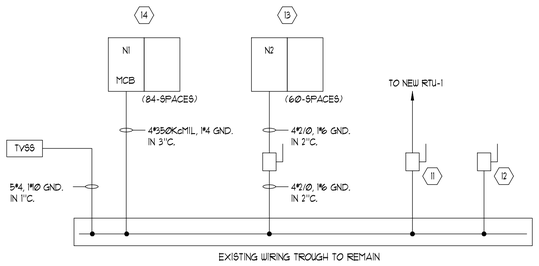
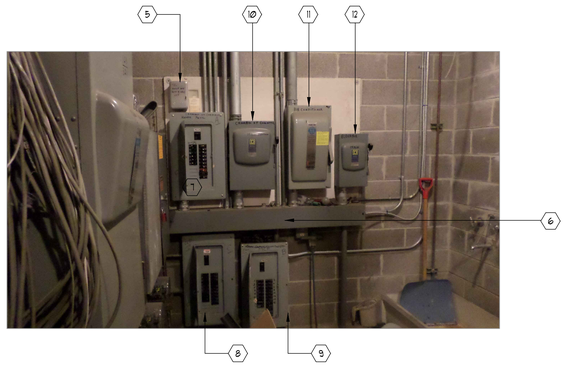


NEW RISER DIAGRAM

NOT TO SCALE

KEYED NOTES:

1. EXISTING 600AMP 3-PHASE DISCONNECT SWITCH TO REMAIN.
2. EXISTING METER TO REMAIN FOR BUILDING'S SERVICE.
3. EXISTING CT CABINET TO REMAIN.
4. TWO EXISTING METERS FOR OTHER TENANTS TO BE REMOVED.
5. EXISTING TIME-CLCOK TO BE REMOVED.
6. EXISTING WIRING TROUGH TO REMAIN.
7. EXISTING 100AMP MAIN CIRCUIT BREAKER PANEL LABELED AS "A" TO BE REMOVED.
8. EXISTING 150AMP MAIN CIRCUIT BREAKER PANEL LABELED AS "C" TO BE REMOVED.
9. EXISTING 150AMP MAIN CIRCUIT BREAKER PANEL LABELED AS "B" TO BE REMOVED.
10. EXISTING 200AMP DISCONNECT SWITCH LABELED "CHAMBER OF COMMERCE" TO BE REMOVED.
11. EXISTING 200AMP DISCONNECT SWITCH LABELED "A/C" TO REMAIN AND REUSED FOR NEW RTU-1. EXTEND FEEDER AS REQUIRED TO NEW LOCATION.
12. EXISTING 100AMP DISCONNECT SWITCH LABELED "ELEVATOR" TO BE REMOVED AND REPLACED WITH AN ENCLOSED 100AMP SHUNT-TRIP CIRCUIT BREAKER.
13. NEW 150A. EQUIPMENT AS SHOWN AND SCHEDULED FROM EXISTING WIRING TROUGH.
14. NEW 300A. EQUIPMENT AS SHOWN AND SCHEDULED FROM EXISTING WIRING TROUGH.



ELECTRICAL SYMBOLS

- LED STRIP LIGHT
- LED RECESSED FIXTURE
- LED SURFACE OR PENDANT FIXTURE
- LED WALL BRACKET
- LED TRACK LIGHTING
- RECESSED LED FIXTURE
- SURFACE LED FIXTURE
- WALL MOUNTED LED FIXTURE
- EMERGENCY BATTERY UNIT, WALL MOUNTED
- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN
- SINGLE POLE TOGGLE SWITCH (3) THREE WAY (4) FOUR WAY (OS) OCCUPANCY SENSOR MOUNT 48" ABOVE FLOOR TO TOP OF BOX
- DUAL LEVEL SWITCH (3) THREE WAY (4) FOUR WAY (OS) OCCUPANCY SENSOR MOUNT 48" ABOVE FLOOR TO TOP OF BOX
- WALL BOX DIMMER - MOUNT 48" ABOVE FLOOR TO TOP OF BOX. LUTRON NOVA T+ OR EQUAL (UNLESS NOTED OTHERWISE) SIZED AS REQUIRED.
- SWITCH AND DUPLEX RECEPTACLE IN SAME BOX - MOUNT 48" ABOVE FLOOR TO TOP OF BOX.
- OS — OCCUPANCY SENSOR
- DUPLEX RECEPTACLE 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED
- DOUBLE DUPLEX RECEPTACLE 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED
- DUPLEX RECEPTACLE HORIZONTAL ABOVE COUNTER
- DOUBLE DUPLEX RECEPTACLE HORIZONTAL ABOVE COUNTER
- DG — DEAD FRONT GFCI
- TELEPHONE OUTLET 15" ABOVE FLOOR TO BOTTOM OF BOX - (W) WALL PHONE 52" MAX. IF SIDE ACCESSIBLE OR 48" MAX. IF FORWARD ACCESSIBLE ONLY. HEIGHT MEASURED FROM FLOOR TO TOP OF BOX.
- VOICE/DATA OUTLET
- SPECIAL OUTLET
- MOTOR
- DISCONNECT SWITCH
- JUNCTION BOX
- PUSHBUTTON - 52" MAX. IF SIDE ACCESSIBLE OR 48" MAX. IF FORWARD ACCESSIBLE ONLY. HEIGHT MEASURED FROM FLOOR TO TOP OF BOX.
- BELL
- TV — TELEVISION OUTLET 15" ABOVE FLOOR TO BOTTOM OF BOX OR HEIGHT AS INDICATED
- C — CONTACTOR
- TC — TIME CLOCK
- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- NEW FIRE ALARM PULL STATION 48" AFF
- HORN/STROBE 80" AFF TO BOTTOM OF BOX OR 6" DOWN FROM CEILING TO TOP OF BOX WHICHEVER IS LOWER
- PULL STATION WITH NEW HORN/STROBE 80"AFF
- (S) INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR
- (H) INTELLIGENT 135°F FIXED 1 RATE OF RISE (15°F/M) UNLESS NOTED ON THE PLANS
- DS — INTELLIGENT PHOTOELECTRIC DUCT SMOKE DETECTOR
- MM — ADDRESSABLE MONITOR MODULE - PROVIDE AS REQUIRED
- CM — ADDRESSABLE CONTROL MODULE - PROVIDE AS REQUIRED
- TS — SPRINKLER TAMPER SWITCH (PROVIDE ADDRESSABLE MODULE)
- FS — SPRINKLER FLOW SWITCH (PROVIDE ADDRESSABLE MODULE)
- DH — MAGNETIC DOOR HOLDER (SEN) SENTRONIC
- ES — ELECTRIC DOOR STRIKE
- FIRE ALARM STROBE - ADA RATED 80" TO BOTTOM OF BOX OR 6" DOWN FROM CEILING TO TOP OF BOX WHICHEVER IS LOWER
- RTS/I — REMOTE TEST SWITCH AND/OR INDICATOR
- ES — ELECTRIC STRIKE
- CR — CARD READER
- HC — HELP CALL PULL CORD
- PB — PANIC BUTTON - PROVIDE ADEMCO 269 KEY RESET TYPE. EXTEND 2"Ø CONCEALED TO SERVER ROOM AND TERMINATE ON ACCESS CONTROL SYSTEM HEAD-END.
- WAP — WIRELESS ACCESS POINT - PROVIDE (1) CAT6 CABLE TERMINATED ON RJ45 JACK. COIL UP 6 FEET OF SURPLUS CABLE AT ACCESS POINT. PLACE 3 FEET OF BLACK ELECTRICAL TAPE ON TEE-BAR JUST BELOW CABLE.
- DVR — DIGITAL VIDEO RECORDER
- MON — MONITOR
- ELECTRICAL PANEL
- DETAIL NUMBER
- NOTE OR DETAIL SYMBOL
- SHEET LOCATION

