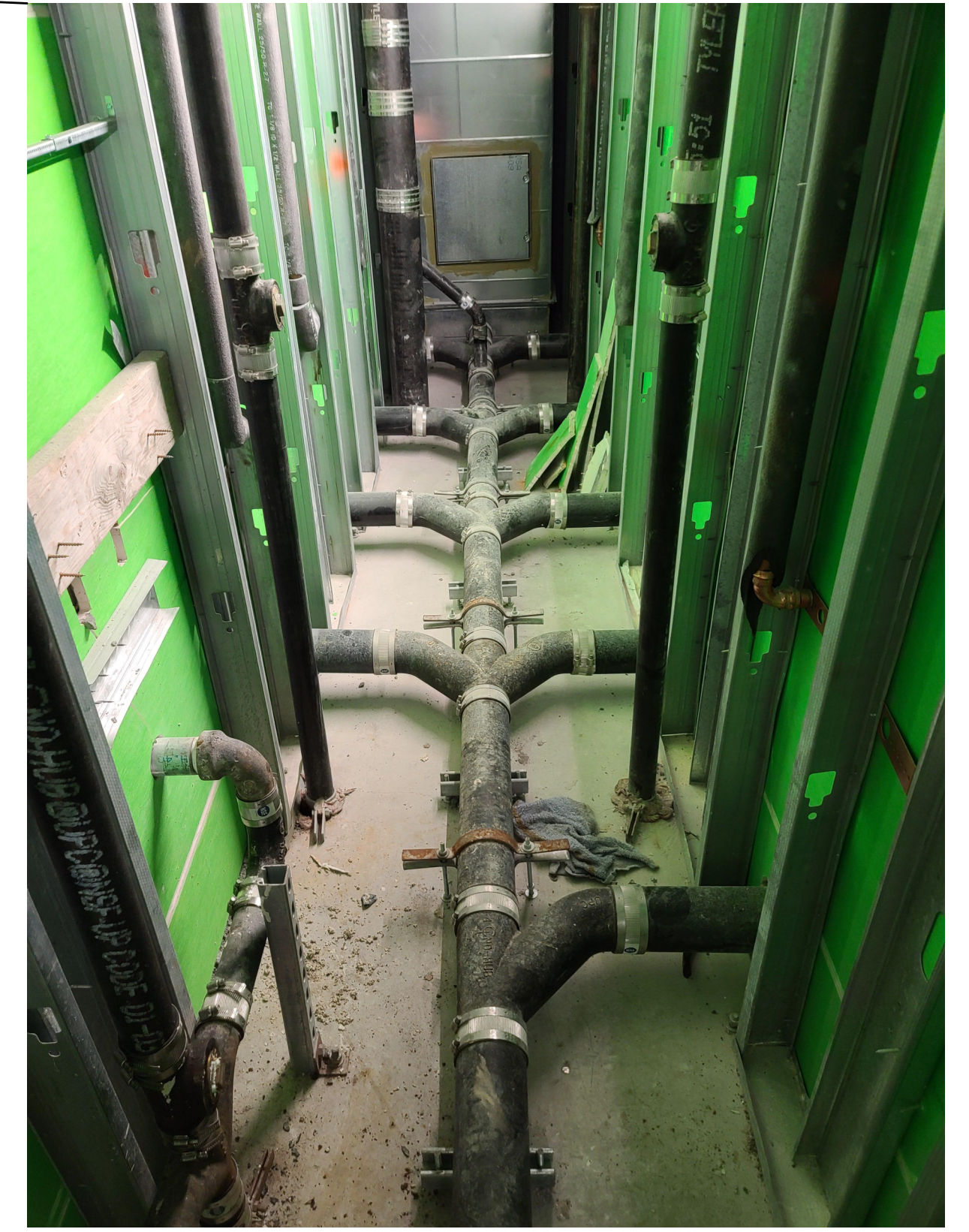
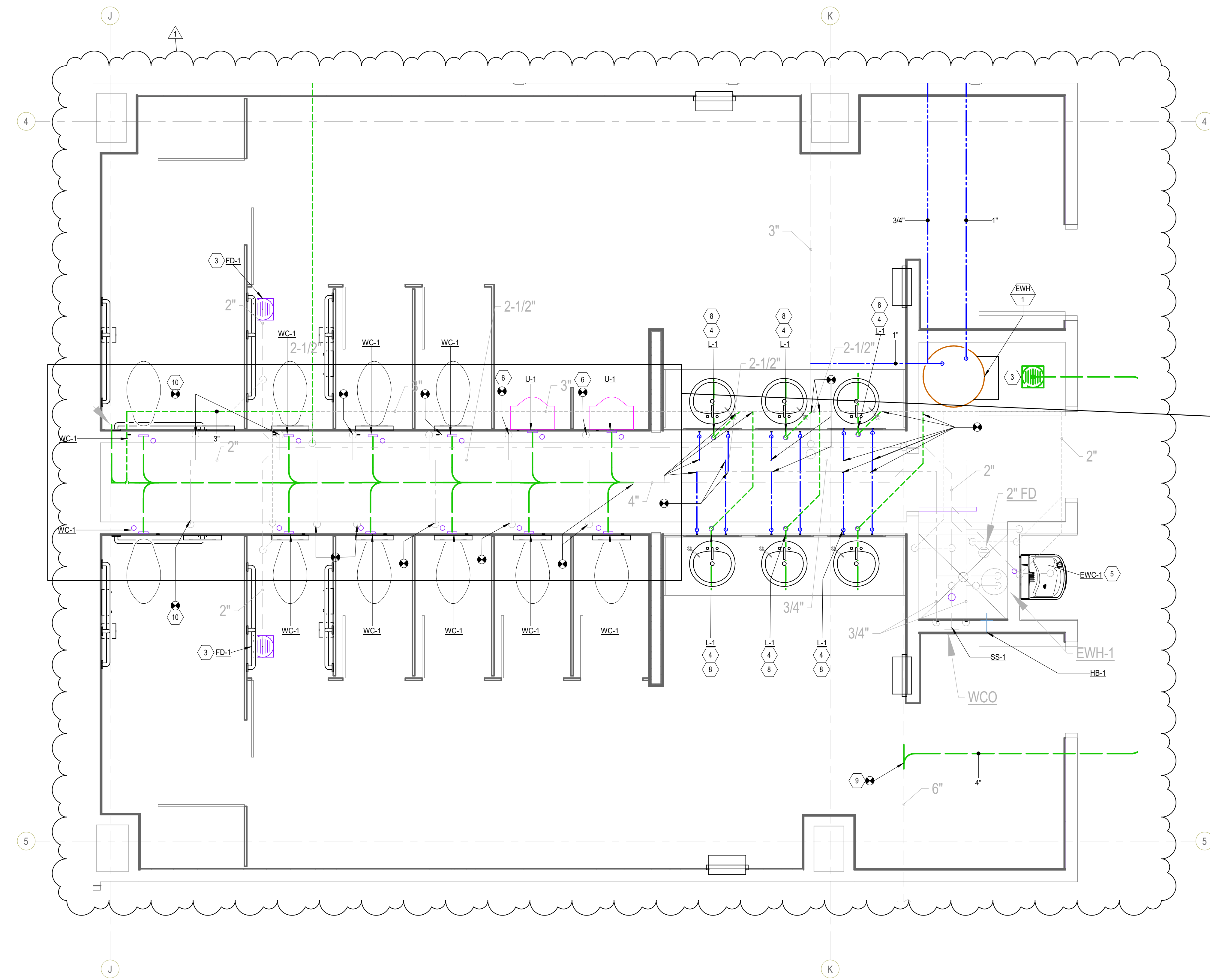


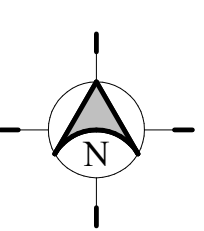
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1	Addendum #2	05-11-22

KEYED NOTES

- EXISTING ELEMENTS SHOWN LIGHT, TYPICAL.
- RECONNECT WASTE AND VENTING TO NEW BACKOUTLET WATER CLOSETS. MATCH EXISTING FLOORS ABOVE WHERE APPLICABLE.
- REPLACE EXISTING FLOOR DRAINS, TYPICAL.
- REPLACE WITH NEW LAVATORY FIXTURE. REPLACE THERMOSTATIC MIXING VALVES, STOPS, AND CHECK VALVES.
- REWORK EXISTING PLUMBING TO ACCOMMODATE NEW ELECTRIC WATER COOLER. PROVIDE WITH NEW STOP.
- REWORK EXISTING PLUMBING TO ACCOMMODATE NEW URINAL.
- PROVIDE SHUT OFF VALVE ON DCW LINE TO HOSE BIB.
- INSTALL TRANSFORMER FOR FAUCETS BEHIND PLUMBING CHASE.
- CONNECT NEW 4" W LINE TO EXISTING 6" WASTE LINE.
- RELOCATE DCW LINES TO WATER CLOSETS/ URINALS TO MATCH NEW LOCATIONS, TYPICAL.



1 PLUMBING ENLARGED RESTROOM PLAN
PP401 | SCALE: 1/2" = 1'-0"



<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84402 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 12 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT</p>	
	<p>PROJECT: INTERMOUNTAIN LAKE PARK LEVEL 1 - NORTH REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>	
<p>SHEET DESCRIPTION: PLUMBING ENLARGED RESTROOM PLAN</p>		<p>SHEET: PP401</p>

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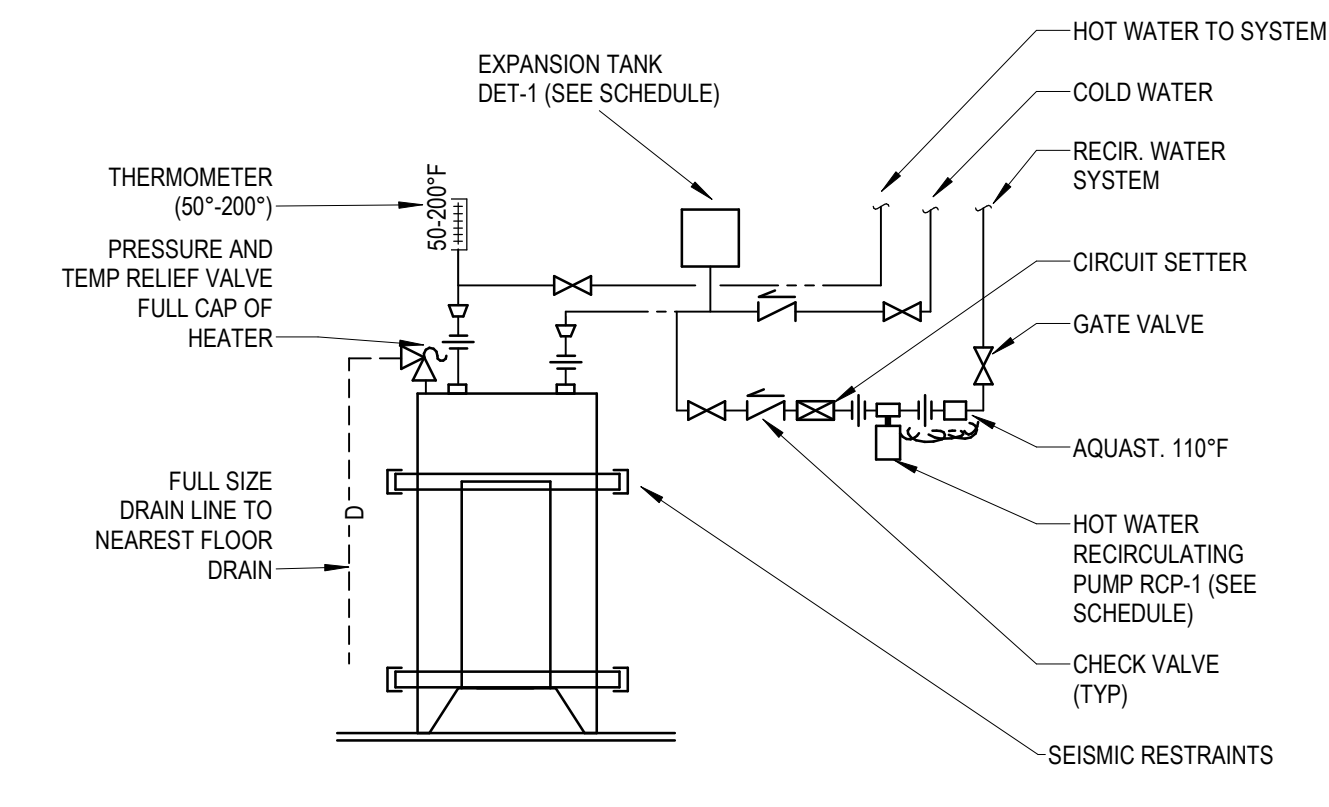
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1 WATER HEATER, ELECTRIC DETAIL
PP501 | SCALE: N.T.S

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BIM 360://21-099 IFC Lake Park Level 1 - North Remodel/21592 InterMountain Lake Park North Level 1 Mech v21.rvt
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 CURTIS MINER PLEASANT GROVE ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 789-3000 cma@cmahutah.com	DATE: 12 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT
	<small>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT © 2022 CURTIS MINER ARCHITECTURE, LLC</small>
PROJECT: INTERMOUNTAIN LAKE PARK LEVEL 1 - NORTH REMODEL 4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120	
SHEET DESCRIPTION: PLUMBING DETAILS	SHEET: PP501

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PLUMBING FIXTURE SCHEDULE							
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	DESCRIPTION	SPECIFICATION
DB-1	DIALYSIS BOX	1/2	---	2	1-1/2	DIALYSIS BOX	WHITEHALL M8196-SV-VB DIALYSIS BOX, 4 IN DEPTH, 316 SS CONSTRUCTION, RECESSED CABINET WITH LOCKING DOOR MOUNTED FOR SIDE SWING, SINGLE SUPPLY VALVE WITH VACUUM BREAKER AND DISCHARGE HOSE BRACKET, CONTRACTOR TO PROVIDE FEMALE QUICK-CONNECT FITTING, PROVIDE WITH PVC TRAP, PROVIDE WITH EXTRA FLASHING AT WALL FLANGE, SEE DETAIL.
EW-1	EMERGENCY EYEWASH	1/2	1/2	---	---	COUNTER MOUNTED, TEPID WATER	GUARDIAN G5022BP EYEWASH/DRENCH HOSE DECK MOUNTED UNITS WITH SLOAN ETF-470-A SINGLE CHECK VALVES ON HOT AND COLD LINES AND GUARDIAN G3600LF THERMOSTATIC MIXING VALVE. INSTALL THE EYEWASH/DRENCH HOSE UNIT ON THE COUNTER NEXT TO THE SINK. INSTALL THE MIXING VALVE ABOVE THE CEILING WITH THE OUTLET TEMPERATURE SET TO 75-80°F.
EWC-1	PUBLIC ELECTRIC WATER COOLER	1/2	---	2	1-1/2	WALL HUNG, SINGLE STATION, BOTTLE FILLING STATION	ELECTRIC WATER COOLER: ELKAY EZH20 LZS8WSVRLK SINGLE STATION ADA HEIGHT, WALL MOUNTED WITH BOTTLE FILLING STATION, BARRIER FREE, ADA ELECTRIC WATER COOLER WITH VANDAL RESISTANT BUBBLER, STAINLESS STEEL BOWL AND CONTROL BUTTONS ON FRONT AND SIDES, COMPRESSOR TO BE 115V, 60 HZ WITH CAPACITY TO DELIVER AT LEAST 8.0 GPH OF 50°F WATER, 1-1/2" CAST BRASS CHROME-PLATED P-TRAPS.
FD-1	FLOOR DRAIN	---	---	2	1-1/2	FLOOR DRAIN	FLOOR DRAIN: SMITH FIGURE 2005Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE. PROVIDE TRAP GUARD TYPE TRAP SEAL DEVICE.
FS-1	FLOOR SINK	---	---	3	1-1/2	FLOOR SINK	FLOOR SINK: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED 1/2 GRATE AND ALUMINUM DOME BOTTOM STRAINER.
HB-1	HOSE BIBB	1/2	---	---	---	HOSE BIBB	HOSE BIBB: CHICAGO 387-369COLD244CP WALL MOUNTED SILL, 3/4" MALE HOSE THREAD OUTLET, PROVIDE SEPARATE PRESSURE VACUUM BREAKER.
L-1	PUBLIC TOILET ROOM LAVATORY	1/2	1/2	1-1/2	1-1/2	COUNTER MOUNTED SENSORED FAUCET	LAVATORY: KOHLER K-2205-G CAXTON OVAL UNDERMOUNT SINK, FITS STANDARD 14"x17" COUNTERTOP CUTOUT, MOEN 8554AC DC/AC POWERED FAUCET WITH 0.5 GPM AERATOR AND TEMPERATURE MIXER, FAUCET SHALL BE HARD WIRED, PROVIDE TRANSFORMER 104630 FOR EVERY 8 DEVICES AND ALL OTHER REQUIRED ELECTRICAL COMPONENTS, WATTS LFUSG-B-M2 THERMOSTATIC MIXING VALVE WITH SLOAN ETF-470-A SINGLE CHECK VALVES ON HOT AND COLD LINES, FLEXIBLE STAINLESS STEEL SUPPLIES WITH 1/4 TURN ANGLE STOPS, MOEN 123816 OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG, PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.
L-2	TOILET ROOM LAVATORY	1/2	1/2	1-1/2	1-1/2	WALL HUNG SENSORED FAUCET	LAVATORY: KOHLER K1721, CHESAPEAKE, 20" X 18", VITREOUS CHINA, SINGLE 8" CENTER, MOEN 8554AC DC/AC POWERED FAUCET WITH 0.5 GPM AERATOR AND TEMPERATURE MIXER, FAUCET SHALL BE HARD WIRED, PROVIDE TRANSFORMER 104630 FOR EVERY 8 DEVICES AND ALL OTHER REQUIRED ELECTRICAL COMPONENTS, WATTS LFUSG-B-M2 THERMOSTATIC MIXING VALVE WITH SLOAN ETF-470-A SINGLE CHECK VALVES ON HOT AND COLD LINES, FLEXIBLE STAINLESS STEEL SUPPLIES WITH 1/4 TURN ANGLE STOPS, MOEN 123816 OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG, REMOVE EXISTING CARRIER AND REPLACE WITH SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT, PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.
S-1	BREAKROOM SINK	1/2	1/2	2	1-1/2	SINGLE COMPARTMENT, STAINLESS STEEL UNDERMOUNT SINK	SINK: JUST USN-1821-A INTEGRA DRAIN 19"x16"x7.5" DEEP BOWL, UNDERMOUNT SINGLE COMPARTMENT 18 GA. STAINLESS STEEL SINK, PROVIDE MOEN 5965 KITCHEN FAUCET WITH 1.5 GPM AERATOR, UNIT INCLUDES 4" TAILPIECE AND BASKET STRAINER, FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-2	WORK AREA SINK	1/2	1/2	2	1-1/2	DOUBLE COMPARTMENT, STAINLESS STEEL UNDERMOUNT SINK	SINK: JUST UDXN-1832-A INTEGRA DRAIN TWO 16"x14"x10.5" DEEP BOWLS, UNDERMOUNT DOUBLE COMPARTMENT 18 GA. STAINLESS STEEL SINK, CHICAGO 786-GN8FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, 8" GN8 RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET, FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
SD-1	SHOWER DRAIN	---	---	2	1-1/2	SHOWER DRAIN	FLOOR DRAIN: SMITH FIGURE 2005Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE.
SH-1	DECON ROOM SHOWER	1/2	1/2	---	---	SHOWER	SHOWER (ADA COMPLIANT): SYMMONS 1-1170VT-T600B-36-V-X-352SH-3-1.5 VISU-TEMP EXTRA HEAVY DUTY SHOWER SYSTEM WITH PRESSURE BALANCING MIXING VALVE, CLEAR-VUE THERMOMETER, LEVER HANDLE, ADJUSTABLE STOP SCREW, INTEGRAL SERVICE STOPS, 1.5 GPM SHOWER HEAD WITH ARM AND FLANGE, LEVER DIVERTER WITH INTEGRAL VOLUME CONTROL, 1.5 GPM WALL/HAND SHOWER WITH 6" FLEXIBLE METAL HOSE, INLINE BREAKER, WALL CONNECTION AND FLANGE AND SYMMONS 36" T600B ADA GRAB AND SLIDE BAR FOR HAND SHOWER MOUNTING.
SS-1	SERVICE SINK	1/2	1/2	3	2	SQUARE FLOOR MOUNTED	JANITOR SINK (FLOOR MOUNTED, CORNER): FIAT TSB3002, STOCKTON TERRAZZO, 36 X 36-INCH, PRECAST TERRAZZO, 3" DRAIN WITH STAINLESS STEEL STRAINER (1453BB), 1239BB REMOVABLE VINYL-COATED BUMP GUARD; CHICAGO 897 FAUCET WITH VACUUM BREAKER, SCREWDRIIVER STOPS IN SHANKS, 5 FOOT RUBBER HOSE AND WALL HOOK, 832AA.
U-1	PUBLIC URINALS	3/4	---	2	2	WALL HUNG, 1/8 GPF	URINAL: AMERICAN STANDARD WASHBROOK FLOWISE VITREOUS CHINA ADA URINAL WITH 3/4" TOP SPUD, MOEN 8316 EXPOSED 0.125 GPF BATTERY POWERED SENSOR FLUSH VALVE; SMITH 0637 URINAL SUPPORT. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
WC-1	FLOOR MOUNTED WATER CLOSET	1	---	4	2	FLOOR MOUNTED, REAR OUTLET, SENSOR, ADA	WATER CLOSET: AMERICAN STANDARD 3690.001 PRIOLO FLOWISE VITREOUS CHINA, FLOOR MOUNTED REAR OUTLET, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA HEIGHT TOILET WITH 5901.110 OPEN-FRONT SEAT WITH EVER CLEAN SURFACE, MOEN 8311 1.28 GPF EXPOSED, BATTERY POWERED, SENSOR ACTIVATED COSET FLUSH VALVE.
WC-2	FLOOR MOUNTED WATER CLOSET	1	---	4	2	FLOOR MOUNTED, SENSOR, ADA	WATER CLOSET: KOHLER K-3493 HIGHLINE FLUSH TANK, 1-1/2" TOP SPUD, ADA HEIGHT TOILET WITH KOHLER K-4650 LUSTRA OPEN SEAT MOEN 8311 1.28 GPF EXPOSED, BATTERY POWERED, SENSOR ACTIVATED COSET FLUSH VALVE.
WO-1	WATER OUTLET	1/2	---	---	---	FLUSH MOUNTED IN WALL, WATER SUPPLY, NO DRAIN	WATER OUTLET CONNECTION: MWB-19 WASHING MACHINE OUTLET BOX DRAIN QUARTER TURN BALL VALVE WITH WATER ARRESTOR, INSTALL ONLY COLD WATER BALL VALVE, INSTALL BOTTOM OF BOX AT 3'-0" AFF NOTCH BACKSPLASH AS NECESSARY (IF ICE MACHINE IS PLACED ON COUNTER TOP), COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS.

ALL BELOW GRADE WASTE PIPING SHALL BE 2" OR LARGER.

DOMESTIC EXPANSION TANK SCHEDULE											
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	LIQUID			PHYSICAL			NPT FITTING	NOTES
				WORKING FLUID	MIN. TANK ACCEPTANCE (GAL)	TANK SIZE (GAL)	RELIEF VALVE (PSI)	DIAMETER (IN)	HEIGHT (IN)		
DET-1	AMTROL ST-12C-00	LEVEL 1	DIAPHRAGM	WATER	2.5/8.0	6.4	150	1.5	1.5	3/4	1

1. TANK LINER SUITABLE FOR POTABLE WATER

DOMESTIC PUMP SCHEDULE											
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	LIQUID			ELECTRICAL			NOTES	
				FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	CONSTRUCTION	MOTOR SIZE (HP)	VOLTRPHAZ		
MD-1	BAG 600CIRC 20-18	LEVEL 1	DOMESTIC	1	WATER	5	LEAD FREE	T0	115V/60	1	

1. PROVIDE STAINLESS STEEL CONSTRUCTION


ELECTRIC WATER HEATER SCHEDULE												
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	RECOVERY			ELECTRICAL			PHYSICAL		NOTES
				RATE @ 90 F (GAL)	DELTA T (°F)	(KW)	FLC (AMPS)	VPH	TANK SIZE (GAL)	HEIGHT (IN)		
WH-1	AO SMITH DRE-60A-12	LEVEL 1	TANK	50	12.5	34	208/3	80	65.508	1		

1. ASME RATED TANK.

MEDICAL GAS OUTLETS SCHEDULE											
SYMBOL	ROOM TYPE	# OF OUTLETS			PIPE DROP SIZE TO OUTLET(S)			REMARKS			
		O2	MA	VAC	O2	MA	VAC				
MD-1	CLINICAL ENGINEERING	1	1	1	1/2	1/2	1/2	1.2			
MD-2	CLINICAL ENGINEERING	1	1	---	1/2	1/2	---	1.3			
MD-3	MOCK EXAM ROOM	1	1	1	NA	NA	NA	1.24			

UNLESS NOTED OTHERWISE, ALL OUTLETS ARE CHEMTRON-STYLE QUICK-CONNECTS.
REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT QUANTITIES, LOCATION, AND PLACEMENT OF OUTLETS.
1. PIPE DROP SIZES ARE FOR ONE SET OF OUTLETS
2. WALL MOUNTED OUTLETS
3. CEILING MOUNTED OUTLETS
4. OUTLETS ARE ONLY FOR DEMONSTRATION NO PIPING IS REQUIRED AT THESE OUTLETS, TYPICAL FOR ALL MOCK EXAM ROOMS.

BIM 360/721-099 IFC Lake Park Level 1 - North Remodel/21952 InterMountain Lake Park North Level 1 Mech v21.rvt 4/15/2022 4:53:39 PM

 <p>233 SOUTH PLEASANT GROVE BLVD SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 789-3000 cm@cmaduh.com</p>	DATE: 12 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWJ
	PROJECT: INTERMOUNTAIN LAKE PARK LEVEL 1 - NORTH REMODEL 4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120
SHEET DESCRIPTION: PLUMBING SCHEDULE	SHEET: PP601

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MARK	REVISION	DATE

KEYED NOTES

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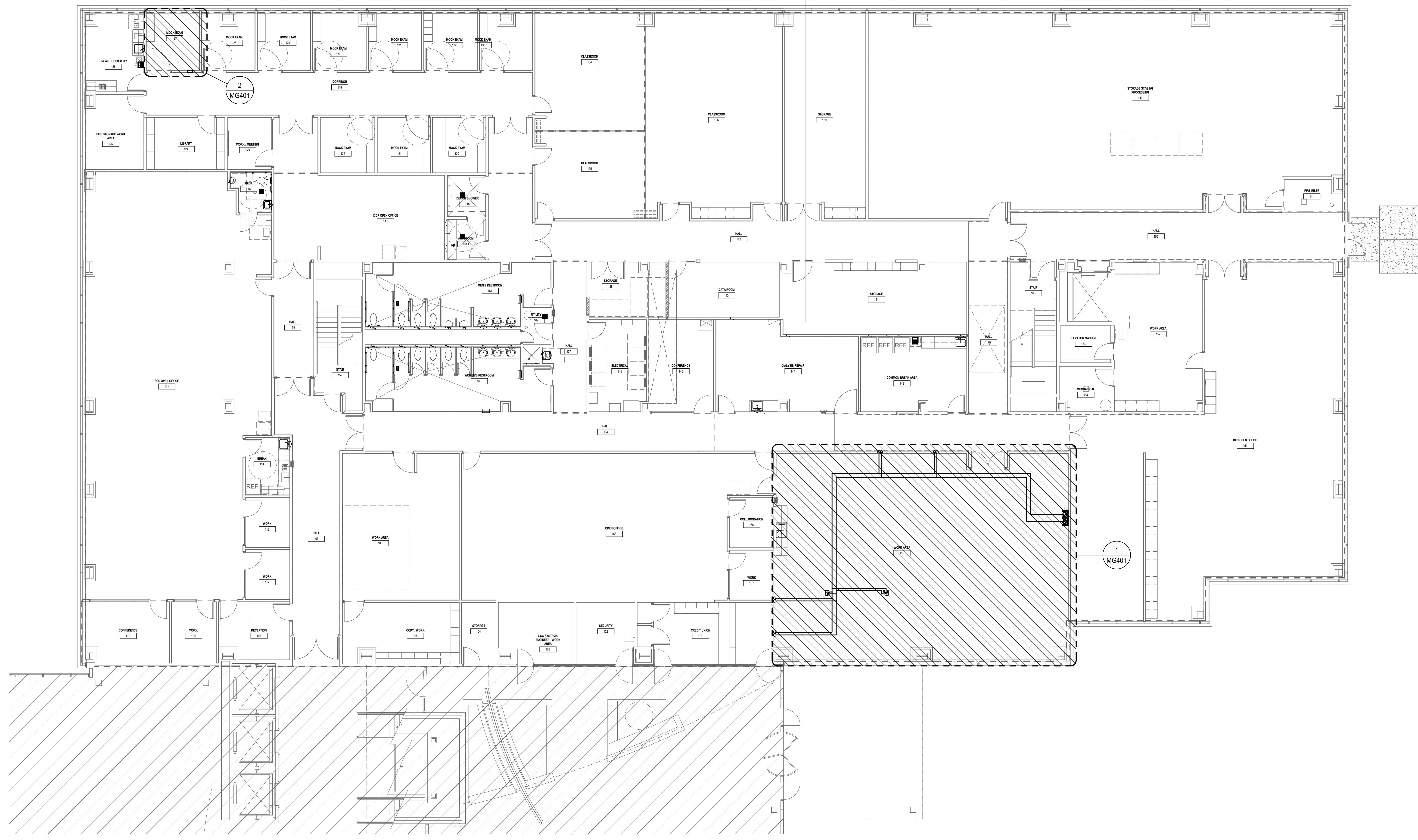
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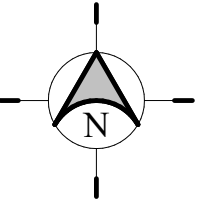
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1 MED GAS PLAN LEVEL 1
MG101 | SCALE: 1/8" = 1'-0"



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 CURTIS MINER PLEASANT GROVE ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD SUITE #105 PHOENIX, UTAH 84062 PHONE: (801) 759-3000 cma@cmnaugh.com	DATE: 12 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT
	PROJECT: INTERMOUNTAIN LAKE PARK LEVEL 1 - NORTH REMODEL 4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120
SHEET DESCRIPTION: MED GAS PLAN LEVEL 01	SHEET: MG101

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KEYED NOTES

1. PROVIDE AMICO R10 GENERAL PURPOSE REGULATOR APPLICATION FOR MED GASSES.
2. PROVIDE STORAGE RACKS FOR MED GAS CYLINDERS WITH HIGH AND LOW CHAIN RESTRAINTS. USA SAFETY MODEL NUMBER BR1X1FS.
3. PROVIDE CEILING MED GAS OUTLETS WITH HOSE 10' ASSEMBLIES HOSE RETRACTOR (AMICO S-HOSE-RET-HD). COORDINATE EXACT LENGTHS AND LOCATION WITH OWNER AND ARCHITECT.
4. MED GAS OUTLETS ARE JUST FOR DEMONSTRATION AND SHALL NOT BE PIPED. PLACE OUTLETS AT THE HEAD OF THE BED FOR EACH MOCK EXAM ROOM. SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.

