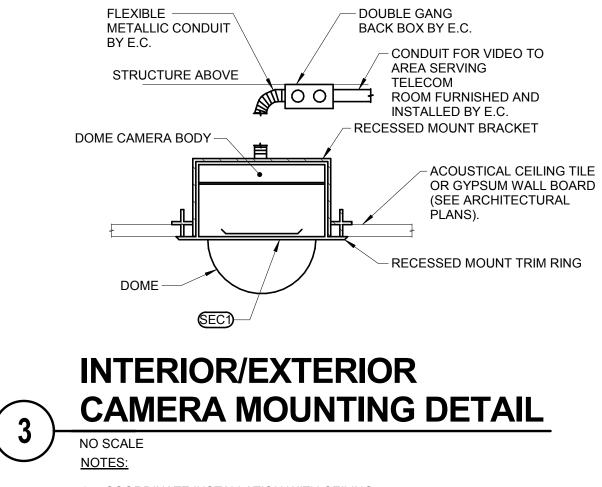


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DOOR FRAME ROUGH-IN DIAGRAM (ALL DOUBLE DOORS WITH OR WITHOUT MULLION)





1. COORDINATE INSTALLATION WITH CEILING INSTALLATION.

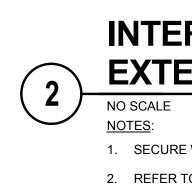
DOOR FRAME ROUGH-IN DIAGRAM (ALL SINGLE DOORS)

CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL

<u>NOTES:</u> 1. CONFIGURATIONS SHOWN IN THE DETAIL ABOVE ARE DIAGRAMMATIC, INTENDED TO DESCRIBE THE CONTROLLED SECURITY SCHEME ROUGH-IN REQUIREMENTS OF THE DOORS. DETAILS ABOVE MAY NOT ACCURATELY REPRESENT DOOR SIZE, DOOR SWING, DOOR HARDWARE, OR DOOR FUNCTIONALITY. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE GROUPS AND DOOR HARDWARE SPECIFICATIONS ROUGH IN SHOWN IN THE DETAIL ABOVE REPRESENTS THE MINIMUM REQUIREMENTS FOR ALL CONTROLLED SECURITY SYSTEM DEVICES AND CABLING UNLESS OTHERWISE NOTED. COORDINATE EXACT REQUIREMENTS WITH SELECTED DOOR MATERIALS, DOOR HARDWARE, AND CONTROLLED SECURITY DEVICES AND CABLING PRIOR TO INSTALLATION. 3. ALL CABLING IN WALLS AND WHERE EXPOSED ON VERTICAL SURFACES SHALL BE INSTALLED IN EMT CONDUIT OR SURFACE MOUNT RACEWAY. CABLING ROUTED HORIZONTALLY ABOVE THE ACCESSIBLE CEILING MAY BE INSTALLED FREE-AIR CABLING PROPERLY RATED FOR THE CEILING 4. THE ELECTRICAL OR SECURITY CONTRACTOR SHALL NOT MODIFY ANY FIRE RATED DOOR AND/OR DOOR FRAME. REFER TO THE ARCHITECTURAL

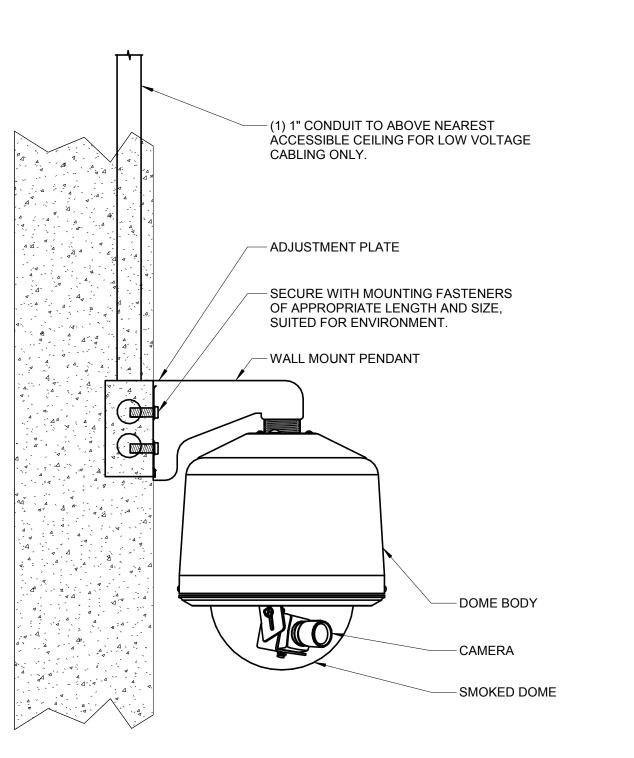
FIRE RATED DOOR AND/OR FRAME WILL REQUIRE A RE-CERTIFICATION OF THE DOOR AND FRAME WITH THE LOCAL AUTHORITY HAVING 5. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR ALL CONTROLLED SECURITY SCHEME ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. REFER TO THE CONTROLLED SECURITY SCHEME RISER DIAGRAM ON 3/T401 FOR CABLING REQUIREMENTS AND THE CONTROLLED SECURITY INSTALLATION SHALL INCLUDE ALL POWER REQUIRED FOR SYSTEM OPERATION INCLUDING +120VAC. REFER TO THE SUGGESTED MATRIX OF SCOPE

1. PROVIDE JUNCTION BOXES IN THE DOOR FRAME WHERE SHOWN ON THIS DETAIL. ROUGH-IN SHALL BE PROVIDED WHETHER THE CURRENT SECURITY SCHEME UTILIZES THEM OR NOT. ALL CONDUITS SHALL BE EMT CONDUIT UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT OF ANY TYPE WILL NOT BE ACCEPTED. COORDINATE INSTALLATION WITH ON-SITE DOOR FRAME INSTALLATION CONTRACTOR. 2. ALL DOOR POSITION SWITCHES ARE REQUIRED TO BE RECESSED UNLESS OTHERWISE NOTED. ELECTRIC HINGE MONITORS ARE NOT AN ACCEPTABLE REPLACEMENT FOR THE RECESSED DOOR POSITION SWITCH. 3. DOUBLE GANG BACKBOX WITH SINGLE GANG PLASTER RING. REFER TO FLOOR PLAN(S) FOR ACTUAL CREDENTIAL READER TYPE AND ROUGH-IN 4. CONDUIT SHALL ROUTE FROM THE CREDENTIAL READER TO THE SECURE SIDE OF THE DOOR. CONDUIT SHALL ROUTE TO NEAREST CABLE TRAY. 5. MOUNT A MINIMUM 4" SQUARE 2-1/8" DEEP JUNCTION BOX WITH BLANK COVER PLATE ON THE SECURE SIDE OF THE DOOR ABOVE ACCESSIBLE CEILING. INSTALLING CONTRACTOR SHALL SIZE THE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES. 6. PROVIDE A HORIZONTALLY MOUNTED SINGLE GANG BACKBOX FOR THE REQUEST TO EXIT SENSOR. REFER TO THE CONTROLLED SECURITY SCHEME CONDUIT SHALL ROUTE TO THE NEAREST TELECOM ROOM OR TO NEAREST CABLE TRAY. CONTRACTOR SHALL PROVIDE A NYLON BUSHING ON 8. CONDUIT INSTALLED IN PERMANENT MULLIONS ONLY. REFER TO THE ARCHITECTURAL DOOR SCHEDULE AND DOOR HARDWARE GROUPS FOR LOCATIONS THAT REQUIRE THIS ROUGH-IN. PROVIDE A NYLON BUSHING ON THE CONDUIT END.