A/V SYMBOLS

- $\$_3$ — AV SYSTEM ISOLATED GROUND ELECTRICAL OUTLET - DIGIT IDENTIFIES CIRCUIT NUMBER
- AV-101 — AV SYSTEM JUNCTION BOX - FIRST FLOOR LOWER WALL
- AV-121 — AV SYSTEM JUNCTION BOX - FIRST FLOOR UPPER WALL
- AV-201 — AV SYSTEM JUNCTION BOX - SECOND FLOOR LOWER WALL
- AV-221 — AV SYSTEM JUNCTION BOX - SECOND FLOOR UPPER WALL
- AV-A — AV SYSTEM JUNCTION BOX - MAJOR WIRE PULL POINT
- INPUT — AV SYSTEM INPUT PANEL
- TV — VIDEO DISPLAY/MONITOR

NOTES

1. LOWER CIRCUITS AT STANDARD OUTLET HEIGHT
2. UPPER CIRCUITS AT 72 IN. A.F.F.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFG	BELOW FINAL GRADE
BOL	BUILT-IN OVERLOAD
C	CONDUIT
CKT	CIRCUIT
CB	COMBINATION STARTER
D	DEDICATED
DD	DOUBLE DUPLEX
EC	ELECTRICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER
ER	EXISTING TO BE REMOVED
ERL	EXISTING RELOCATED (NEW LOCATION)
ETL	EXISTING TO BE RELOCATED (OLD LOCATION)
EX	EXISTING TO REMAIN
FACP	FIRE ALARM CONTROL PANEL
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
HV	HEATING AND VENTILATION CONTRACTOR
IG	ISOLATED GROUND
IR	IN ROOM
IU	IN UNIT
MAN	MANUAL STARTER
MAG	MAGNETIC STARTER
MCA	MINIMUM CIRCUIT AMPACITY
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NU	NEAR UNIT
PB	PUSHBUTTON
PC	PLUMBING CONTRACTOR
PW	PRE-WIRED
RV	REDUCED VOLTAGE STARTER
RAI	REMAIN AS IS
SC	SEPARATE CIRCUIT
SS	SPEED SWITCH
SW	SWITCH
TC	TIMECLOCK
TS	THERMOSTAT
UM	UNIT MANUFACTURER
WP	WEATHERPROOF

ELECTRICAL SHEET INDEX

SHEET NUMBER	SHEET NAME
E000	SYMBOLS, ABBREVIATIONS, RISER DIAGRAM & SHEET INDEX
E001	SITE PLAN - ELECTRICAL
E100	FIRST & SECOND FLOOR PLANS - ELECTRICAL DEMOLITION
E200	FIRST & SECOND FLOOR PLANS - POWER & SYSTEMS
E300	FIRST & SECOND FLOOR PLANS - LIGHTING
E400	A/V RISER DIAGRAMS & NOTES
E500	ELECTRICAL DETAILS
E600	ELECTRICAL SCHEDULES
E601	ELECTRICAL SCHEDULES

CI5110

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SYMBOLS, ABBREVIATIONS
& SHEET INDEX

DATE
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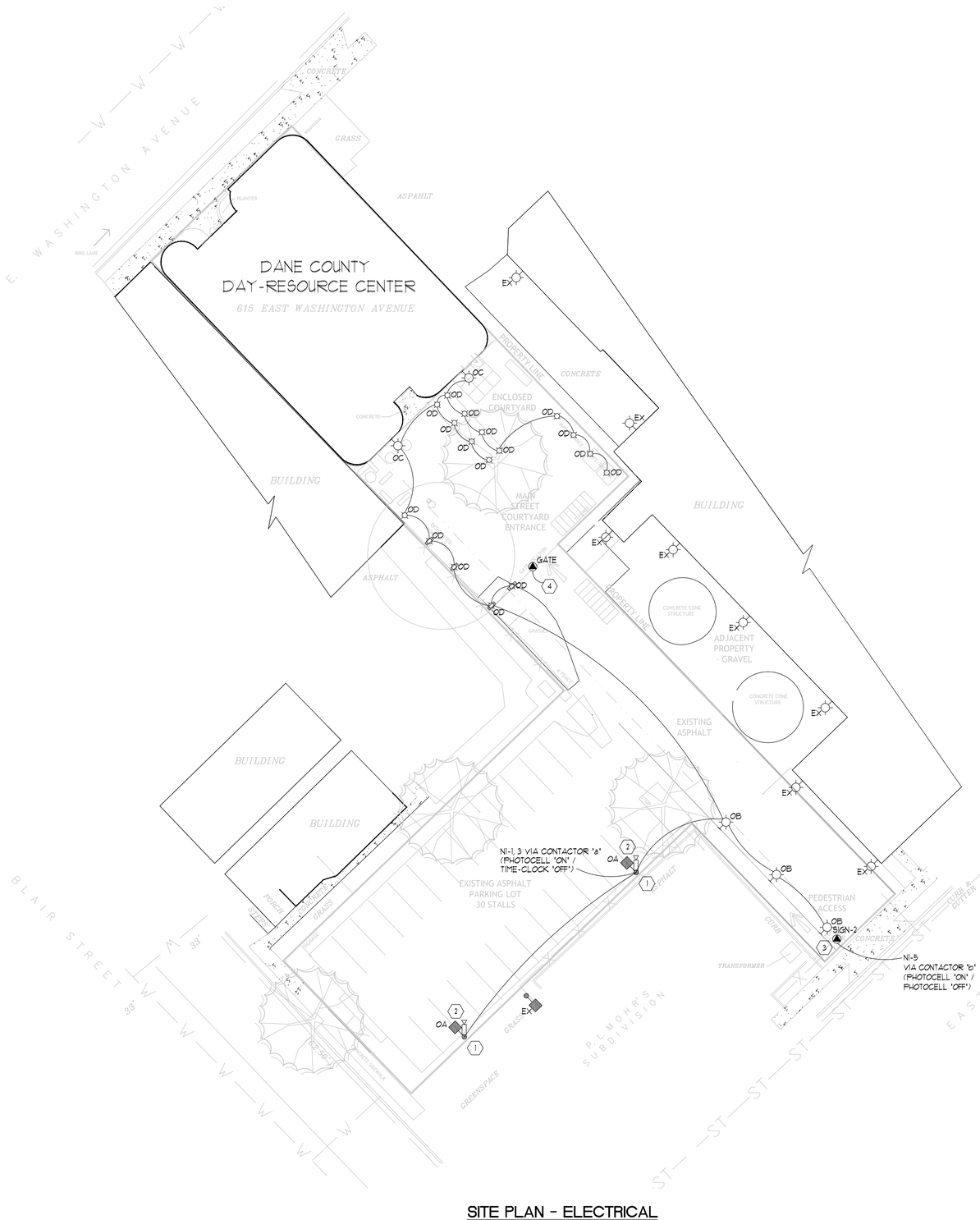
E000