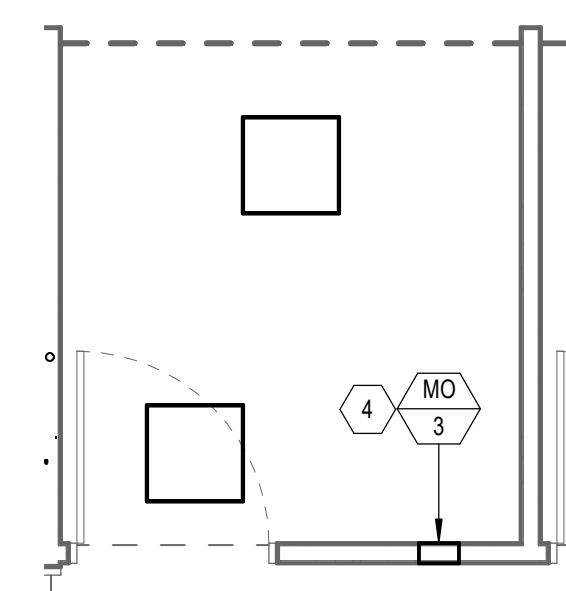
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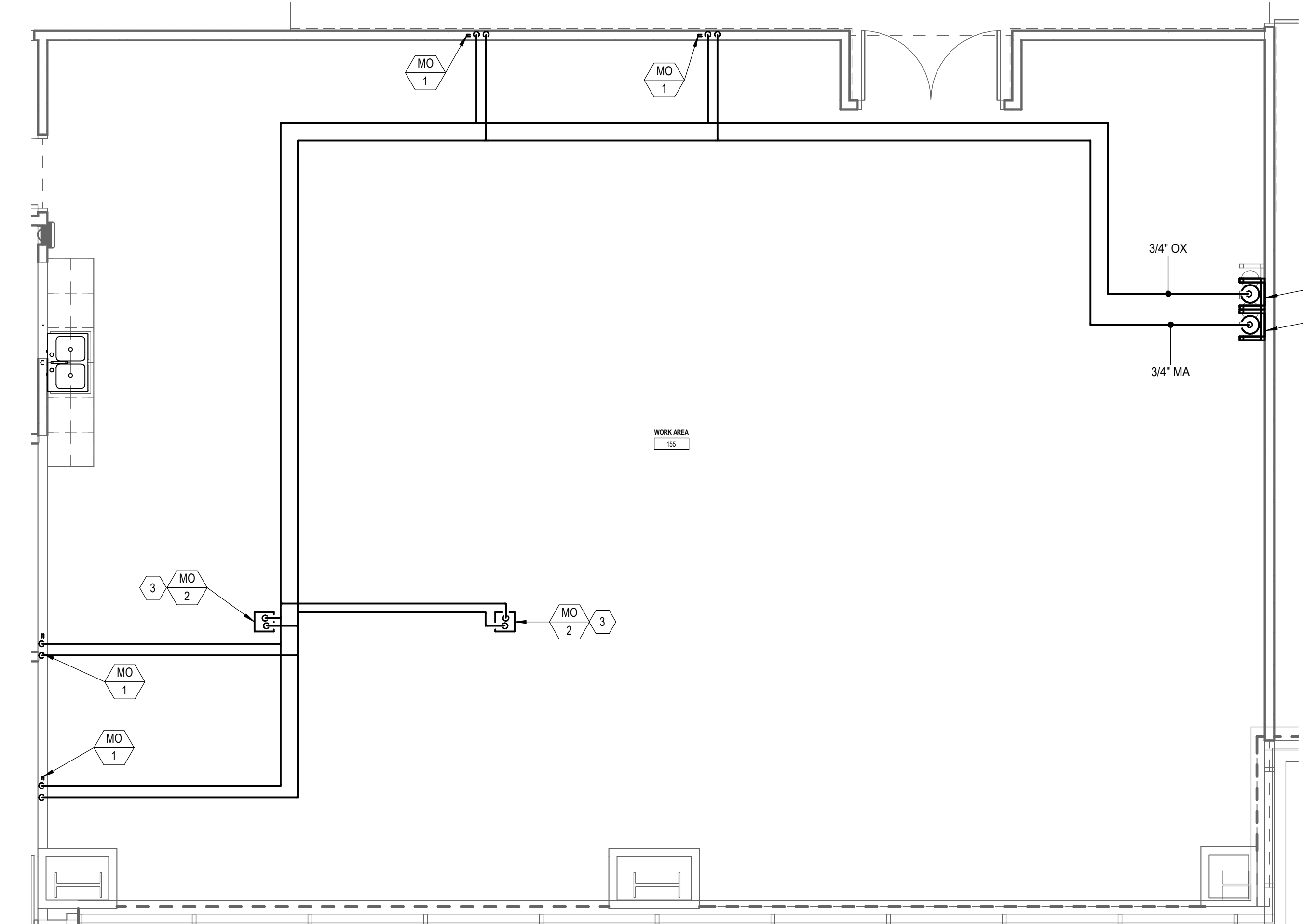
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2 ENLARGED MED GAS PLAN - TYPICAL MOCK EXAM ROOM
MG401 | SCALE: 1/4" = 1'-0"



1 ENLARGED MED GAS PLAN - WORK AREA 155
MG401 | SCALE: 1/4" = 1'-0"

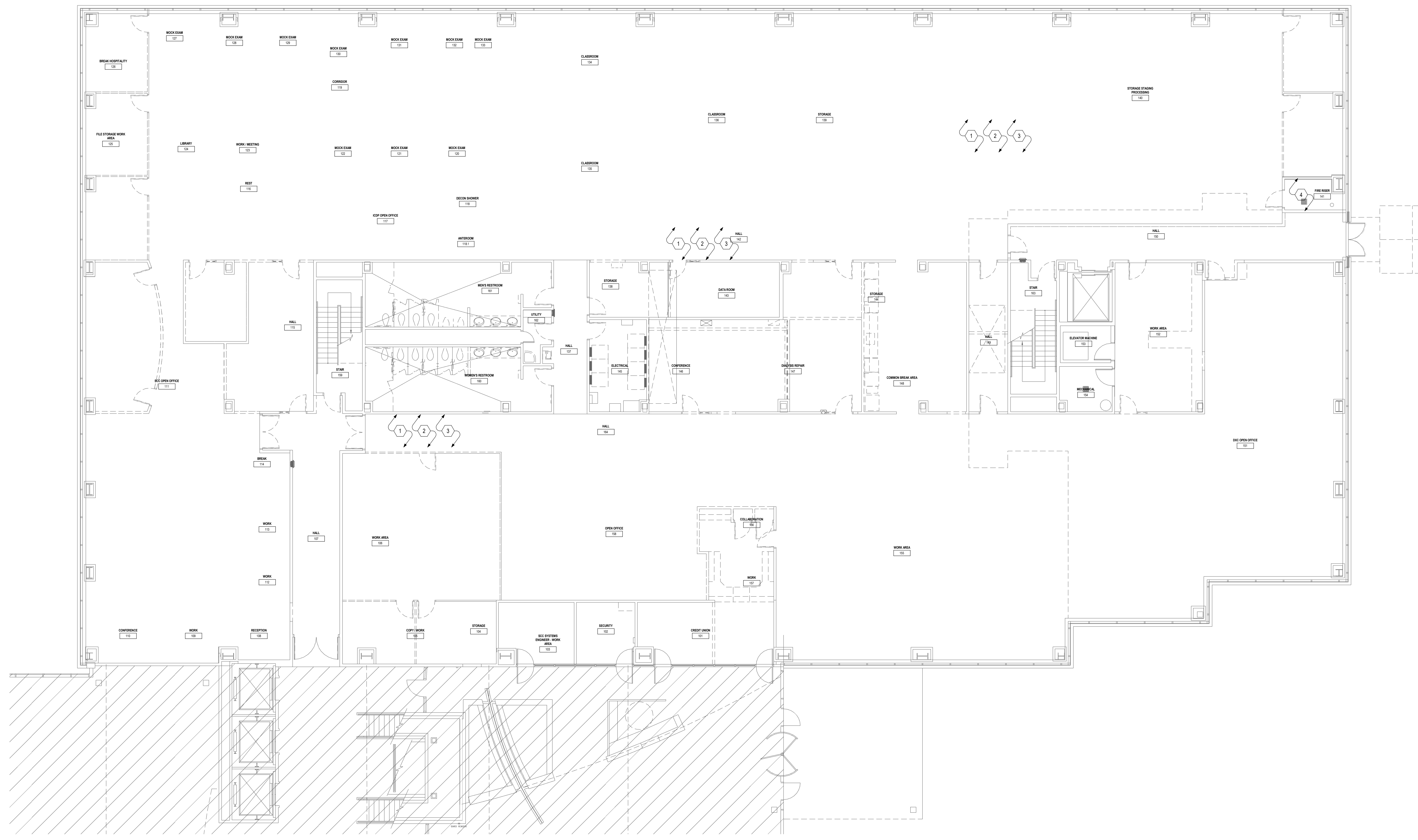
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<p>233 SOUTH PLEASANT GROVE BLVD SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 789-3000 cma@cmautah.com</p>	DATE: 12 APRIL 2022 PROJECT #: 21-099 PROJ MAN: JSJ CHECKED BY: GWI
	<p>PROJECT: INTERMOUNTAIN LAKE PARK LEVEL 1 - NORTH REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>
SHEET DESCRIPTION: MED GAS ENLARGED PLANS	SHEET: MG401

MARK	REVISION	DATE

KEYED NOTES

1. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN, CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS. MODIFY SPRINKLER PIPING AS REQUIRED. TYPICAL REFER TO THE ARCHITECTURAL SHEETS FOR COMPLETE SCOPE OF THE PROJECT.
2. ALL SPRINKLERS IN THE REMODELED AREA ARE TO BE REPLACED WITH QUICK RESPONSE TYPE TO MATCH THE RATING OF SPACE. REPLACEMENT OF SPRINKLERS SHALL EXTEND TO ALL WALLS OR SOFFIT BREAKS.
3. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND/OR REPLACING EXISTING SPRINKLER PIPING THAT INTERFERES WITH THE INSTALLATION OF OTHER DISCIPLINES REGARDLESS OF WHO INSTALLED IT OR WHEN IT WAS INSTALLED.
4. DEMOLISH EXISTING FIRE RISER BACK FLOW PREVENTION TO MEET CURRENT CODE REQUIREMENTS.



1 FIRE PROTECTION PLAN DEMO LEVEL 1
 FPD101 | SCALE: 1/8" = 1'-0"

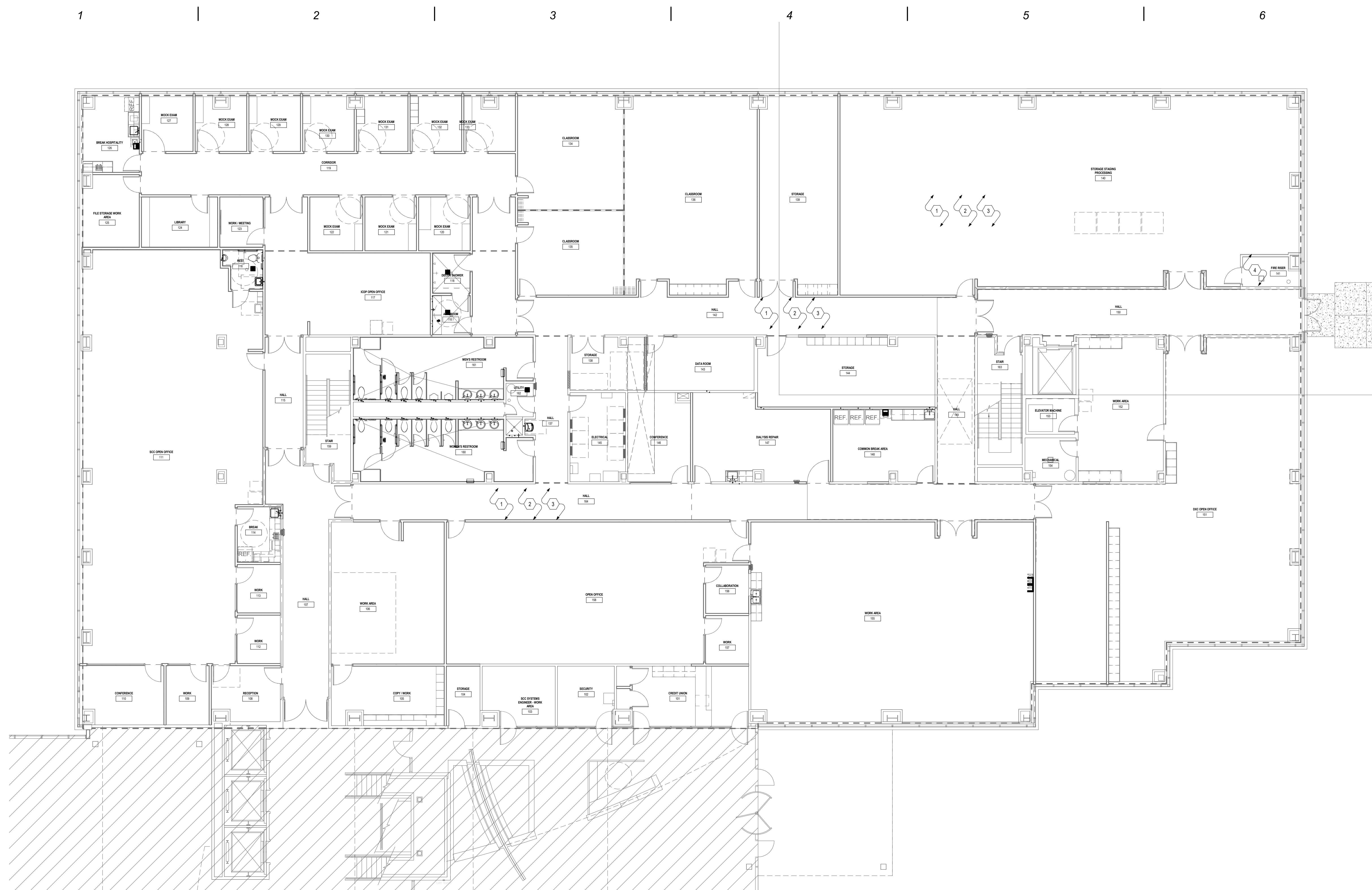
BIM 360://21-099 IFC Lake Park Level 1 - North Remodel/21592 InterMountain Lake Park North Level 1 Mech v21.rvt
 4/15/2022 4:53:30 PM

<p>233 SOUTH PLEASANT GROVE BLVD SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 789-3000 cma@cmautah.com</p>	DATE: 12 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT	
	<p>PROJECT: INTERMOUNTAIN LAKE PARK LEVEL 1 - NORTH REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>	
SHEET DESCRIPTION: FIRE PROTECTION DEMOLITION PLAN LEVEL 1		SHEET: FPD101

MARK	REVISION	DATE

KEYED NOTES

1. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN, CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS, MODIFY SPRINKLER PIPING AS REQUIRED, TYPICAL FOR ENTIRE SCOPE OF THE PROJECT. REFER TO THE ARCHITECTURAL SHEETS FOR COMPLETE SCOPE OF THE PROJECT.
2. ALL SPRINKLERS IN THE REMODELED SCOPE OF WORK ARE TO BE REPLACED WITH QUICK RESPONSE TYPE TO MATCH THE RATINGS OF SPACE. REPLACEMENT OF SPRINKLERS SHALL EXTEND TO ALL WALLS OR SOFFIT BREAKS. ALL HEADS TO BE FLAT PLATE CONCEALED.
3. FIRE SPRINKLERS SHALL BE INSTALLED TO MEET NFPA 13-2016 REQUIREMENTS, TYPICAL FOR ENTIRE SCOPE OF THE PROJECT.
4. PROVIDE NEW DOUBLE CHECK VALVE ASSEMBLY ON EXISTING FIRE RISER.



1 FIRE PROTECTION PLAN LEVEL 1
 FP101 | SCALE: 1/8" = 1'-0"

BIM 360://21-099 IFC Lake Park Level 1 - North Remodel/21092 InterMountain Lake Park North Level 1 Mech v21.rvt
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 CURTIS MINER PLEASANT GROVE ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD SUITE #105 UTAH 84062 PHONE: (801) 759-3000 cma@cmah.com	DATE: 12 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT
	PROJECT: INTERMOUNTAIN LAKE PARK LEVEL 1 - NORTH REMODEL 4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120
SHEET DESCRIPTION: FIRE PROTECTION PLAN LEVEL 1	SHEET: FP101

SYMBOLS LEGEND		SYMBOLS LEGEND		SYMBOLS LEGEND		ABBREVIATIONS		ELECTRICAL SHEET INDEX	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	NOTE: ALL ABBREVIATIONS MAY NOT BE USED.		EE001	SHEET INDEX, SYMBOLS, & GENERAL NOTES
REFERENCE AND LINE SYMBOLS		ELECTRICAL POWER AND DISTRIBUTION		LIGHTING				EE002	TELECOM SCHEDULES AND NOTES
	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.		DISCONNECT, FUSED (ONE-LINE DIAGRAM).		FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.		KILOVOLT	EE004	AV ROUGH-IN SCHEDULE AND NOTES
	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.		DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).		FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.		KILOVOLT AMPERE	EE701	TYPICAL MOUNTING HEIGHT DETAILS
	KEYNOTE INDICATOR.		CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).		EMERGENCY.		KILOWATT	ED101	DEMOLITION POWER PLAN - LEVEL 1
	REVISION INDICATOR.		CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		KILOWATT HOUR	EP101	POWER PLAN - LEVEL 1
	EQUIPMENT INDICATOR.		MOTOR.		EMERGENCY.		LIGHT EMITTING DIODE	EP601	SCHEDULES
	MECHANICAL EQUIPMENT INDICATOR: "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.		TRANSFORMER (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		LIQUID TIGHT FLEXIBLE METAL CONDUIT	EL151	LIGHTING PLAN - LEVEL 1
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING		TRANSFORMER (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		LOW PRESSURE SODIUM	EL601	INTERIOR LIGHTING FIXTURE SCHEDULE
	BREAK, ROUND		TRANSFORMER (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		LOCKED ROTOR AMPS	ET101	TELECOM PLAN - LEVEL 1
WIRING METHODS			DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		EMERGENCY.		LOW VOLTAGE	ET502	TELECOM DETAILS
	WIRING.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		MASTER ANTENNA TELEVISION SYSTEM	ET601	TELECOM RACKS
	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES	EJ101	AV ROUGH-IN PLAN - LEVEL 1
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES	EJ601	AV ROUGH-IN PLAN - LEVEL 1
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES	TA001	AV SYSTEMS SCHEDULES AND NOTES
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES	TA501	AV SYSTEMS CONNECTION PANEL DETAILS
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES	TA601	AUDIO VISUAL SYSTEMS SCHEDULES
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK TO ONE-LINE DIAGRAM.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	ADA ACCESS PUSH PLATE		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	JUNCTION BOX.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	JUNCTION BOX, CEILING.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	ELECTRIC VEHICLE CHARGING STATION.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.		DISTRIBUTION PANELBOARD, MOTOR CONTROL CENTER, PLUG-IN BUSWAY, MEDIUM VOLTAGE SWITCHBOARD (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
WIRING DEVICES			EARTH GROUND (ONE-LINE DIAGRAM).		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX. NEMA 5-20R.		DISCONNECT SWITCH, FUSED.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX, ABOVE COUNTER. NEMA 5-20R.		DISCONNECT SWITCH, UNFUSED.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX, CEILING. NEMA 5-20R.		PUSHBUTTON.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN. CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.		PUSHBUTTONS, MOTOR CONTROL.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF. NEMA 5-20R.		PANELBOARD CABINET, FLUSH MOUNTED.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX, SWITCHED. NEMA 5-20R.		PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL. "WEATHERPROOF IN USE". NEMA 5-20R.		PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER. NEMA 5-20R.		DISTRIBUTION PANEL OR SWITCHBOARD.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF. NEMA 5-20R.		LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, QUADRAPLEX. NEMA 5-20R.		SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER. NEMA 5-20R.		TRANSFORMER (SEE ONE-LINE FOR SIZE)		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.		CCTV		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	FLUSH FLOOR BOX. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.		CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	FLUSH FIRE RATED POKE THRU. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.		SECURITY		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	SWITCH, DIMMER.		INTRUSION DETECTION HEADEND EQUIPMENT.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	SWITCH, SINGLE POLE ("X" INDICATES FIXTURES CONTROLLED).		CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	SWITCH, DOUBLE POLE ("X" INDICATES FIXTURES CONTROLLED).		CARD READER.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	SWITCH, THREE-WAY ("X" INDICATES FIXTURES CONTROLLED).		KEYPAD/CARD READER COMBINATION.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	SWITCH, FOUR-WAY ("X" INDICATES FIXTURES CONTROLLED).		EXIT REQUEST.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	SWITCH, TIMER OPERATED.		REMOTE DOOR RELEASE BUTTON.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	SWITCH, WEATHERPROOF.		BELL.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, DUPLEX, TAMPER RESISTANT. NEMA 5-20R.		TV OUTLET.		NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		
	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET				NIGHT LIGHT: DO NOT SWITCH.		AMERICANS WITH DISABILITIES		

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GENERAL ELECTRICAL NOTES

- CLARIFICATION METHODS: AT THE TIME OF BIDDING BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC. SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
- OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
 - THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
 - THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
 - THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
- EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
- SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
- REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
- ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON-SITE FIELD INSPECTION OF THE AHI.



DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC....

 233 SOUTH PLEASANT GROVE BLVD. PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmatah.com	DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT
	PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL 4846 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120
SHEET DESCRIPTION: SHEET INDEX, SYMBOLS, & GENERAL NOTES	SHEET: EE001

CABLE/OUTLET COLOR SCHEDULE	
COLOR	TYPE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
GREEN	VENDOR NETWORK

COPPER PATCH CORD SCHEDULE (CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)			
LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	BLUE	20% OF TOTAL PORTS IN TDRS	
7'	BLUE	60% OF TOTAL PORTS IN TDRS	
10'	BLUE	20% OF TOTAL PORTS IN TDRS	

COPPER PATCH CORD SCHEDULE (CATEGORY 5E CABLES W/RJ-45 CONNECTORS)			
LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	BLUE	10	
7'	BLUE	10	
10'	BLUE	10	

WIRELESS PATCH CORD PATCH CORD SCHEDULE (CATEGORY 6A F/UTP W RJ/45 CONNECTORS)			
LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
7'	YELLOW	100% OF TOTAL PORTS IN TDRS	

EQUIPMENT/CABLE LIST		
THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE. FOR A COMPLETE INSTALLATION, COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.		
SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, BLUE, DATA	SIEMON 9A6R4A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, YELLOW, WIRELESS	SIEMON 9A6R4A5-05-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, BLUE, SECURITY	SIEMON 9A6R4A5-05-R1A
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION (A=ABOVE COUNTER MOUNTING)	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, FURNITURE FACEPLATE, BLACK, 4 POSITION	SIEMON MX-UJA-01
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK MODULE, BLACK	SIEMON MX-BL-01
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, FURNITURE FACEPLATE, BLACK, 4 POSITION	SIEMON MX-UJA-01
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION (C=CEILING MOUNTED)	SIEMON MX-SM22-02
	CATEGORY 6A JACK - WIRELESS, YELLOW	SIEMON Z6A-S05
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SMZ1-02
	CATEGORY 6A JACK - SECURITY, BLUE	SIEMON Z6A-S06
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION (C=CEILING MOUNTED)	SIEMON MX-SM22-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
	VERTICAL WIRE MANAGERS, 10" WIDTH, DOUBLE SIDED, BLACK, 9'	CHATSWORTH 30096-708

NOTE: ALL PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

MARK	REVISION	DATE

GENERAL PROJECT NOTES

- UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED. INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
- PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
- LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
- THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING, WHICH IS REQUIRED AS PART OF THIS CONTRACT PRIOR TO FABRICATION. SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES, BUT IS NOT LIMITED TO, ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
- IF OUTLET IS TERMINATED IN THE CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
- GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- FOR EVERY CABLE PULL SPECIFIED, COIL 15'-0" OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15'-0" ABOVE THE CEILING OR BELOW THE FLOOR WHERE APPLICABLE.
- PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
- RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT THE RACK ALLOCATION AS REQUIRED, PLEASE CALL BOE SAUSED00 AT 801-707-3805.
- COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.

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	233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT
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PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL 4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120	
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SHEET DESCRIPTION: TELECOM SCHEDULES AND NOTES	SHEET: EE002
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AUDIO-VIDEO ROUGH-IN SYSTEMS SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING	SPECIAL INSTRUCTIONS
CP1 CP2	JUNCTION BOX, 4-11/16" BOX W/ 2-GANG MUD RING, MINIMUM 3" DEEP	FLUSH IN THE WALL AT ELECTRICAL OUTLET HEIGHT, EXCEPT WHERE NOTED ON THE DRAWINGS	
FB6 LECT	FLOOR BOX WITH LECTERN	FLOOR	REFER TO 'EP' SHEETS FOR TYPE AND LOCATION LECTERN FURNISHED AND INSTALLED BY AV INSTALLER
IR	INFRARED SENSOR, JUNCTION BOX, 4-11/16" SQUARE BOX W/ 1-GANG MUD RING	FLUSH IN HEADER PER PLAN SHEET KEYNOTE	
M	MICROPHONE	FLUSH IN FINISHED CEILING	FURNISHED AND INSTALLED BY AV INSTALLER
S	SPEAKER LOCATION	FLUSH IN FINISHED CEILING	SPEAKER FURNISHED AND INSTALLED BY AV INSTALLER, TRIM RING INSTALLED BY ELECTRICAL
S ₁ S ₂	MASKING SPEAKER	ABOVE CEILING	FURNISHED AND INSTALLED BY AV INSTALLER
	TV JACK 1-GANG JUNCTION BOX WITH PLATE MOUNTED F-CONNECTOR	MOUNTED INSIDE MONITOR OR EQUIPMENT RACK JUNCTION BOX	
	CAMERA LOCATION JUNCTION BOX, 4-11/16" SQUARE BOX W/ 1-GANG MUD RING	FLUSH IN FINISHED CEILING WITHIN 12" OF PARTITION HEADER	
MX1	FLAT PANEL MONITOR JUNCTION BOX, CHIEF PAC 528FCW	FLUSH IN THE WALL AT APPROXIMATELY 40" AFF TO BOTTOM OF BOX, OR AS NOTED ON PLAN SHEETS	COORDINATE WITH STRUCTURAL BACKING, AND COORDINATE EXACT ELEVATION WITH ARCHITECTURAL ELEVATIONS, SEE DETAILS A4/EJ501 AND B5/EJ501
MX2	CEILING MOUNTED MONITOR JUNCTION BOX, 4-11/16" SQUARE BOX W/ 2-GANG MUD RING	FLUSH IN FINISHED CEILING WITHIN 4" OF MONITOR MOUNT	COORDINATE EXACT LOCATION WITH AV INSTALLER, SEE DETAIL B4/EJ501
	EQUIPMENT RACK	CREDENZA MOUNTED	FURNISHED AND INSTALLED BY AV INSTALLER
14B	14.5" SQUARE JUNCTION BOX	FLUSH IN WALL BEHIND EQUIPMENT RACK AT ELECTRICAL OUTLET HEIGHT	
	CONDUIT, 3/4" MINIMUM	CONCEALED BEHIND FINISHED SURFACES, UNLESS OTHERWISE NOTED	REFER TO RISER DIAGRAMS FOR EXACT SIZES & QUANTITIES.

GENERAL SHEET NOTES

- INSTALL ALL CONDUIT IN A CONCEALED FASHION. SURFACE MOUNTED CONDUIT WILL NOT BE ACCEPTED. CONDUITS AND BOXES ABOVE CEILING HEIGHT MAY BE INSTALLED EXPOSED AND PAINTED TO MATCH SURROUNDING EQUIPMENT.
- MAINTAIN MAXIMUM SEPARATION BETWEEN AV SYSTEM CONDUIT AND ALL POWER CONDUIT. MINIMUM SEPARATION REQUIREMENTS IS 24".
- INSTALL NYLON PULL STRINGS IN ALL AV SYSTEM CONDUIT.
- INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, SEISMIC CODES, AND INDUSTRY WIDE ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM STRUCTURE. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
- IF THE BOXES, ENCLOSURES, & CABINETS SPECIFIED ARE NOT PROVIDED FROM THE MANUFACTURER WITH THE REQUIRED KNOCK OUTS FOR THE SPECIFIED CONDUIT, FIELD CUT ALL REQUIRED KNOCK OUTS TO TERMINATE THE QUANTITY AND SIZES OF THE SPECIFIED CONDUITS.
- THE ROUGH-IN LOCATIONS FOR PROJECTORS SHOWN ON THE FLOOR PLAN DRAWINGS ARE APPROXIMATE. COORDINATE WITH AV CONTRACTOR FOR ACTUAL PROJECTION DISTANCES. LOCATE ROUGH-IN FOR PROJECTORS IN COMPLIANCE WITH THE DISPLAY DEVICE SCHEDULE.
- ALL ROUGH-IN SHALL BE IN COMPLIANCE WITH ANSIT/AIEA 569-B WHICH INCLUDES, BUT IS NOT LIMITED TO, ALL CONDUITS HAVING NO MORE THAN TWO 90 DEGREE BENDS.
- ALL CONDUIT FOR AV ROUGH-IN SHALL BE EMT.
- ALL CONNECTION PANELS SHALL BE WITHIN 12" OF POWER AND DATA OUTLETS. NOTIFY ENGINEER IF DISCREPANCY IS FOUND.
- ALL AV CONDUITS SHALL BE INSTALLED USING SHORTEST RUNS POSSIBLE. THERE SHOULD BE NO UNNECESSARY BENDS IN CONDUIT RUNS.
- CONDUITS AND JUNCTION BOXES SHOWN NO RISER DIAGRAMS ARE TYPICAL FOR EACH DEVICE IN ROOM.
- COVER ALL JUNCTION BOXES WITH A BLANK NYLON COVER PLATE.

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

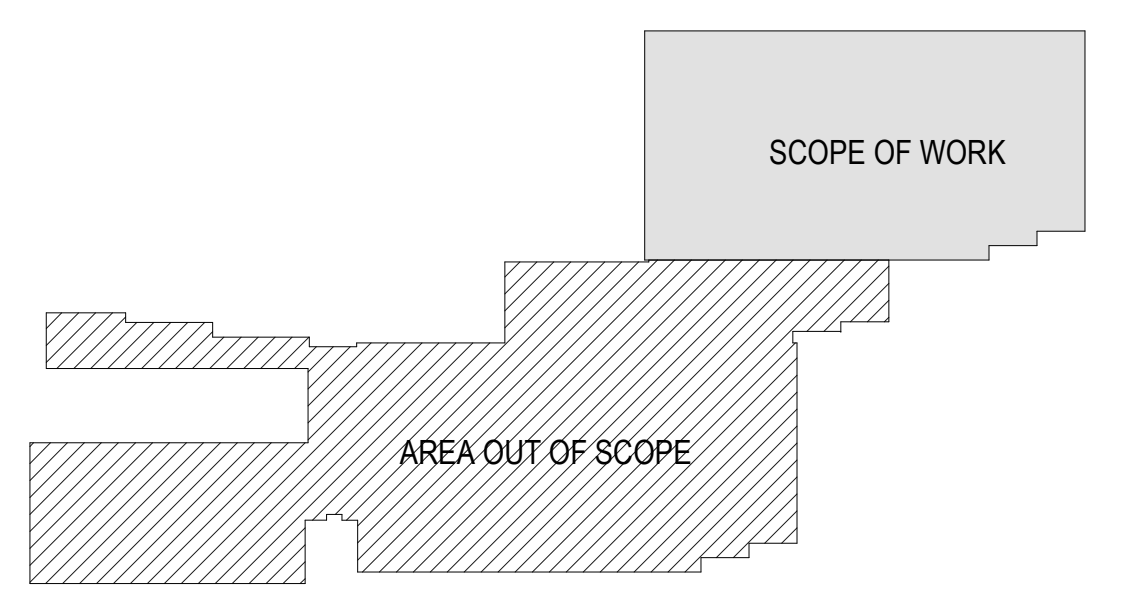
TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC. ...

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

"A"	AMP OR AMPS	"IG"	INSULATED GROUND
"ADJ"	ADJACENT	"IMC"	INTERMEDIATE METAL CND
"AFF"	ABOVE FINISHED FLOOR	"INIS"	INSULATED/ISOLATED
"AL"	ALUMINUM	"KVA"	KILO VOLT AMPERES
"C"	CONDUIT	"KW"	KILOWATTS
"CB","CB"	CIRCUIT BREAKER	"LFMC"	LIQUID TIGHT FLEXIBLE
"CKT"	CIRCUIT		METAL CONDUIT
"CO"	CONVENIENCE OUTLET	"LFNC"	LIQUID TIGHT FLEXIBLE
"C.O.R."	CONTRACTING OFFICER'S REPRESENTATIVE	"MCA"	MINIMUM CIRCUIT AMPS
"CU"	COPPER	"MLO"	MAIN LUGS ONLY
"EA"	EACH	"N.C."	NORMALLY CLOSED
"ELEC"	ELECTRICAL	"N.I.C."	NOT IN CONTRACT
"EM"	EMERGENCY	"N.O."	NORMALLY OPEN
"EMT"	ELECTRICAL METALLIC TUBING	"O.C."	ON CENTER
"ENT"	ELECTRICAL NONMETALLIC TUBING	"OCP"	OVER CURRENT PROTECTION
"EQUIP"	EQUIPMENT	"QTY"	QUANTITY
"EX"	EXISTING	"R"	REMOVE
"FA"	FIRE ALARM	"RMC"	RIGID METAL CONDUIT
"FACP"	FIRE ALARM CONTROL PANEL	"RNC"	RIGID NONMETALLIC CONDUIT
"FLA"	FULL LOAD AMPS	"RR"	REMOVE AND RELOCATE
"FMC"	FLEXIBLE METAL CONDUIT	"TYP"	TYPICAL
"F.O.B."	FREIGHT ON BOARD	"UF"	UNDER FLOOR
"GFI"	GROUND FAULT INTERRUPTER	"UG"	UNDER GROUND
"GR"	GROUND	"W"	WITH
"HCA"	HAND-OFF-AUTO	"WP"	WEATHER PROOF
"HP"	HORSE POWER	"XFMR"	TRANSFORMER

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 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT
	PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL 4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120
SHEET DESCRIPTION: AV ROUGH-IN SCHEDULE AND NOTES	

MARK	REVISION	DATE

GENERAL SHEET NOTES

- DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
 - EQUIPMENT SHOP DRAWINGS.
 - FIELD INSTRUCTIONS.
- LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
- MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
- MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
- SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
- LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
- VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
- LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
- WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.