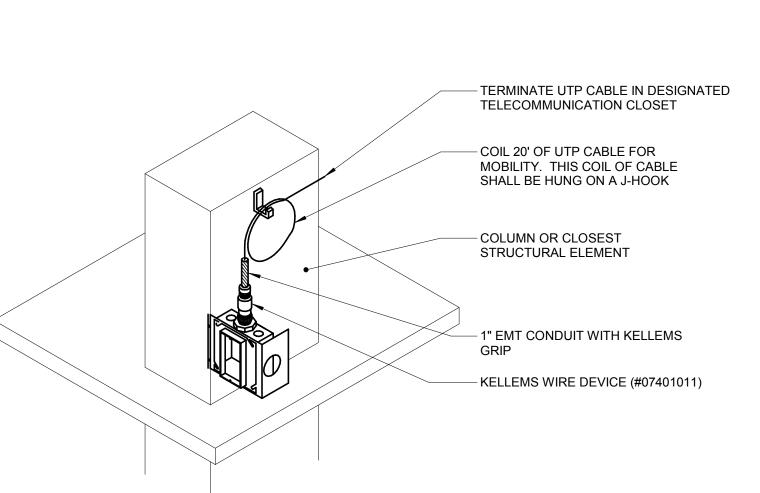


4 NO SCALE

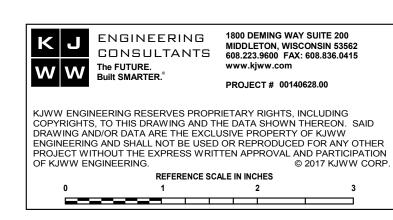


INTERIOR FIXED/PTZ AND EXTERIOR FIXED CAMERA WALL MOUNTING DETAIL

1. SECURE WALL MOUNT BASE PLATE WITH MINIMUM 1/4" FASTENERS. 2. REFER TO MANUFACTURE SPECIFICATIONS FOR INSTALLATION.

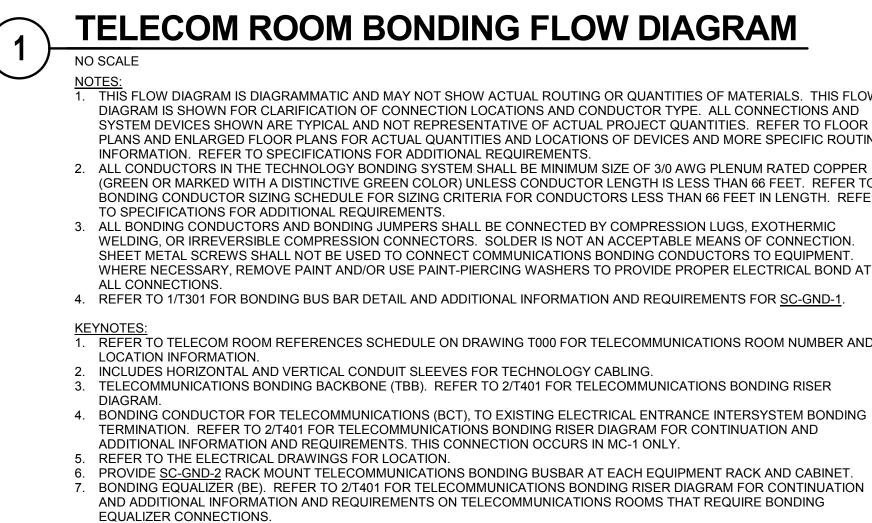


TECHNOLOGY CEILING ROUGH-IN MOUNTING DETAIL

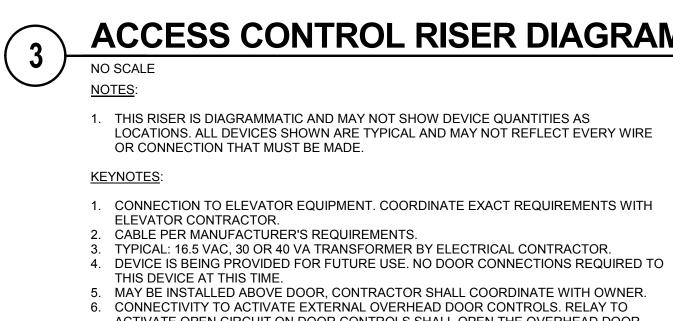


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1800 Deming Way Middleton, WI 537 608.223.9600 tel	, Suite 200 13
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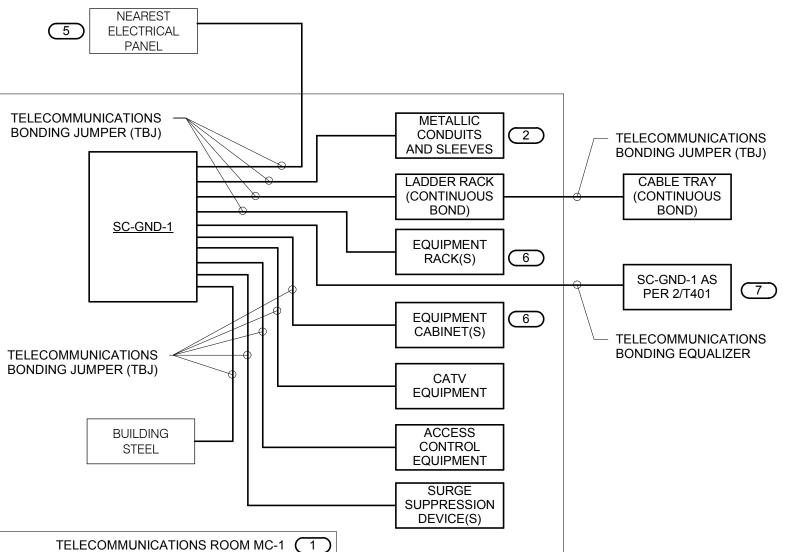
BONDING JUMPER (TBJ)



	AC-SEC-1 4	 	AC-PS-1 4
RELAY TO ACTIVATE OPEN CIRCUIT ON OVERHEAD DOOR CONTROLLER	[]	[
RELAY TO ACTIVATE EXTERNAL OVERHEAD DOOR CONTROLLER	AC-SEC-1 6		<u>AC-PS-1</u> -
ELECTRONIC DOOR RELEASE — 2C #18 AWG USH REQUEST TO EXIT 4C #22 AWG USH DOOR CONTACT 2C #22 AWG USH LOCK POWER 2C #18 AWG USH CR1 6C #22 AWG SH	AC-SEC-1 5	(TYP.) .	<u>AC-PS-1</u>
ELECTRONIC DOOR RELEASE — 2C #18 AWG USH REQUEST TO EXIT 4C #22 AWG USH DOOR CONTACT 2C #22 AWG USH LOCK POWER 2C #18 AWG USH CR1 6C #22 AWG SH	<u>AC-SEC-1</u> 5	 	<u>AC-PS-1</u>
ELECTRONIC DOOR RELEASE 2C #18 AWG USH REQUEST TO EXIT 4C #22 AWG USH DOOR CONTACT 2C #22 AWG USH LOCK POWER 2C #18 AWG USH CR1 6C #22 AWG SH	<u>AC-SEC-1</u> 5	 + >[<u>AC-PS-1</u> -
ELECTRONIC DOOR RELEASE — 2C #18 AWG USH REQUEST TO EXIT 4C #22 AWG USH DOOR CONTACT 2C #22 AWG USH LOCK POWER 2C #18 AWG USH CR1 6C #22 AWG SH	AC-SEC-1		<u>AC-PS-1</u>
	AC-SEC-2		
LOCATED IN ELEVATOR PE	ENTHOUSE		