SITE PLAN - ELECTRICAL

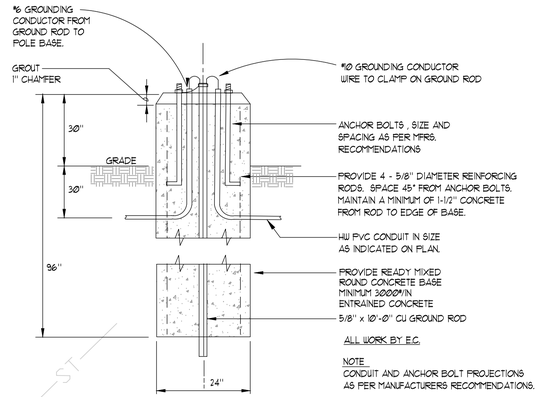
SCALE = 1" = 20'-0"

KEYED NOTES:

1. LOCATE POLE BASE 2'-0" BACK FROM EDGE OF CURB/PAVEMENT TO THE FACE OF THE CONCRETE BASE.
2. PROVIDE ONE (1) 3/4" CONDUIT FOR LOW VOLTAGE WIRING TO EACH CAMERA AND BACK TO SERVER ROOM SECURITY ALARM CONTROL PANEL.
3. PROVIDE (1) ONE 3/4" CONDUIT FOR POWER FOR SITE SIGN. PROVIDE ONE 1-1/2" CONDUIT WITH FISH WIRE FOR MESSAGE READER TO SITE SIGN. VERIFY EXACT REQUIREMENTS WITH SIGN VENDOR.
4. PROVIDE (1) ONE 3/4" CONDUIT FOR POWER FOR GATE. PROVIDE ONE 1-1/2" CONDUIT WITH FISH WIRE FOR LOW-VOLTAGE CONTROLS TO GATE FROM CONTROLS. VERIFY EXACT REQUIREMENTS WITH GATE MANUFACTURE.

GENERAL NOTE:

1. ALL EXTERIOR LIGHT BRANCH CKT. WIRING SHALL BE MIN #10 THHN-2 PLUS MIN #10 GREEN GROUND IN 1" SCHEDULE 40 HWPVC 30" BFG. BACKFILL FIRST 18" WITH TAMPED SAND (TAMPED EVERY 6") AND MARK WITH PLASTIC RED WARNING TAPE, BACKFILL REMAINDER WITH CLEAN GRANULAR FILL.



1 E001 POLE BASE DETAIL - FIXTURE TYPE "OA"

SCALE: NOT TO SCALE

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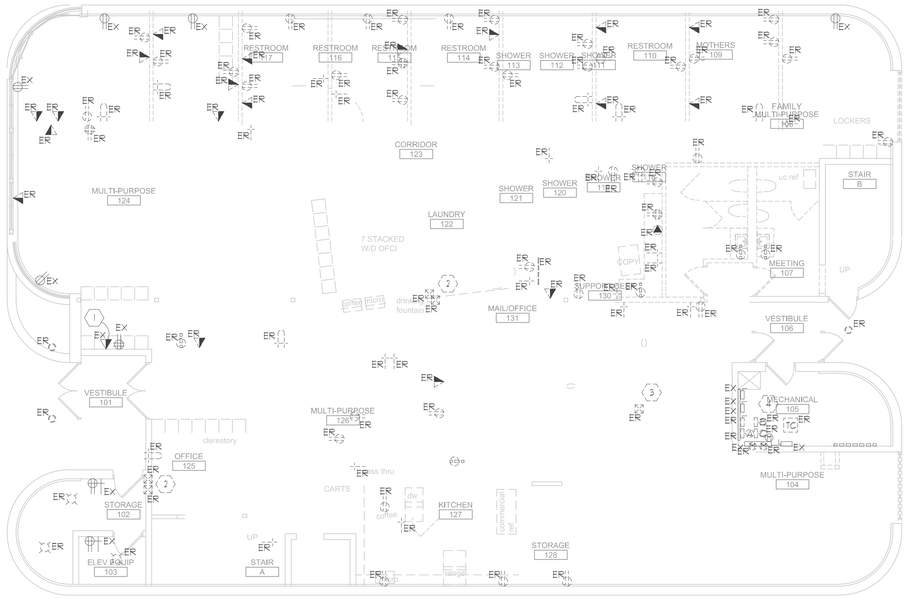
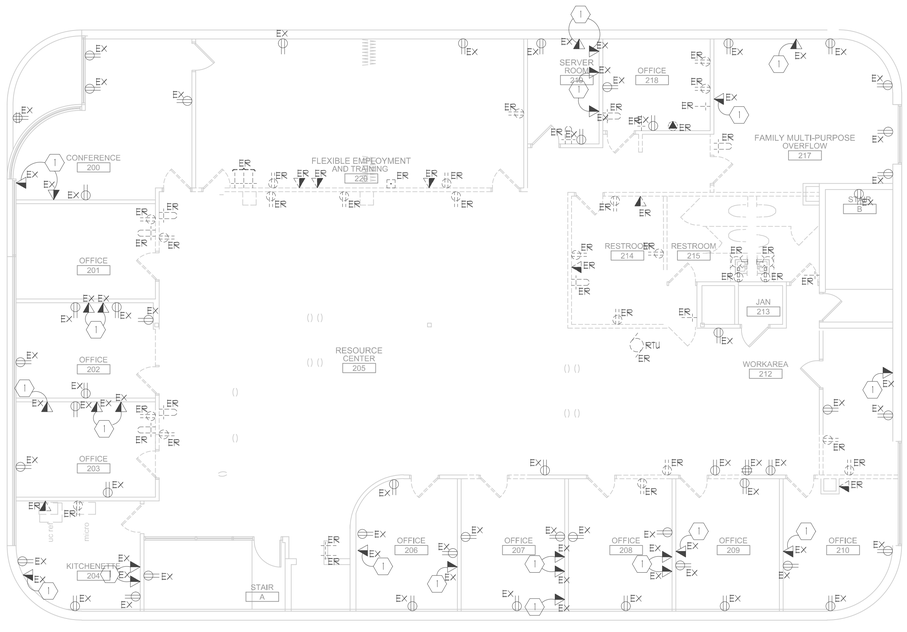


FIRST FLOOR PLAN - DEMOLITION

SCALE = 1/8" = 1'-0"