SHEET KEYNOTES

- LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
- REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
- LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY 5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
- LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
- LOCATE AT BOTTOM OF BEAMS IF $DH < 1$ OR $WH < 4$. OTHERWISE, LOCATE IN BEAM POCKET. FOR $D > 4$ REDUCE SPACING .33 PERPENDICULAR TO BEAMS.

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CMIA ARCHITECTURE
 233 SOUTH PLEASANT GROVE BLVD. SUITE #105
 PLEASANT GROVE, UTAH 84062
 PHONE: (801) 769-3000
 cma@cmiautah.com

DATE: 19 APRIL 2022
 PROJECT #: 21-099
 PROJ. MAN.: JSJ
 CHECKED BY: GWT

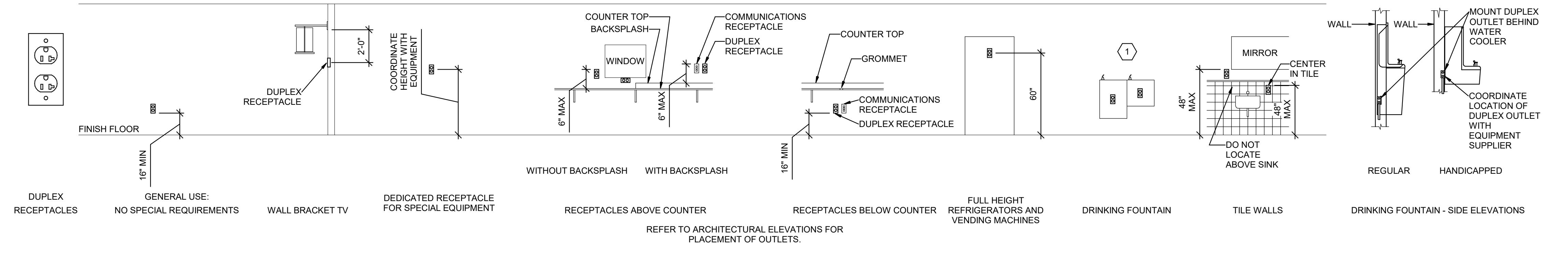
PROJECT:
INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL

4646 LAKE PARK BLVD
 WEST VALLEY CITY, UTAH 84120

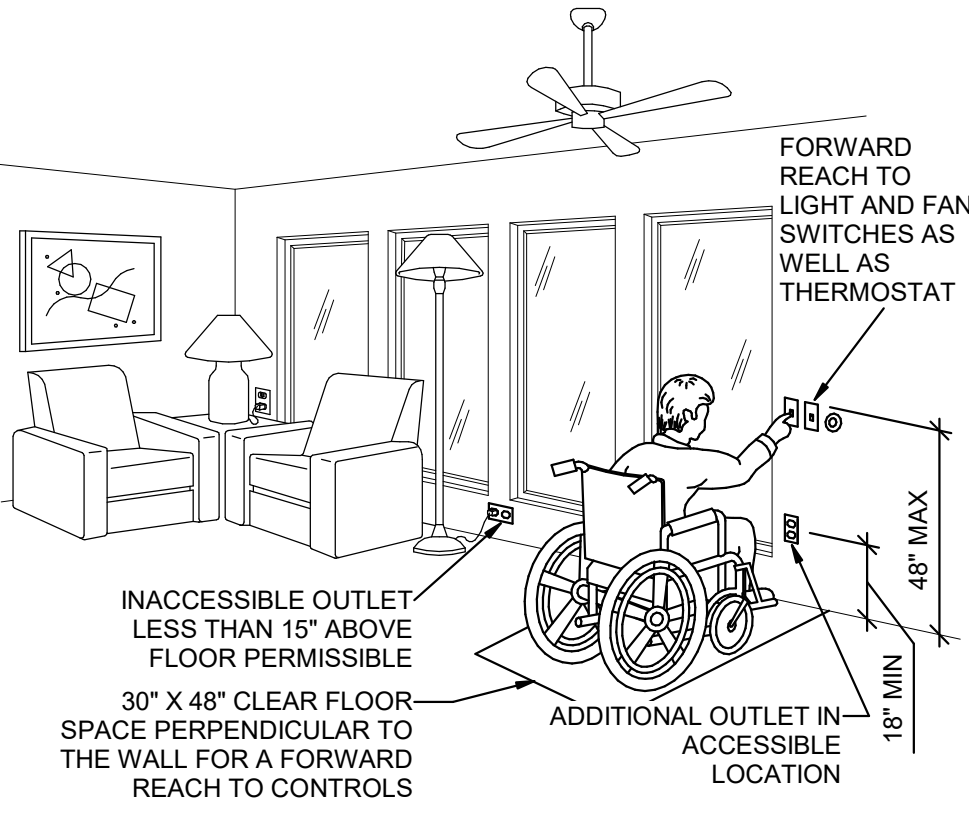
PROFESSIONAL SEAL
 No. 5148728
 DAVID C. HINCKLEY
 3/17/22
 STATE OF UTAH

SHEET DESCRIPTION:
TYPICAL MOUNTING HEIGHT DETAILS

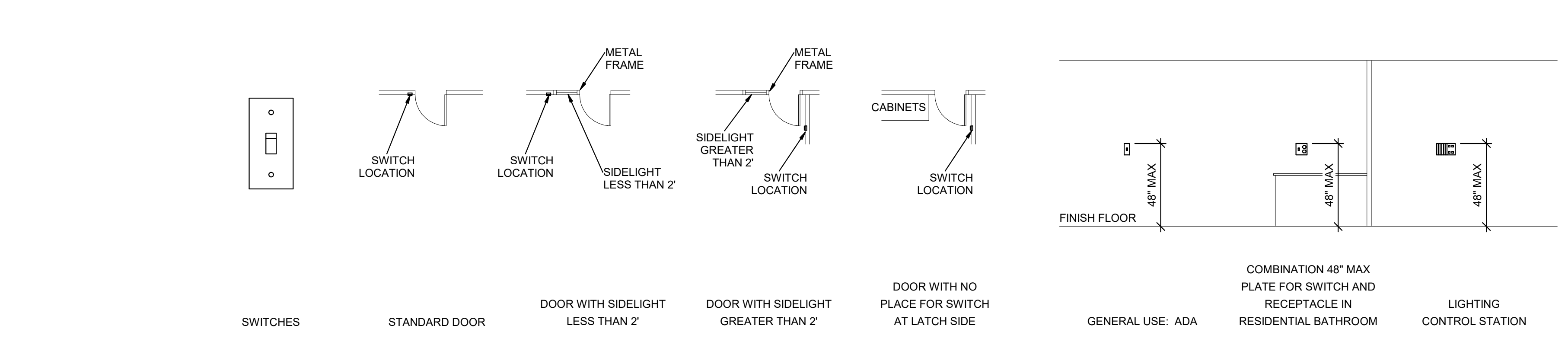
SHEET:
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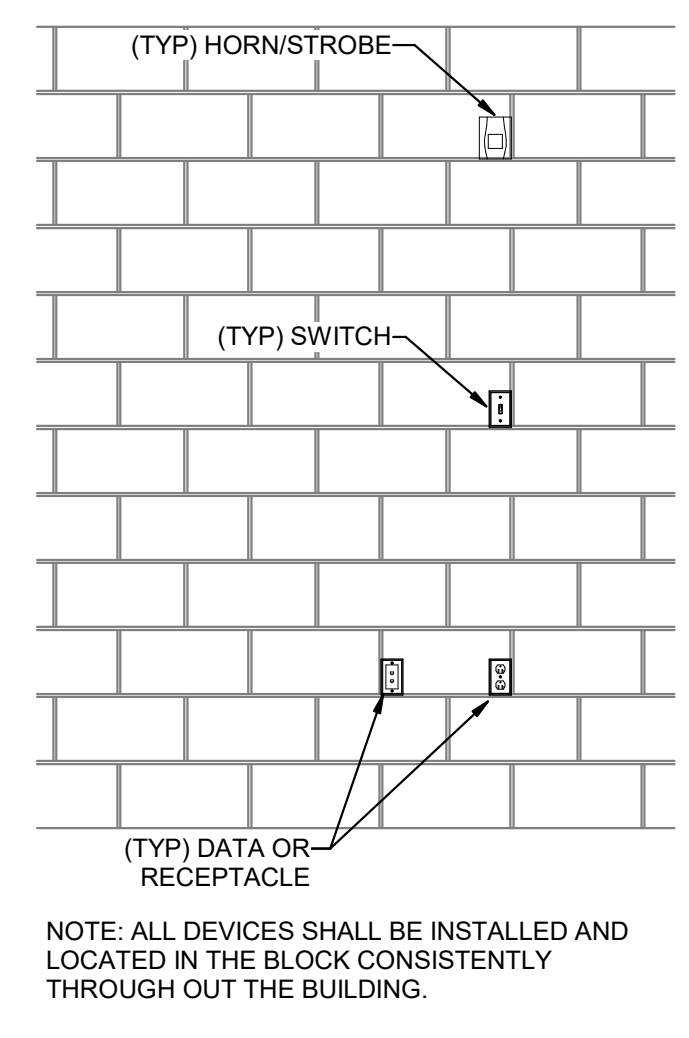
A2 RECEPTACLE MOUNTING DETAILS
 SCALE: NTS



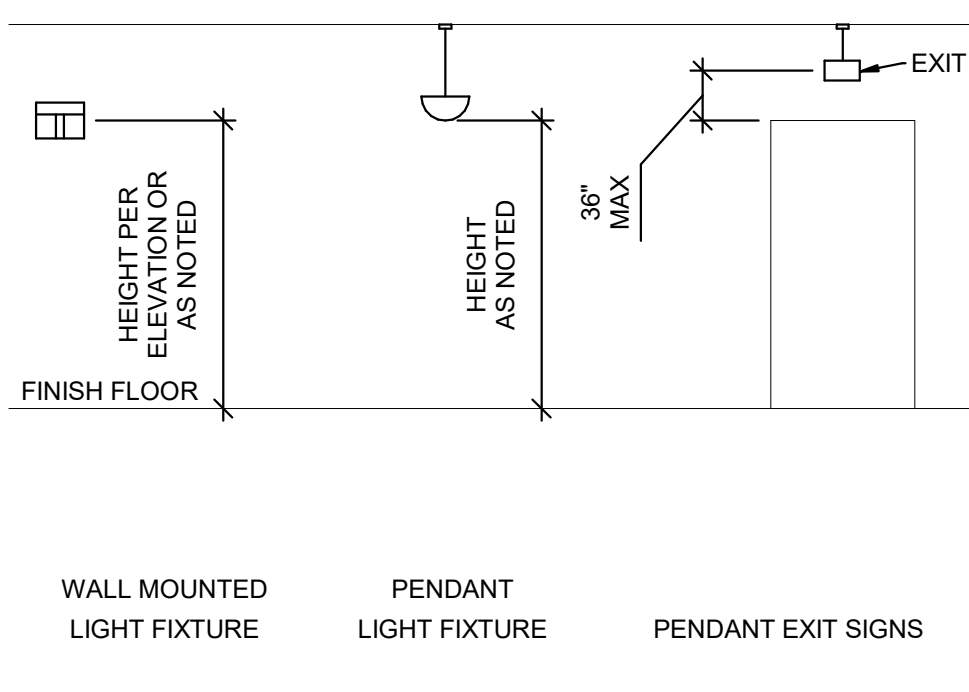
B2 ADA DETAIL
 SCALE: NTS



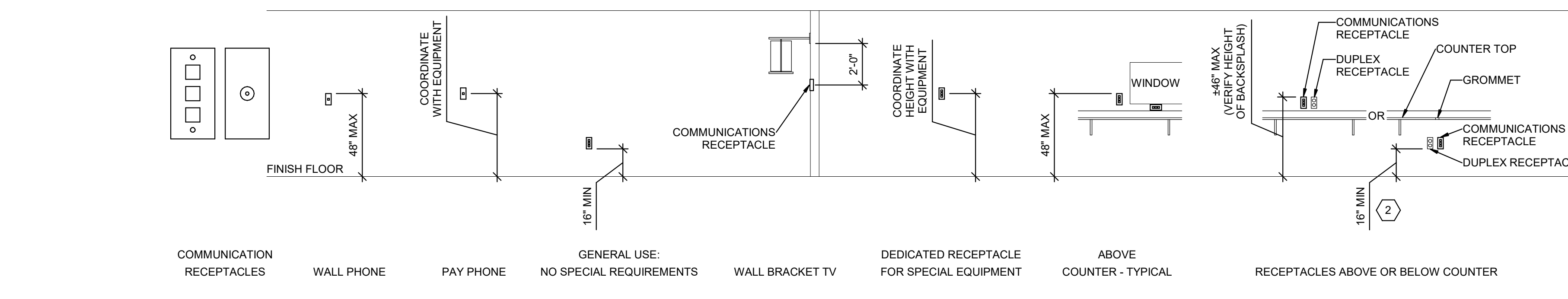
B3 SWITCH MOUNTING DETAILS
 SCALE: NTS



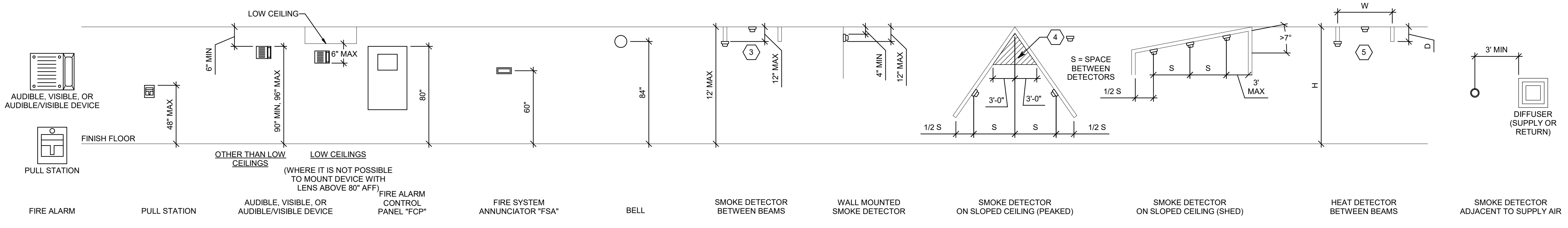
C1 CMU DEVICE MOUNTING ALIGNMENT DETAIL
 SCALE: NTS



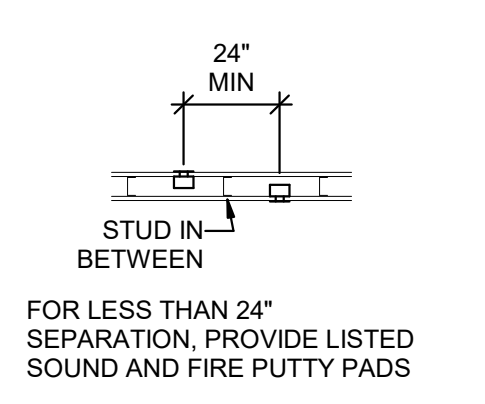
C2 LIGHTING MOUNTING DETAILS
 SCALE: NTS



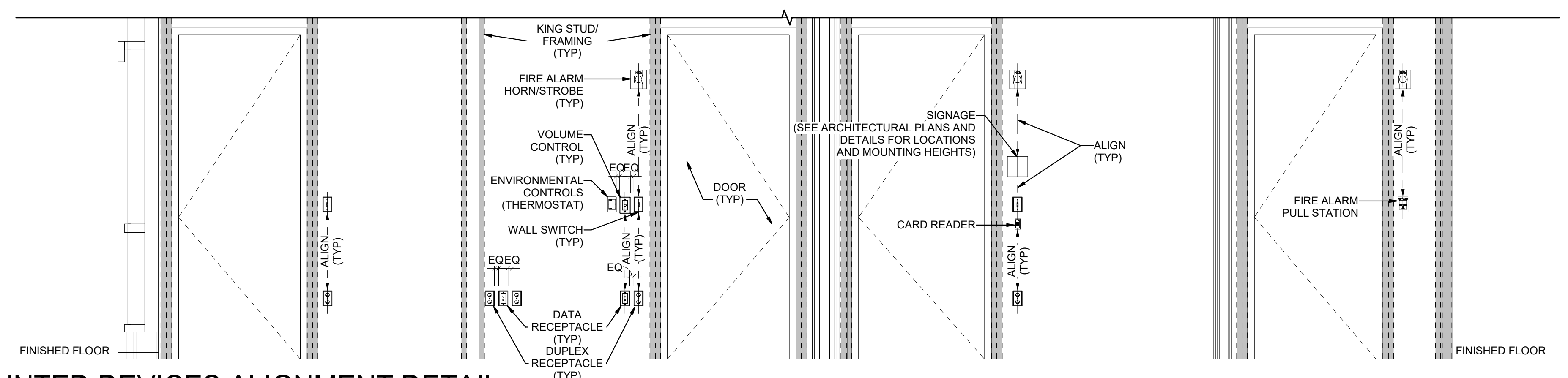
C3 COMMUNICATIONS MOUNTING DETAILS
 SCALE: NTS



D1 FIRE ALARM MOUNTING DETAILS
 SCALE: NTS

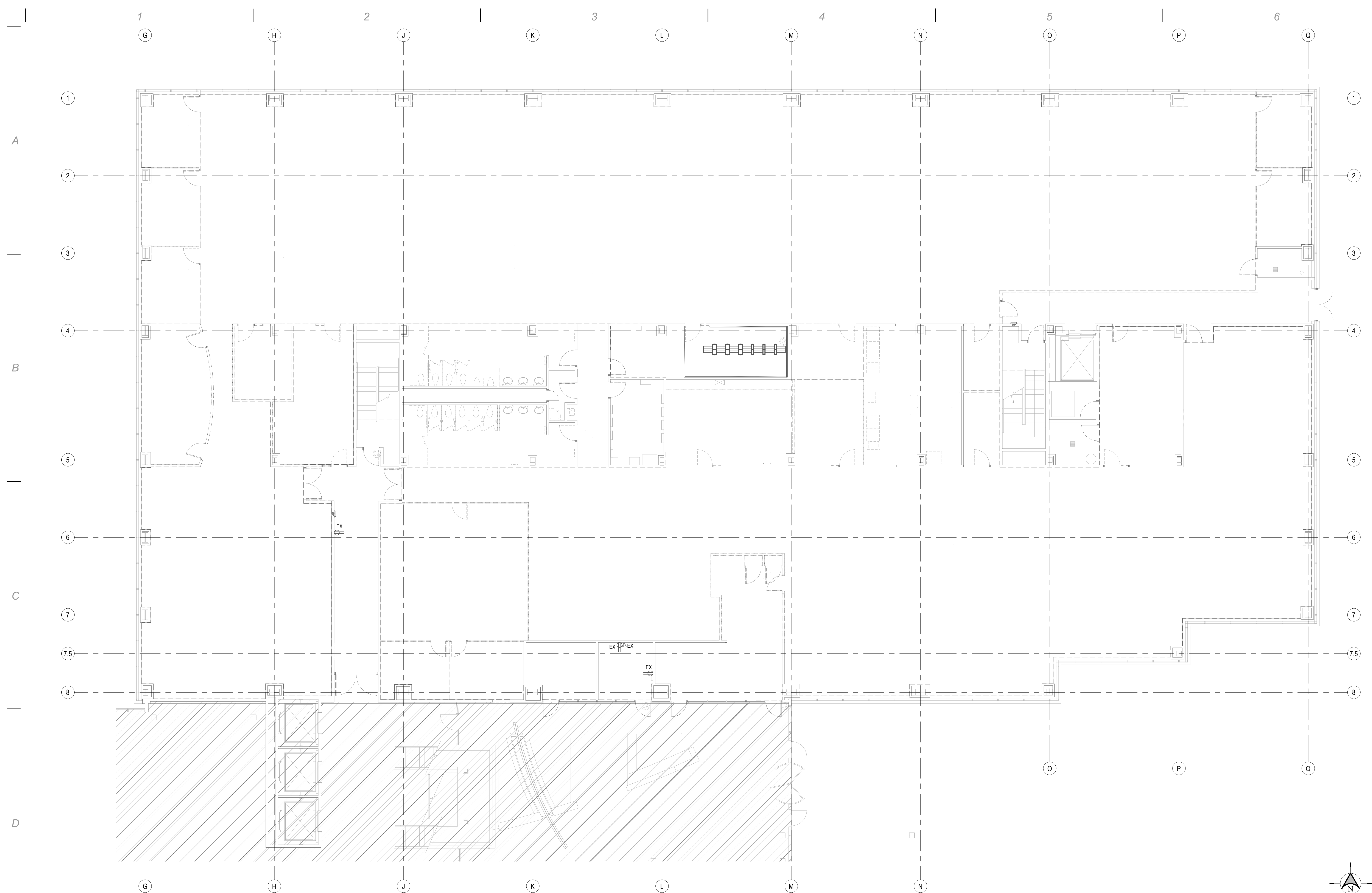


E1 BOX MOUNTING DETAILS
 SCALE: NTS



E2 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL
 SCALE: NTS

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D1 DEMOLITION POWER PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

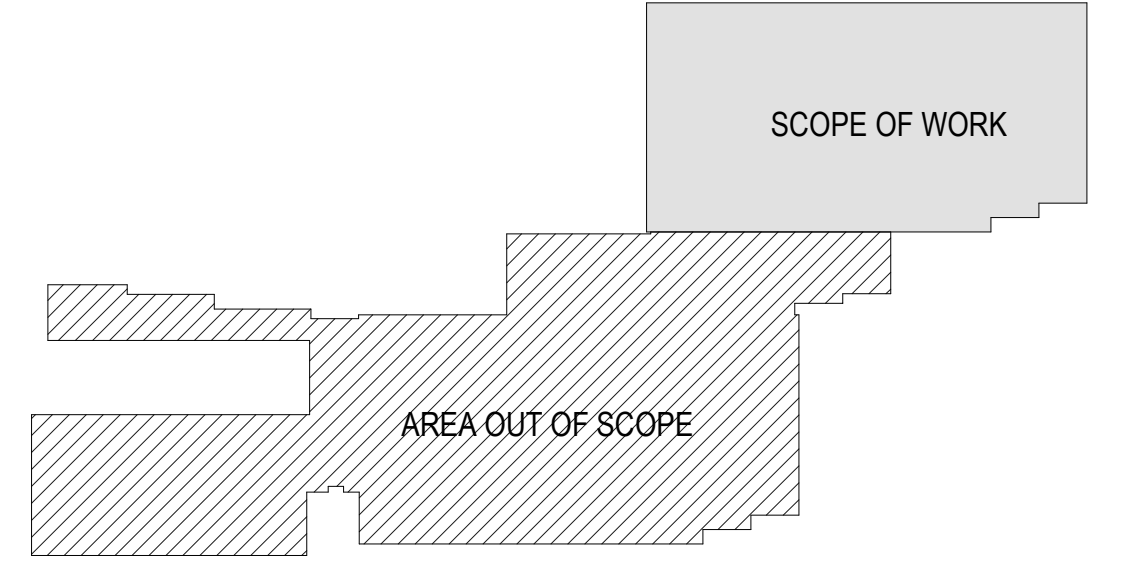
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GENERAL SHEET NOTES

- A. UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
- B. AT OWNER'S OPTION, SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
- C. PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.
- D. PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- E. REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- F. REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED. WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
- G. REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.
- H. DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.
- I. REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.
- J. DEMOLISH ALL WIFI ACCESS POINTS WHETHER SHOWN ON DRAWINGS OR NOT WITHIN SCOPE OF WORK AREA.
- K. REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNECTS, ETC. BACK TO SOURCE.
- L. ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- M. CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.
- N. ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.
- O. DEMOLISH OUTLETS IN EXTERIOR WALLS. PULL BACK WIRING TO LAST ACTIVE JUNCTION BOX.

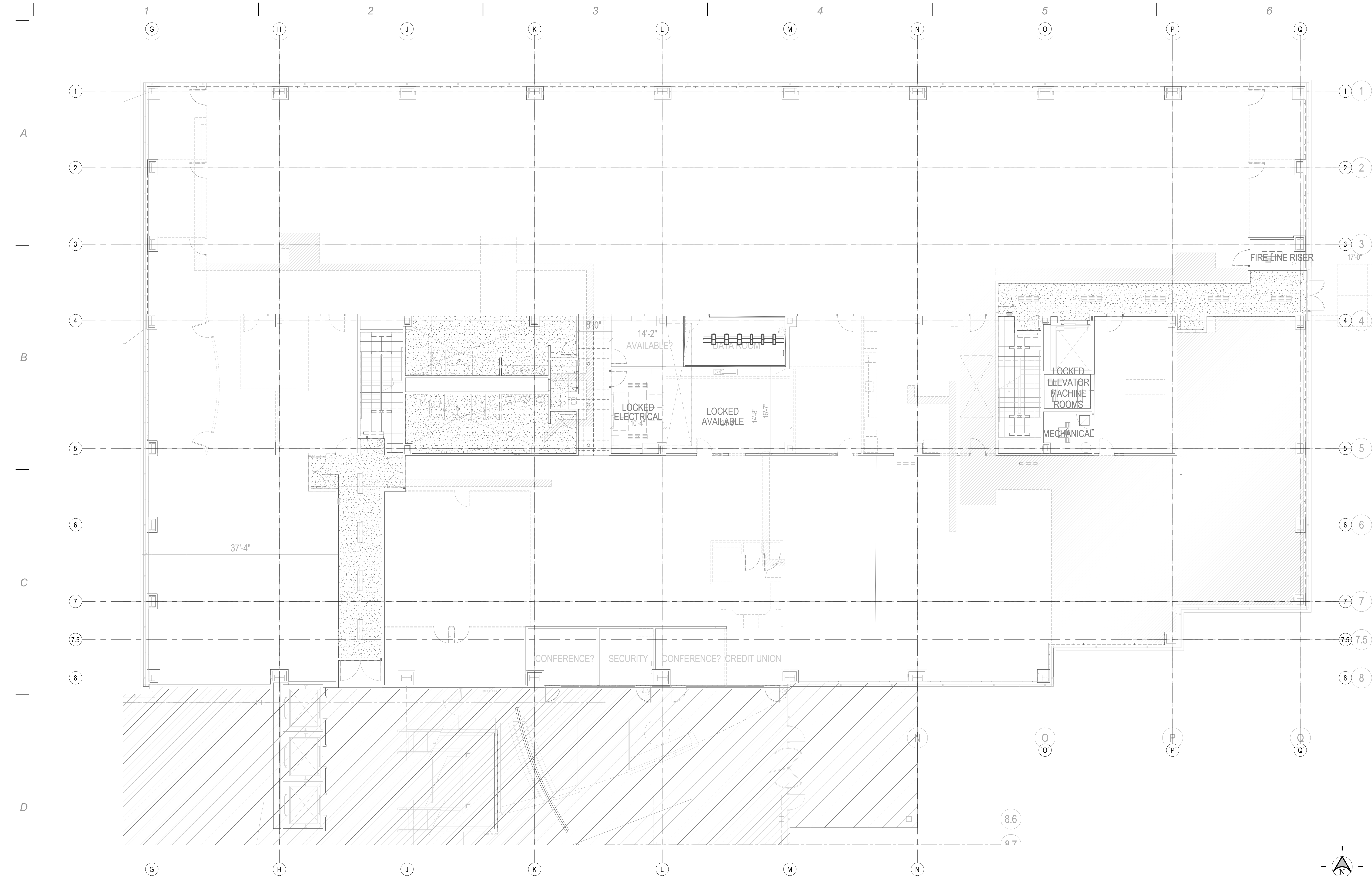
SHEET KEYNOTES

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<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT</p>
	<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4848 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>
<p>SHEET DESCRIPTION: DEMOLITION POWER PLAN - LEVEL 1</p>	<p>SHEET: ED101</p>

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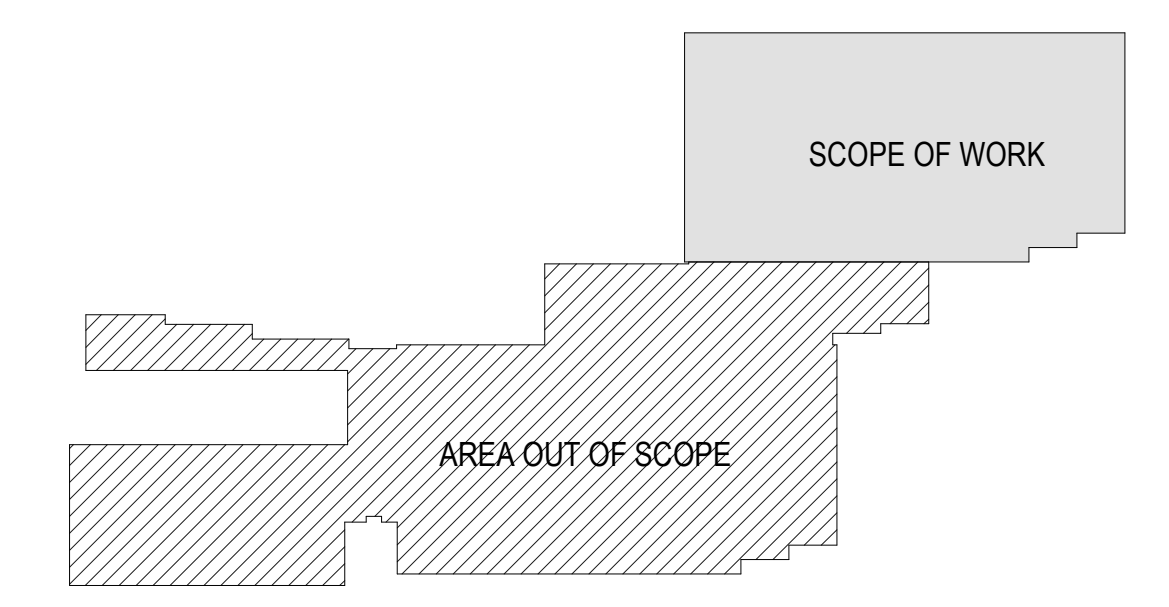
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GENERAL SHEET NOTES

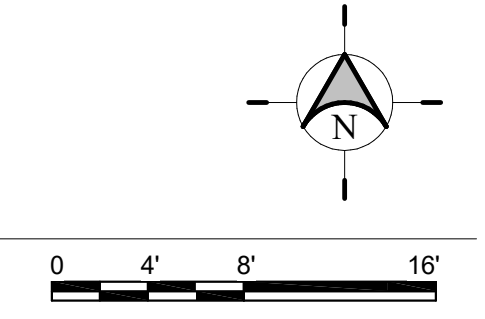
- A. UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
- B. AT OWNER'S OPTION, SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
- C. PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.
- D. PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- E. REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- F. REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED. WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
- G. REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.
- H. DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.
- I. REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.
- J. DEMOLISH ALL WIFI ACCESS POINTS WHETHER SHOWN ON DRAWINGS OR NOT WITHIN SCOPE OF WORK AREA.
- K. REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNECTS, ETC. BACK TO SOURCE.
- L. ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- M. CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.
- N. ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO SOURCE.
- O. DEMOLISH OUTLETS IN EXTERIOR WALLS. PULL BACK WIRING TO LAST ACTIVE JUNCTION BOX.