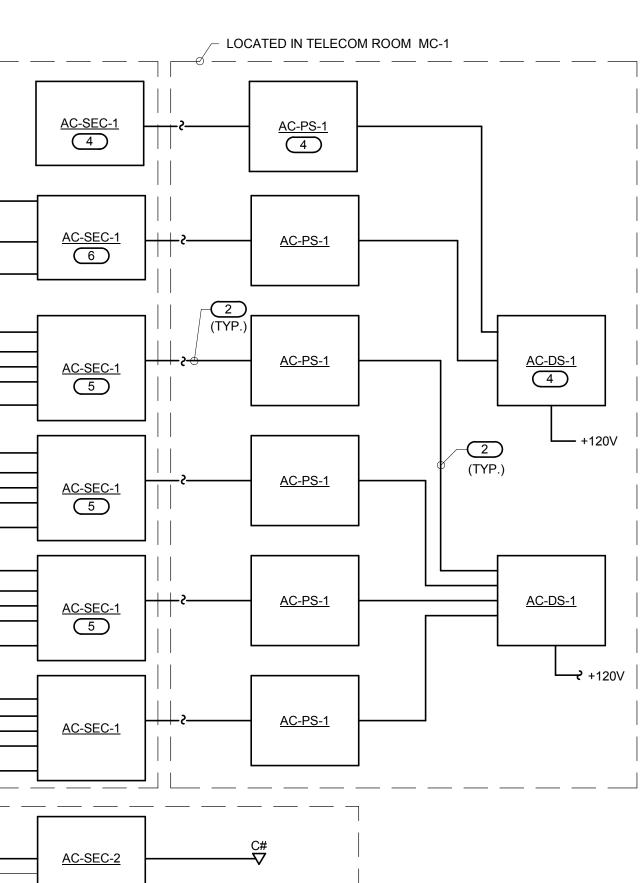


MAY BE INSTALLED ABOVE DOOR, CONTRACTOR SHALL COORDINATE WITH OWNER. 6. CONNECTIVITY TO ACTIVATE EXTERNAL OVERHEAD DOOR CONTROLS. RELAY TO ACTIVATE OPEN CIRCUIT ON DOOR CONTROLS SHALL OPEN THE OVERHEAD DOOR WHEN TRIGGERED BY FIRE ALARM OR OTHER EMERGENCY SIGNAL, RELAY TO ACTIVATE DOOR CONTROLS SHALL ACTIVATE THE DOOR CONTROLS FOR A SPECIFIC LENGTH OF TIME. DOOR CONTROL RELAY MAY ALSO BE ACTIVATED ON A SCHEDULE. COORDINATE WITH OWNER FOR LENGTH OF TIME TO ACTIVATE AND FOR SCHEUDLE INFORMATION. COORDINATE WITH OVERHEAD DOOR CONTRACTOR.



TELECOM ROOM BONDING FLOW DIAGRAM

NOTES: 1. THIS FLOW DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS FLOW 1. THIS FLOW DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS FLOW DIAGRAM IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. 2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG PLENUM RATED COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. 3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT 4. REFER TO 1/T301 FOR BONDING BUS BAR DETAIL AND ADDITIONAL INFORMATION AND REQUIREMENTS FOR SC-GND-1. <u>KEYNOTES:</u> 1. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T000 FOR TELECOMMUNICATIONS ROOM NUMBER AND INCLUDES HORIZONTAL AND VERTICAL CONDUIT SLEEVES FOR TECHNOLOGY CABLING. 3. TELECOMMUNICATIONS BONDING BACKBONE (TBB). REFER TO 2/T401 FOR TELECOMMUNICATIONS BONDING RISER 4. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT), TO EXISTING ELECTRICAL ENTRANCE INTERSYSTEM BONDING FERMINATION. REFER TO 2/T401 FOR TELECOMMUNICATIONS BONDING RISER DIAGRAM FOR CONTINUATION AND ADDITIONAL INFORMATION AND REQUIREMENTS. THIS CONNECTION OCCURS IN MC-1 ONLY. REFER TO THE ELECTRICAL DRAWINGS FOR LOCATION. PROVIDE SC-GND-2 RACK MOUNT TELECOMMUNICATIONS BONDING BUSBAR AT EACH EQUIPMENT RACK AND CABINET.

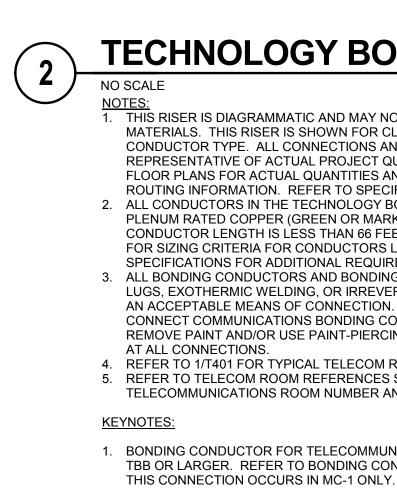


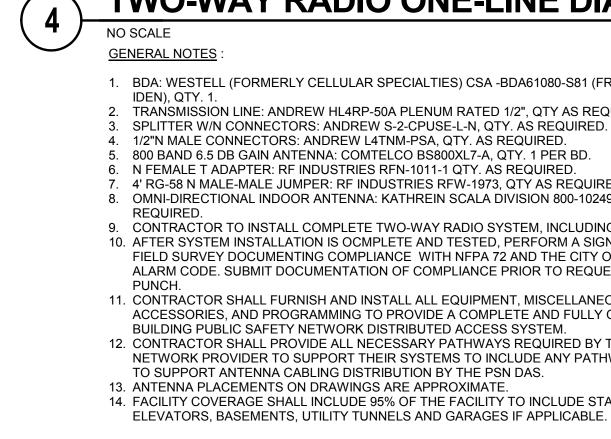
THOUSE

ACCESS CONTROL RISER DIAGRAM

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW DEVICE QUANTITIES AS LOCATIONS. ALL DEVICES SHOWN ARE TYPICAL AND MAY NOT REFLECT EVERY WIRE

1. CONNECTION TO ELEVATOR EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH TYPICAL: 16.5 VAC, 30 OR 40 VA TRANSFORMER BY ELECTRICAL CONTRACTOR.





THIRD **FLOOR**

SECONI **FLOOR**

FIRST **FLOOR**

GROUNI LEVEL

GROUNDIN ELECTRODE CONDUCTO

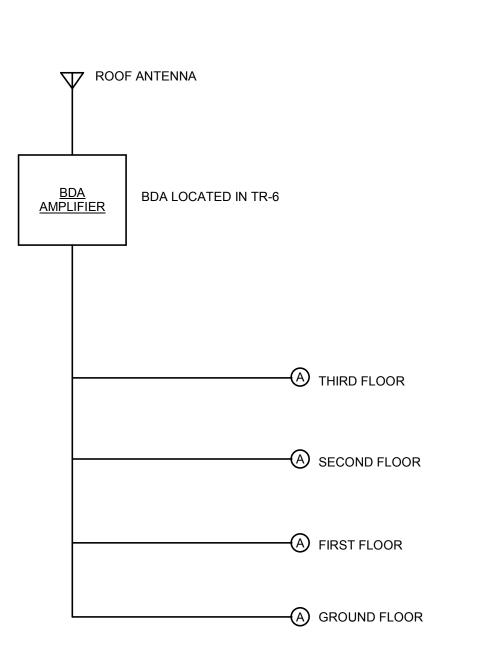
[EXISTING] ELECTRICAL GROUNDING ELECTROD

2	-	SC-GND-1 $TR-9$ $TR-10$
D	-	SC-GND-1 TR-6 SC-GND-1 TR-7 BONDING EQUALIZER (BE) TR-7 SC-GND-1 TR-7 BONDING EQUALIZER (BE)
2	TELECOMMUNICATIONS BONDING BACKBONE (TBB) (TYP)	SC-GND-1 $SC-GND-1$ $SC-GND-1$ $SC-GND-1$ $TR-3$ $TR-4$ $TR-5$
D	[EXISTING] ELECTRICAL ENTRANCE INTERSYSTEM BONDING TERMINATION	SC-GND-1 MC-1 BONDING EQUALIZER (BE) TR-2
G E DR BY E.C		

TECHNOLOGY BONDING RISER DIAGRAM

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. 2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG PLENUM RATED COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. 3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND 4. REFER TO 1/T401 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM. 5. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T000 FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.

TOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE	
REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.	



TWO-WAY RADIO ONE-LINE DIAGRAM

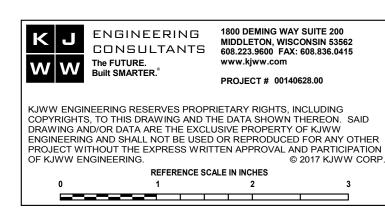
1. BDA: WESTELL (FORMERLY CELLULAR SPECIALTIES) CSA -BDA61080-S81 (FREQ BAND SMR 800 TRANSMISSION LINE: ANDREW HL4RP-50A PLENUM RATED 1/2", QTY AS REQUIRED 3. SPLITTER W/N CONNECTORS: ANDREW S-2-CPUSE-L-N, QTY. AS REQUIRED. 4. 1/2"N MALE CONNECTORS: ANDREW L4TNM-PSA, QTY. AS REQUIRED. 5. 800 BAND 6.5 DB GAIN ANTENNA: COMTELCO BS800XL7-A, QTY. 1 PER BD. 6. N FEMALE T ADAPTER: RF INDUSTRIES RFN-1011-1 QTY. AS REQUIRED. 7. 4' RG-58 N MALE-MALE JUMPER: RF INDUSTRIES RFW-1973, QTY AS REQUIRED. 8. OMNI-DIRECTIONAL INDOOR ANTENNA: KATHREIN SCALA DIVISION 800-10249, QTY AS

9. CONTRACTOR TO INSTALL COMPLETE TWO-WAY RADIO SYSTEM, INCLUDING TERMINATIONS. 10. AFTER SYSTEM INSTALLATION IS OCMPLETE AND TESTED, PERFORM A SIGNAL STRENGTH FIELD SURVEY DOCUMENTING COMPLIANCE WITH NFPA 72 AND THE CITY OF MADISON FIRE ALARM CODE. SUBMIT DOCUMENTATION OF COMPLIANCE PRIOR TO REQUEST FOR FINAL 11. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT, MISCELLANEOUS PARTS,

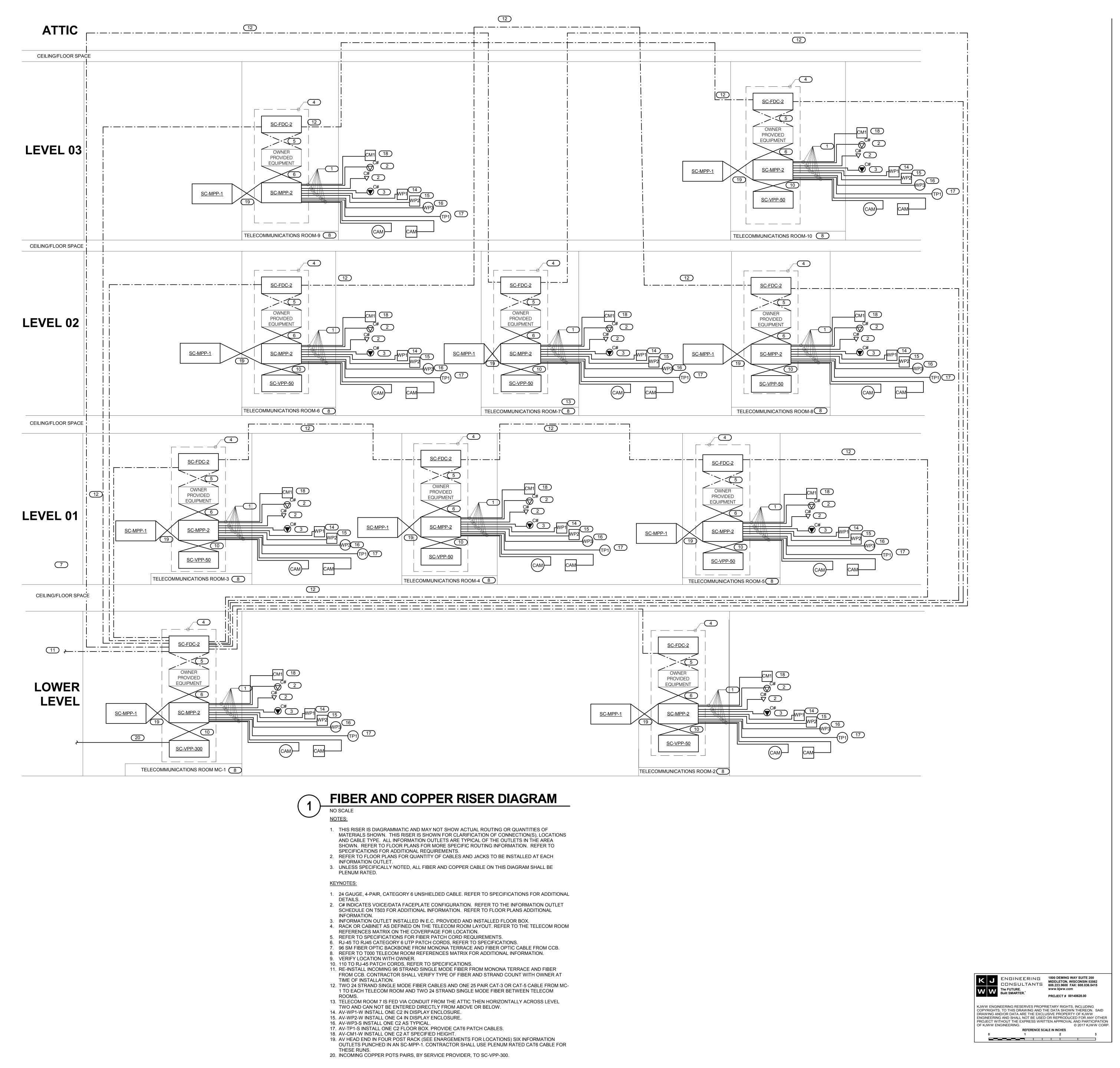
ACCESSORIES, AND PROGRAMMING TO PROVIDE A COMPLETE AND FULLY OPERATIONAL IN-BUILDING PUBLIC SAFETY NETWORK DISTRIBUTED ACCESS SYSTEM. 12. CONTRACTOR SHALL PROVIDE ALL NECESSARY PATHWAYS REQUIRED BY THE PUBLIC SAFETY NETWORK PROVIDER TO SUPPORT THEIR SYSTEMS TO INCLUDE ANY PATHWAYS TO THE ROOF TO SUPPORT ANTENNA CABLING DISTRIBUTION BY THE PSN DAS. 13. ANTENNA PLACEMENTS ON DRAWINGS ARE APPROXIMATE. 14. FACILITY COVERAGE SHALL INCLUDE 95% OF THE FACILITY TO INCLUDE STAIRWELLS,

BONDING CONDUCTOR SIZING SCHEDULE										
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE 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