SECOND FLOOR PLAN - DEMOLITION

SCALE = 1/8" = 1'-0"

GENERAL NOTES:

1. REMOVE ALL LIGHTING FIXTURES, SWITCHES, CONDUIT, WIRE AND PULL WIRING BACK TO SOURCE PANEL.
2. REMOVE ALL LOW-VOLATGE WIRING BACK TO SOURCE.
3. REMOVE ALL LOW-VOLTAGE EQUIPMENT
4. REMOVE ALL ELECTRICAL DEVICES, CONDUITS AND WIRE ON DEMOLITION WALLS. PULL BACK TO SOURCE PANEL.
5. ALL EXISTING DEVICES THAT ARE TO REMAIN LABELED AS 'EX', PROVIDE EXTENDING COLLAR IF NECCESSARY AND REPLACE DEVICE TO MATCH COLOR OF NEW DEVICES SELECTED.
6. THE INTENT OF THE DEMOLITION WORK IS TO REMOVE ALL ITEMS SHOW DASHED, AND NOT LABELED WITH 'EX' (EXISTING TO REMAIN).
7. REFER TO THE ELECTRICAL SPECIFICATIONS FOR FURTHER DEMOLITION REQUIREMENTS.
8. REMOVE ALL CONDUIT, WIRE, AND CIRCUITS SERVING EQUIPMENT TO BE PERMANENTLY REMOVED.
9. REFER TO HVAC AND PLUMBING DEMOLITION DRAWINGS - REMOVE ALL CONDUIT, WIRE, AND CIRCUITS SERVING HVAC AND PLUMBING EQUIPMENT NOT SHOWN ON THE ELECTRICAL DRAWINGS.
10. CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING BID.

KEYED NOTES:

1. REMOVE FACE-PLATE AND PULL WIRES BACK TO SOURCE. REUSE EXISTING JUNCTION BOX AND CONDUIT FOR NEW CAT 6 CABLING AS SHOWN ON OTHER SHEETS.
2. REMOVE EXISTING FURNITURE FEEDS.
3. REMOVE EXISTING POWER/DATA POWER
4. SEE SHEET E400 PHOTOS #1 AND #2

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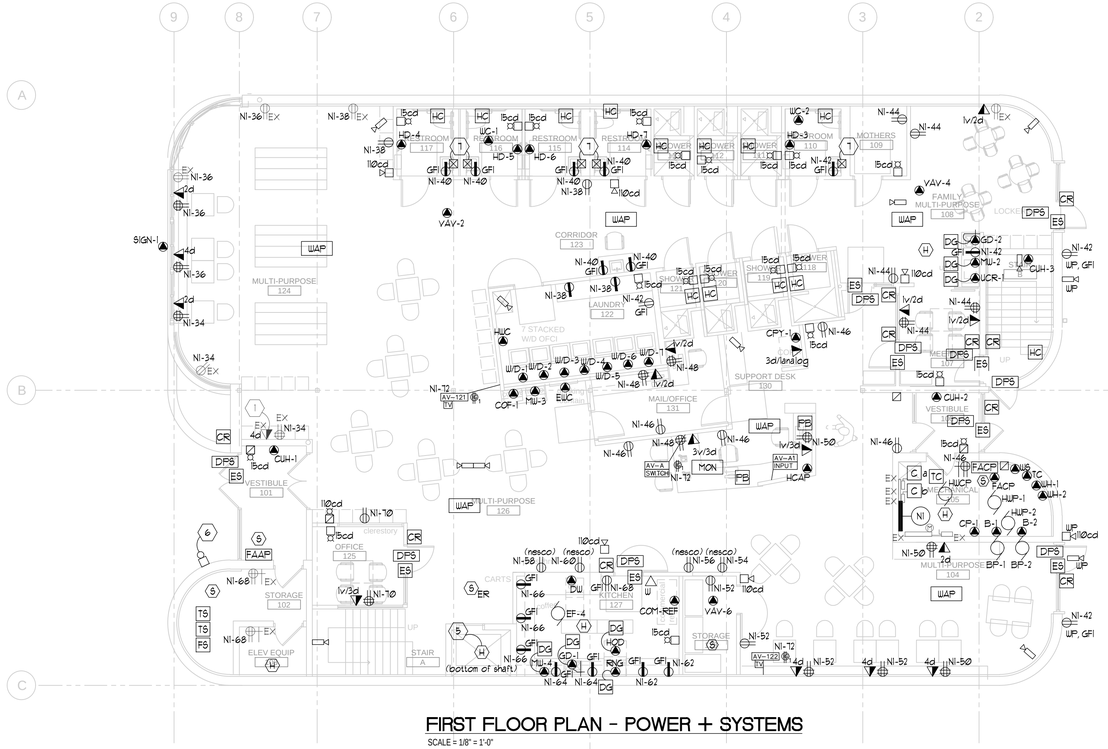
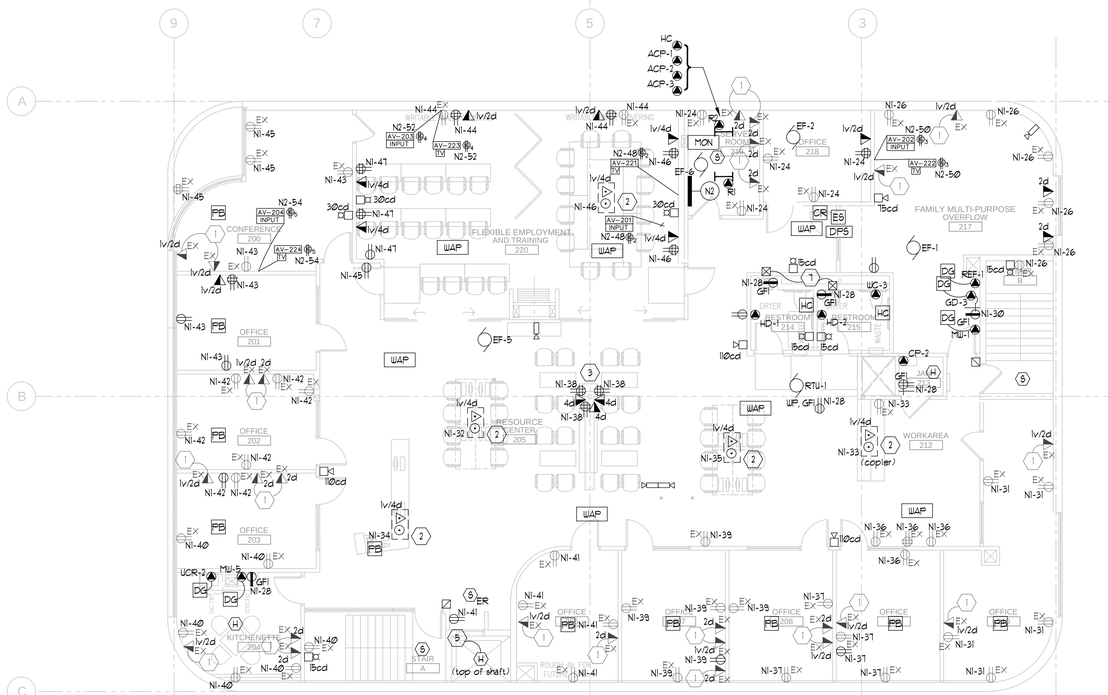
E100