SHEET KEYNOTES

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D1 DEMOLITION LIGHTING PLAN - LEVEL 1
 SCALE: 1/8" = 1'-0"



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 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT
	PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL 4848 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120
SHEET DESCRIPTION: DEMOLITION LIGHTING PLAN - LEVEL 1	SHEET: ED151

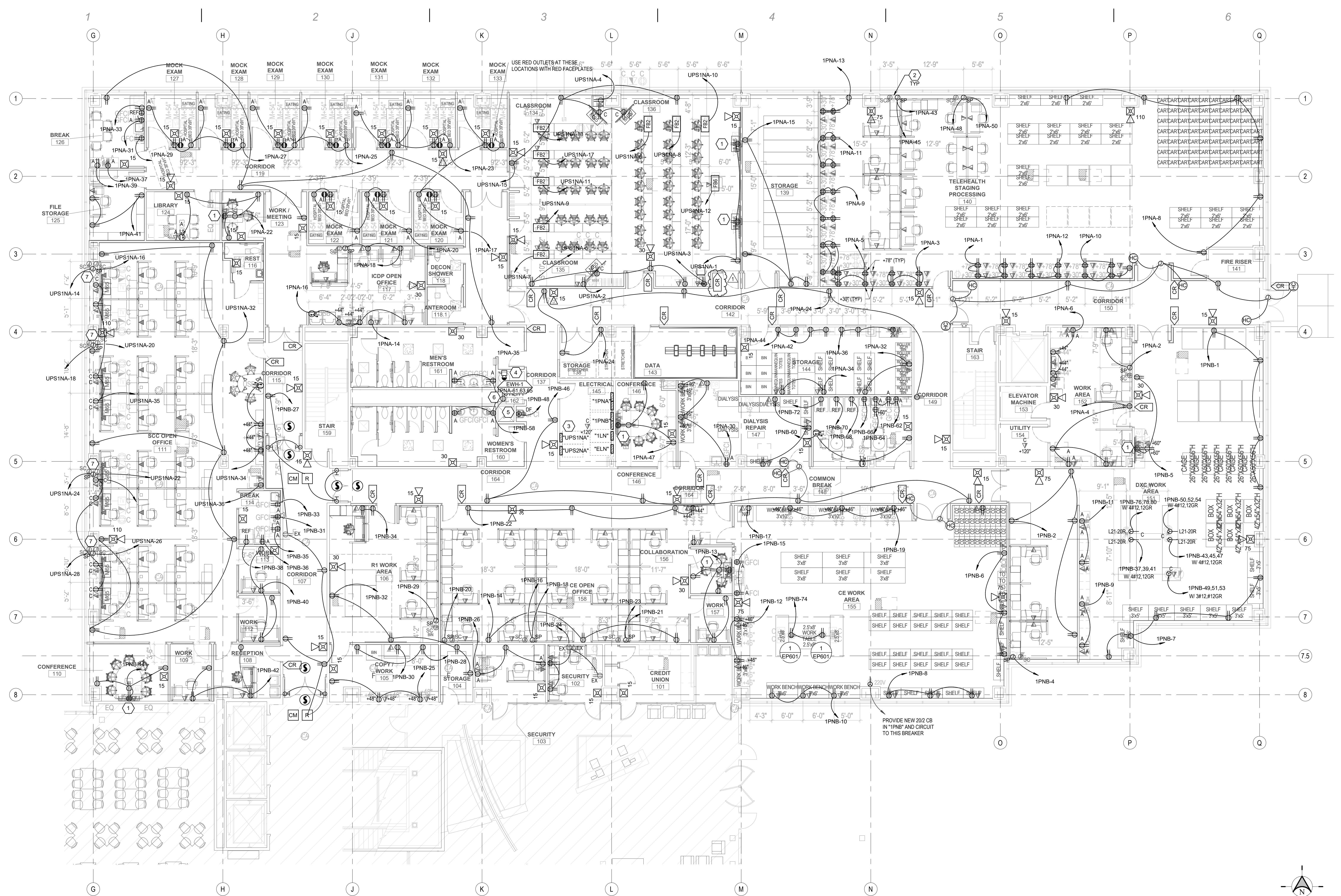
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1	Addendum 2	05/10/2022

GENERAL SHEET NOTES

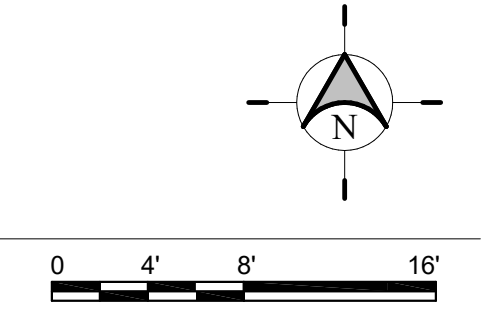
- A. SEE ARCHITECTURAL AP101 FOR MORE DIMENSIONAL INFORMATION REGARDING PLACEMENT OF DEVICES. SEE AUDIO VISUAL FOR ADDITIONAL INFORMATION REGARDING AUDIO VISUAL DEVICES AND WIRING.
- B. PROVIDE CONDUIT ROUGH-IN WHERE CARD READERS ARE SHOWN PER SECURITY VENDOR'S REQUIREMENTS. SEE A601 AND THE DOOR HARDWARE SPECS IN SPEC SECTION 081100 FOR ADDITIONAL INFORMATION REGARDING ELECTRICAL REQUIREMENTS FOR DOOR HARDWARE.

SHEET KEYNOTES

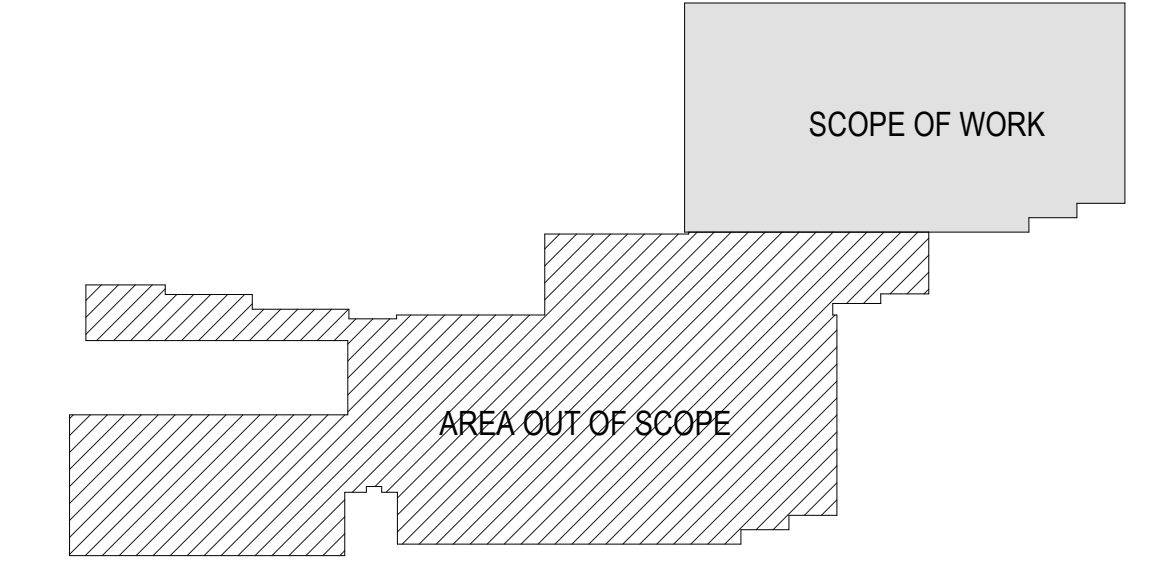
1. COORDINATE MOUNTING HEIGHT OF MONITOR WITH AV INSTALLER AND INSTALL OUTLET AT APPROPRIATE HEIGHT.
2. RUN CONDUIT DOWN COLUMN AND HORIZONTALLY THROUGH WALL TO FURNITURE.
3. PROVIDE (12) NEW 201 BREAKERS IN EXISTING PANEL UPS1NA.
4. PROVIDE 503 BREAKER IN EXISTING PANEL AND CIRCUIT TO THIS BREAKER WITH WIRING SHOWN IN EQUIPMENT SCHEDULE.
5. PROVIDE GFCI BLANK DEVICE ADJACENT TO DRINKING FOUNTAIN AND FEED STANDARD DUPLEX BEHIND DRINKING FOUNTAIN ON LOAD SIDE OF DRINKING FOUNTAIN.
6. LOCATE OUTLET FOR CIRCULATION PUMP NEAR EQUIPMENT. COORDINATE EXACT PLACEMENT WITH PLUMBING CONTRACTOR.
7. RUN POWER FROM CONDUIT BELOW RAISED ACCESS FLOORING TO FLOOR SLEEVE. TYPICAL.



D1 POWER PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"



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CURTIS MINER ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 19 APRIL 2022
PROJECT #: 21-099
PROJ. MAN.: JSJ
CHECKED BY: GWT

PROJECT:
**INTERMOUNTAIN LAKE PARK
NORTH LEVEL 1 REMODEL**

4646 LAKE PARK BLVD
WEST VALLEY CITY, UTAH 84120

SHEET DESCRIPTION:
POWER PLAN - LEVEL 1

SHEET:
EP101

BM 36012-099 IFC Lake Park Level 1 - North Remodel/202102-Elec Central.rvt
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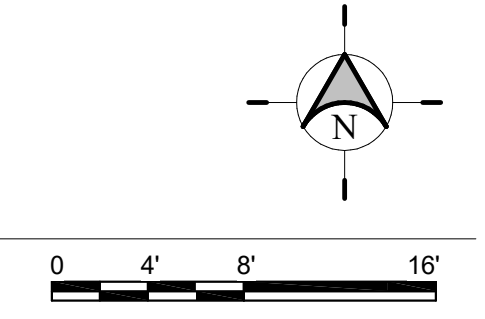
GENERAL SHEET NOTES

SHEET KEYNOTES

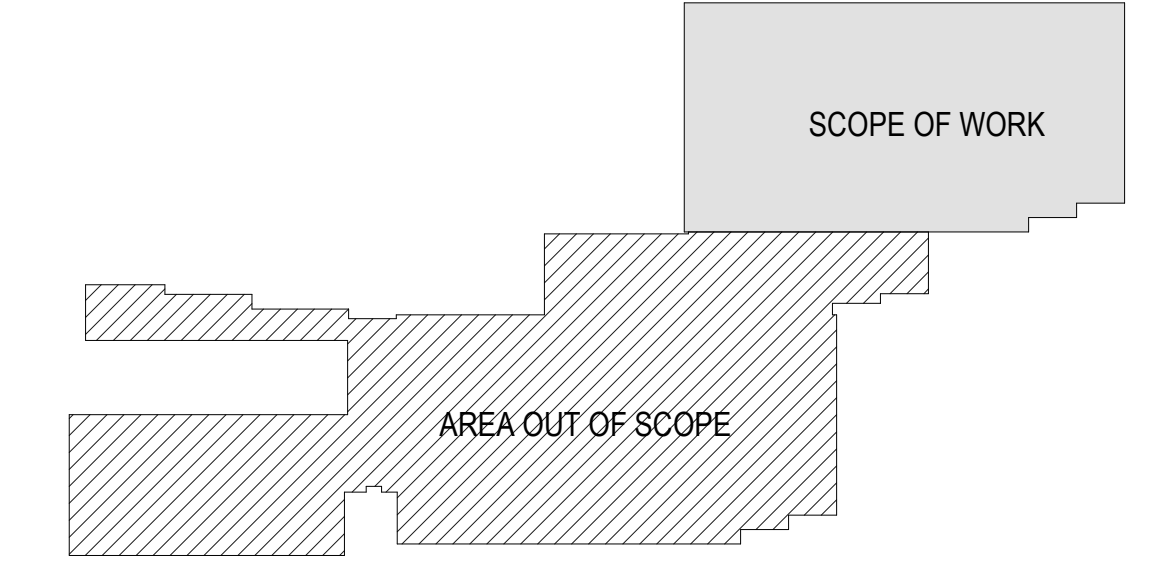
- 1 REPLACE EXISTING LIGHT FIXTURES IN ROOM WITH NEW FIXTURE IN THE EXISTING LOCATIONS. PATCH AND REPAIR AS REQUIRED.
- 2 REPLACE EXISTING WALL MOUNTED LIGHT FIXTURES IN STAIRWELL ON EACH LEVEL WITH NEW FIXTURES IN THE EXISTING LOCATIONS. 7 TOTAL. PATCH AND REPAIR AS REQUIRED.



D1 LIGHTING PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"



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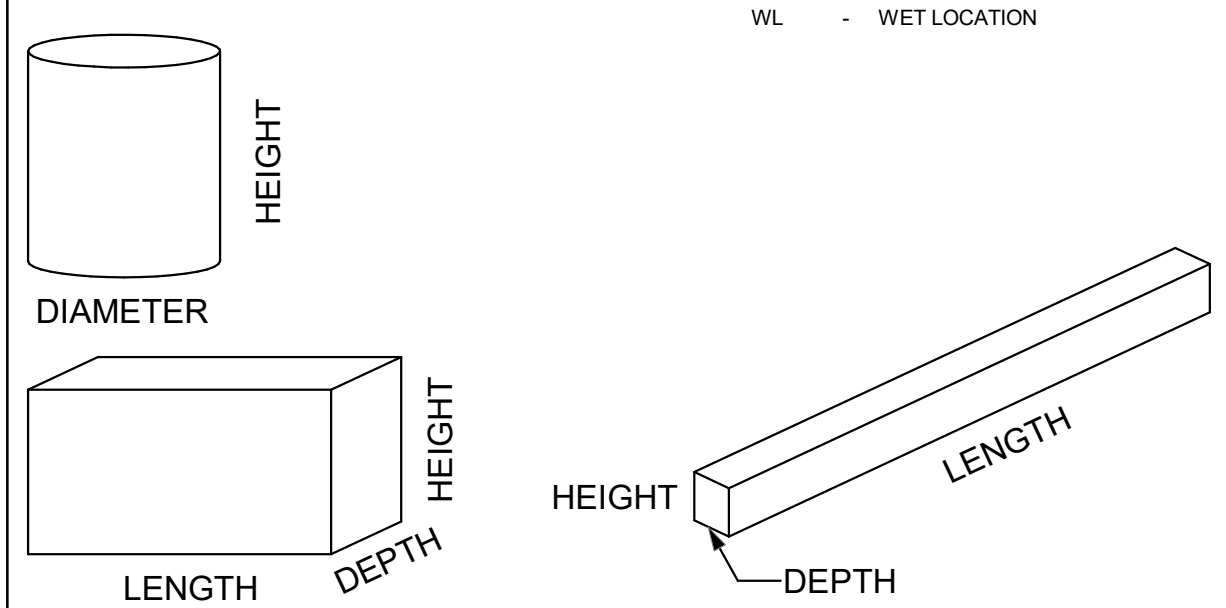


<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT</p>
	<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4846 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>
<p>SHEET DESCRIPTION: LIGHTING PLAN - LEVEL 1</p>	<p>SHEET: EL151</p>

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INTERIOR LIGHTING FIXTURE SCHEDULE


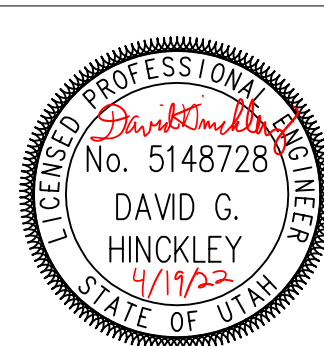
ABBREVIATIONS			GENERAL NOTES		
MOUNTING B - BASE C - CEILING F - FLANGE G - GRID P - PENDANT PL - POLE R - RECESSED S - SURFACE W - WALL 	LUMINAIRE OPTIONS ARHR - AIR RETURN AND HEAT REJECTION DL - DAMP LOCATION EOC - EARTHQUAKE CLIPS F - FUSING HLD - HINGED AND LATCHED DOOR HS - HOUSE SIDE SHIELD PS - PHOTOCELL SWITCH QRS - QUARTZ RESTRIKE ST - STATIC WG - WIRE GUARD WL - WET LOCATION	FINISH MW - MATTE WHITE BL - BLACK SL - SILVER GL - GOLD CL - CLEAR PW - PAINTED WHITE EA - EXTRUDED ALUMINUM S - STEEL GS - GALVANIZED STEEL C - CAST CBA - COLOR BY ARCHITECT SCBA - STANDARD COLOR BY ARCHITECT FS - MEETS FEDERAL STANDARD 209D TP - THERMALLY PROTECTED FL - FLUSH R - REGRESS M - MITERED	DIFFUSER/LENS BA - ACRYLIC #THICK ROA - ACRYLIC #THICK (OPAL) GC - GLASS (CLEAR) GO - GLASS (OPAL) CL - CLEAR SQ - SOFT GLOW LENS HPL - HIGH PERFORMANCE LENS DO - DROP OPAL COL - CONVEX GLASS LENS S - SATIN LENS	REFLECTOR OP - NONE/OPEN SP - SPECULAR SS - SEMI-SPECULAR D - DIFFUSE (WHITE ENAMEL) SC - SPECULAR (COLORED) PR - PRISMATIC FR - FULL DEPTH REFLECTOR DS - DIFFUSE (SEMI SPECULAR) SILVER LI - LOW IRIDESCENT IR - IRRIDESCENT SL - SILVER GL - GOLD CA - CLEAR ALZAK	NOTES 1. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS, AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER. 2. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES. 3. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING. 4. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES. 5. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION. 6. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. 7. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS. 8. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, DRIVERS, AND LAMPS. 9. ALL LIGHT FIXTURES TO BE EITHER "DL" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.

ID	DESCRIPTION	TYPE	C	COLOR TEMP	VOLTAGE	WATTS	LUMENS	MANUFACTURER (CATALOG SERIES)				
								OPTION 1	OPTION 2	OPTION 3	OPTION 4	
(DX-6)	6" ROUND RECESSED DOWNLIGHT	LED	4000K	120/277	21	2000		HALO HC620D010HM61283561MDH	PRESCOLITE LF6SL-6LFSL20L35K	LIGHTOLIER 6RNP6RDL20835CC210U	LITHONIA LDN6 35/20 LD6AR LSS MVOLT EZ10	
(DX-6S)	SAME AS DX-6, EXCEPT 1500 LUMEN AND WITH WET LOCATION LISTING (FOR SHOWER)	LED	4000K	120/277	17	1500						
(ES-1)	EXIT SIGN (SINGLE FACE)	LED	GREEN	120/277	1	0		LSI VER-6-G-1C-WB-WH				
(ES-2)	EXIT SIGN (DOUBLE FACE)	LED	GREEN	120/277	2	0		LSI VER-6-G-2M-WB-WH	EVENLITE SOV-EM-G-2C-WH-SC-UC	CHLORIDE ER4RDLDU2WG	ISOLITE ELT-EM-G-2C-AG-WH-MT	
(G-1)	2x2 LED VOLUMETRIC TROFFER CONTRACTOR ALLOWANCE PRICE	LED	4000K	120/277	30	3000		METALUX 22SR-LD1-29-C-UNV-L840-CD1-U	LITHONIA 2AVL2-30LSE-MDR-EZ1-LP835	DAYBRITE CF-S-22-G-PD-30L-35-U-DZT		
(G-2)	2x4 LED TROFFER	LED	4000K	120/277	40	4000		METALUX 24SR-LD1-45-S-UNV-L840-CD1-U	LITHONIA 2AVL4-40LSE-MDR-EZ1-LP835	DAYBRITE CF-S-24-G-PD-38L-35-U-DZT		
(G-2b)	2x4 LED VOLUMETRIC TROFFER CONTRACTOR ALLOWANCE PRICE	LED	4000K	120/277	45	5300		METALUX 24SR-LD1-53-S-UNV-L840-CD1-U	LITHONIA 2AVL4-40LSE-MDR-EZ1-LP835	DAYBRITE CF-S-24-G-PD-38L-35-U-DZT		
(SC-2)	LED COVE, 2"	LED	4000K	120/277	8	800		QTRAN WAVE-SW-DRY-40-VHO-ENC-CL-P5				
(SC-3)	LED COVE, 3"	LED	4000K	120/277	12	1200		QTRAN WAVE-SW-DRY-40-VHO-ENC-CL-P5				
(SC-4)	LED COVE, 4"	LED	4000K	120/277	16	1600		QTRAN WAVE-SW-DRY-40-VHO-ENC-CL-P5				
(TX-1)	RECESSED LINEAR SLOT-3"	LED	4000K	120/277	28	2500		NEORAY S123DR-S-560D-S-40-GYP-XX-1-U-DD-F-W				
(TX-1a)	RECESSED FLUSH LED, 26" (FLUSH LENS, GRID CEILING) WHERE SHADED PROVIDE 4" AND 22" LENGTHS	LED	4000K	120/277	200	21000		NEORAY S123DR-S-750D-S-40-GRID-XX-1-U-DD-F-W	PINNACLE EV4D-A-835HO-XX-U-OL2	AXIS BBRLD-750-80-35-FL-XX-W-UNV-DP-1	MARK SL4L-LOP-XX-FLP-XX-80CRI-35K-800LMF-UNV	
(TX-1b)	RECESSED FLUSH LED, 16" (FLUSH LENS, GRID CEILING) WHERE SHADED PROVIDE 4" & 12" LENGTHS	LED	4000K	120/277	130	13500		NEORAY S123DR-S-750D-S-40-GRID-XX-1-U-DD-F-W	PINNACLE EV4D-A-835HO-XX-U-OL2	AXIS BBRLD-750-80-35-FL-XX-W-UNV-DP-1	MARK SL4L-LOP-XX-FLP-XX-80CRI-35K-800LMF-UNV	
(TX-1c)	RECESSED FLUSH LED, 8" (FLUSH LENS, GRID CEILING)	LED	4000K	120/277	130	13500		NEORAY S123DR-S-750D-S-40-GYP-XX-1-U-DD-F-W	PINNACLE EV4D-A-835HO-XX-U-OL2	AXIS BBRLD-750-80-35-FL-XX-W-UNV-DP-1	MARK SL4L-LOP-XX-FLP-XX-80CRI-35K-800LMF-UNV	
(TX-1d)	WALL VERTICAL NEXT TO MIRRORS CONTRACTOR ALLOWANCE \$485.75	LED	4000K	120/277	40	3200		AXIS ARWLED-B2-800-40-S-4-SCBA-UNV-1				
(TX-2)	2" SURFACE SLOT	LED	4000K	120/277	30	3000		NEORAY S123DS-C-560D-S-40	PINNACLE EX2D-A-N-835HO-4-S-U-OL2-1-W	AXIS B2SQSLED-750-80-35-SO-4-W-UNV-DP-1-SC	MARK SL4L-LOP-XX-FLP-XX-80CRI-35K-800LMF-UNV	
(TX-3)	PENDANT	LED	4000K	120/277	65	6500		SPI AIP11422-L50W-120-277V-4000K-DF_STM-BASE-OAH-3-PT46				
(W-3)	WRAPAROUND	LED	4000K	120/277	40	4000		METALUX 4WNLED-LD1-41-F-UNV-L835-CD1-U	LITHONIA LBL4-40L-LP835	COLUMBIA LWC4-35ML-EU	DAYBRITE OWL440L835-UNV-DIM	
(WB-10)	LED WALL BRACKET	LED	4000K	120/277	40	4000		METALUX 4SWLED-LD4-36SL-LW-UNV-L835-CD1-SVPD2-U				

NOTE: BASE BID MUST INCLUDE OPTION #1 FIXTURES. ALTERNATE FIXTURE PACKAGES WILL BE CONSIDERED AND REVIEWED AFTER THE BID. SUBMIT ALTERNATE LIGHTING PACKAGES AS "DEDUCT ALTERNATES" FOR REVIEW.

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 <p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT</p>
<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>	
<p>SHEET DESCRIPTION: INTERIOR LIGHTING FIXTURE SCHEDULE</p>	<p>SHEET: EL601</p>

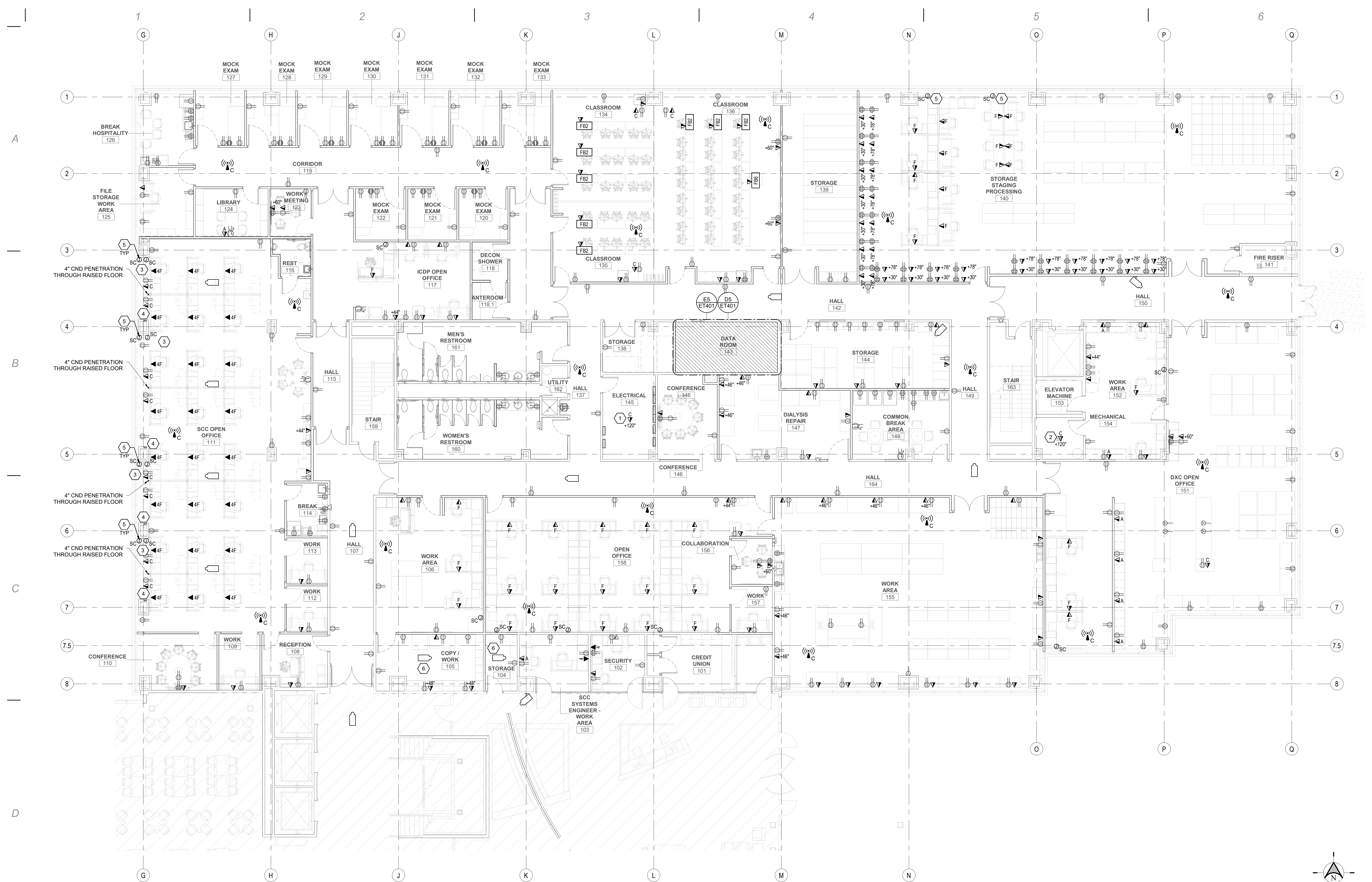
MARK	REVISION	DATE

GENERAL SHEET NOTES

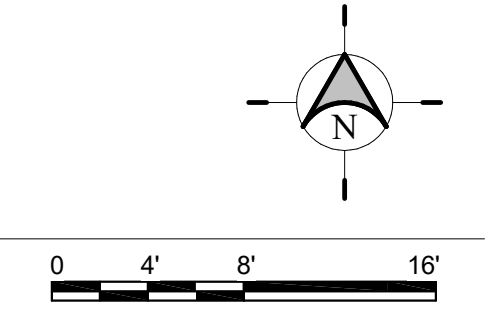
A. SEE ARCHITECTURAL AP101 FOR MORE DIMENSIONAL INFORMATION REGARDING PLACEMENT OF DEVICES. SEE AUDIO VISUAL FOR ADDITIONAL INFORMATION REGARDING AUDIO VISUAL DEVICES AND WIRING.

SHEET KEYNOTES

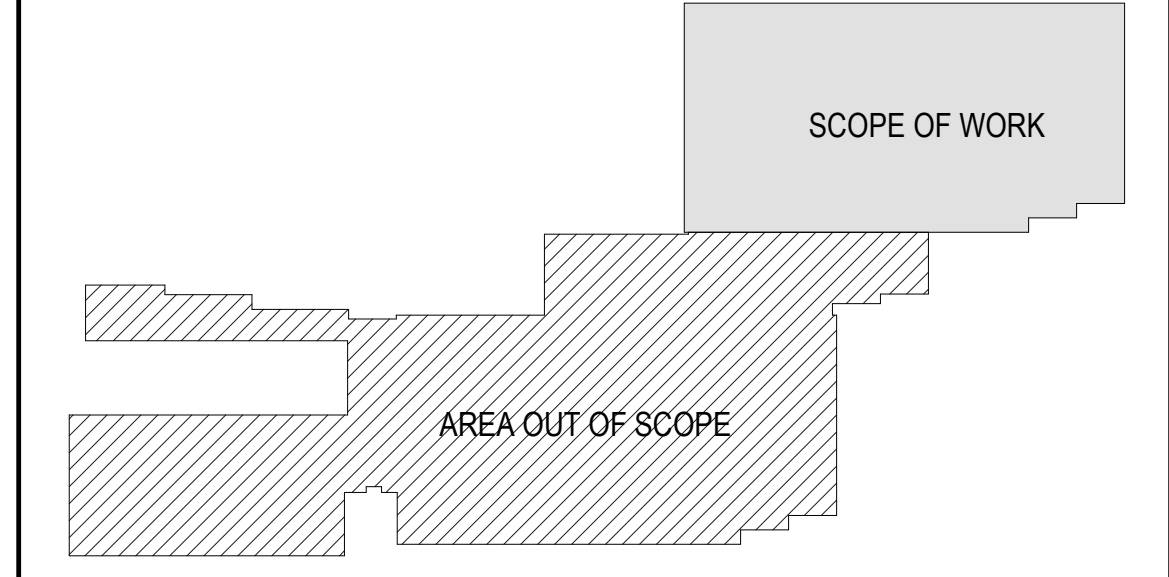
- COORDINATE EXACT TERMINATION LOCATION OF DATA DEVICE IN OPEN CEILING WITH ELECTRICAL INSTALLER.
- COORDINATE EXACT TERMINATION LOCATION OF DATA DEVICE WITH MECHANICAL INSTALLER.
- EXTEND CONDUIT FROM ACCESSIBLE CEILING TO THE RAISED FLOOR AREA IN COLUMN FOR STRUCTURED CABLING PATHWAY FOR SYSTEM FURNITURE.
- 2 EA. 3" CONDUIT FROM ACCESSIBLE CEILING SPACE TO RAISED ACCESS FLOOR AREA FOR RADIO COAX PATHWAY.
- RUN CONDUIT DOWN COLUMN AND HORIZONTALLY FOR DATA CABLES TO FURNITURE DEVICES.
- COIL 15'-0" OF EXTRA CABLE IN ACCESSIBLE CEILING SPACE AT CAMERA LOCATION IDENTIFIED FOR FUTURE INSTALLATION.