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	vww.msrdesign.com Landscape Architects
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Structural Engineering	
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MEP Engineers	ciates
860 Blue Gentian Roa Eagan, MN 55121 651.379.9120 tel	ad, Suite 175
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30232 County 7 Chatfield, MN 55923 507.867.1628 tel	
Preservation Architec	-
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608.449.9589 tel Building Envelope Co	nsultant
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303 South Paterson St. Madison, WI 53703 608.251.3600 tel	
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1800 Deming Way, Suite 200 Middleton, WI 53713 608.223.9600 tel	
MEP Engineers MEP Associates	
860 Blue Gentian Road, Suite Eagan, MN 55121 651.379.9120 tel	
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Preservation Architect Charles Quaglia	ina AIA
5641 Willoughby Rd. Mazomanie, WI 53560 608.449.9589 tel	
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4826 Chicago Avenue South, Minneapolis, MN 55417 612.374.3800 tel	Suite 206
Civil Engineers	
999 Fourier Drive, Suite 201 Madison, WI 53717	
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	GENERAL TECHNOLOGY EQUIPMENT SCHEDULE			GENERAL TECHNOLOGY EQUIPMENT SCHEDULE	
CONTRACTO	OR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL M WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.	ATERIAL REQUIRED,	CONTRACTO	DR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL M WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.	
MATERIAL. NO FIRST REA	ERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACT O MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH AD THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICA R LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAIL	CONTRACTOR SHALL TIONS. THE FIRST	MATERIAL. NO FIRST REA	ERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACT O MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH AD THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICA R LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAIL	I CONTRACTOR SHAL TIONS. THE FIRST
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EQUIPMENT LIST ABBREVIATION		EQUIPMENT LIST MANUFACTURER AND MODEL	EQUIPMENT LIST ABBREVIATION		EQUIPMENT LIST MANUFACTURER A MODEL
AC-CR1-W	EQUIPMENT LIST DESCRIPTION CARD READER. PROVIDED AS INTEGRAL PART OF SECURITY MANAGEMENT SYSTEM. REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T502 FOR ADDITIONAL INFORMATION. CARD READERS SHOWN ON PLANS TO IDENTIFY INTENDED MOUNTING LOCATION. REFER TO SPECIFICATION SECTION 28 13 00 FOR COMPLETE INFORMATION.	*	SC-MPP-2	EQUIPMENT LIST DESCRIPTION MODULAR PATCH PANEL, 48 MODULAR RJ-45 TERMINATIONS, MOUNTS DIRECTLY TO EIA/TIA STANDARD 19" RELAY RACK, PORT IDENTIFICATION NUMBERS, PROVIDED WITH COLOR CODING AND LABEL HOLDER KITS, U.L. LISTED. REQUIRES (2) 1.75" MOUNTING SPACES.	HUBBELL CAT 6: P6E48U SYSTIMAX
AC-CR5-W	MULLION MOUNT CARD READER. PROVIDED AS INTEGRAL PART OF SECURITY MANAGEMENT SYSTEM. REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T502 FOR ADDITIONAL INFORMATION. CARD READERS SHOWN ON PLANS TO IDENTIFY INTENDED MOUNTING LOCATION. REFER TO SPECIFICATION SECTION 28 13 00 FOR	*	SC-PS-1	POWER STRIP, HORIZONTALLY MOUNTS IN A STANDARD EIA/TIA 19" RACK, (10) REAR RECEPTACLES, 125VAC/60Hz,	SIEMON BERK-TEK ORTRONICS HUBBELL
AC-DR-S	COMPLETE INFORMATION. ACCESS CONTROL ELECTRONIC DOOR RELEASE, SURFACE MOUNT. HARDWIRED, DPDT, RECESSED ACTIVATION SWITCH, SCREW TERMINALS, MOMENTARY ACTION.	*		PROVIDE WITH 10'-0" CORD., INTERNAL CIRCUIT BREAKER, U.L. LISTED. REQUIRES (1) 1.75" MOUNTING SPACE.	HPWPWR HOMACO INC.
AC-DR-W AC-DS-1	ACCESS CONTROL DURESS/PANIC BUTTON, WALL MOUNT. ACCESS CONTROL DISTRIBUTION POWER SUPPLY. PROVIDES 16VAC DISTRIBUTED VIA 8 PTC PROTECTED OUTPUTS.	* ALTRONIX AL168175CB NO	SC-RI-W	TECHNOLOGY ROUGH-IN, FLUSH MOUNT ON WALL OR AS NOTED IN PLANS. PROVIDE WITH A 4" SQUARE BACKBOX,	CHATSWORTH PRODUCTS TRIPP LITE
AC-EDR-S	115VAC INPUT. ACCESS CONTROL ELECTRONIC DOOR REELASE, SURFACE MOUNT.HARDWIRED, DPDT, RECESSED ACTIVATION SWITCH, SCREW TERMINALS, MOMENTARY ACTION.	SUBSTITUTIONS UNITED SECURITY PRODUCTS HUB 3B	SC-RI-W	TELECOMMUNICATIONS TERMINAL BOARD, 4' X 8' X 3/4" A-C GRADE FIRE-RATED PLYWOOD. EXPOSED SIDE SHALL BE SMOOTH. MOUNT VERTICALLY WITH TOP OF PLYWOOD AT 8'6" A.F.F.	*
		W BOX HONEYWELL	SC-VPP-50	RACK MOUNTED VOICE PATCH PANEL, 110-TYPE, TWO (2) BRACKETS DESIGNED TO MOUNT TO EIA/TIA STANDARD 19" RACK, INCLUDED WITH ONE (1) 100-PAIR 110-TYPE WIRING BLOCKS AND WIRING TROUGHS, REQUIRES (2) 1.75"	HUBBELL
AC-PS-1 AC-SEC-1	ACCESS CONTROL POWER SUPPLY. CONVERTS 115VAC INPUT TO 8 INDEPENDENTLY CONTROLLED 12VDC OR 24VDC FAIL SAFE AND/OR FAIL SECURE OUTPUTS. INCLUDES BUILT-IN BATTERY BACKUP. ACCESS CONTROL SECURITY CONTROL PANEL. REFER TO SPECIFICATION SECTION 28 13 00 FOR COMPLETE	ALTRONIX AL600ULACM NO SUBSTITUTIONS KEYSCAN	SC-VPP-300	MOUNTING SPACES. RACK MOUNTED VOICE PATCH PANEL, 110-TYPE, 300 PAIR, PROVIDE WITH MOUNTING BLOCKS, CONNECTING BLOCKS, HORIZONTAL JUMPER TROUGHS, DUCT ASSEMBLIES, HARDWARE, LABEL HOLDERS, AND BLANK INSERTS, SEE	HUBBELL 110BLK300FTK
AC-SEC-1	INFORMATION AND MODEL NUMBER. ACCESS CONTROL ELEVATOR CONTROL PANEL. REFER TO SPECIFICATION SECTION 28 13 00 FOR COMPLETE	KEYSCAN	SC-VWM-1	SPECIFICATIONS. ALSO PROVIDE WITH 110-TYPE PATCH PANEL SYSTEM BACKBOARD. VERTICAL WIRE MANAGER, 7'H X 10"W X 12.5"D. REMOVABLE FRONT COVER HINGES ON LEFT OR RIGHT. SPOOLS FOR INTEGRAL BEND RADIUS CONTROL.	*
AV-ANT-C AV-CM1-W	INFORMATION AND MODEL NUMBER. KATHREIN SCALA DIVISION 800-10249 MULTI-BAND OMNIDIRECTIONAL INDOOR ANTENNA ROUGH IN FOR FUTURE PTZ CAMERA FOR VIDEO CONFERENCE, PROVIDE 1" CONDUIT TO NEAREST CABLE PATHWAY AND INSTALL 2 GANG BOX WITH SINGLE GANG MUDRING, TERMINATE ONE C1 DATA JACK AND ONE F CONNECTOR FOR	KATHREIN	SC-WAP-W SC-WP-W	WIRELESS ACCESS POINT - OWNER FURNISHED, CONTRACTOR INSTALLED - MOUNT ON WALL INFORMATION OUTLET, WALL PHONE OUTLET, 1-PORT COVERPLATE AS INDICATED ON DRAWINGS. ALSO REFER TO PIN/PAIR CONFIGURATION INFORMATION ON INFORMATION OUTLET SCHEDULE ON SHEET T/501.	* ICC IC107FFWSS
AV-WP1-W	HD-SDI CABLE, ROUTE HD-SDI CABLING TO NEAREST TR FOR FUTURE FIBER TRANSCEIVER, WALL MOUNTED AT +96 AFF UNLESS OTHERWISE NOTED. A/V DISPLAY CONNECTIVITY BOX ROUGH IN (FSR PWB-250 WHITE) 14.25" X 7" X 4" WALL RECESSED BOX WITH TWO	FSR		" W " PROVIDE (1) RJ-45 JACK FOR VOICE AT +48" AFF FOR WALL HUNG PHONE. PROVIDE WITH STAINLESS STEEL FACEPLATE, MATING LUGS. REFER TO PIN/PAIR CONFIGURATION DIAGRAM IN INFORMATION OUTLET FOR ADDITIONAL INFORMATION.	
	SINGLE GANG AND ONE 1-1/4" KNOCKOUTS: INSTALL ONE 3/4" CONDUIT FOR POWER, PROVIDE SINGLE GANG JUNCTION BOX AND DUPLEX RECEPTACLE INSTALL ONE 1" CONDUIT TO NEAREST CABLE TRAY OR PATHWAY FOR INFORMATION OUTLET, REFER TO INFORMATION OUTLET SCHEDULE ON T503 FOR WALL PLATE AND JACK INFORMATION INSTALL ONE 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING FOR FUTURE LOW VOLTAGE CABLING, FINISH WITH	PWB-250		INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING OR UNLESS OTHERWISE NOTED.	
AV-WP2-W	NYLON BUSHING. INSTALL AT 60" OC AFF UNO. WALL PLATE ROUGH IN FOR FUTURE LOW VOLTAGE CABLING, INSTALL 5x5 BOX WITH SINGLE GANG MUDRING AND PROVIDE ONE 2" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING AND TERMINATE WITH A NYLON BUSHING, PROVIDE				
AV-WP3-W	BLANK FACEPLATE.INSTALL AT 18" OC AFF UNLESS OTHERWISE NOTED ON PLANS.WALL PLATE ROUGH IN FOR FUTURE LOW VOLTAGE CABLING, INSTALL 5x5 BOX WITH SINGLE GANG MUDRING AND PROVIDE ONE 2" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING AND TERMINATE WITH A NYLON BUSHING, PROVIDE BLANK FACEPLATE.BLANK FACEPLATE.INSTALL AT 18" OC AFF UNLESS OTHERWISE NOTED ON PLANS.				
AV-WP4-W	WALL PLATE ROUGH IN FOR FUTURE LOW VOLTAGE CABLING, INSTALL 4x4 BOX WITH SINGLE GANG MUDRING AND PROVIDE ONE 1.25" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING AND TERMINATE WITH A NYLON BUSHING, PROVIDE BLANK FACEPLATE. INSTALL AT 18" OC AFF UNLESS OTHERWISE NOTED ON PLANS.				
CC-C1-W	DIGITAL CLOCK, 4 DIGIT WITH 4 DEGREE SURFACE WALL MOUNT, POE SUPPORT.	PRIMEX WIRELESS C2005X200 OR PRE-APPROVED EQUAL			
CC-C2-W	24" ANALOG CLOCK FOR HISTORIC ROOM 260, SURFACE WALL MOUNT, POE SUPPORT, COORDINATE WITH OWNER AND ARCHITECT ON BEZEL FINISH PRIOR TO ORDERING.	PRIMEX WIRELESS SNS4Z346Q			
PW-CPW-1	STI EZ PATH. FIRE-RATED PATHWAY. HEAVY-GUAGE GALVANIZED STEEL RACEWAY LINED WITH INTUMESCENT MATERIAL. PAINTED SAFETY ORANGE, 4"W X 4-5/8"H X 14"L. FIELD GANGABLE WITH MULTIPLES OF THE SAME PART	OR PRE-APPROVED EQUAL STI EZ-PATH SERIES 44+			
PW-JB-W	NUMBER. JUNCTION BOX WITH 1-1/2", OR AS SPECIFIED ON DRAWINGS, FLEXIBLE METAL CONDUIT FURNIUTURE WHIP. INSTALL 4-11/16" SQUARE BACKBOX WITH SINGLE GANG PLASTER RING AND 1-1/4"	*			
SC-ER-1	CONDUIT ROUTED TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED ON THE FLOOR PLANS. STANDARD 19" EQUIPMENT RACK, 84"H X 19"W X 15"D, FEATURING PASS-THRU HOLES ON FRONT AND SIDES FOR CABLE MANAGEMENT (HUBBELL VS76H), DURABLE BLACK POWDER COAT FINISH, MEETS EIA-310-E REQUIREMENT AND PROVIDES (45) 19" X 1.75" MOUNTING SPACES.	HUBBELL			
	PROVIDE WITH TOP CENTER WATERFALL, TOP CHANNEL PATHWAY FOR LADDER RACK, AND ANY ADDITIONAL HARDWARE FOR COMPLETE INSTALLATION. REFER TO SPECIFICATIONS SECTION 27 11 00 FOR ADDITIONAL INFORMATION.				
SC-ER-2	4-POST EQUIPMENT RACK WITH #12-24 THREADED RAILS, 84" HIGH, 23" WIDE SUPPORTING STANDARD 19" MOUNTING SPACE, 29-36" DEEP. INDEPENDENT ADJUSTABLE FRONT AND REAR MOUNTING RAILS CAN BE ADJUSTED WHILE RACK IS SECURED TO FLOOR. PRINTED RACK SPACE IDENTIFICATION ON ALL EQUIPMENT RAILS. UL LISTED FOR 2,500LBS, DURABLE BLACK POWDER COAT FINISH, PROVIDES (45) 1.75 MOUNTING SPACES THIS. EQUIPMENT SHALL INCLUDE VERTICAL WIRE MANAGEMENT.				
SC-FDC-2	OPTICAL FIBER DISTRIBUTION PANEL, RACK MOUNT, HIGH DENSITY, MINIMUM 144 FIBER CAPACITY, PROVIDE WITH CLAMP AND GROUNDING KIT, COUPLING PANELS, DUPLEX LC CONNECTORS, COUPLINGS AND JUMPERS. REQUIRES (2) 1.75" MOUNTING SPACES.	HUBBELL FCR SERIES PANELS:			
		FSP SERIES SYSTIMAX			
SC-FF-F	INFORMATION OUTLET, POKE-THROUGH MOUNT, FIRE RATED, 4 HOUR RATING, TWO (2) 1" EMT CONDUITS, PROVIDE	BELDEN ORTRONICS LEGRAND EVOLUTION 10			
	COMMUNICATIONS INSERTS AND BLANK INSERTS 8 GANG UNITS TOTAL, DATA JACKS AS INDICATED ON DRAWINGS, REFER TO DRAWING T503 FOR PIN CONFIGURATION. "# "INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE				
SC-GND-1	PLANS. REFER TO DRAWING T501. BASIS OF DESIGN IS AN LEGRAND EVOLUTION 10" WALL MOUNT GROUND BAR. 4" H X 12" L X 1/4" D COPPER, ELECTRICALLY ISOLATED BY INSULATORS INTEGRAL TO MOUNTING BRACKETS. PROVIDE UNIT CONFIGURED WITH SIXTEEN (16) SETS OF 5/16" HOLES SPACED 5/8" ON CENTER TO ACCOMMODATE "A" SPACED TWO-HOLE COMPRESSION LUGS AND THREE (3) SETS OF 7/16" HOLES SPACED 1" ON	CHATSWORTH PRODUCTS 40153-012			
	CENTER TO ACCOMMODATE "C" SPACED TWO-HOLE COMPRESSION LUGS. ANSI/EIA/TIA-607 AND BICSI COMPLIANT. UL LISTED. REFER TO 1/T301 FOR ADDITIONAL INFORMATION.	ERICO HARGER			
SC-GND-2	RACK MOUNT GROUND BAR. COPPER, 3/16" D X 3/4" H X 19" W, (8) #6-32 TAPPED LUG MOUNTING HOLES, (4) 5/16" UNTAPPED LUGS, U.L. LISTED.	CHATSWORTH PRODUCTS 10610-019 ERICO HARGER			
SC-HWM-1	HORIZONTAL WIRE MANAGEMENT, 1.5" X 3" PRE-ASSEMBLED D-RINGS ON FRONT, 1.5" X 5" PRE-ASSEMBLED D-RINGS ON REAR. PROVIDE WITH COVER. REQUIRES (1) 1.75" MOUNTING SPACE	*			
SC-HWM-2	HORIZONTAL WIRE MANAGEMENT, 3" X 3" RIGID FRONT FINGERS WITH FLEXIBLE RETENTION TABS, 2" X 5" FLEXIBLE REAR FINGERS. REMOVABLE FRONT COVER HINGES 180 DEGREES UP OR DOWN. INTEGRAL BEND RADIUS CONTROL. PASS THROUGH HOLES ALLOW FRONT TO REAR CABLING. REQUIRES (2) 1.75" MOUNTING SPACES.HORIZONTAL WIRE	HUBBELL HC219CE1N			
	MANAGEMENT, 3" X 3" RIGID FRONT FINGERS WITH FLEXIBLE RETENTION TABS, 2" X 5" FLEXIBLE REAR FINGERS. REMOVABLE FRONT COVER HINGES 180 DEGREES UP OR DOWN. INTEGRAL BEND RADIUS CONTROL. PASS THROUGH HOLES ALLOW FRONT TO REAR CABLING. REQUIRES (2) 1.75" MOUNTING SPACES.	SYSTIMAX BELDEN ORTRONICS			
SC-IO-F	INFORMATION OUTLET, POKE-THROUGH MOUNT 4, 6 PORT COVERPLATE AS INDICATED ON DRAWINGS AND INFORMATION OUTLET SCHEDULE. REFER TO INFORMATION OUTLET SCHEDULE ON T501 FOR PIN CONFIGURATION INFORMATION.	LEGRAND EVOLUTION 10" POKE THRU			
	" # " INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO INFORMATION OUTLET SCHEDULE ON T501 FOR ADDITIONAL INFORMATION.	JACK: ORTRONICS (CAT 6)			
	INSTALL INFORMATION OUTLET IN E.C. PROVIDED FLOORBOX. PROVIDE ADAPTER PLATE FOR 106-TYPE FACEPLATE WHERE REQUIRED. COORDINATE ADDITIONAL MOUNTING REQUIREMENTS WITH E.C. PROVIDE REMOVABLE BLANK	DATA JACK, GREEN OR-TJ600-45 (CAT 6A)			
	INSERTS FOR UNUSED PORTS. REFER TO SPECIFICATION SECTION 27 15 00 FOR ADDITIONAL INFORMATION.	DATA JACK, GREEN OR-TJ6A-45 (BLANK FILLER) ORTRONICS OR-42100002			
		(F-CONNECTOR) ORTRONICS F-JACK INSERT OR-63700006			
SC-IO-FB	FLOORBOX, 6-COMPARTMENT BOX FOR USE IN EITHER CONCRETE OR WOOD FLOORS. COVERPLATE AS INDICATED ON DRAWINGS AND INFORMATION OUTLET SCHEDULE. REFER TO INFORMATION OUTLET SCHEDULE ON T503 FOR PIN CONFIGURATION INFORMATION.				
	" # " INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO INFORMATION OUTLET SCHEDULE ON T503 FOR ADDITIONAL INFORMATION.	ORTRONICS OR-40300546 JACK: ORTRONICS			
	INSTALL INFORMATION OUTLET IN E.C. PROVIDED FLOORBOX. PROVIDE ADAPTER PLATE FOR 106-TYPE FACEPLATE WHERE REQUIRED. COORDINATE ADDITIONAL MOUNTING REQUIREMENTS WITH E.C. PROVIDE REMOVABLE BLANK	(CAT 6) DATA JACK, GREEN OR-TJ600-45			
	INSERTS FOR UNUSED PORTS. REFER TO SPECIFICATION SECTION 27 15 00 FOR ADDITIONAL INFORMATION.	(CAT 6A) DATA JACK, GREEN OR-TJ6A-45 (BLANK FILLER)			
		ORTRONICS OR-42100002 (F-CONNECTOR) ORTRONICS F-JACK			
SC-IO-W	INFORMATION OUTLET, WALL MOUNT 2,4 PORT COVERPLATE AS INDICATED ON DRAWINGS AND INFORMATION OUTLET SCHEDULE, REFER TO INFORMATION OUTLET SCHEDULE ON T503 FOR PIN CONFIGURATION INFORMATION.	INSERT OR-63700006 COVER PLATE: ORTRONICS OR-40300546			
	"#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE DRAWINGS. REFER TO INFORMATION OUTLET SCHEDULE ON T503 FOR ADDITIONAL INFORMATION.	JACK: ORTRONICS			
	INFORMATION OUTLET SCHEDULE ON T503 FOR ADDITIONAL INFORMATION. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO NEAREST ACCESSIBLE CEILING UNLESS OTHERWISE NOTED. PROVIDE REMOVABLE BLANK INSERTS FOR	ORTRONICS (CAT 6) DATA JACK, GREEN OR-TJ600-45			
	UNUSED PORTS. REFER TO SPECIFICATION SECTION 27 15 00 FOR ADDITIONAL INFORMATION.	OR-1J600-45 (CAT 6A) DATA JACK, GREEN OR-TJ6A-45 (BLANK FILLER)			
		ORTRONICS OR-42100002 (F-CONNECTOR)			
		ORTRONICS F WALL JACK INSERT OR-63700006			
SC-MPP-1	CAT 6 MODULAR PATCH PANEL, 24 MODULAR RJ-45 TERMINATIONS, MOUNTS DIRECTLY TO EIA/TIA STANDARD 19" RELAY RACK, PORT IDENTIFICATION NUMBERS, PROVIDED WITH COLOR CODING AND LABEL HOLDER KITS, U.L. LISTED.	ORTONICS 1U, 24 PORT CAT 6			