FIRST FLOOR PLAN - POWER + SYSTEMS

SCALE = 1/8" = 1'-0"



SECOND FLOOR PLAN - POWER + SYSTEMS

SCALE = 1/8" = 1'-0"

GENERAL NOTES:

1. WHERE VOICE/DATA OUTLETS ARE SHOWN LOCATED NEXT TO A RECEPTACLE/DOUBLE DUPLEX RECEPTACLE, THAT IS TO BE MOUNTED ABOVE THE COUNTER, THE VOICE/DATA OUTLET SHALL ALSO BE MOUNTED ABOVE COUNTER AT SAME HEIGHT.
2. COORDINATE LOCATIONS OF DUPLEX RECEPTACLES AND VOICE/DATA OUTLETS WITH FURNITURE LAYOUTS BEFORE INSTALLATION.
3. NUMBER DESIGNATIONS ADJACENT TO SPECIAL OUTLET SYMBOLS DENOTE IDENTIFIER TAG. SEE SPECIAL OUTLET SCHEDULE ON SHEET E600.
4. ALL EXTERIOR WEATHER-PROOF RECEPTACLES MUST HAVE A "LOCKABLE" COVER-PLATE.
5. ALL FREE AIR CABLES TO RUN CONCEALED. WHERE CABLES MUST CROSS EXPOSED STRUCTURAL CEILINGS PROVIDE CONDUIT.

KEYED NOTES:

1. REUSE EXISTING JUNCTION BOX AND CONDUIT FOR NEW CAT 6 CABLING SEE PLANS FOR QUANTITY OF VOICE AND DATA JACKS.
2. PROVIDE A HUBBELL (OR APPROVED EQUIVALENT) POKE-THRU INCLUDED WITH-IN POKE-THRU IS LINE AND LOW VOLTAGE COMPARTMENTS. PROVIDE DIVIDER AND SUB-PLATE TO PROVIDE A DOUBLE DUPLEX RECEPTACLE AND FOUR (4) CAT 6 CONNECTIONS. COVER SHALL BE BLACK USED FOR CARPET. VERIFY PRIOR TO ORDERING WITH CM AND VERIFY FINAL LOCATION
3. INSTALL ITEMS AFTER COLUMN HAS BEEN FURRED-OUT.
4. PROVIDE CONDUITS IN CONCRETE FLOOR SLAB TO ADJACENT WALL, THEN UP TO NEAREST ACCESSIBLE CEILING SPACE. USE 3/4" CONDUIT FOR POWER AND 1-1/4" FOR LOW VOLTAGE.
5. INSTALL HEAT DETECTOR WITHIN 2' OF SPRINKLER HEAD
6. WIRE FIRE ALARM SPRINKLER BELL TO FACP
7. PROVIDE A DUPLEX RECEPTACLE FOR PLUG-IN TRANSFORMER FOR TWO (2) SINKS. WIRE TO NEAREST RECEPTACLE CIRCUIT.

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FIRST & SECOND FLOOR PLANS - POWER & SYSTEMS

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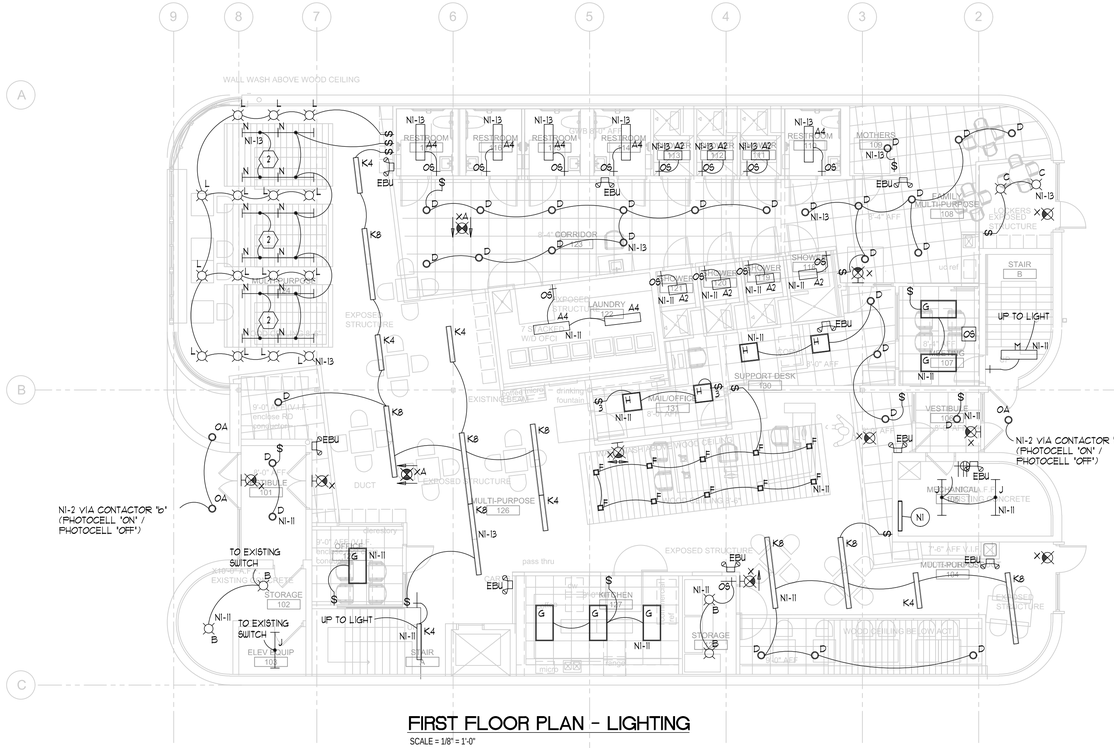
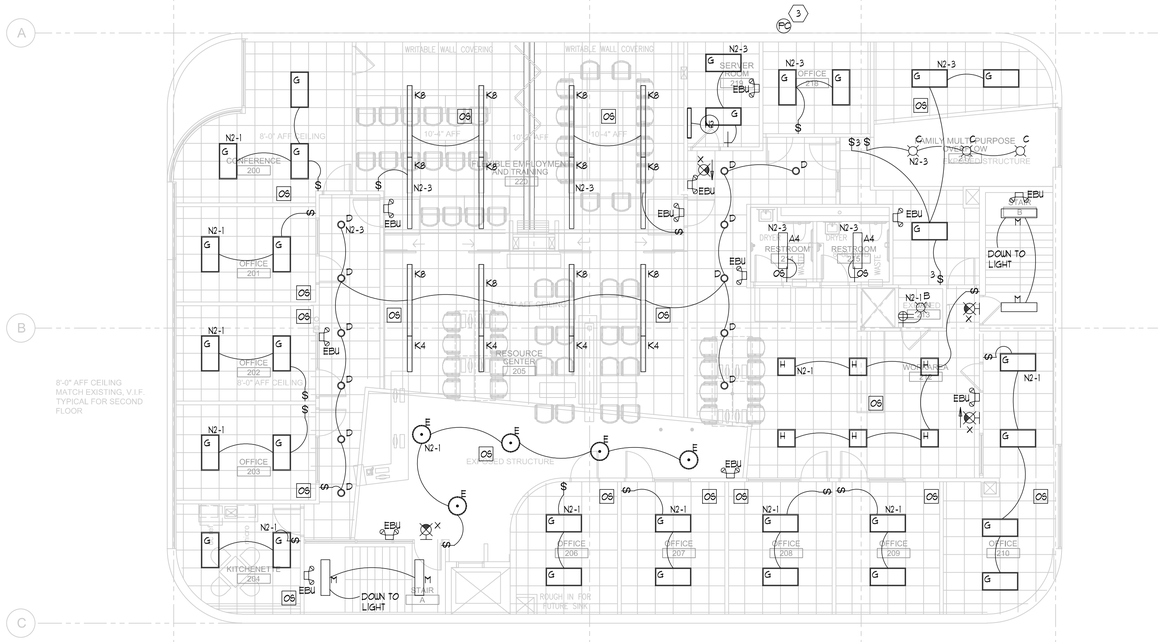