D1 TELECOM PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"



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cma@cmautah.com

DATE: 19 APRIL 2022
PROJECT #: 21-099
PROJ. MAN.: JSJ
CHECKED BY: GWT

PROJECT:
**INTERMOUNTAIN LAKE PARK
NORTH LEVEL 1 REMODEL**
4846 LAKE PARK BLVD
WEST VALLEY CITY, UTAH 84120

PROFESSIONAL SEAL:
No. 5148728
DAVID G. HINCKLEY
3/17/22
STATE OF UTAH

SHEET DESCRIPTION:
TELECOM PLAN - LEVEL 1

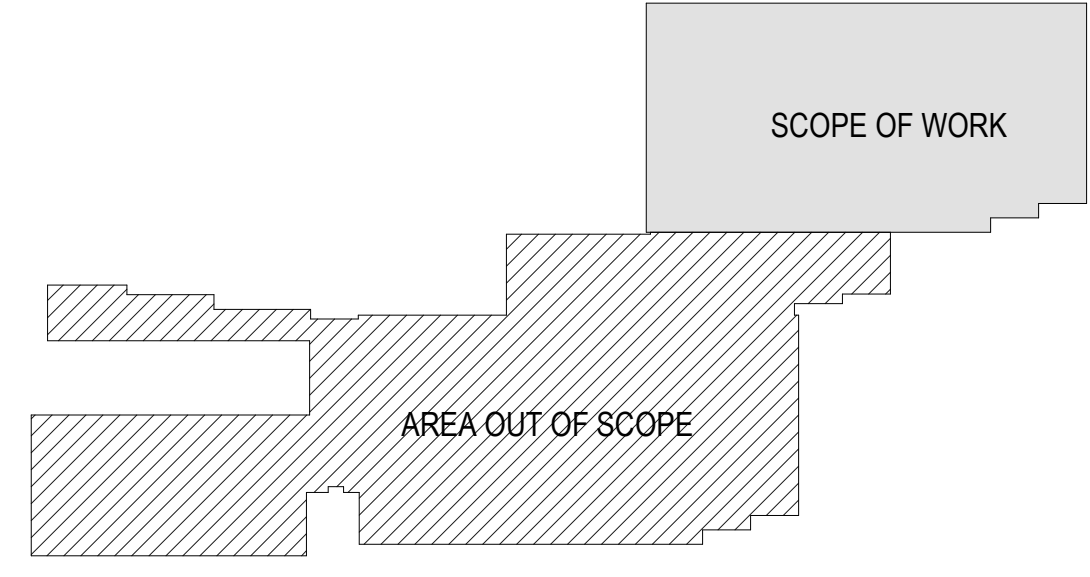
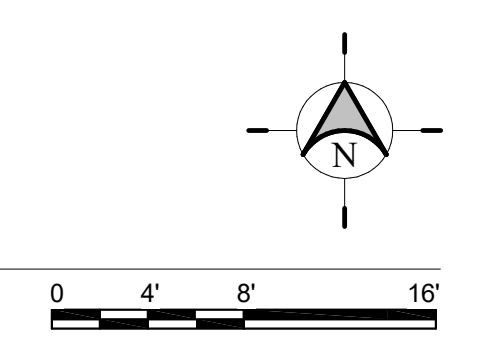
SHEET:
ET101

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1	Addendum 1	05/03/2022



D1 TELECOM RACEWAY PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"



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<p>CURTIS MINER ARCHITECTURE</p>	<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT</p>
	<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>	
<p>SHEET DESCRIPTION: TELECOM RACEWAY PLAN - LEVEL 1</p>		<p>SHEET: ET111</p>

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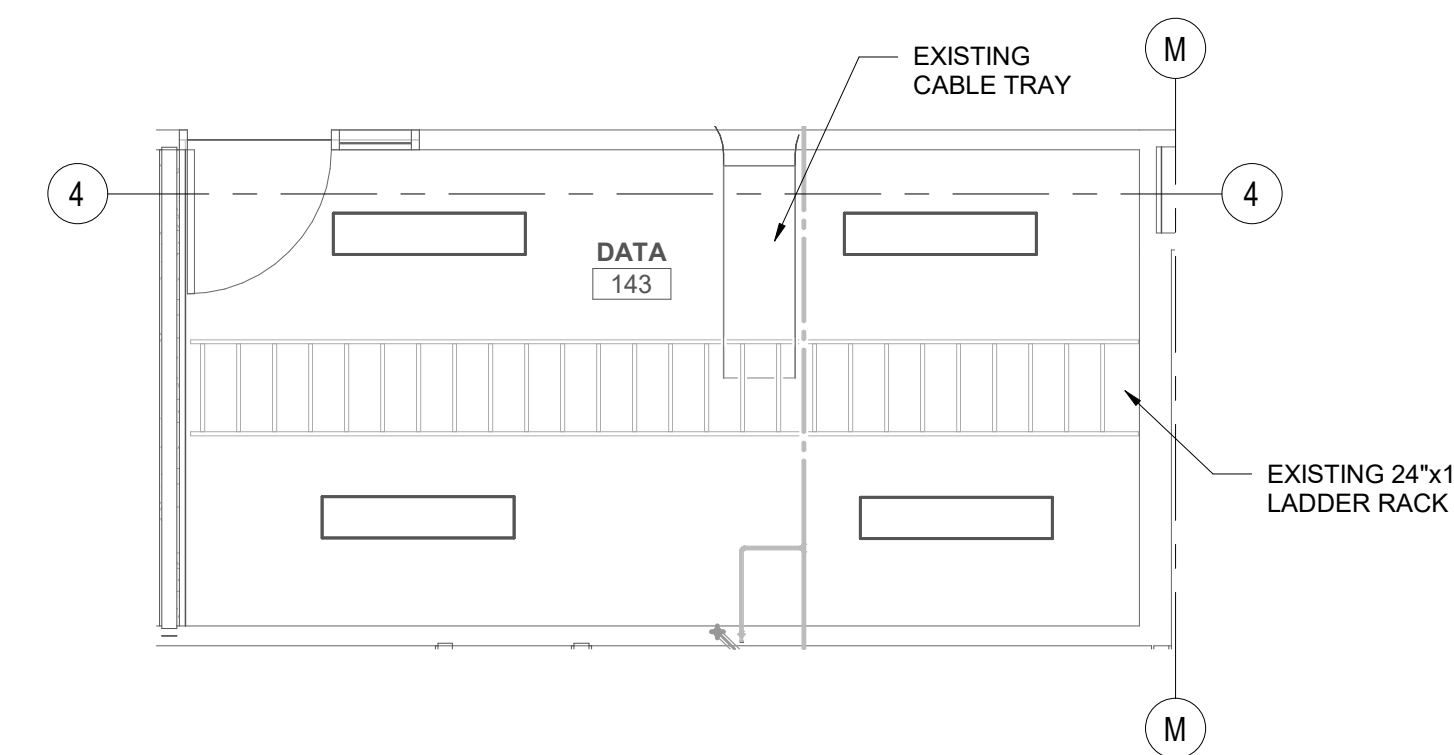
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MARK	REVISION	DATE
1	Addendum 1	05/03/2022

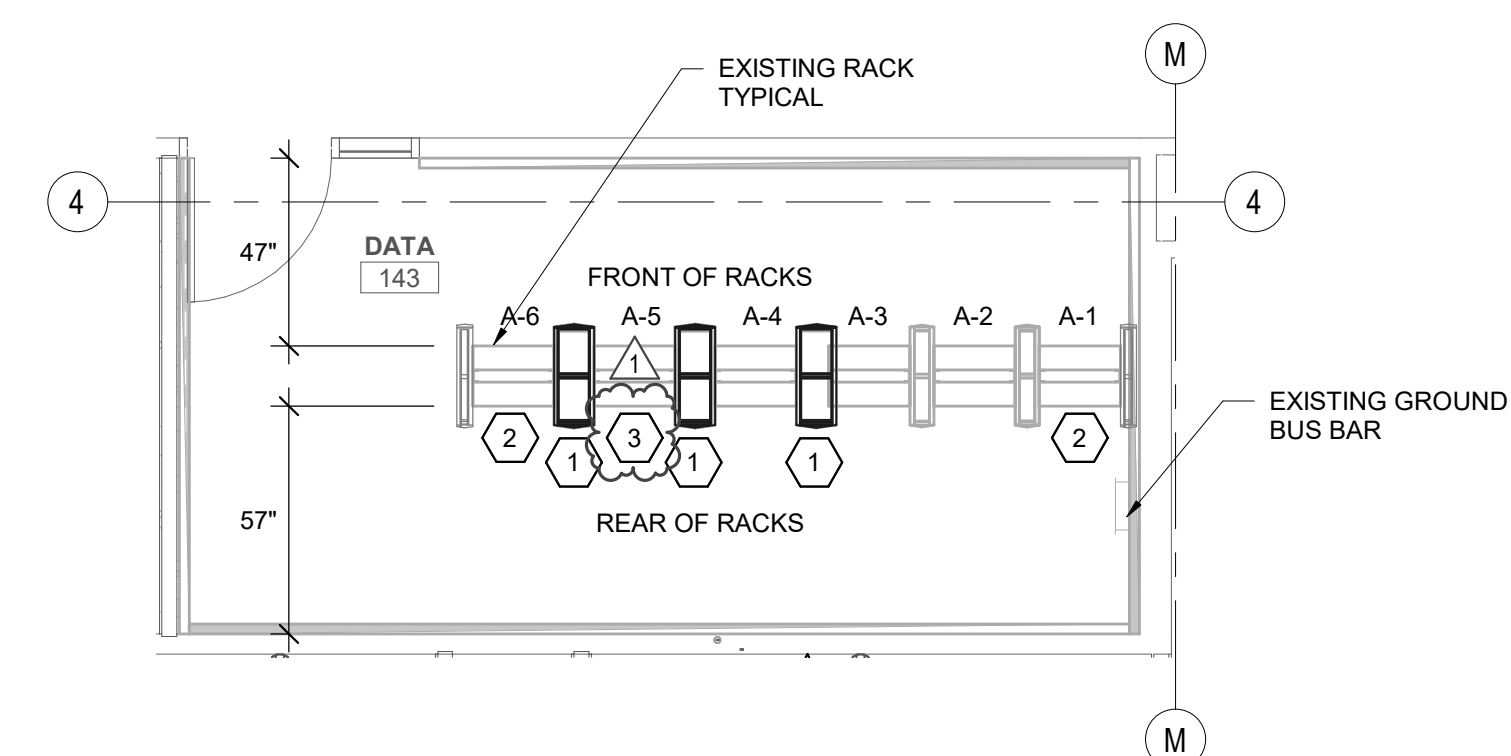
SHEET KEYNOTES

- 1 CONTRACTOR TO DETACH RACKS FROM FLOOR AND REMOVE EXISTING VERTICAL WIRE MANAGERS AND REPLACE WITH NEW 10" VERTICAL WIRE MANAGERS.
- 2 CONTRACTOR TO PRESERVE BACKBONE CABLING DURING DEMOLITION FOR USE.
- 3 CONTRACTOR TO REMOVE EXISTING RACK 5 FROM EXISTING RACK LINE UP. INSTALL NEW 10" W/M AS SHOWN IN RACK ELEVATIONS AND SHIFT RACKS IN LINE UP TO MATCH.

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D5 ENLARGED DATA ROOM 143 LADDER RACK PLAN
 SCALE: 1/4" = 1'-0"



E5 ENLARGED DATA ROOM 143 EQUIPMENT RACK PLAN
 SCALE: 1/4" = 1'-0"

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DATE: 19 APRIL 2022
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 PROJ. MAN.: JSJ
 CHECKED BY: GWT

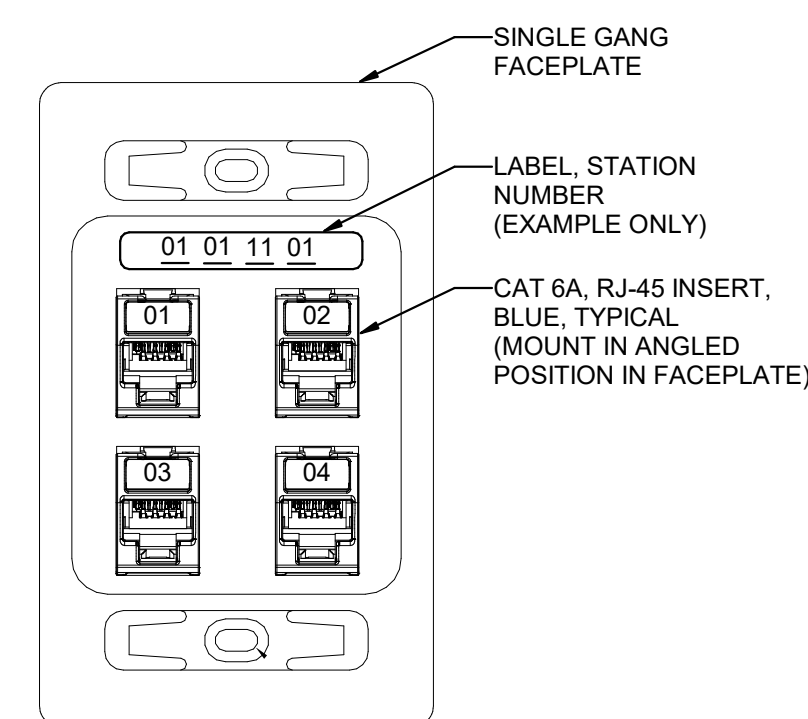
PROJECT:
**INTERMOUNTAIN LAKE PARK
 NORTH LEVEL 1 REMODEL**

4646 LAKE PARK BLVD
 WEST VALLEY CITY, UTAH 84120

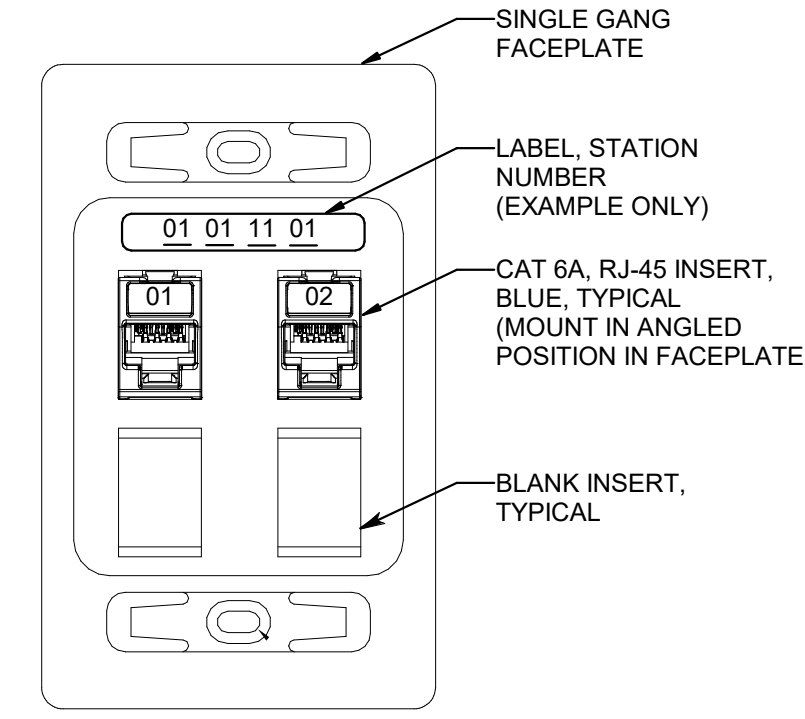
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ENLARGED TELECOM PLANS

SHEET:
ET401

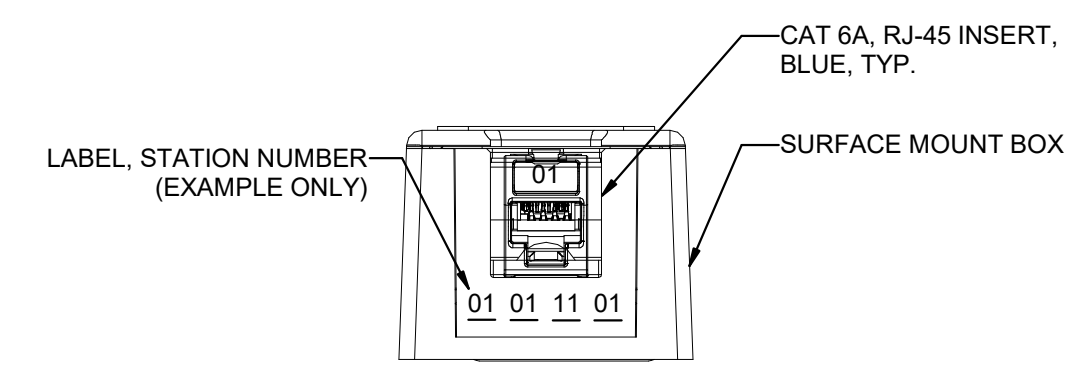
MARK	REVISION	DATE



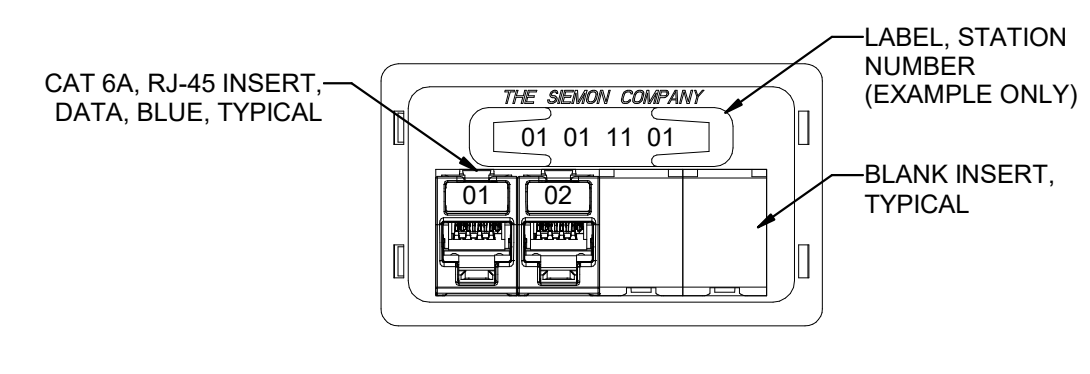
A5 TYPICAL 4-PORT WALL DATA OUTLET
SCALE: NTS



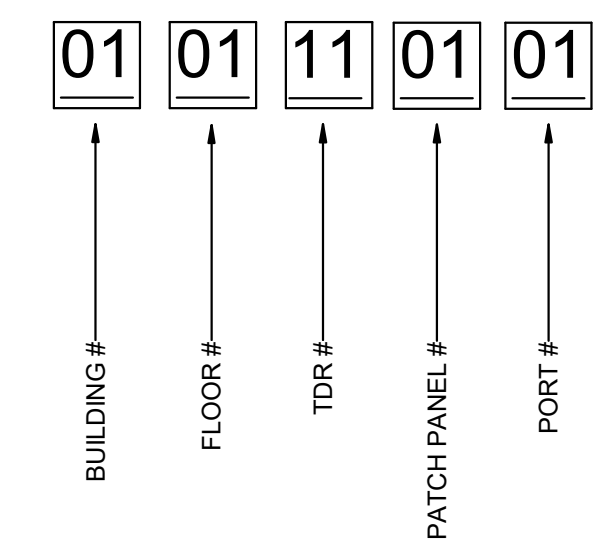
A6 TYPICAL 2-PORT WALL DATA OUTLET
SCALE: NTS



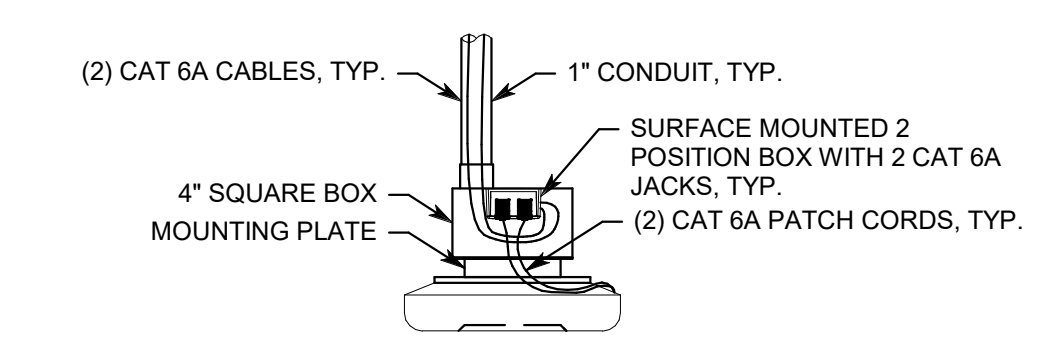
B5 TYPICAL 1-PORT CAMERA DATA OUTLET
SCALE: NTS



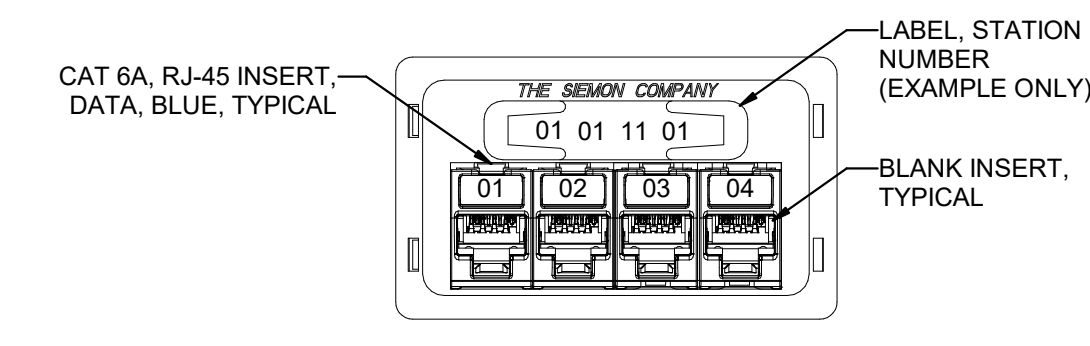
B6 TYPICAL 2-PORT FURNITURE DATA OUTLET
SCALE: NTS



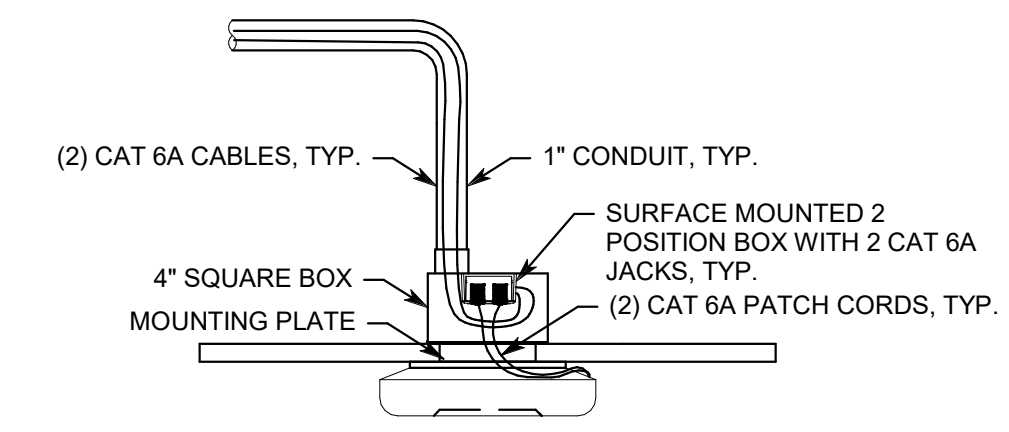
C4 TYPICAL CABLE ID EXAMPLE DETAIL
SCALE: NTS



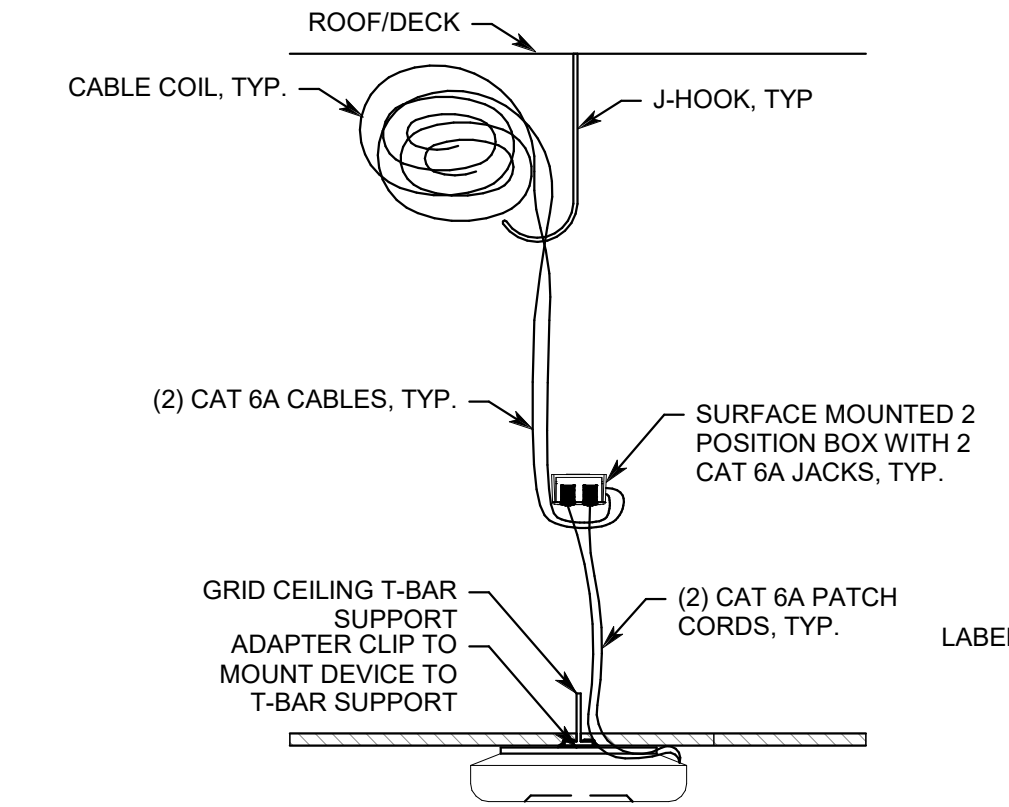
C5 OPEN CEILING MOUNT WIRELESS ACCESS POINT MOUNTING DETAIL (OPEN CEILING)
SCALE: NTS



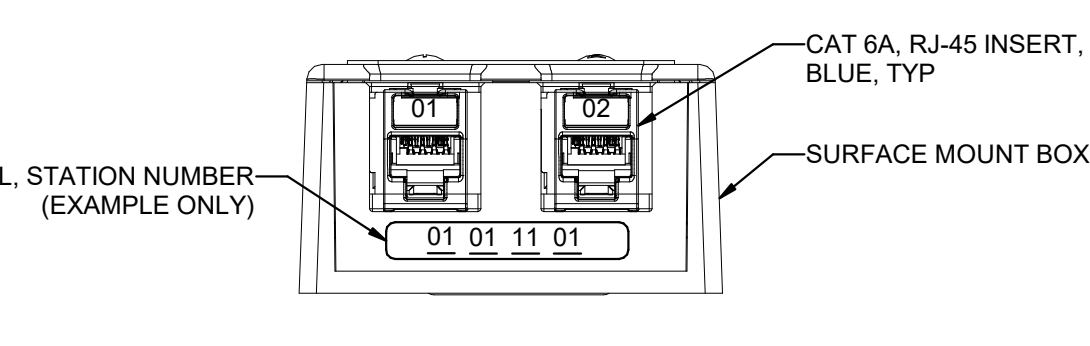
C6 TYPICAL 4-PORT FURNITURE DATA OUTLET
SCALE: NTS



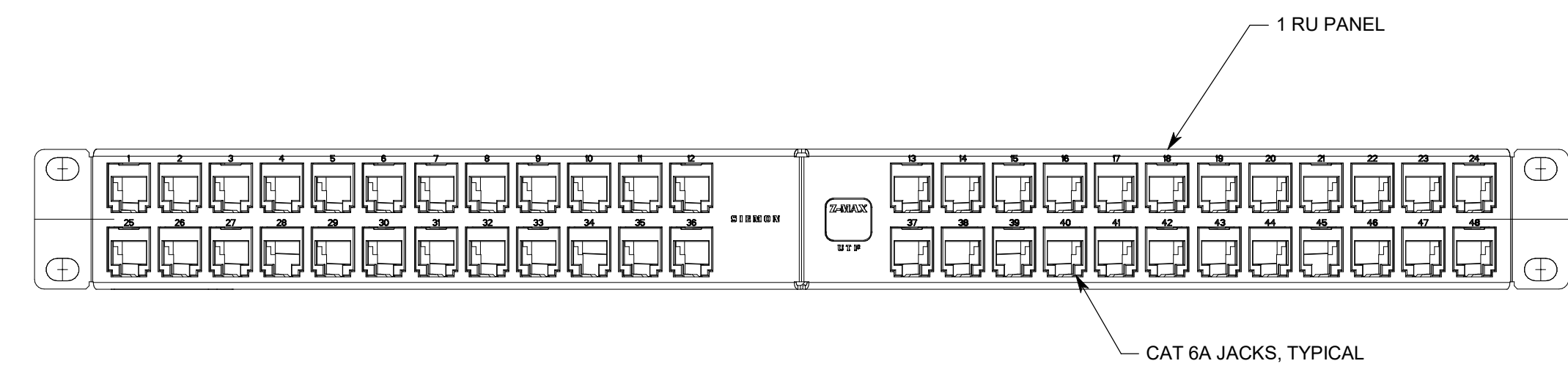
D4 HARD-LID CEILING MOUNT WIRELESS ACCESS POINT MOUNTING DETAIL (HARD-LID CEILING)
SCALE: NTS



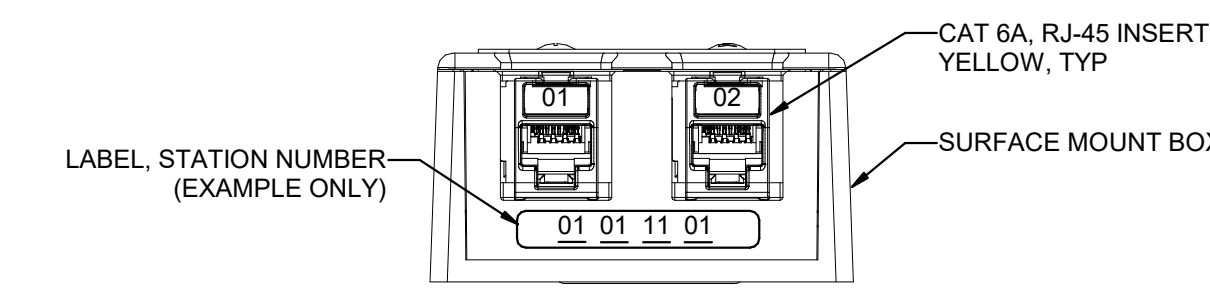
D5 T-BAR MOUNT WIRELESS ACCESS POINT MOUNTING DETAIL (T-BAR)
SCALE: NTS



D6 TYPICAL 2-PORT CEILING DATA
SCALE: NTS



E3 STATION PATCH PANEL (SPP1) DETAIL, TDR
SCALE: 1/8" = 1'-0"



E6 TYPICAL 2-PORT WIRELESS ACCESS POINT
SCALE: NTS

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	<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>
<p>SHEET DESCRIPTION: TELECOM DETAILS</p>	<p>SHEET: ET502</p>

BIM 360://21-099 IHC Lake Park Level 1 - North Remodel/20210-Elec Central.rvt
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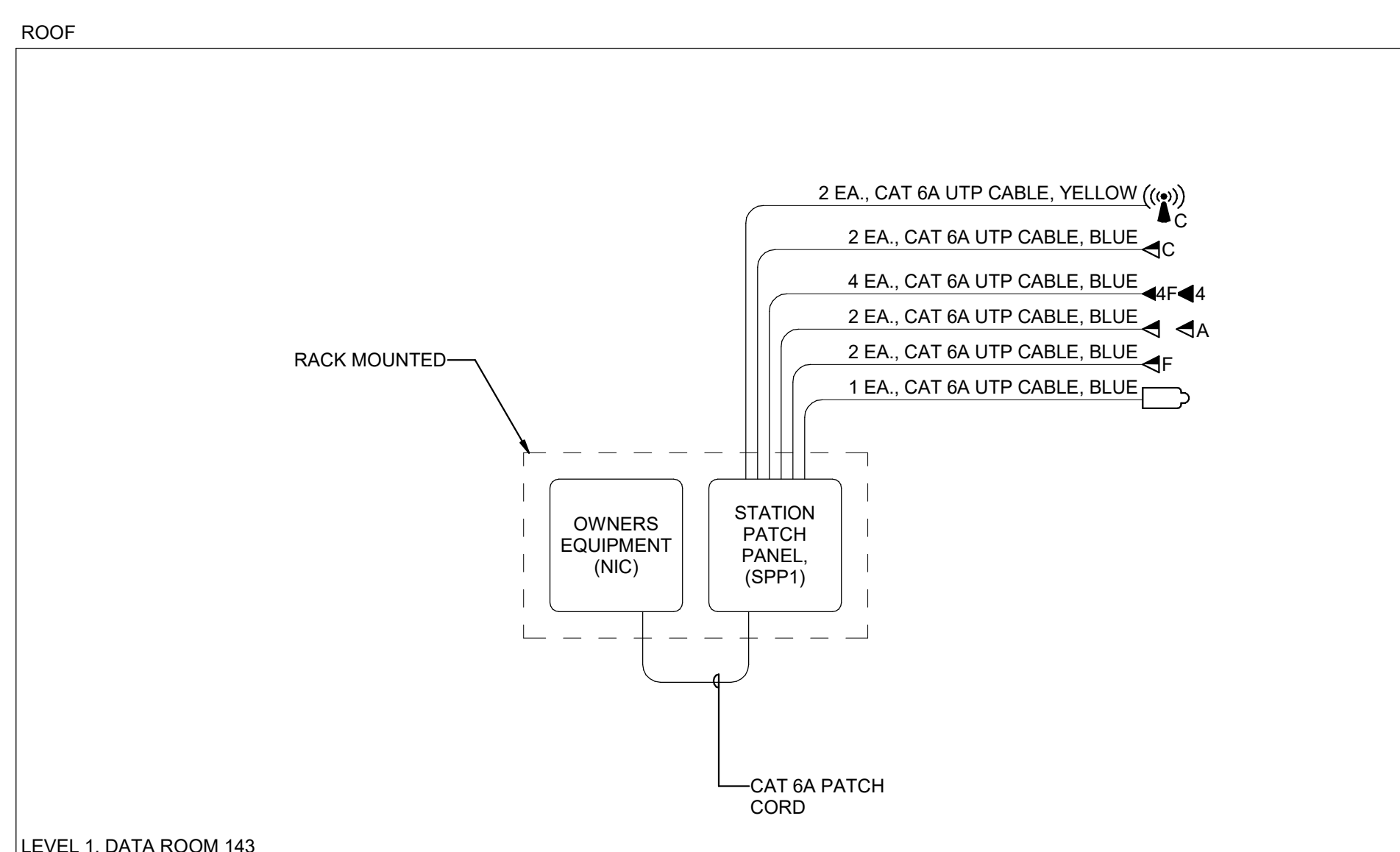
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C