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																							CONTROLS. RELAY TO ACTIVATE OPEN CIRCUIT ON DOOR CONTROLS WHEN TRIGGERED BY FIRE OR OTHER EMERGENCY SIGNAL. RELAY TO ACTIVATE DOO CONTROLS SHALL ACTIVATE THE DOOR CONTROLS FOR A SPECIFIC TIME AND BE ACTIVATED ON A SCHEDULE. COORINDATE WITH OWNER FOR LENGTH OF T AND SCHEDULE. COORDINATE WITH OVERHEAD DOOR CONTRACTOR.
006	N/A CR1										•		•					•					SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
013	CR5										-		•	•									DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
015	CR5												•	•									SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
017 017B	CR1 CR5										•	•		•									TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
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022	CR5											•	•	•									DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
024 028A	CR1												•	•									SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THI
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035	NA CR1												•	•									SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THI DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THI
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12A	N/A																						SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
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118 26B	CR1 CR1												•										SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
127	CR1												•	•									DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
128 30A	CR1 CR1													•									SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
130A	CR1												•										DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
32A	CR1													•									SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
32B 134	CR1 CR1													•									SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
35B	CR1								•		•		•	•									DIRECTION OF THE DOOR CONSULTANT. TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.POWER SUPPLY PANEL IN TR.
136	NA CR1																						SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
148 A,150B	CR1 CR1		•								•			•						-	•		SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF GLASS DOOR AT THIS DOORWAY. DOOR SEQUENCING AND
52A	CR1																						HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
52B	CR1												•	•									DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
A,160B 200	CR1 CR1										•			•									SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
200	CR1 CR1	_	 •								•			•							•		DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
21B	N/A			+										•									DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
260C	CR1													•									SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE.
261C 265	N/A CR1	_									•			•									TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
267	CR1												•	•									DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR. TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
800A	CR1		•								•			•							•		SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR.
01A	CR1 CR1		•				•				•			•							•		SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT TH DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR.