FIRST FLOOR PLAN - LIGHTING

SCALE = 1/8" = 1'-0"



SECOND FLOOR PLAN - LIGHTING

SCALE = 1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXIT SIGN AND EMERGENCY BATTERY UNITS SHALL BE WIRED TO THE LOCAL LIGHTING CIRCUIT AHEAD OF SWITCH SERVING AREA.
2. WHERE A DUAL-LEVEL SWITCH IS SHOWN WITH THE TEXT 'OS', BOTH SWITCHES SHALL BE OCCUPANCY SENSOR TYPE.
3. ALL OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS WITH IN THE SPACE THEY SERVE. WIRE ALL SENSORS AHEAD OF SWITCHES.

KEYED NOTES:

1. PROVIDE DUAL LEVEL SWITCHING FOR LIGHT FIXTURES AS SHOWN AND PER DETAIL ON THIS SHEET E500.
2. INSTALLED ABOVE GRID.
3. PROVIDE SWIVEL MOUNT PHOTOCELL. LOCATE HIGH ON WALL AND AIM NORTH. SEE TIMECLOCK SCHEDULE FOR ADDITIONAL INFORMATION.

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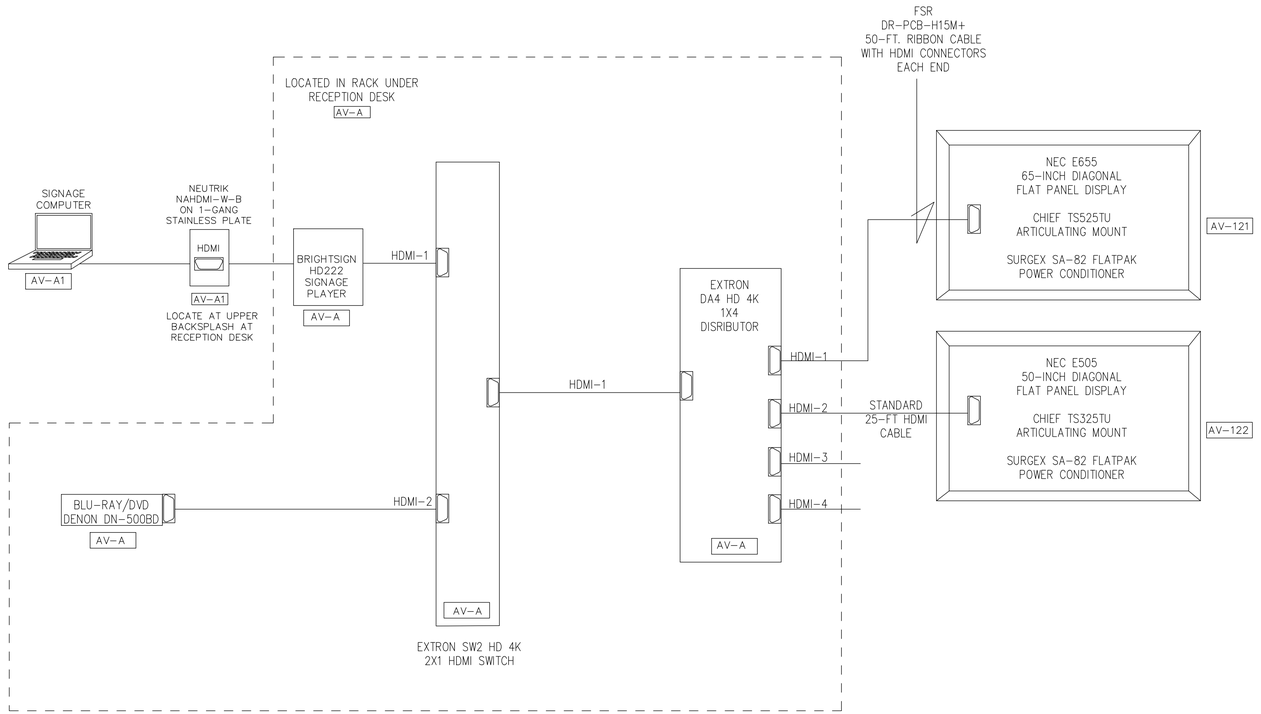
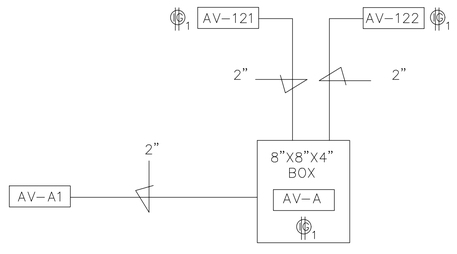
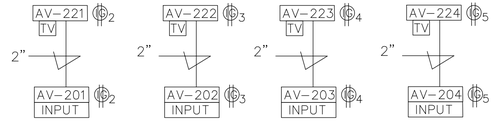


1-GANG STAINLESS PLATE WITH NEUTRIK NAHDMI-W-B HDMI CONNECTOR. TYPICAL AT ALL DEVICE LOCATIONS EXCEPT AV-A.



FIRST FLOOR CONDUIT REQUIREMENT



SECOND FLOOR CONDUIT REQUIREMENT

NOTES:

1. THE SYMBOL $\overset{IG}{\oplus}_1$ INDICATES AN ELECTRICAL CIRCUIT DEDICATED TO A/V. THE "IG" NOTATION INDICATES ISOLATION, WHICH IS PROVIDED BY THE SURGEX POWER CONDITIONING UNITS AT EACH TV LOCATION AND AT DEVICE LOCATION AV-A. THE NUMERAL INDICATES THE PROPOSED CIRCUIT NUMBER.
2. PRE-CONFIGURED HDMI CABLES WITH CONNECTORS WILL BE PULLED THROUGH THE CONDUIT. THEREFORE THE 2-INCH I.D. REQUIREMENT IS FIRM.
3. DEVICE AV-201 SHALL BE A WIREMOLD EVOLUTION SERIES FLOOR BOX FITTED WITH A DUPLEX ELECTRICAL OUTLET AND A 1-GANG STAINLESS PLATE WITH NEUTRIK NAHDMI-W-B HDMI CONNECTOR.
4. ALL DEVICE LOCATIONS EXCEPT AV-A SHALL UTILIZE A 1-GANG DEEP BOX TO ACCOMMODATE HDMI CONNECTORS AND WIRES.