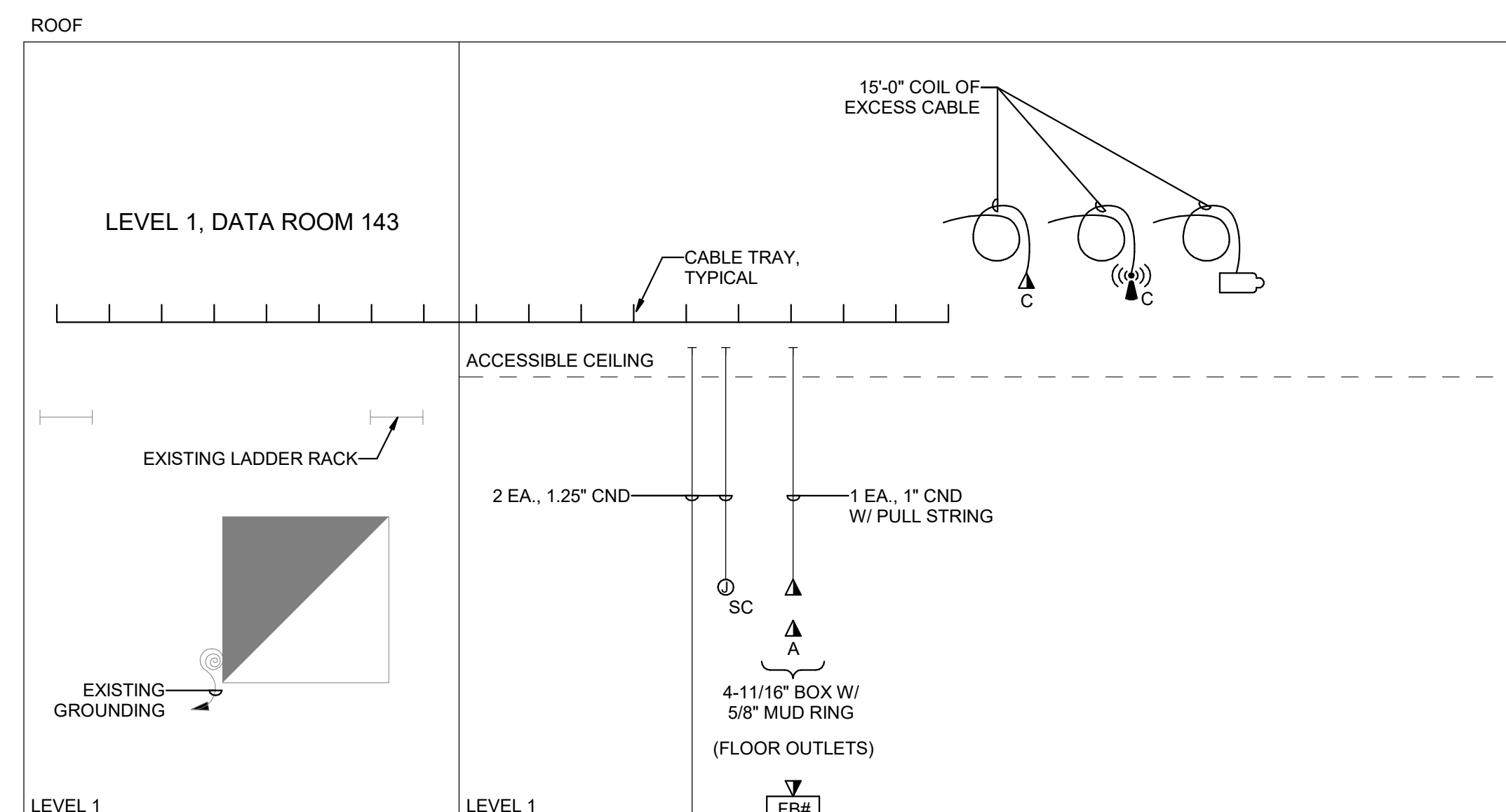
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E

MARK	REVISION	DATE



E1 TELECOM CABLE RISER DIAGRAM
SCALE: NTS



E4 TELECOM CONDUIT RISER DIAGRAM
SCALE: NTS

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800-478-7077
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<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 19 APRIL 2022</p> <p>PROJECT #: 21-099</p> <p>PROJ. MAN.: JSJ</p> <p>CHECKED BY: GWT</p>
	<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>
<p>SHEET DESCRIPTION: TELECOM RISER DIAGRAMS</p>	<p>SHEET: ET601</p>

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GENERAL SHEET NOTES

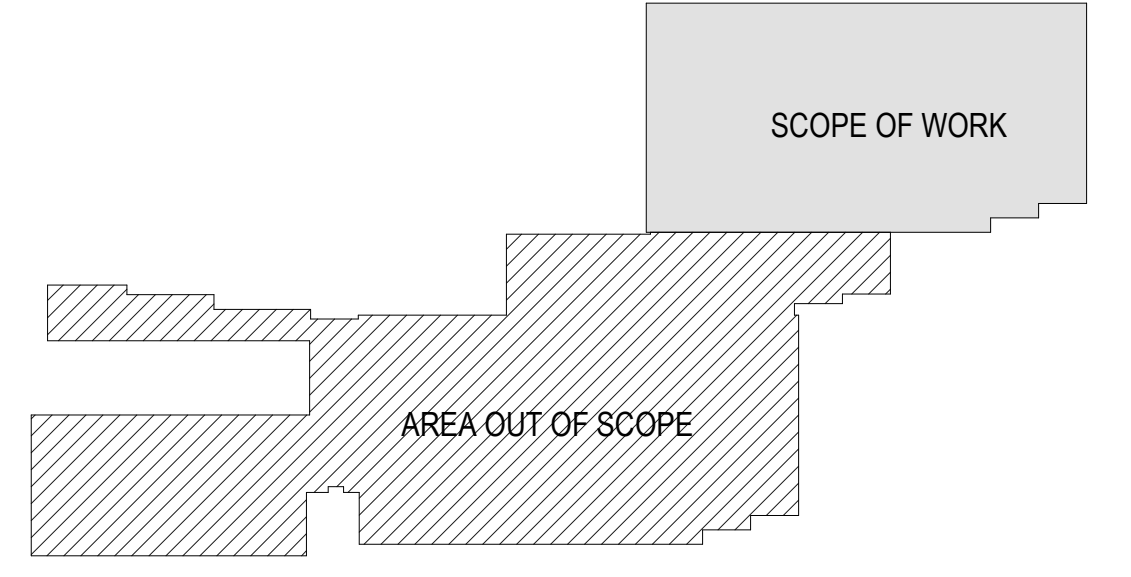
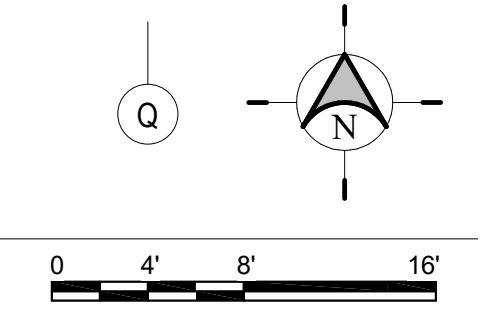
- A. COORDINATE EXACT LOCATION OF ALL FLOOR BOXES WITH ARCHITECT PRIOR TO INSTALLATION.
- B. COORDINATE EXACT JUNCTION BOX LOCATIONS SO THAT THEY ARE EASILY ACCESSIBLE AND ARE NOT BEHIND DOORS, FURNITURE, MONITORS, ETC.
- C. ELECTRICAL INSTALLER TO ENSURE ALL WALL MOUNTED ELECTRICAL DEVICES (AV JUNCTION BOXES, DATA JACKS, ETC.) ARE PLUMB, LEVEL, AND VERTICALLY ALIGNED WHERE APPLICABLE.

SHEET KEYNOTES

- 1. AV CABLE TO BE PULLED THROUGH FLOOR BOX TO LECTERN BY AV INSTALLER.
- 2. INSTALL JUNCTION BOX FOR CAMERA FLUSH IN CEILING WITHIN 12" OF OPERABLE WALL.
- 3. INSTALL JUNCTION BOX FOR INFRARED SENSOR WHERE IT WILL BE ABLE TO SENSE OPERABLE WALL POSITION AND WHERE IT WILL NOT INTERFERE WITH WALL OPERATION. COORDINATE WITH AV INSTALLER.
- 4. INSTALL CEILING MOUNTED MONITOR WHERE IT WILL NOT INTERFERE WITH OPERABLE WALL. COORDINATE EXACT LOCATION WITH ARCHITECT.
- 5. INSTALL JUNCTION BOX FOR TV JACK FLUSH IN CEILING ADJACENT TO POWER, DATA AND VIDEO CONNECTIONS.
- 6. INSTALL JUNCTION BOX FOR TV JACK FLUSH IN WALL ADJACENT TO POWER AND DATA CONNECTIONS AT ELECTRICAL OUTLET HEIGHT. CONTRACTOR TO REMOVE AND RELOCATE MONITORS FROM PARKWAY BUILDING ACROSS THE STREET TO THIS LOCATION. COORDINATE DETAILS WITH OWNER.
- 7. INSTALL JUNCTION BOX FOR VIDEO CONNECTION PANEL BELOW MONITOR AND ABOVE COUNTERTOP HEIGHT. COORDINATE EXACT LOCATION WITH AV INSTALLER.
- 8. MASKING EQUIPMENT TO BE INSTALLED IN DATA RACK. COORDINATE EXACT LOCATION WITH OWNER'S IT DEPARTMENT.
- 9. ROUTE CABLES TO MASKING EQUIPMENT LOCATION IN DATA ROOM 143.
- 10. LARGE JUNCTION BOX TO BE INSTALLED BY ELECTRICAL. AV EQUIPMENT RACK TO BE FURNISHED AND INSTALLED BY AV INSTALLER.



D1 AUDIO VISUAL ROUGH-IN PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"



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CURTIS MINER ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD. SUITE #105
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PHONE: (801) 769-3000
cma@cmautah.com

DATE: 19 APRIL 2022
PROJECT #: 21-099
PROJ. MAN.: JSJ
CHECKED BY: GWT

PROJECT:
**INTERMOUNTAIN LAKE PARK
NORTH LEVEL 1 REMODEL**
4848 LAKE PARK BLVD
WEST VALLEY CITY, UTAH 84120

PROFESSIONAL SEAL:
DAVID C. HINKLEY
5/11/25
STATE OF UTAH

SHEET DESCRIPTION:
AV ROUGH-IN PLAN - LEVEL 1

SHEET:
EJ101

BIM 360://21-099 IFC Lake Park Level 1 - North Remodel/20210-Elec Central.rvt
 4/19/2022 11:42:20 AM

MARK	REVISION	DATE

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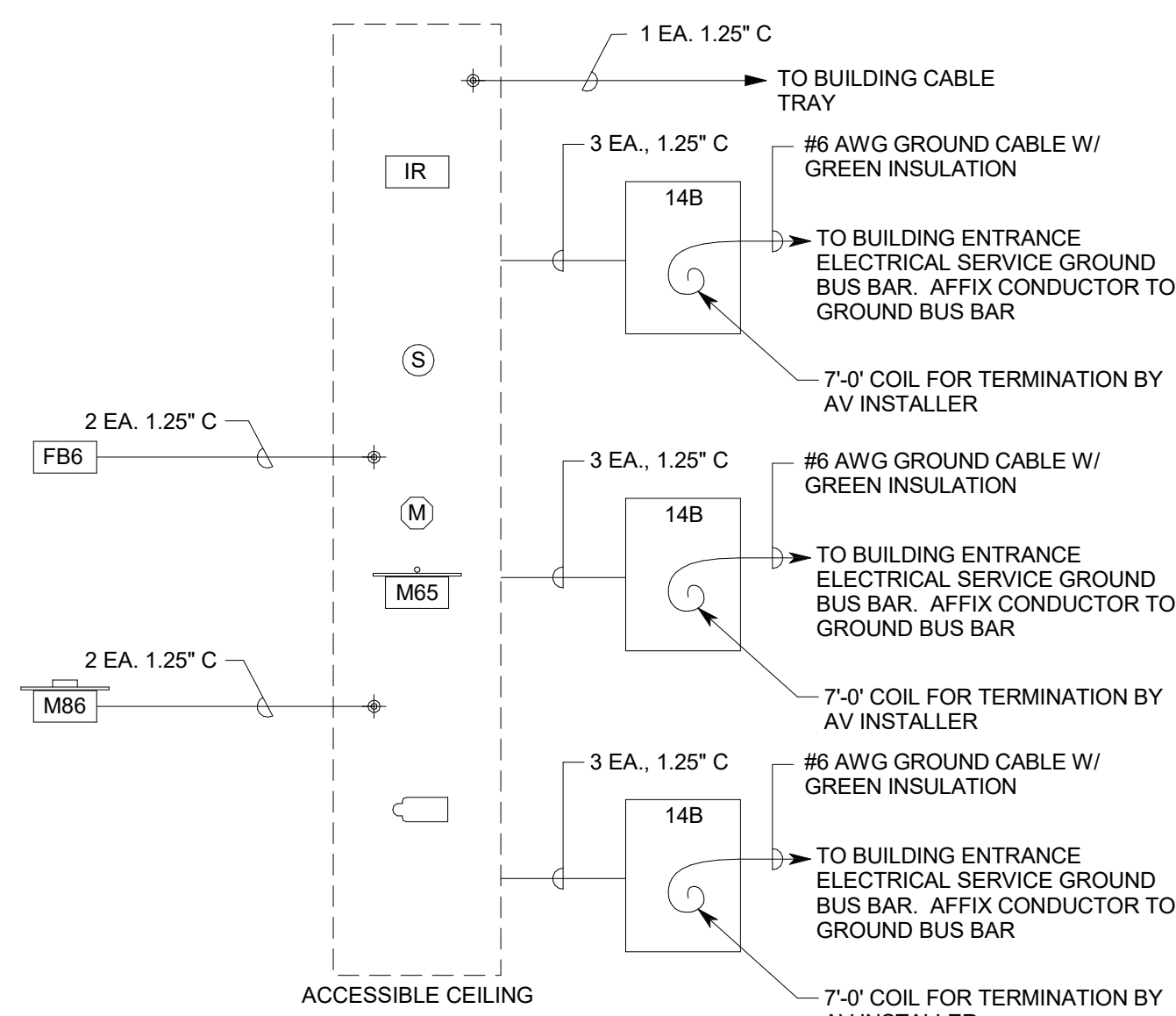
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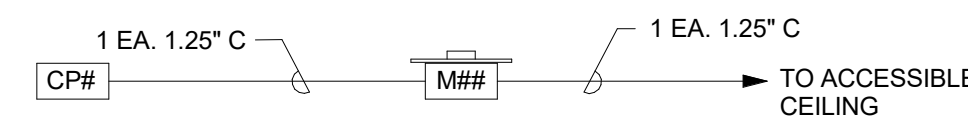
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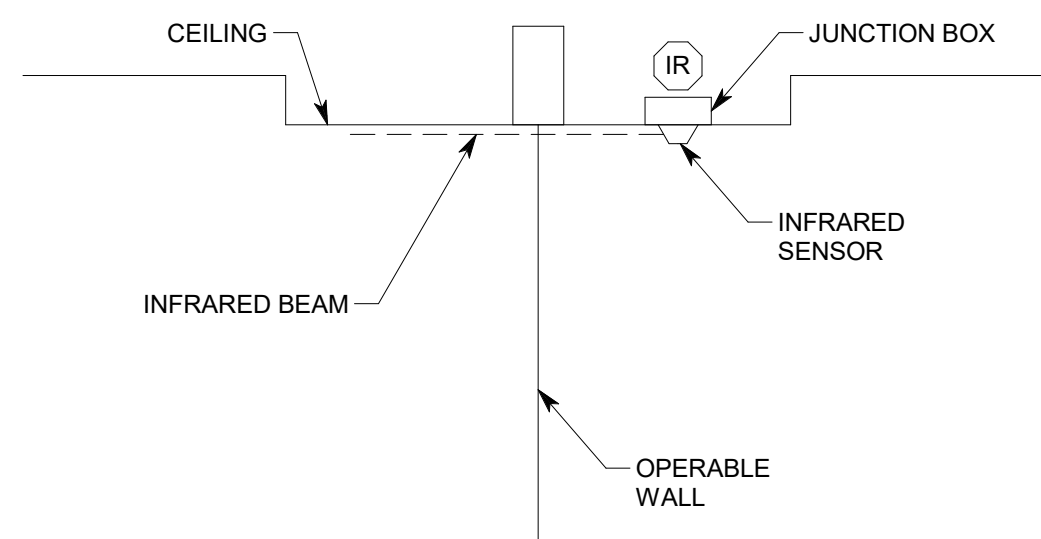


B2 AV SYSTEMS RACEWAY RISER DIAGRAM - CLASSROOMS 134/135/136
NO SCALE

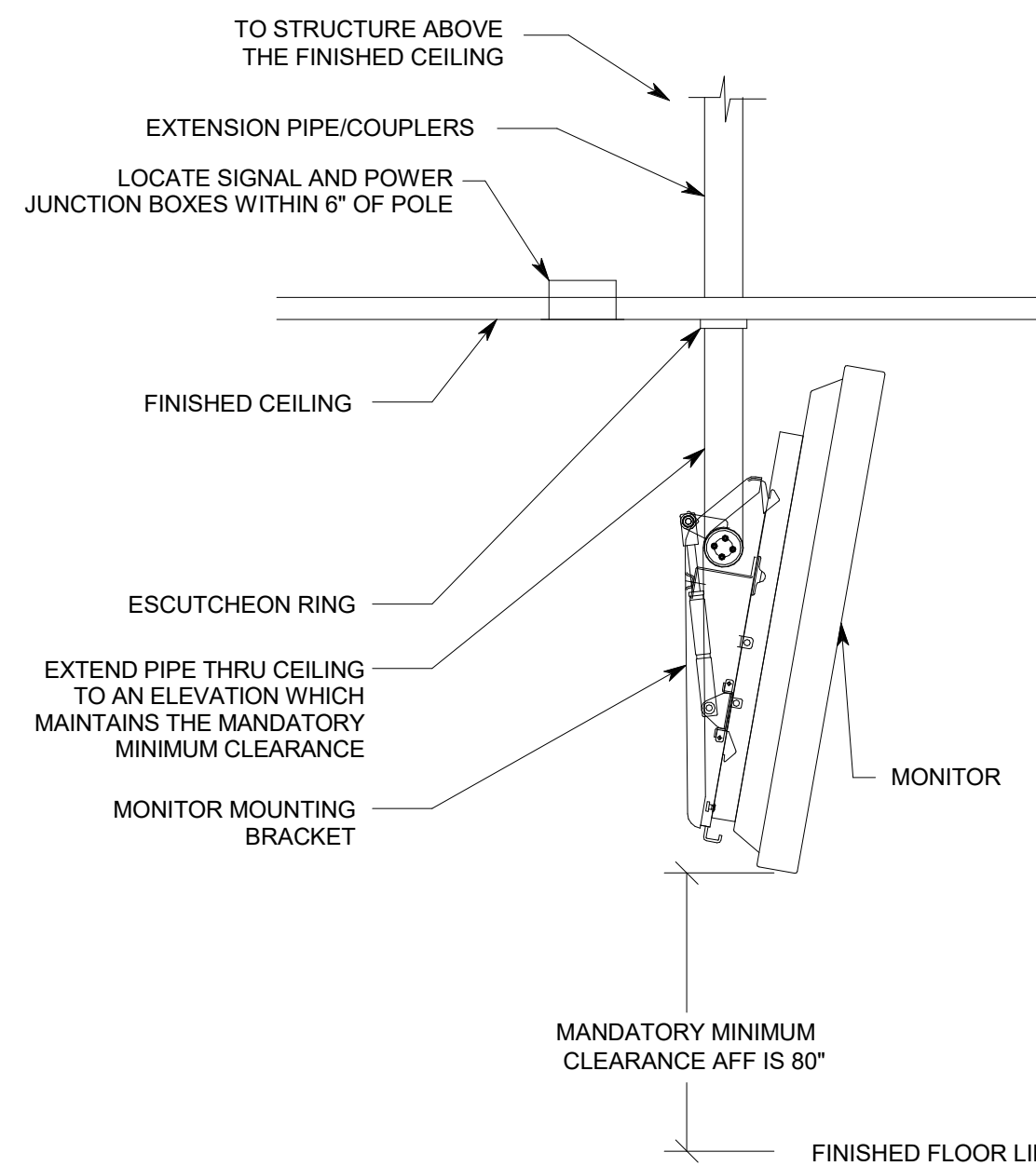


B4 AV SYSTEMS RACEWAY RISER DIAGRAM - WORK ROOMS 123, 157 AND DXC OPEN OFFICE 151
NO SCALE

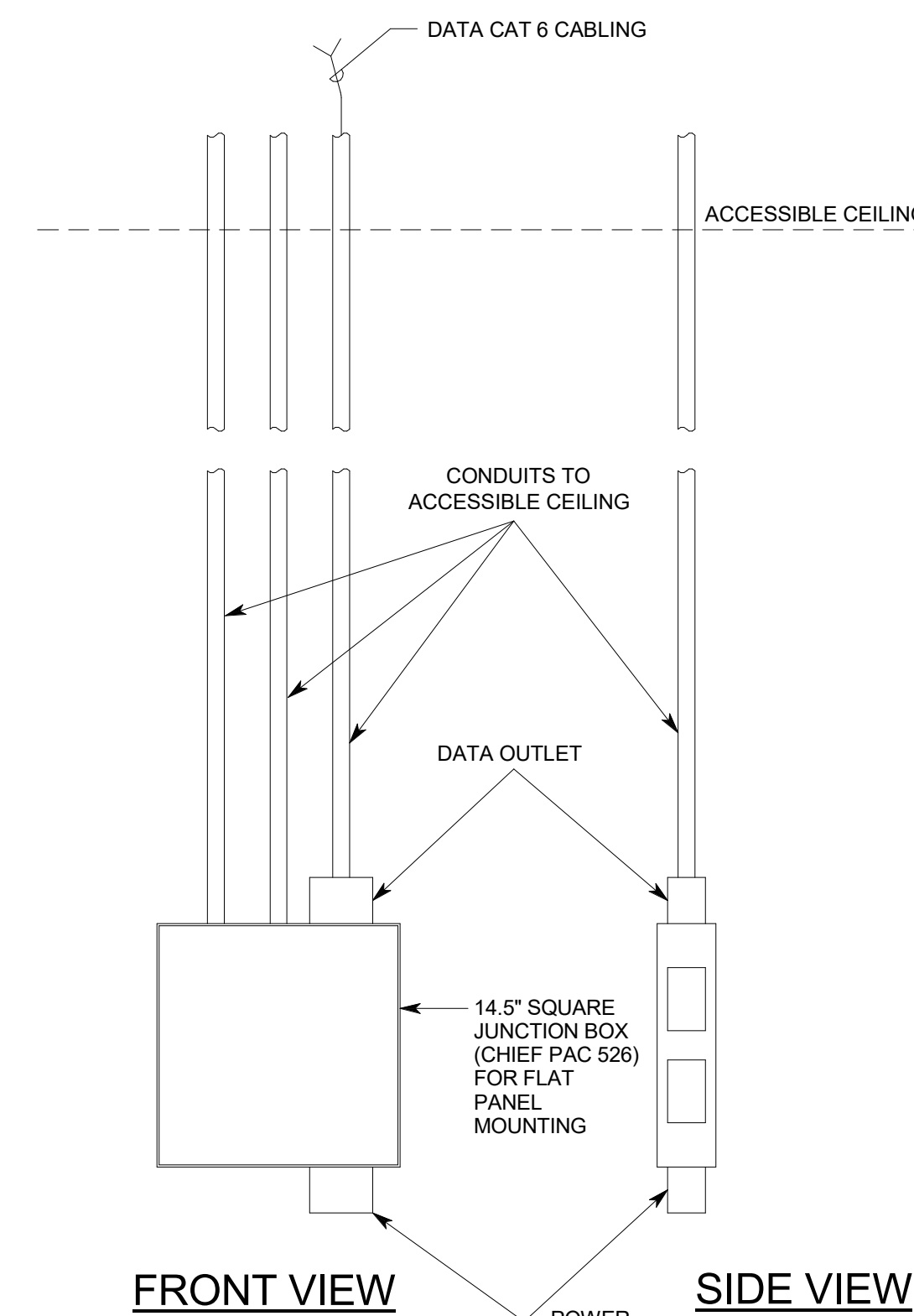
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C2 INFRARED SENSOR DETAIL
NO SCALE

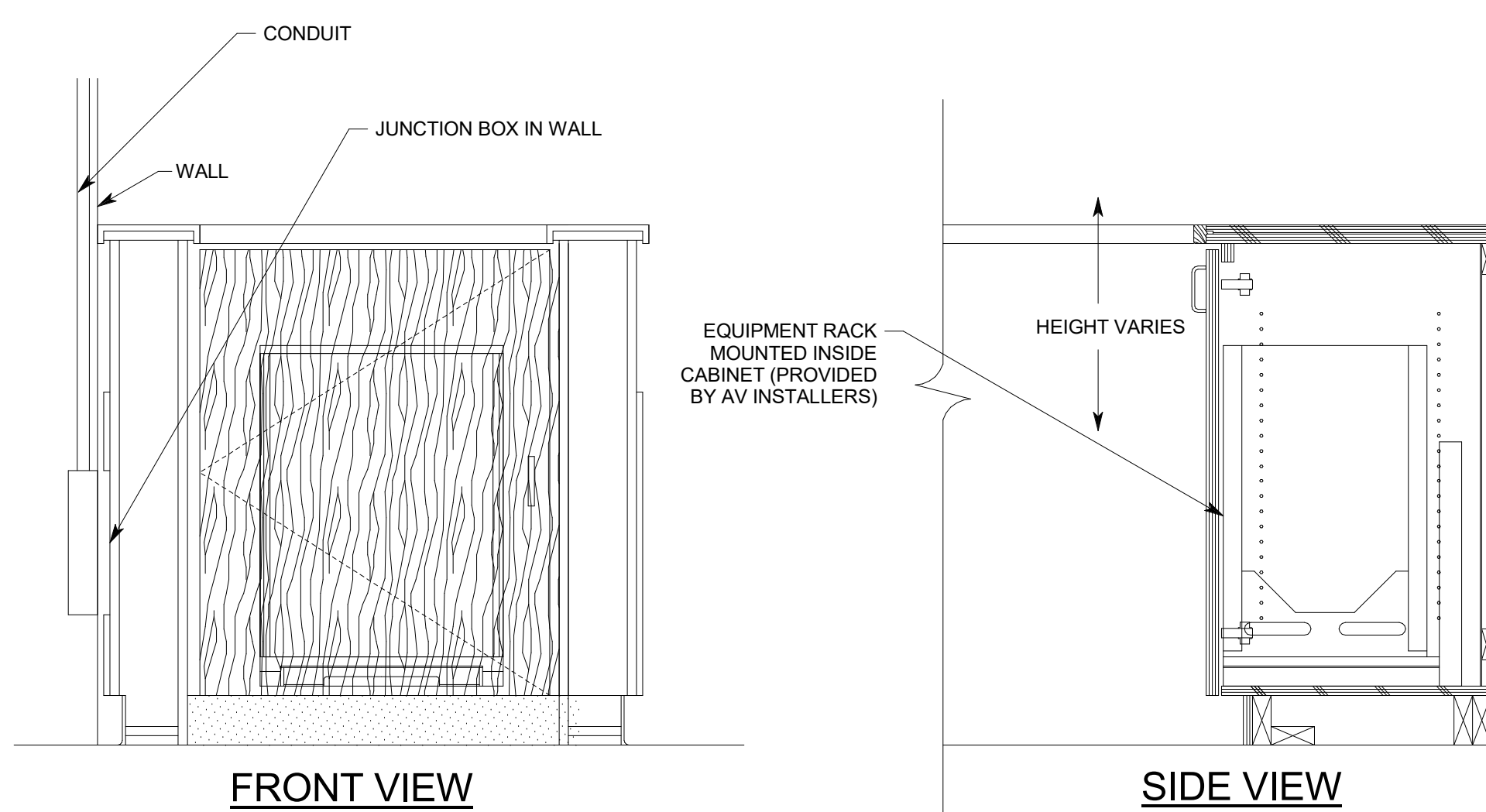


D3 CEILING/POLE MOUNTED FLAT PANEL DETAIL
NO SCALE

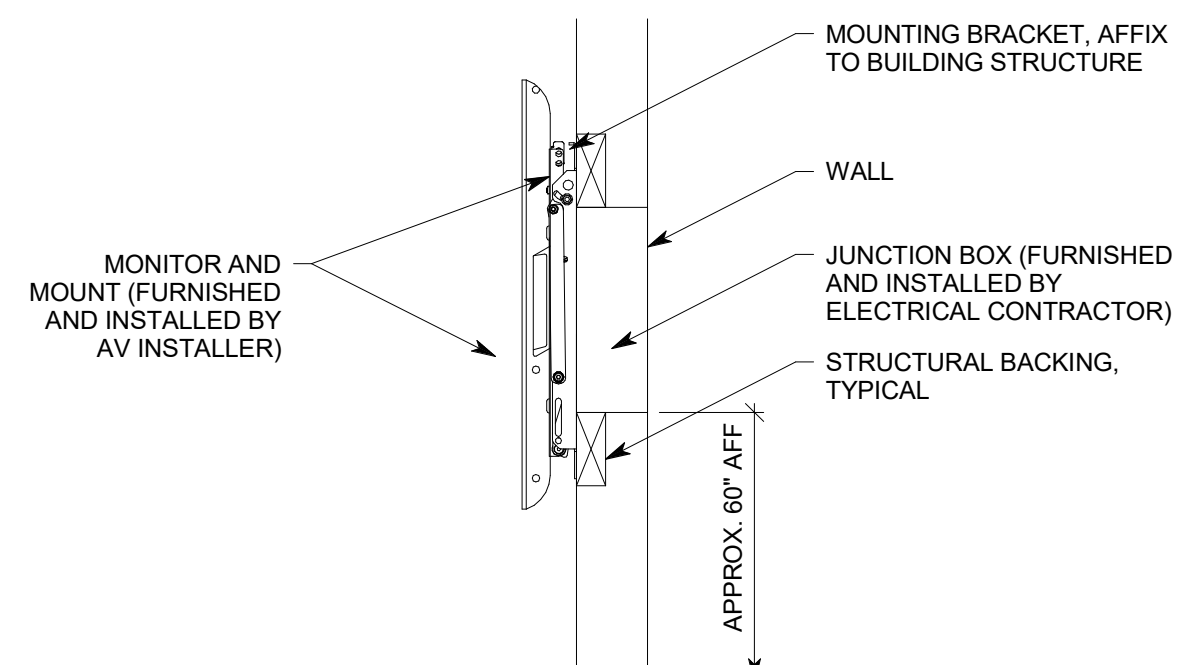


D4 FLAT PANEL WIRING DETAIL
NO SCALE

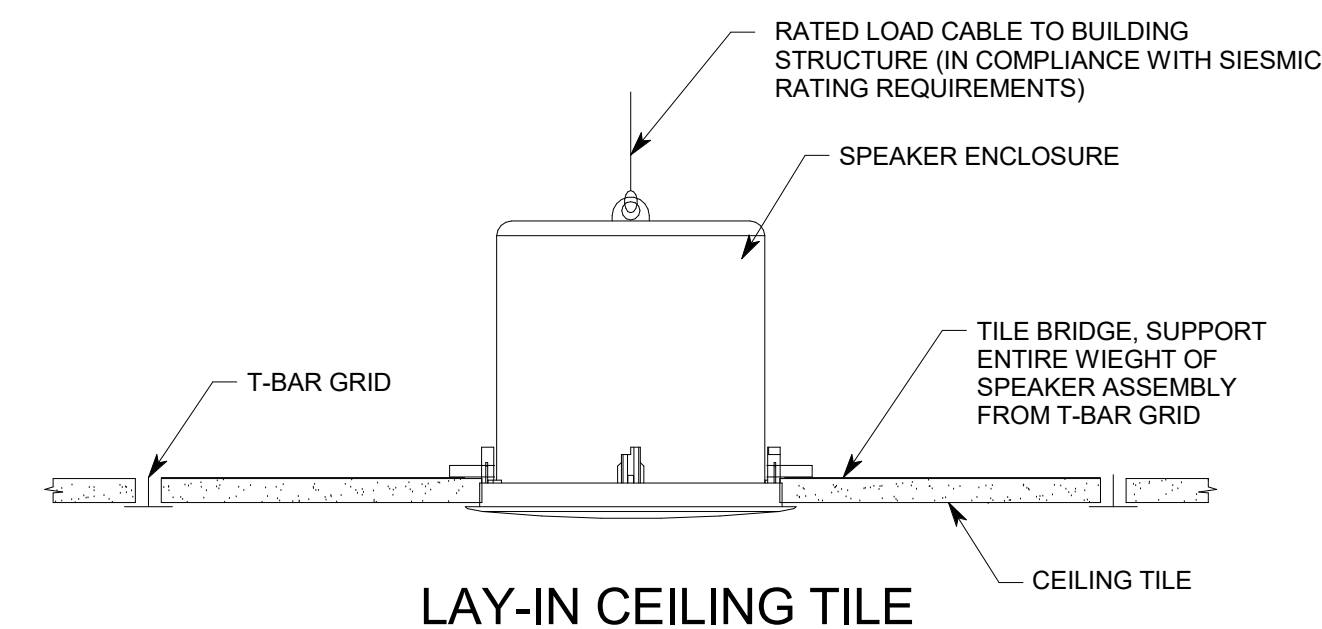
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E1 EQUIPMENT RACK (CREDENZA) MOUNTING DETAIL
NO SCALE