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				-			IN	TEGR	ATION				REQUES EXIT	_		DO	OR HA	RDWARE			ОТІ		REFER TES)	то	
DOOR #	ROUGH-IN ONLY CREDENTIAL READER TYPE	MULTIPLE CREDENTIAL READERS OPERATES SINGLE DOOR	OPERATES MULTIPLE DOORS		AUTOMATIC DOOR OPERATOR	ELEVATOR	LOCKED BY EMERGENCY DURESS SEQUENCE	REMOTE UNLOCK VIA INTERCOM MASTER				VIDEO SURVEILLANCE	INTERNAL ELECTRIFIED HARDWARE CONNECTION LOCAL PUSHBUTTON DOOR HARDWARE OVERRIDE	MOTION DETECTOR ELECTRONIC LOCKING HARDWARE (BY DOOR CONTRACTOR)	MAG LOCK	LATCH STATUS DETECTION	LOCAL ALARM HORN	MONITOR LATCH BOLT MONITOR DOOR POSITION SWITCH SPDT	MONITOR DOOR POSITION SWITCH DPDT	MONITOR DOOR POSITION SWITCH FOR OVERHEAD DOOR	DELAYED EGRESS	LOCAL 120VAC POWER SUPPLY	SCHEDULE BASED LOCKING	VISUAL STROBE	NOTES
311	CR1		0		•		-	- L			<u> </u>		•		•										SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
313	CR1													•	•										SINGLE LEAF DOOR AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
319	NA		•											•				•						-	TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. CARD READER BETWEEN 319A AND 319 OPERATES BOTH DOORS.
320A	CR1													•	•									-	TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
321	CR1													•	•										SINGLE LEAF DOOR AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT.
E202	CR1													•	•										SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE.
E203	CR1													•	•										SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE.
E205	CR1													•	•										SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E206	CR1													•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E207	CR1													•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E208	CR1													•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E216	CR1													•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E221A	CR1													•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E226	CR1													•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E262	CR1											_		•	•										DIRECTION OF THE DOOR CONSULTANT. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E264	CR1				•									•	•							•			DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E266	CR1													•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E271	CR1								•					•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
E302	CR1													•	•										DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. SINGLE LEAF AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
EVATOR	CR1					•																•		I	DIRECTION OF THE DOOR CONSULTANT. DOOR TO HAVE ELECTRIC STRIKE. CREDENTIAL READER IN ELEVATOR CAB.
CAR F1	CR1				•								•		•							•			TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
F8	N/A				•		•				•		•	•	•	•			•			•			DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR. TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
F9	N/A				•		•			_	•		•	•	•	•			•			•	•	I	DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR. TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
F10	CR1				•		•						•			•			•			•		I	DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR. TWO LEAVES AT THIS DOORWAY. DOOR SEQUENCING AND HARDWARE AT THE
-	CR1															-						-			DIRECTION OF THE DOOR CONSULTANT. POWER SUPPLY PANEL IN TR.