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A/V RISER DIAGRAMS

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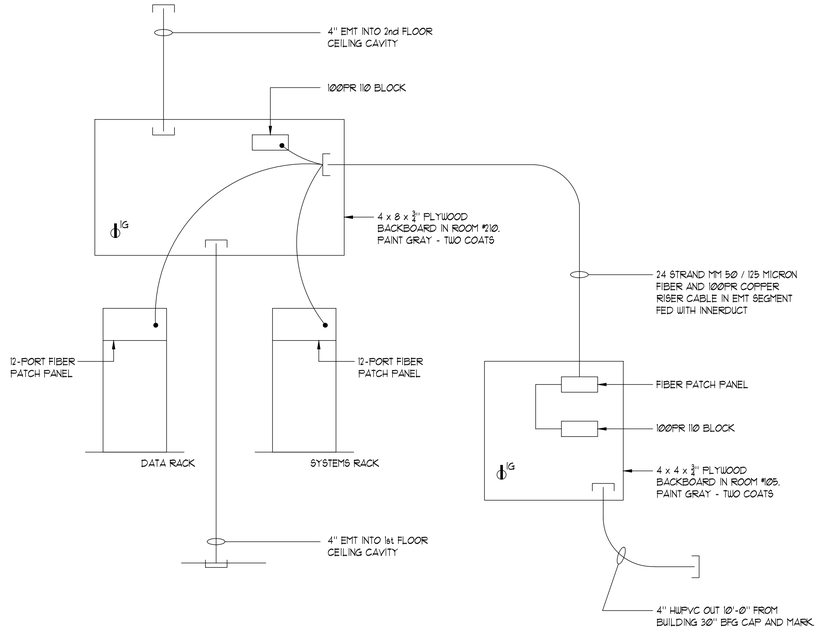
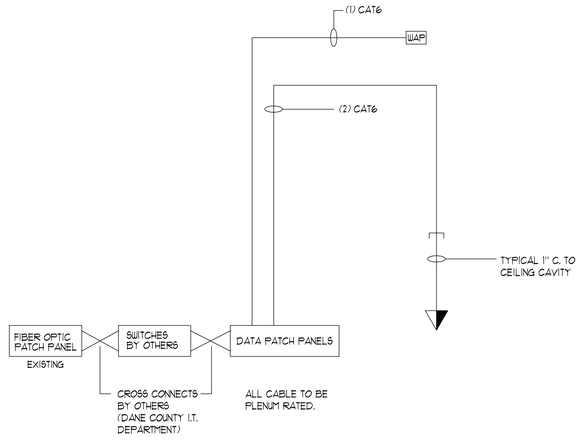
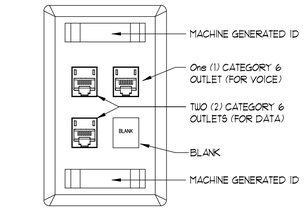


TELECOM RISER
NO SCALE

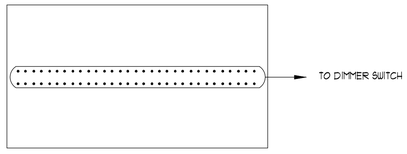


DATA RISER DIAGRAM - CATEGORY 6 PERFORMANCE
NO SCALE

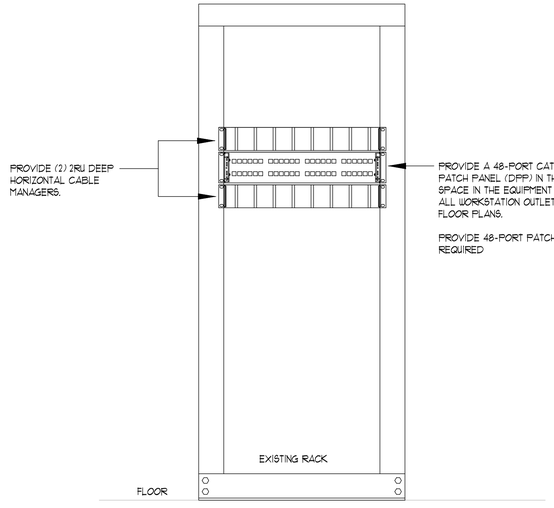


(PLAN SYMBOL: ▼ 1v/2d = 3 JACKS)

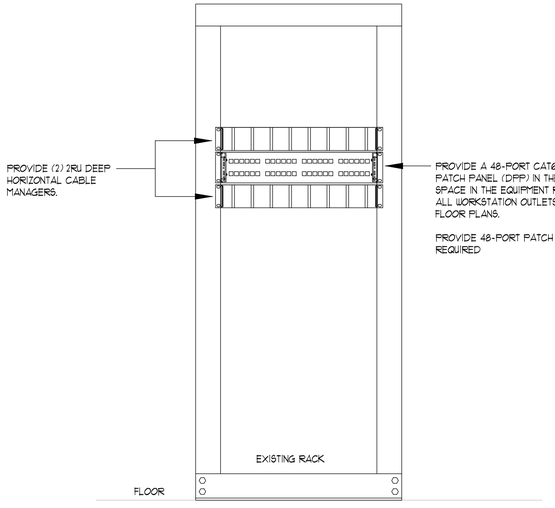
▼ TYPICAL WORKSTATION DATA OUTLET DETAIL
SCALE: NONE



0-10V DIMMING 10%-100% DETAIL
NO SCALE



R1 RACK #1 ELEVATION 4-POST RACK - SERVER ROOM
NO SCALE (NETWORK EQUIPMENT ITEMS)



R2 RACK #2 ELEVATION 4-POST RACK - SERVER ROOM
NO SCALE (SECURITY/ACCESS CONTROL ITEMS)

DORSCHNER

Architecture
Planning

Dorschner|Associates, Inc.
849 E. Washington Ave., Ste 112
Madison, Wisconsin 53703

ISSUED

PROJECT
DANE COUNTY
DAY RESOURCE CENTER
615 E WASHINGTON AVE
MADISON WISCONSIN

DRAWING
ELECTRICAL DETAILS

DATE
03-09-17

E500

CB110
CZARNECKI ENGINEERING INCORPORATED
1121 MARLIN COURT, SUITE B - WAUKESHA, WI 53186
VOICE: (262) 513-2010 FAX: (262) 513-2023
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SPECIAL PURPOSE OUTLET SCHEDULE