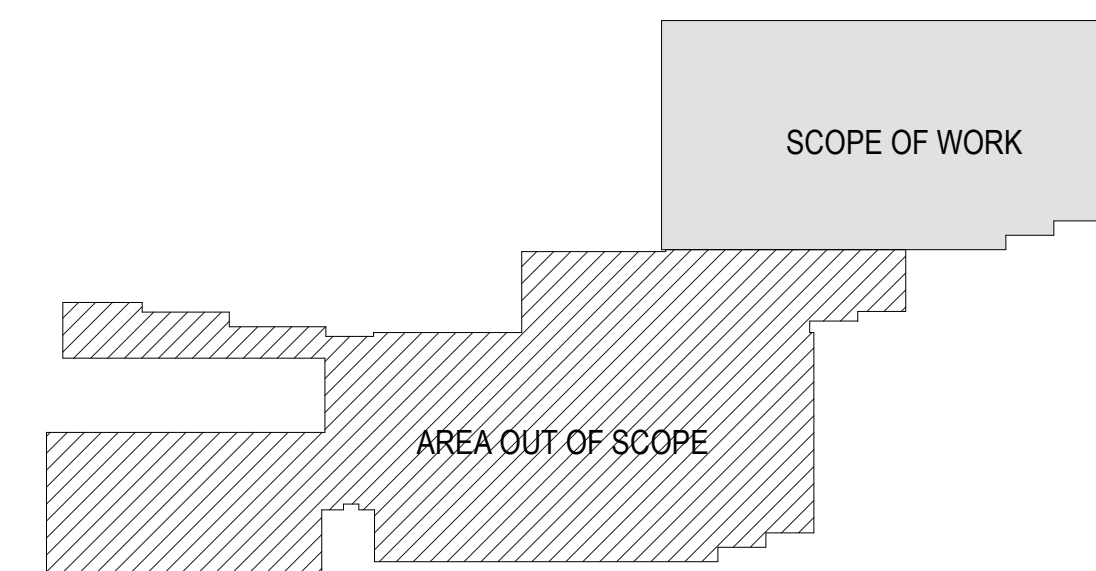


E3 FLAT PANEL INSTALLTION DETAIL
NO SCALE



E4 CEILING SPEAKER INSTALLATION DETAIL
NO SCALE

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	<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>
<p>SHEET DESCRIPTION: AV ROUGH-IN SCHEDULES</p>	<p>SHEET: EJ601</p>

SOUND MASKING SYSTEM EQUIPMENT LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE ELECTRONIC SYSTEMS INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	DESCRIPTION	QUANTITY	ACCEPTABLE TYPES
NG	MASKING NOISE GENERATOR, MULTI-CHANNEL W/ EQUALIZATION	1	ATLAS SOUND ASP-MG24 TDB
S _{1,2}	MASKING SPEAKER ASSEMBLY, UPWARD RADIATING W/ 8" SPEAKER, SUSPENSION CHAIN, AND ROTARY TAP SELECTION	OFF	ATLAS SOUND M1000, SEE DETAILS D17/M001 AND D37/M001
V	VOLUME CONTROL, 35 WATT, MOUNTED ON RACK PANEL	OFF	ATLAS-IED AT35D, LOWWELL DP8-ID-3, SEE DETAIL PANEL
PA	POWER AMPLIFIER, 2-CHANNEL, 70V, MINIMUM 200 WATTS PER CHANNEL	1	CROWN DCI 2-300, QSC-CX302V
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 20 AMP	1	TRIPP LITE IBAR12-20ULTRA
J-HOOKS	J-HOOKS	A/R	CADDY HILT1
S	SPEAKER CABLE, PLENUM RATED, 16AWG, TWISTED PAIR	A/R	BELDEN 6200UE, WEST PENN 2522B

A/R = AS REQUIRED OFF = OBTAIN FROM PLANS RMK = RACK MOUNT KIT

AUDIO AND VIDEO SYSTEM EQUIPMENT LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE ELECTRONIC SYSTEMS INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	DESCRIPTION	QUANTITY	ACCEPTABLE TYPES
WR	WIRELESS MICROPHONE SYSTEM WITH BODY WORN AND HANDHELD TRANSMITTER, LAVALIERS MICROPHONE	OFF	SHURE ULXD4 OR ULXD4D
WR2		4	ULXD2/SMB6 HANDHELD TRANSMITTER
WR2		4	ULXD1 BODYPACK TRANSMITTER AND WL183 LAPEL MIC
MIC	MICROPHONE, LECTERN, 18" GOOSENECK	OFF	SHURE MX418/C
TP	TABLE MOUNTED TOUCH SCREEN CONTROL PANEL, 10" PoE	OFF	CRESTRON TS-1070-B-S
MON	MONITOR LED 23", NATIVE RESOLUTION, 1920x1280, BLACK IN COLOR	OFF	NEC EX231W, HP Z231Xi, OR AS APPROVED
	LECTERN, MULTIMEDIA W/ FRONT DOORS, REMOVABLE BACK, AND SIDE SHELF, FIXED (NO CASTERS)	2	DWI ENTERPRISES DM408E.2, W/ EXTRON CABLE CUBBY 500, AND EQUIPMENT AS DETAILED, ARCHITECT TO SELECT FINISH
	CREDENZA EQUIPMENT RACK, 1-BAY	OFF	MIDDLE ATLANTIC C5 ARCHITECT TO SELECT STYLE AND FINISH
CRX	CAMERA AND CAMERA CONTROL UNIT, PTZ, TP CONNECTIVITY, 20X ZOOM	OFF	VADDIO ROBOSHOT 20 UHD 999-9950-000 W/ ONELINK INTERFACE AND CEILING MOUNT
M	CEILING MICROPHONE, STEARABLE, DANTE	OFF	SHURE MXA910W
ASP1	AUDIO DIGITAL SIGNAL PROCESSOR, OPEN ARCHITECTURE W/ AEC	OFF	QSC QSYS CORE 110F WITH DANTE
STB	DISH/CABLE SUPPLIER SET TOP BOX	OFF	
AVB	AUDIO-VIDEO TO USB BRIDGE	OFF	VADDIO AV BRIDGE 999-8210-000
ALS	ASSISTED LISTENING SYSTEM, W/FI & RF	OFF	LISTEN LCS-120-01
IR	INFRARED DOOR POSITION SENSOR	OFF	CRESTRON GLS-PART-CN
ASP2	AUDIO DIGITAL SIGNAL PROCESSOR, 2X2 W/ DANTE AND USP	OFF	SHURE INTELLIMX P300
S	SPEAKER, 6.5", CEILING MOUNTED, W/ GRILLE AND TILE RAILS	OFF	COMMUNITY D6 W/ REQUIRED ACCESSORIES
NS	NETWORK SWITCH, POE, GIGABIT, MANAGED, PoE+	A/R	CISCO SG350 SERIES WITH APPROPRIATE PORT QUANTITY
CP1	TWISTED PAIR DIGITAL VIDEO TRANSMITTER/RECEIVER PAIR IN, W/ MOUNTING HARDWARE	OFF	CRESTRON HD-MD-K4-200-1G-W KIT
DRX1		OFF	
DTX	TWISTED PAIR DIGITAL VIDEO TRANSMITTER/RECEIVER PAIR IN, W/ MOUNTING HARDWARE	OFF	CRESTRON HD-MD-K4-400 KIT
DRX2		OFF	
USTX	TWISTED PAIR USB TRANSMITTER/RECEIVER PAIR, W/ MOUNTING HARDWARE, USB 3.2	OFF	ICRON USB 3-2-1 STARLING 3251C
USRX		OFF	
USW	USB SWITCHER, 2X1, USB 3.2	OFF	EXTRON SW2 USB PRO
	POWER AMPLIFIER, 70V, MONO, 50 WATT	OFF	CRESTRON AMP-X75
	CONNECTION PANEL 2	OFF	PLATE W/ CUSTOM CONNECTIONS AND ENGRAVING AS DETAILED, SEE DETAILS ON SHEET TA01.
CP2	CONTROL SYSTEM PROCESSOR, W/ RELAY AND CRESNET CONNECTIONS	OFF	CRESTRON CP4
CS		OFF	
M55	FLAT PANEL DISPLAY, 55", LCD, 4K FIXED WALL MOUNT, LANDSCAPE	OFF	SEE NOTE #6, SHEET EJ101 CHIEF MSTU W/ ALL NECESSARY ACCESSORIES, INCLUDING CAMERA SHELF
M65	FLAT PANEL DISPLAY, 65", LCD, 4K FIXED WALL MOUNT, LANDSCAPE	OFF	LG65UT640S, OR AS APPROVED CHIEF TS318T W/ ALL NECESSARY ACCESSORIES, INCLUDING CPU MOUNT
M65	FLAT PANEL DISPLAY, 65", LCD, 4K CEILING MOUNT	OFF	LG65UT640S, OR AS APPROVED CHIEF LCM1U W/ ALL NECESSARY ACCESSORIES
M86	FLAT PANEL DISPLAY, 86", LCD, 4K FIXED WALL MOUNT, LANDSCAPE	OFF	LG 86UT640S, OR AS APPROVED CHIEF LTM1U W/ ALL NECESSARY ACCESSORIES
CPU	SMALL FORMAT COMPUTER, OWNER FURNISHED AND INSTALLED	0	AV INSTALLER TO CONNECT CPU TO AV SYSTEM
	CONNECTORS, SEE NOTE 5	A/R	
	POWER SUPPLIES, MISC. TRANSFORMERS, SIGNAL SENSORS, PROTOCOL CONVERTERS, SEE NOTES 4, 7, 8	A/R	
	PATCH CORDS, SEE NOTE 6	A/R	
	ADAPTER CABLES, SEE NOTE 9	A/R	
	CABLE, SEE AUDIO-VIDEO SYSTEMS CABLE SCHEDULE	A/R	
	HDMI CONNECTOR SUPPORT BRACKETS	A/R	EXTRON LOOKIT
	NYLON BRAIDED EXPANDABLE SLEEVING	A/R	TECH FLEX FLEXO PET
TXC	TRANSCODER CHASIS ENCODER MODULES DECODER MODULES	OFF	CRESTRON DMF-CI-8 W/ CRESTRON DM-NVX-E30C CRESTRON DM-NVX-D30C
IPTX	NETWORK VIDEO ENCODER	OFF	CRESTRON DM-NVX-352
IPRX	NETWORK VIDEO ENCODER	OFF	CRESTRON DM-NVX-D30
SC	STREAMING VIDEO CONTROLLER	OFF	CRESTRON DM-XIO DIR-80
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR AT MONITORS	OFF	SURGEX SA82 OR TRIPP LITE ISOBAR8
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 20 AMP, RACK MOUNT	OFF	TRIPP LITE IBAR12-20ULTRA

A/R = AS REQUIRED, OFF = OBTAIN FROM PLANS, OFCI = OWNER FURNISHED CONTRACTOR INSTALLED

AV SYSTEMS SHEET INDEX

TA001	AV SYSTEMS SCHEDULES AND NOTES
TA001	AV SYSTEMS CONNECTION PANEL DETAILS
TA001	AUDIO VISUAL SYSTEMS SCHEDULES

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS. OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

"A"	AMP OR AMPS	"IG"	INSULATED GROUND
"ADJ"	ADJACENT	"IMC"	INTERMEDIATE METAL CND
"AFF"	ABOVE FINISHED FLOOR	"IHS"	INSULATED/ISOLATED
"AL"	ALUMINUM	"KVA"	KILO VOLT AMPERES
"C"	CONDUIT	"KW"	KILOWATTS
"CB," "CB"	CIRCUIT BREAKER	"LFMC"	LIQUID TIGHT FLEXIBLE METAL CONDUIT
"CKT"	CIRCUIT	"LFNC"	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
"CO"	CONVENIENCE OUTLET	"MCA"	MINIMUM CIRCUIT AMPS
"C.O.R."	CONTRACTING OFFICER'S REPRESENTATIVE	"MLO"	MAIN LUGS ONLY
"CU"	COPPER	"N.C."	NORMALLY CLOSED
"EA"	EACH	"N.I.C."	NOT IN CONTRACT
"ELEC"	ELECTRICAL	"N.O."	NORMALLY OPEN
"EM"	EMERGENCY	"O.C."	ON CENTER
"EMT"	ELECTRICAL METALLIC TUBING	"OCP"	OVER CURRENT PROTECTION
"ENT"	ELECTRICAL NONMETALLIC TUBING	"QTY"	QUANTITY
"EQUIP"	EQUIPMENT	"R"	REMOVE
"EX"	EXISTING	"RMC"	RIGID METAL CONDUIT
"FA"	FIRE ALARM	"RNC"	RIGID NONMETALLIC CONDUIT
"FACP"	FIRE ALARM CONTROL PANEL	"RR"	REMOVE AND RELOCATE
"FLA"	FULL LOAD AMPS	"TYP"	TYPICAL
"FMC"	FLEXIBLE METAL CONDUIT	"UF"	UNDER FLOOR
"F.O.B."	FREIGHT ON BOARD	"UG"	UNDER GROUND
"GFI"	GROUND FAULT INTERRUPTER	"W"	WITH
"GR"	GROUND	"WP"	WEATHER PROOF
"HCA"	HAND-OFF-AUTO	"XFM"	TRANSFORMER
"HP"	HORSE POWER		

GENERAL AUDIO-VIDEO SYSTEMS NOTES

- CONDUCT AN RF FREQUENCY AUDIT OF THE SITE PRIOR TO SELECTION OF WIRELESS RF OPERATING FREQUENCIES. SELECT FREQUENCIES TO ASSURE INTERFERENCE FREE OPERATION. INSTALL ANTENNAS TRANCEIVERS OUTSIDE OF THE EQUIPMENT RACK, AT AN ARCHITECT APPROVED LOCATION, WHERE THE BEST SYSTEM PERFORMANCE IS ACHIEVED.
- FILL ALL UNUSED RACK SPACE WITH BLANK/VENT PANELS.
- INSTALL/SUSPEND ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS, SEISMIC SPECIFICATION SECTION, AND INDUSTRY WIDE ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM STRUCTURE ABOVE CEILING. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
- PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES AND/OR TRANSFORMERS FOR ALL SPECIFIED EQUIPMENT.
- FURNISH AND INSTALL ALL CABLE AND CONNECTORS REQUIRED FOR ALL AUDIO AND VIDEO SYSTEMS TO COMPLETE MANUFACTURER RECOMMENDED CABLE TO EQUIPMENT TERMINATION TO FORM A COMPLETE AND FULLY FUNCTIONAL SYSTEM AS SHOWN. SELECT CONNECTORS WHICH PASS FULL BANDWIDTH CAPABILITY OF SPECIFIED CABLE. PROVIDE CABLE TYPES AS IDENTIFIED IN THE AUDIO/VIDEO CABLE SCHEDULE.
- PROVIDE PATCH CABLES TO FULLY INTERCONNECT ALL SPECIFIED AND/OR OWNER FURNISHED EQUIPMENT WITH THE SPECIFIED CONNECTION PANELS, SYSTEM INTERFACES, AND MISCELLANEOUS EQUIPMENT.
- PROVIDE MANUFACTURER RECOMMENDED, AND INDUSTRY STANDARD, SIGNAL LEVELS AND COMMUNICATION PROTOCOLS THROUGHOUT ENTIRE SYSTEM REGARDLESS OF CABLE LENGTHS. PROVIDE ALL REQUIRED DISTRIBUTION AND PROCESSING EQUIPMENT, INCLUDING BUT NOT LIMITED TO SIGNAL DISTRIBUTION AMPLIFIERS, LINE AMPLIFIERS, LINE DRIVERS, EQUALIZING AMPLIFIERS, GROUND/HUM ISOLATORS, MATCHING/SOLATION TRANSFORMERS, CONTROL BUS DEVICES, COMMUNICATIONS CONVERTERS, ETC... WHETHER SHOWN IN THE SINGLE LINE DIAGRAMS OR NOT.
- PROVIDE POWER, CURRENT, AND/OR SIGNAL SENSORS FOR ALL EQUIPMENT WHERE IT IS NECESSARY FOR CORRECT CONTROL SYSTEM OPERATION.
- PROVIDE PRE-MANUFACTURED ADAPTER CABLES WHERE REQUIRED FOR MATING CABLE TO CONNECTORS. THESE WILL INCLUDE, BUT ARE NOT LIMITED TO, ADAPTERS WHICH MATE DVI OR DISPLAY PORT TO HDMI, STEREO AUDIO TO MONO AUDIO, CONNECTORS, AND OTHER SIMILAR TERMINATION AND MATING REQUIREMENTS.
- PROVIDE RACK MOUNT KITS FOR ALL RACK MOUNTED EQUIPMENT. WHERE MANUFACTURERS DO NOT PROVIDE RACK MOUNT KITS, PROVIDE CUSTOM RACK MOUNT KITS AS SPECIFIED.
- WHERE ANY CABLE IS INSTALLED IN A FASHION WHERE EXPOSED TO PUBLIC VIEW, INSTALL CABLE INSIDE THE SPECIFIED BRAIDED EXPANDABLE SLEEVING. EXAMPLES OF SUCH LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO EQUIPMENT ITEMS ON LECTERNS AND CEILING MOUNTED PROJECTORS.
- PROVIDE PERMANENT, MECHANICALLY PRODUCED LABELS ON ALL CABLES AT CONNECTORS AND TERMINATION POINTS.
- CONTROL SPECIFIED DEVICES UTILIZING THE MOST SOPHISTICATED COMMUNICATIONS PROTOCOL AVAILABLE ON THE DEVICE TO BE CONTROLLED. ALWAYS USE RS-232 OR ETHERNET WHEN AVAILABLE.
- COVER JUNCTION BOXES WITH NO SPECIFIED AV DEVICES WITH BLANK NYLON COVER PLATE. COLOR TO MATCH ELECTRICAL DEVICES.
- PROVIDE THE SPECIFIED ETHERNET NETWORK SWITCHES IN ALL CONTROL SYSTEMS WHERE REQUIRED TO COMPLY WITH THE CONTROL SYSTEM SINGLE LINE DIAGRAMS SHOWN IN THE DRAWINGS, AND THE PROGRAMMING OUTLINE. CONNECT EVERY CONTROL SYSTEM PROCESSOR, TO THE OWNER'S ETHERNET NETWORK AND COMPLY WITH ALL PROGRAMMING REQUIREMENTS.
- CONNECT ALL SPECIFIED AV EQUIPMENT TO 120 VAC VIA A SPECIFIED TRANSIENT VOLTAGE SURGE SUPPRESSOR INCLUDING ALL MONITORS AND PROJECTORS.
- SET EDID MINDERS FOR ALL EDID CAPABLE DEVICES TO A RESOLUTION DESIGNATED BY THE OWNER/DESIGNER DURING THE SYSTEM COMMISSIONING PROCESS.
- PROVIDE THE PLENUM RATED EQUIVALENT CABLE IF CABLE IS INSTALLED IN AN AIR PLENUM.
- VERY CAREFULLY SUPPORT THE WEIGHT OF ALL HDMI CABLES CONNECTED TO RACK MOUNTED EQUIPMENT USING LOCKIT CABLE LACING BRACKETS AND RACK MOUNTED LACING BARS. PROFESSIONALLY DRESS, LACE, AND STRAIN RELIEF CABLES SO THAT NO WEIGHT FROM INDIVIDUAL HDMI CABLES IS TRANSFERRED TO INDIVIDUAL HDMI CONNECTORS. INSTALL THE SPECIFIED HDMI CABLE LACING BRACKETS ON ALL HDMI CONNECTORS IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- SEE "EJ" SHEETS FOR AUDIO-VIDEO ROUGH-IN AND DEVICE LOCATIONS.

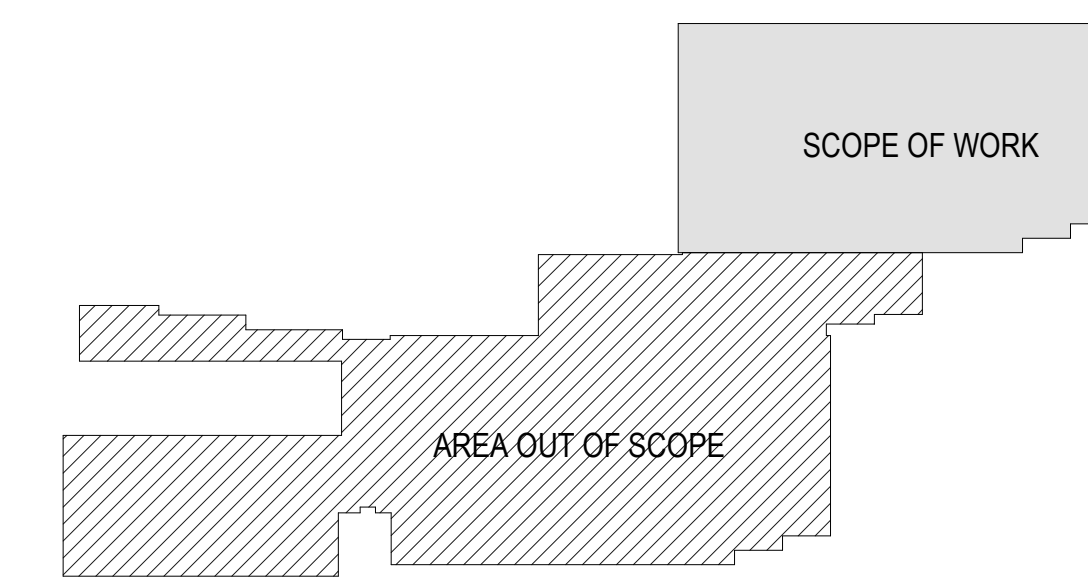
AUDIO-VIDEO SIGNAL TYPE ABBREVIATIONS SCHEDULE

ABBREVIATION	SIGNAL TYPE
AL	AUDIO, LEFT, (LINE LEVEL)
AR	AUDIO, RIGHT, (LINE LEVEL)
AA	ANALOG AUDIO
F	OPTICAL FIBER
V	VIDEO, COMPOSITE-STANDARD RESOLUTION ANALOG VIDEO
YC	S-VIDEO-STANDARD RESOLUTION ANALOG VIDEO
YUV	COMPONENT VIDEO-STANDARD RESOLUTION ANALOG VIDEO
RGBHV	RED, GREEN, BLUE, HORIZONTAL & VERTICAL SYNC-HIGH RESOLUTION ANALOG VIDEO
XGA/VGA	EXTENDED GRAPHICS ARRAY/VIDEO GRAPHICS ARRAY-HIGH RESOLUTION ANALOG VIDEO
DVI	DIGITAL VIDEO INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
HDMI	HIGH DEFINITION MULTIMEDIA INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
DP	DISPLAY PORT-HIGH RESOLUTION DIGITAL VIDEO
TP	TWISTED PAIR
IP	INTERNET PROTOCOL
SDI	SERIAL DIGITAL INTERFACE

AUDIO-VIDEO SYSTEMS CABLE SCHEDULE

CABLE TYPE	DESCRIPTION	ACCEPTABLE TYPES	SPECIAL INSTRUCTIONS
M	MICROPHONE CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/ DRAIN	BELDEN 82761 LIBERTY 22-IP-CMP-EZ-WHY WEST PENN D25454	NOTE 19
L	LINE LEVEL CABLE, 22 AWG, SHIELDED, TWISTED PAIR W/ DRAIN	BELDEN 82761 LIBERTY 22-IP-CMP-EZ-WHY WEST PENN D25454	NOTE 19
S	SPEAKER CABLE, 70 V, 16 AWG, TWISTED PAIR	WEST PENN 25225 LIBERTY 16-2C-TTP	NOTE 19
C	CONTROL CABLE, 24 AWG, 4 PAIR, OVERALL SHIELD	BELDEN 88104 WEST PENN D252404	NOTE 19
D	DATA CABLE, CATEGORY 6	BELDEN 2400 SERIES WEST PENN 254246	NOTE 19
P	DIGITAL VIDEO CABLE, TWISTED PAIR, SHIELDED	EXTRON XTP DTP 24	NOTE 19
H	HDMI CABLE	KRAMER CP-AOCHXL-XX	X=LENGTH NEEDED NOTE 19
X	RF CABLE, 50 OHM, COAXIAL, RG-59	WEST PENN 25812 BELDEN 89907	

MARK	REVISION	DATE



	233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT
	PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL	
PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL	4846 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120	SHEET: TA001
SHEET DESCRIPTION: AV SYSTEMS SCHEDULES AND NOTES		