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LENS FEA FOCAL LENGTH CAM 1 4.3-98.9 mm,F1.6-F4.2 CAM 2 4.44-142.6 mm, F1.6-4.41 • CAM 3 4.3-98.9 mm,F1.6-F4.2 ٠

												CA	MER	A (CCTV)	TYP	E SCH	EDUL	E										
										CAME	RA									ENCLOS	SURE							
FEA	TURES		S	SENSOI SIZE		AXIMUI OLUTI		SENS	SITIVITY TYPE					FEA	TUR	ES		TYP	E	MOUNT			FEA	ATURE	S			
	AUTO ZOOM	MEGAPIXEL	DAY/NIGHT 1/4"			-		DYNAMIC LOW LIGHT WIDE DYNAMIC RANGE	MINIMUM ILLUMINATION	SHUTTER SPEED	COMPRESSION CODEC	RATE	DAY/NIGHT	INFRARED UTP VIA BALUN FIBER TX/RX TERMINATION	AL ZOOM	WIRELESS TCP/IP	CCD CMOS	RECESSED DOME SURFACE MOUNTED DOME PENDANT MOUNTED DOME	DSED CAMERA			oor (nema Tdoor (nem /iromental	VANDAL PROOF (IEC 68 2 27) PRISON GRADE	ENVIROMENTAL SENSORS ENCLOSURE WIPER BLADE	ERNAL BLOWEF	PRESSURIZED (NEMA6P)	BASIS OF DESIGN	NOTES:
•	•				1280) 72	0	• •	0.01 lux @ F1.6	1/45500 to 2s	H.264, MPEG-4, MOTION JPEG	60	•	•	•	•	•		•		WHITE	•					AXIS P5624-E Mk II	
•	•			•	1920) 108	30	• •	0.3 LUX @ F1.6	1/33000 - 1/4 s	H.264, MPEG-4, MOTION JPEG	30	•	•	•	•	•	• •	•		WHITE	•	•		•		AXIS Q6055-E	
•	•			•	1280) 72	0	• •	0.01 lux @ F1.6	1/45500 to 2s	H.264, MPEG-4, MOTION JPEG	60	•	•	•	•	•		•	•	WHITE	•					AXIS P5624-E Mk II USING AXIS T91G61 WALL MOUNT	

	INDIVIDUAL CAMERA (CCTV) REQUIREMENTS SCHEDULE														
CAMERA #	CAMERA TYPE CODE	CODEC	H. RESOLUTION	V. RESOLUTION	FIXED CAMERA	VARIFOCAL	NOTES								
00-01	CAM 1	H.264	1280	720	No	No	360 DEGREE CAMERA, GROUND LEVEL, CUSTOMER SERVICE, VIEW OF COUNTERS AND CONFERENCE ROOM								
00-02	CAM 2	H.264	1920	1080	No	No	360 DEGREE PTZ CAMERA, GROUND LEVEL, REAR ENTRANCE								
01-01	CAM 1	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL ONE, DOTY STREET VESTIBULE								
01-02	CAM 3	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL ONE, WEST CORRIDOR, PENDANT MOUNTED ABOVE GLASS WALL ON DRYWALL FACIA								
01-03	CAM 1	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL ONE, IN CORRIDOR TO STAIR A								
01-04	CAM 3	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL ONE, EAST CORRIDOR, PENDANT MOUNTED ABOVE GLASS WALL ON DRYWALL FACIA								
01-05	CAM 2	H.264	1920	1080	No	No	360 DEGREE CAMERA, LEVEL ONE, REAR VESTIBULE								
01-06	CAM 1	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL ONE, INTERVIEW HALLWAY, VIEW OF ARCH DOORWAYS 126A, 127, AND CORRIDOR								
01-07	CAM 1	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL ONE, INTERVIEW HALLWAY, VIEW OF ARCH DOORWAYS 122 AND 123								
01-08	CAM 1	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL ONE, HOUSING RECEPTION, VIEW OF ARCH DOORWAY 112A AND EAST SEATING								
01-9	CAM 1	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL ONE, HOUSING RECEPTION, VIEW OF ARCH DOORWAY 112B AND WEST SEATING AREA								
02-01	CAM 3	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL TWO, WEST CORRIDORPENDANT MOUNTED ABOVE HISTORIC WOOD PANELING ON DRYWALL FACIA								
02-02	CAM 3	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL TWO, CENTRAL CORRIDOR NEAR AV ROOM PENDANT MOUNTED ABOVE HISTORIC WOOD PANELING ON DRYWALL FACIA								
02-03	CAM 3	H.264	1280	720	No	No	360 DEGREE CAMERA, LEVEL TWO, EAST CORRIDOR PENDANT MOUNTED ABOVE HISTORIC WOOD PANELING ON DRYWALL FACIA								

INGLE GANG WALLPLATES
OUBLE GANG WALLPLATES
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NOTES: SCHEDULE NOTES:

CONFIGURATION C1 C2 C4 C6 C8 WAP