1

2

3

4

5

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△	MARK	REVISION	DATE

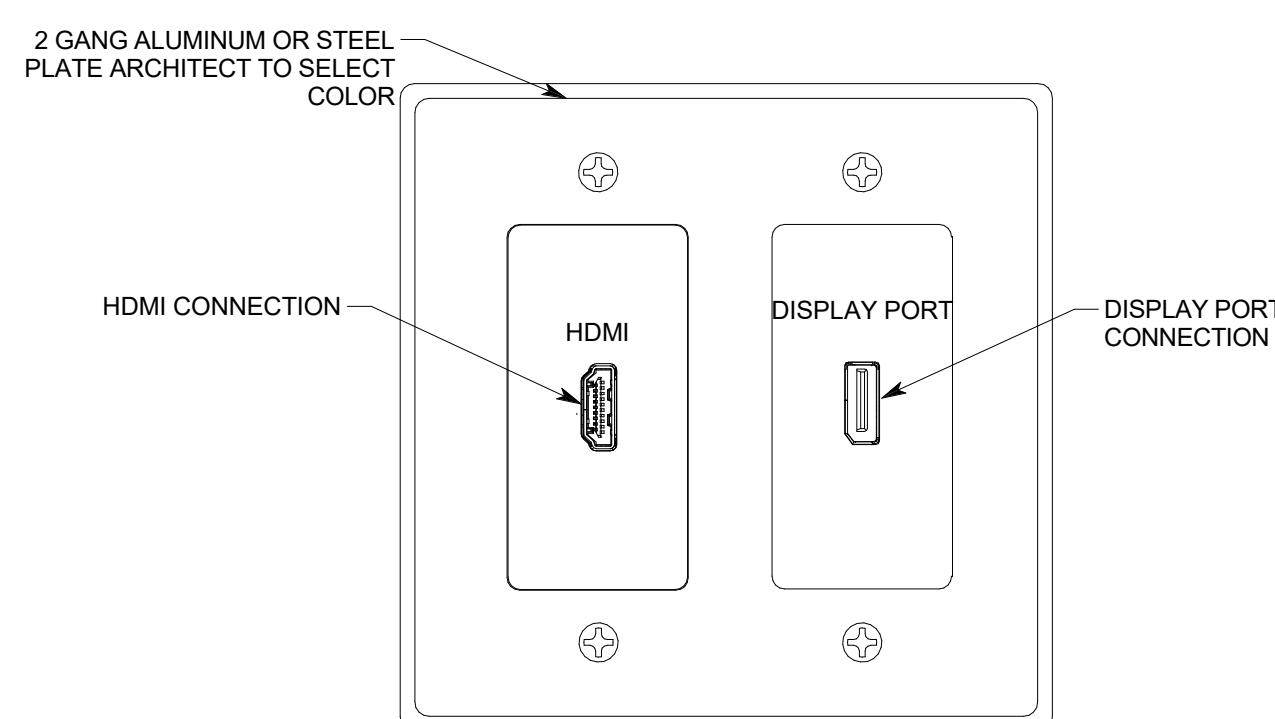
A

B

C

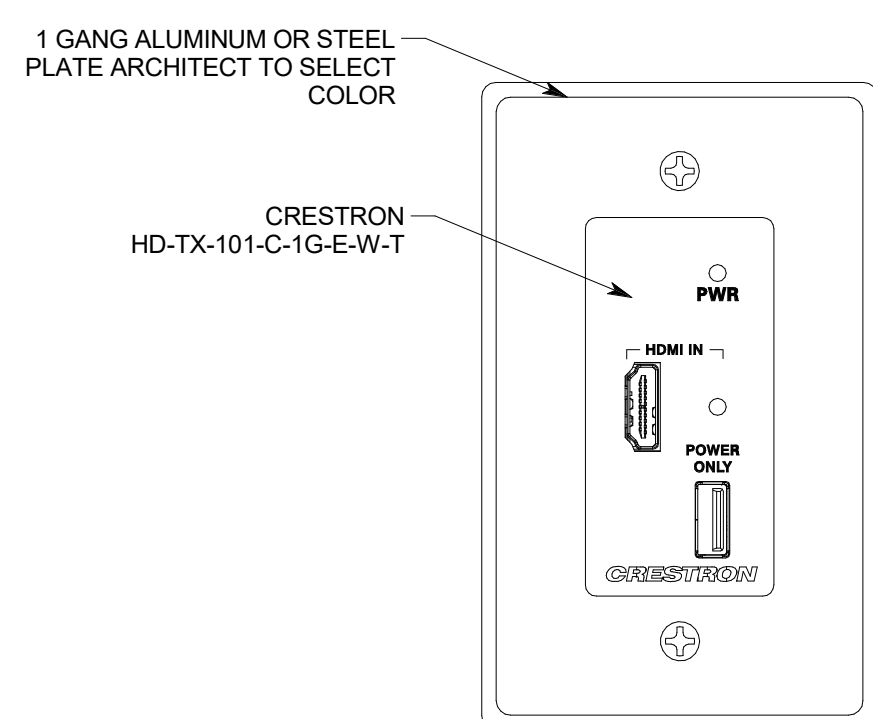
D

E



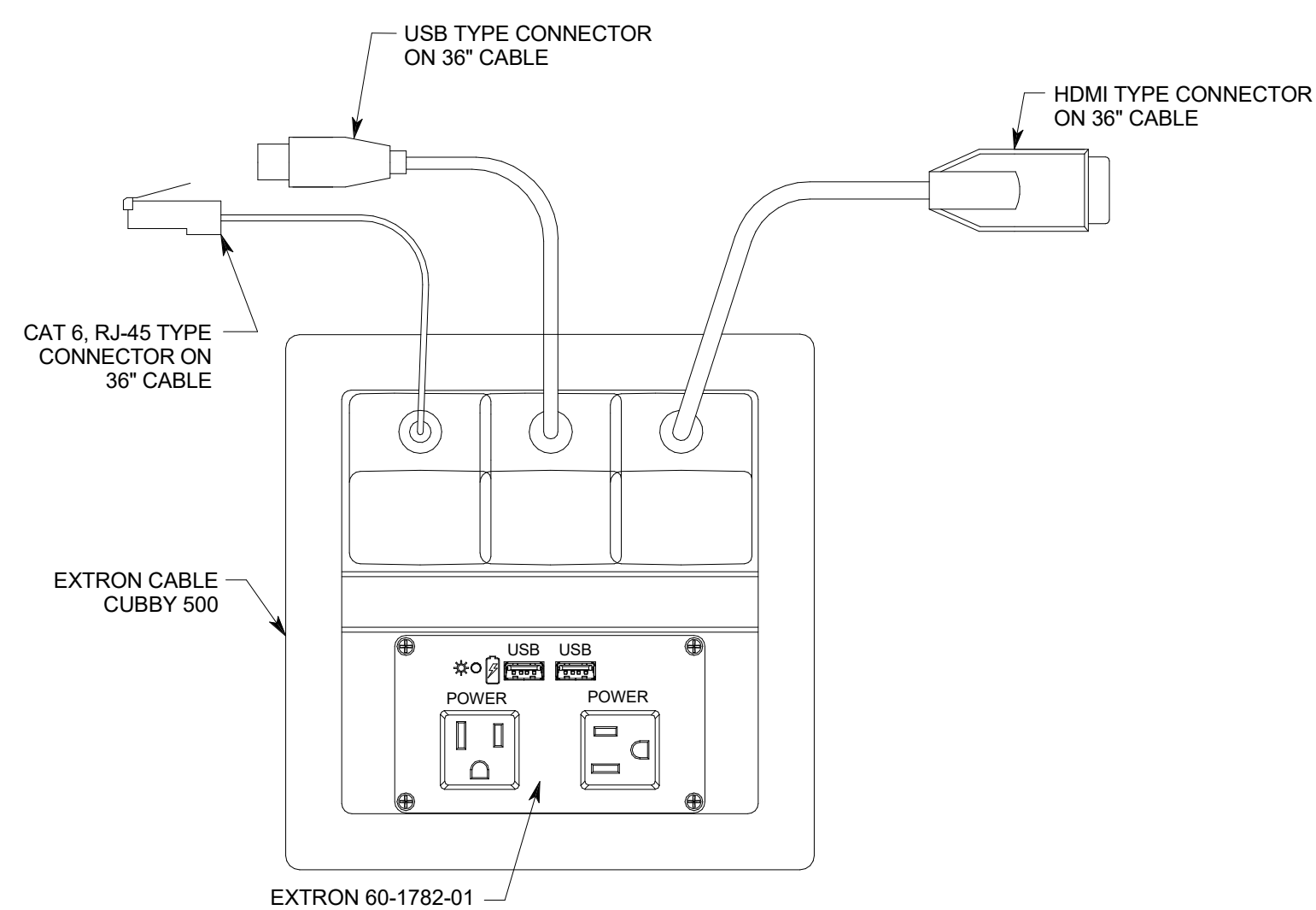
D1 CONNECTION PANEL #2 DETAIL
NO SCALE

CP2



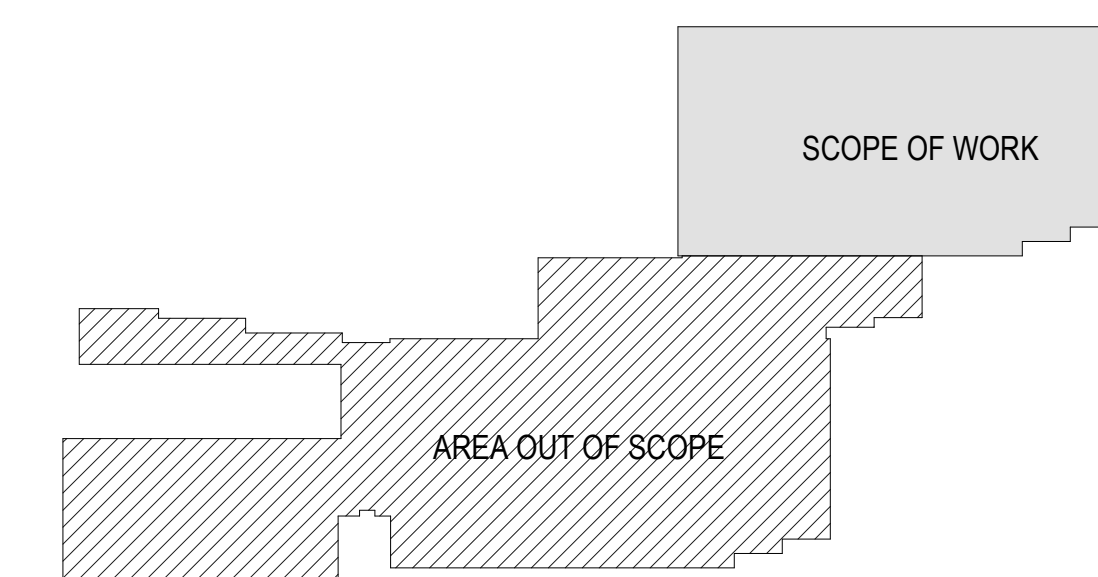
E1 CONNECTION PANEL #1 DETAIL
NTS

CP1



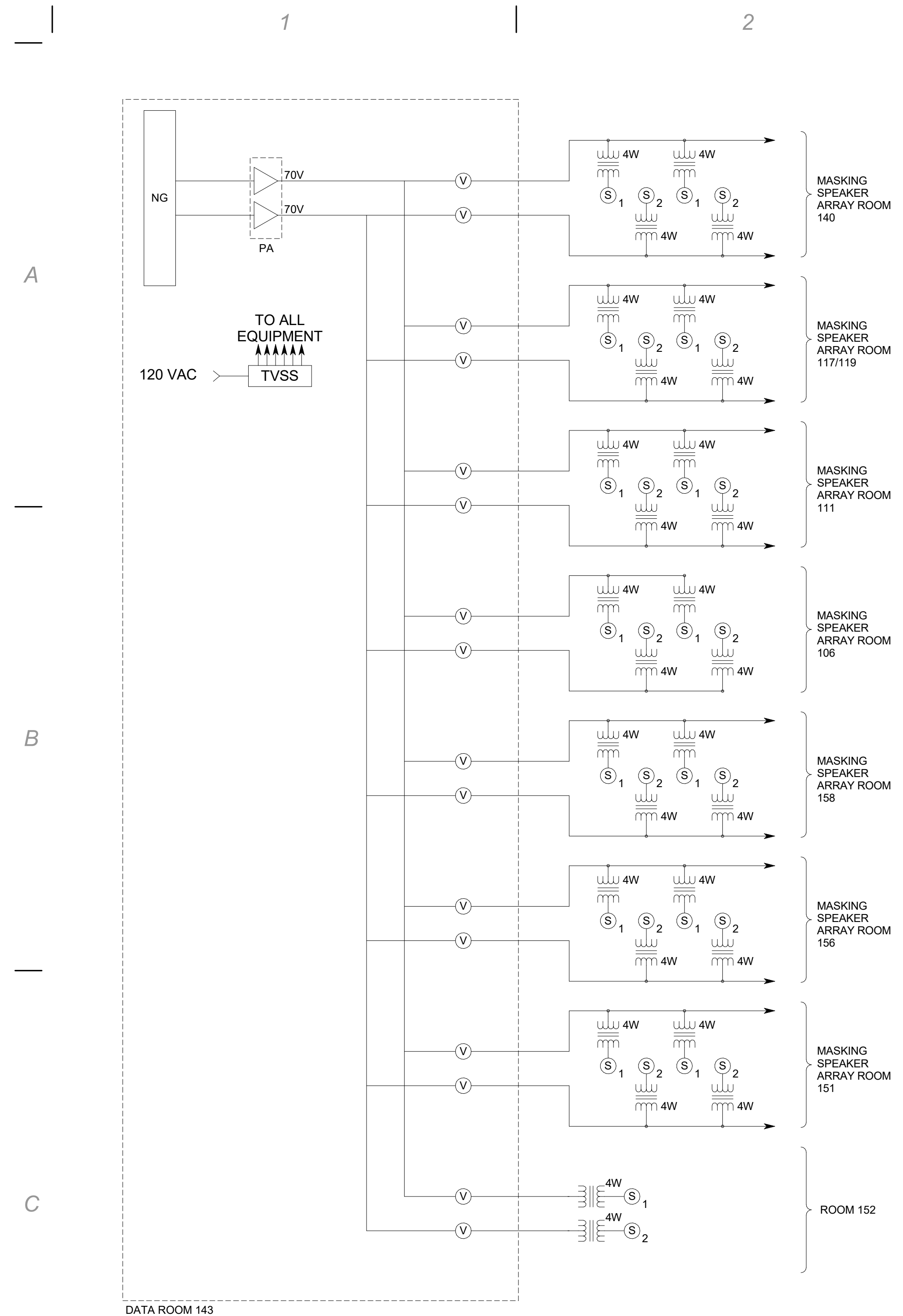
E3 LECTERN/CREDENZA CONNECTION PANEL #6 DETAIL
NO SCALE

SPECTRUM ENGINEERS
324 S. STATE ST., SUITE 400
SALT LAKE CITY, UT 84111
800-478-7077
801-328-5151
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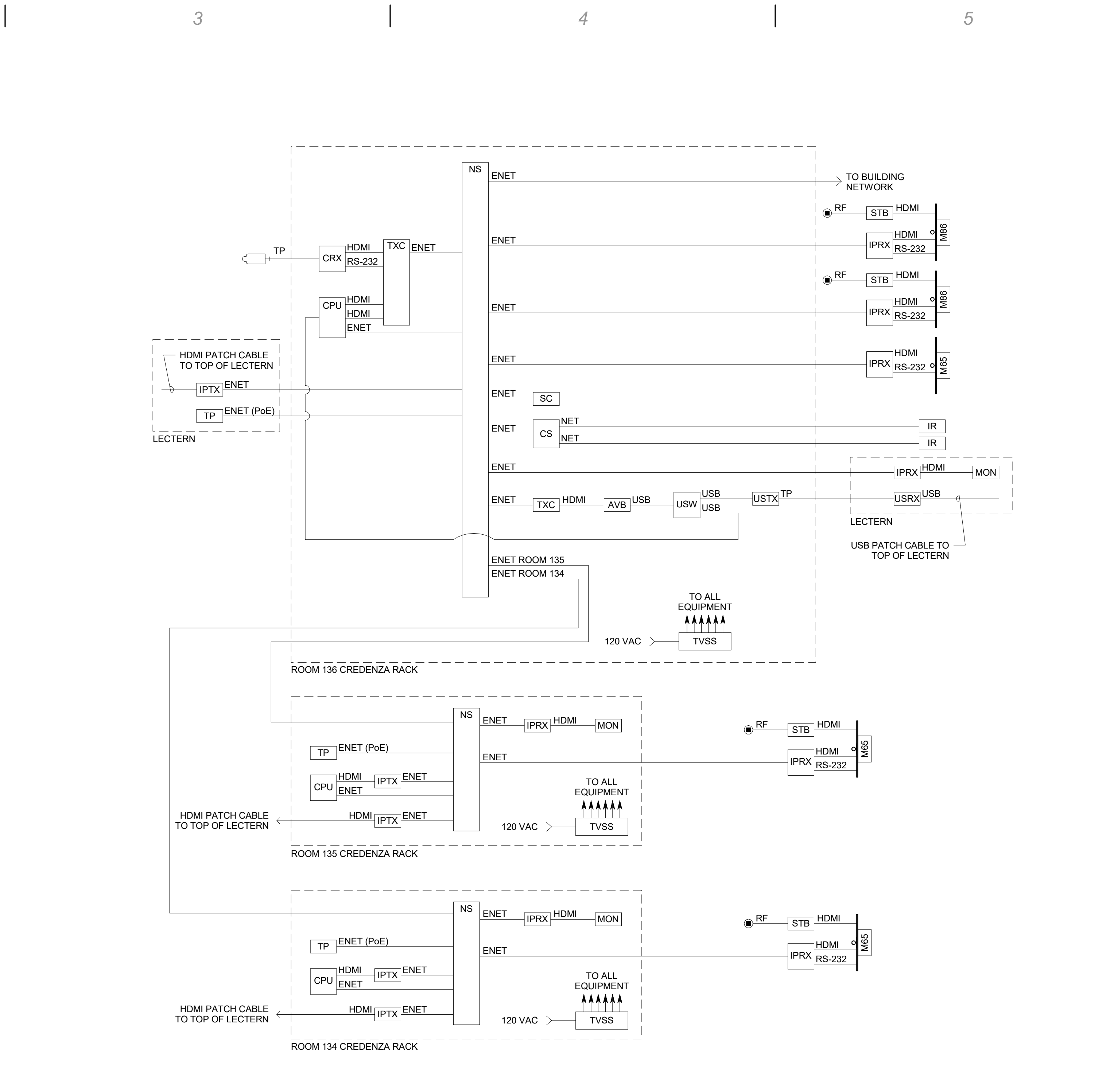


<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 19 APRIL 2022</p> <p>PROJECT #: 21-099</p> <p>PROJ. MAN.: JSJ</p> <p>CHECKED BY: GWT</p>
	<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>
<p>SHEET DESCRIPTION: AV SYSTEMS CONNECTION PANEL DETAILS</p>	<p>SHEET: TA501</p>

MARK	REVISION	DATE

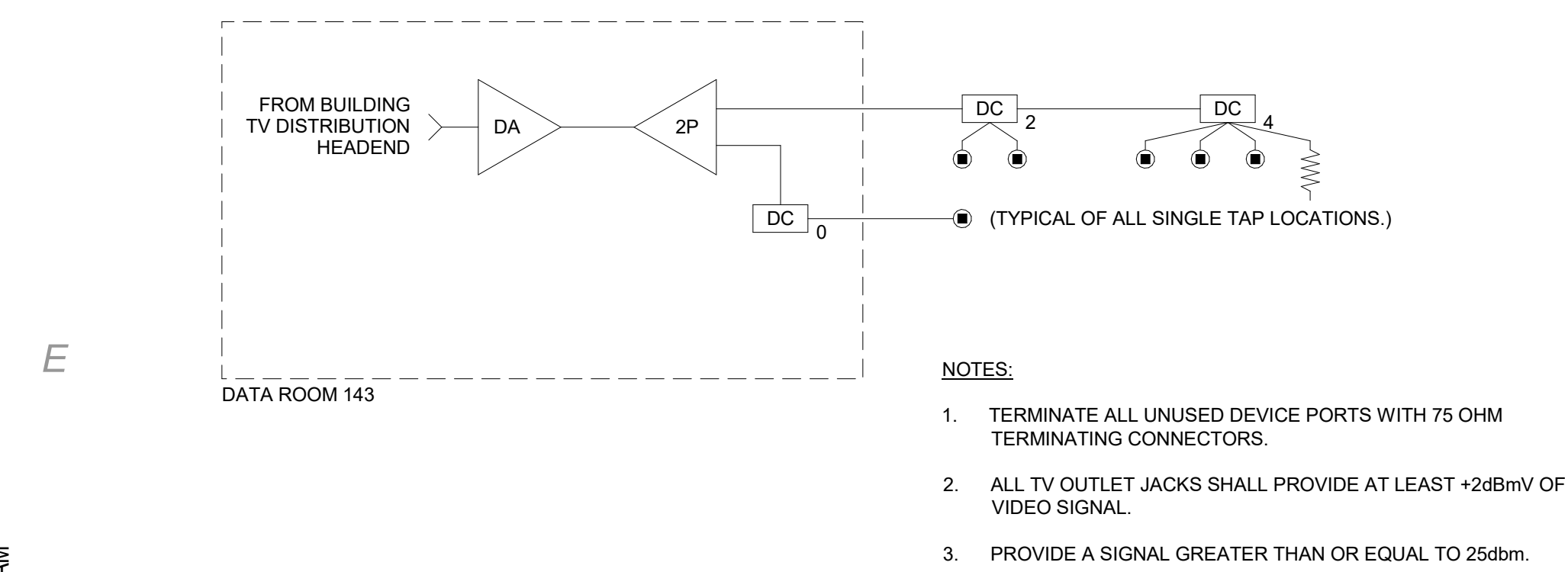


C1 SOUND MASKING SYSTEM RISER DIAGRAM
NTS

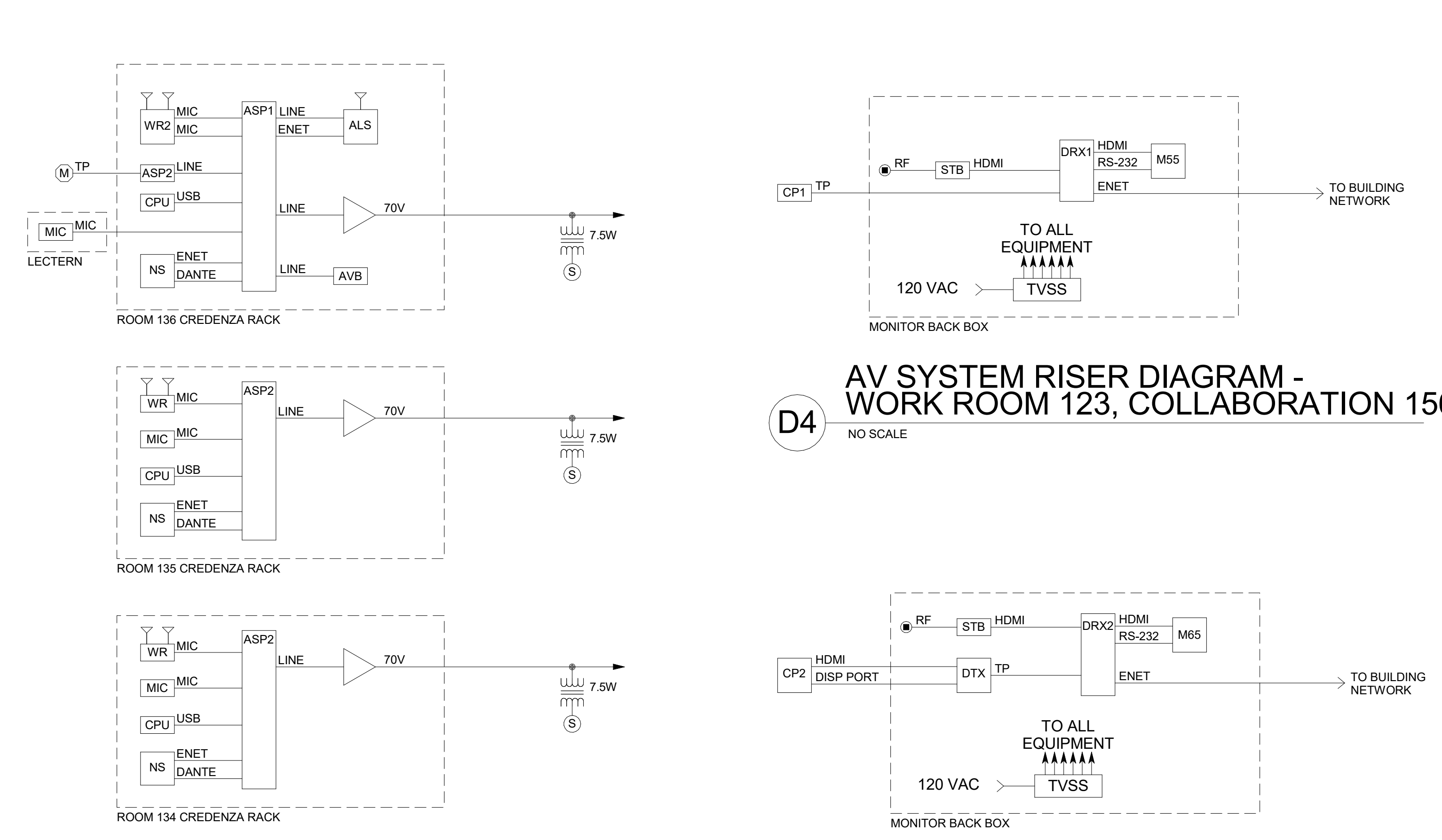


C3 CONTROL & VIDEO SYSTEM RISER DIAGRAM - CLASSROOM 134/135/136
NO SCALE

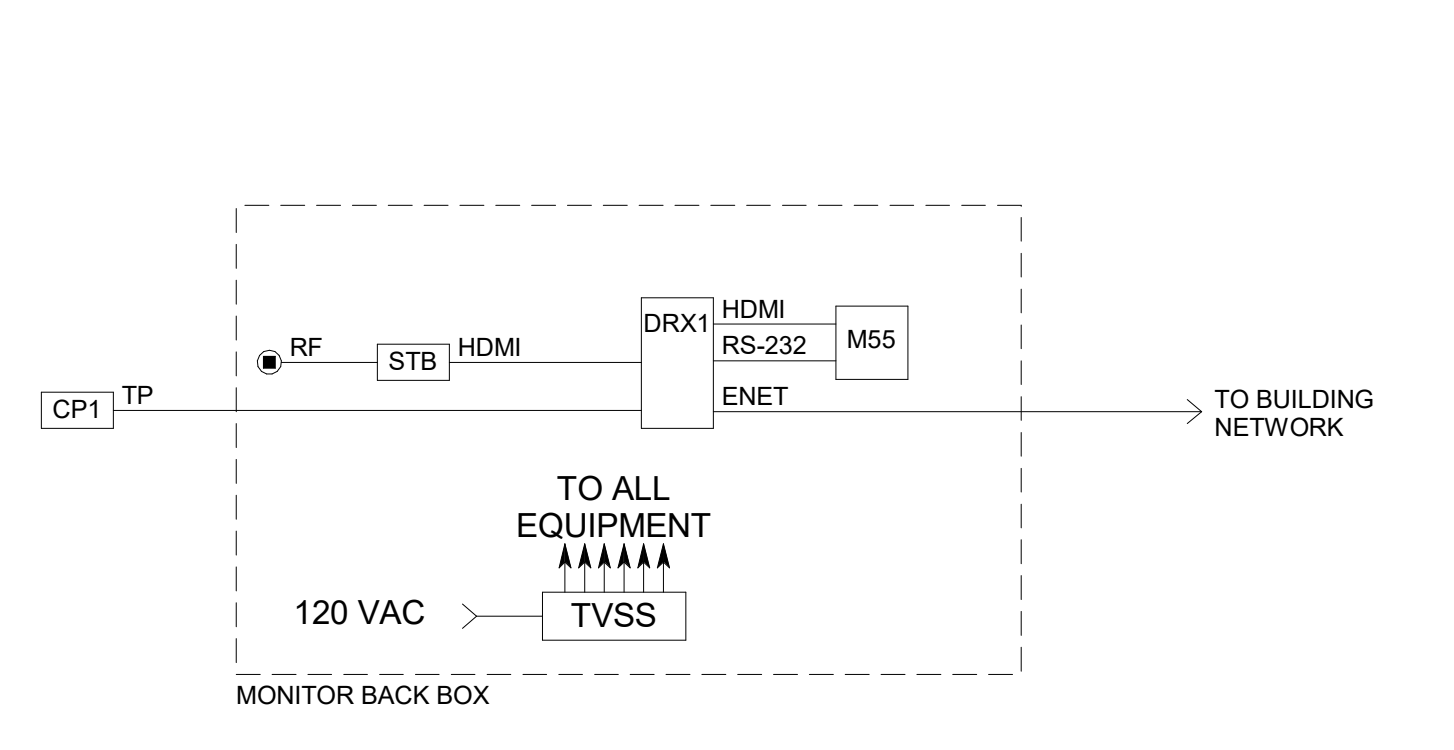
TV DISTRIBUTION EQUIPMENT LIST			
SYMBOL	DESCRIPTION	QTY	ACCEPTABLE TYPES
4P	MULTI-PORT SPLITTER	0FP	2-PORT BLONDER TONGUE SXRS-2 4-PORT BLONDER TONGUE SXRS-4
DA	BROADBAND AMPLIFIER	0FP	BLONDER TONGUE MUVB-25
DC X	DIRECTIONAL COUPLER (X = NUMBER OF PORTS)	0FP	BLONDER TONGUE SRT-4A, SRT-2A
WTP	WALL TAP PLATE	0FP	BLONDER TONGUE VERSATAP SERIES MODEL V-1GF-F1 W/ COVER PLATE
RT	RF TERMINATOR	AIR	75 OHM TERMINATOR
CD	COAXIAL CABLE, HORIZONTAL DROP	AIR	RG-6 (SEE SPECIFICATIONS)
CT	COAXIAL CABLE, TRUNK	AIR	RG-11 (SEE SPECIFICATIONS)



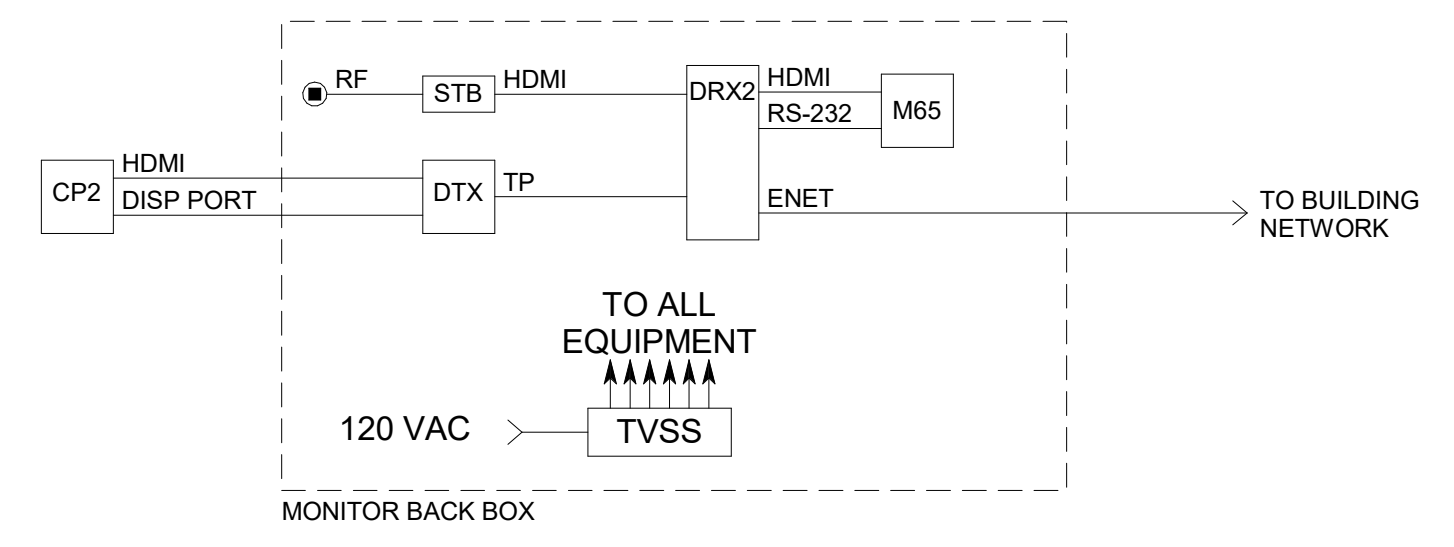
E1 TV DISTRIBUTION SYSTEM DIAGRAM
NO SCALE



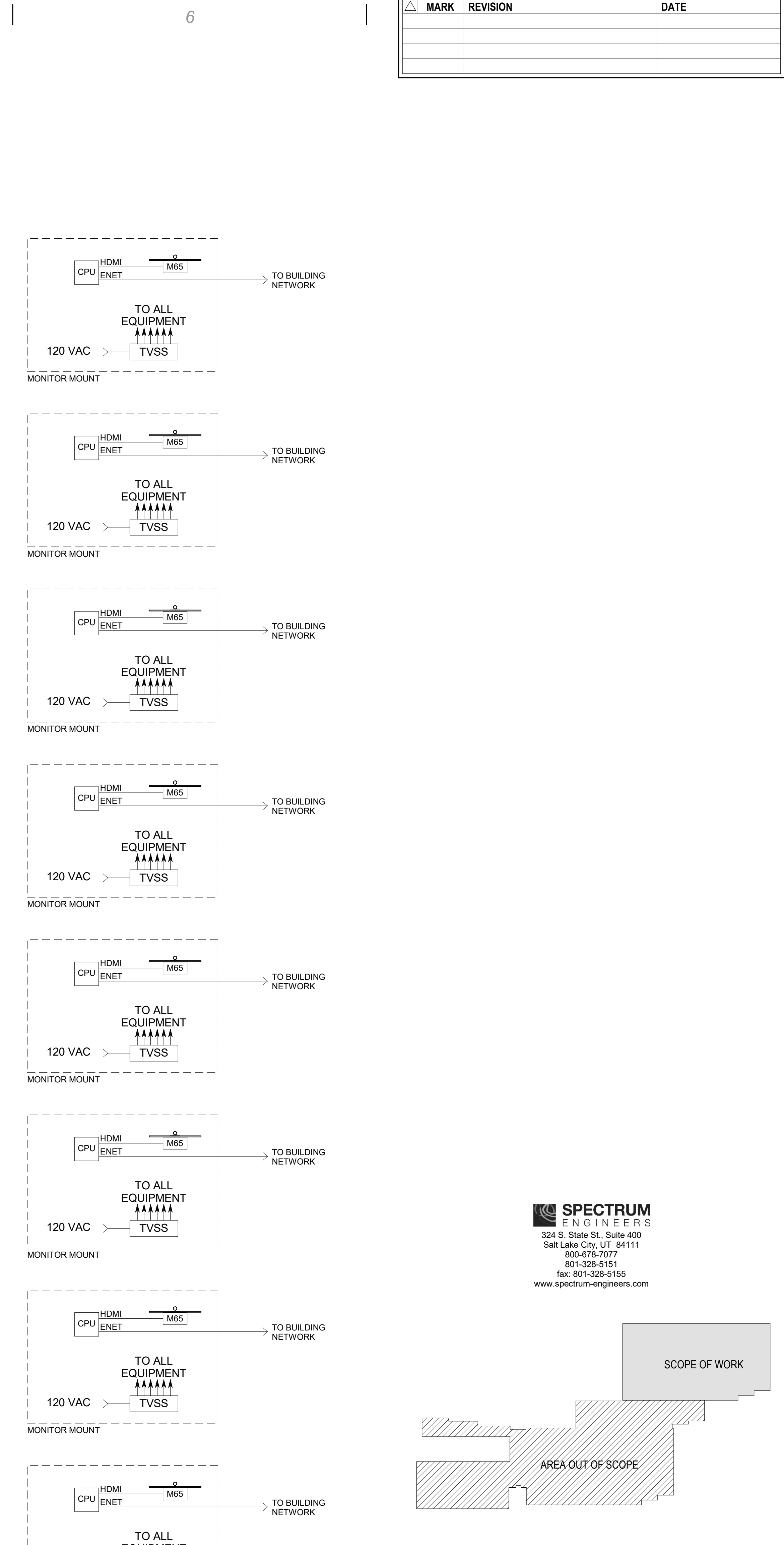
E3 AUDIO SYSTEM RISER DIAGRAM - CLASSROOM 134/135/136
NO SCALE



D4 AV SYSTEM RISER DIAGRAM - WORK ROOM 123, COLLABORATION 156
NO SCALE

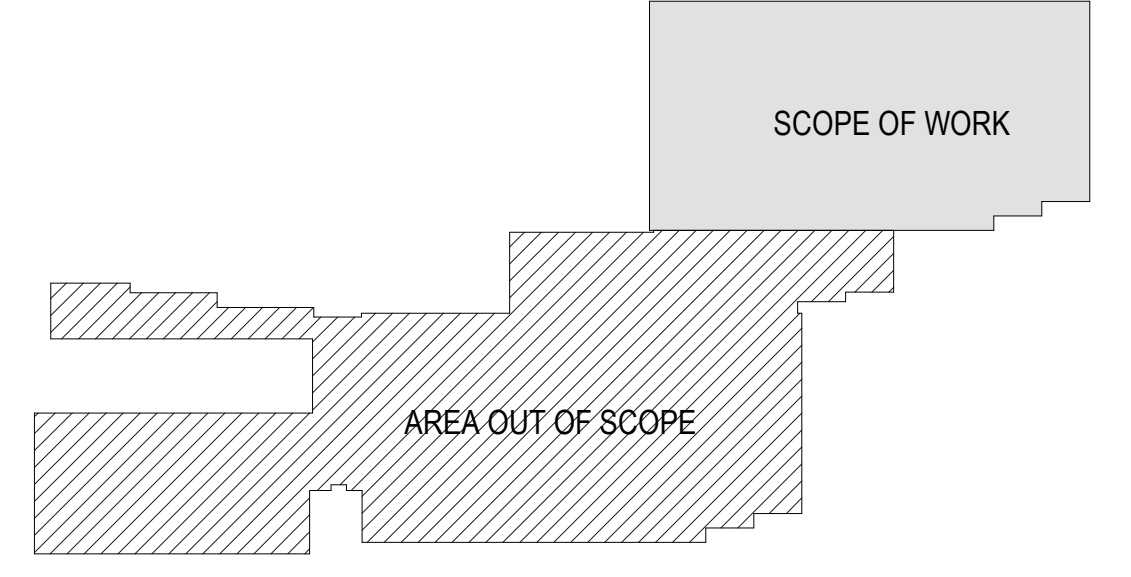


E4 AV SYSTEM RISER DIAGRAM - DXC OPEN OFFICE 151
NO SCALE



E6 AV SYSTEM RISER DIAGRAM - SCC OPEN OFFICE
NO SCALE

SPECTRUM ENGINEERS
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800-478-7077
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<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 19 APRIL 2022 PROJECT #: 21-099 PROJ. MAN.: JSJ CHECKED BY: GWT</p>
	<p>PROJECT: INTERMOUNTAIN LAKE PARK NORTH LEVEL 1 REMODEL</p> <p>4646 LAKE PARK BLVD WEST VALLEY CITY, UTAH 84120</p>
<p>SHEET DESCRIPTION: AUDIO VISUAL SYSTEMS SCHEDULES</p>	<p>SHEET: TA601</p>

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