TAG	DRIVING	LOC.	FEED FROM		BREAKER		BRANCH WIRING			POWER			SEE
			PANEL	CIRCUIT	SIZE	POLE	NO	SIZE	COND.	VOLT	PH	LOAD	NOTE
ACP-1	ACCESS CONTROL PANEL - 1	#210	N2	25	20	1	2	12	1/2"	120	1	VERIFY	
ACP-2	ACCESS CONTROL PANEL - 2	#210	N2	27	20	1	2	12	1/2"	120	1	VERIFY	
ACP-3	ACCESS CONTROL PANEL - 3	#210	N2	29	20	1	2	12	1/2"	120	1	VERIFY	
COF1	COFFEE - 1	#126	N1	5	20	1	2	12	1/2"	120	1	VERIFY	
COMREF	COMMERCIAL REFRIFERATOR	#127	N1	7	20	1	2	12	1/2"	120	1	VERIFY	
CP-1	CONTROL PANEL - 1	#105	N1	9	20	1	2	12	1/2"	120	1	VERIFY	
CP-2	CONTROL PANEL - 2	#213	N2	23	20	1	2	12	1/2"	120	1	VERIFY	
CPY-1	COPIER - 1	#130	N1	11	20	1	2	12	1/2"	120	1	VERIFY	
DW	DISHWASHER	#127	N1	13	20	1	2	12	1/2"	120	1	VERIFY	
EWC	ELECTRIC WATER COOLER	#126	N1	15	20	1	2	12	1/2"	120	1	VERIFY	
FACP	FIRE ALARM CONTROL PANEL	#105	N1	10	20	1	2 + G	12	1/2"	120	1	500W	
GATE	GATE	PATIO AREA	N1	9	20	1	2	12	1/2"	120	1	VERIFY	
GD-1	GARBAGE DISPOSAL - 1	#127	N1	12	20	1	2	12	1/2"	120	1	VERIFY	
GD-2	GARBAGE DISPOSAL - 2	#108	N1	14	20	1	2	12	1/2"	120	1	VERIFY	
GD-3	GARBAGE DISPOSAL - 3	#217	N2	21	20	1	2	12	1/2"	120	1	VERIFY	
HC	HELP CALL CONTROL PANEL	#210	N2	19	20	1	2 + G	12	1/2"	120	1	500W	
HCAP	HELP CALL ANNUNCIATOR PANEL	#126	N1	16	20	1	2 + G	12	1/2"	120	1	500W	
HD-1	HAND DRYER - 1	#214	N2	15	20	1	2	12	1/2"	120	1	1500W	
HD-2	HAND DRYER - 2	#215	N2	17	20	1	2	12	1/2"	120	1	1500W	
HD-3	HAND DRYER - 3	#110	N1	18	20	1	2	12	1/2"	120	1	1500W	
HD-4	HAND DRYER - 4	#117	N1	20	20	1	2	12	1/2"	120	1	1500W	
HD-5	HAND DRYER - 5	#116	N1	22	20	1	2	12	1/2"	120	1	1500W	
HD-6	HAND DRYER - 6	#115	N1	24	20	1	2	12	1/2"	120	1	1500W	
HD-7	HAND DRYER - 7	#114	N1	17	20	1	2	12	1/2"	120	1	1500W	
HOD	HOOD (EXHAUST FAN-3)	#127	N1	19	20	1	2	12	1/2"	120	1	3.5AMPS	
HWC	HOT WATER CONTROLLER	#122	N1	23	20	2	2 + G	12	1/2"	208	1	-	2
MW-1	MICROWAVE - 1	#217	N2	22	20	1	2	12	1/2"	120	1	VERIFY	
MW-2	MICROWAVE - 2	#108	N1	25	20	1	2	12	1/2"	120	1	VERIFY	
MW-3	MICROWAVE - 3	#126	N1	27	20	1	2	12	1/2"	120	1	VERIFY	
MW-4	MICROWAVE - 4	#127	N1	29	20	1	2	12	1/2"	120	1	VERIFY	
MW-5	MICROWAVE - 5	#204	N2	12	20	1	2	12	1/2"	120	1	VERIFY	
R1	TELE/DATA RACK #1	#219	N2	14, 16	20	2	3	12	1/2"	120	1	VERIFY	
R2	TELE/DATA RACK #2	#219	N2	18, 20	20	2	3	12	1/2"	120	1	VERIFY	
REF-1	REFRIGERATOR - 1	#217	N2	10	20	1	2	12	1/2"	120	1	VERIFY	
RNG	RANGE	#127	N1	26, 28	50	2	3	6	1"	208	1	VERIFY	
SIGN-1	BUILDING MOUNTED SIGN	FRONT ENTRY	N1	5	20	1	2	12	1/2"	120	1	VERIFY	
SIGN-2	SITE SIGN - 2	PATIO AREA	N1	7	20	1	2	12	1/2"	120	1	VERIFY	
TC	TIMECLOCK	#105	N1	30	20	1	2 + G	12	1/2"	120	1	500W	
UCR-1	UNDER-COUNTER REFRIGERATOR - 1	#108	N1	31	20	1	2	12	1/2"	120	1	VERIFY	
UCR-2	UNDER-COUNTER REFRIGERATOR - 2	#204	N2	8	20	1	2	12	1/2"	120	1	VERIFY	
W/D-1	WASHER/DRYER COMBO - 1 (DRYER)	#122	N1	33, 35	30	2	2 + G	12	1/2"	208	1	5.4KW	
W/D-2	WASHER/DRYER COMBO - 1 (WASHER)	#122	N1	41	20	1	2 + G	12	1/2"	120	1	900W	
W/D-2	WASHER/DRYER COMBO - 2 (DRYER)	#122	N1	37, 39	30	2	2 + G	12	1/2"	208	1	5.4KW	
W/D-2	WASHER/DRYER COMBO - 2 (WASHER)	#122	N1	41	20	1	2 + G	12	1/2"	120	1	900W	
W/D-3	WASHER/DRYER COMBO - 3 (DRYER)	#122	N1	43, 45	30	2	2 + G	12	1/2"	208	1	5.4KW	
W/D-3	WASHER/DRYER COMBO - 3 (WASHER)	#122	N1	47	20	1	2 + G	12	1/2"	120	1	900W	
W/D-4	WASHER/DRYER COMBO - 4 (DRYER)	#122	N1	49, 51	30	2	2 + G	12	1/2"	208	1	5.4KW	
W/D-4	WASHER/DRYER COMBO - 4 (WASHER)	#122	N1	53	20	1	2 + G	12	1/2"	120	1	900W	
W/D-5	WASHER/DRYER COMBO - 5 (DRYER)	#122	N1	55, 57	30	2	2 + G	12	1/2"	208	1	5.4KW	
W/D-5	WASHER/DRYER COMBO - 5 (WASHER)	#122	N1	59	20	1	2 + G	12	1/2"	120	1	900W	
W/D-6	WASHER/DRYER COMBO - 6 (DRYER)	#122	N1	61, 63	30	2	2 + G	12	1/2"	208	1	5.4KW	
W/D-6	WASHER/DRYER COMBO - 6 (WASHER)	#122	N1	65	20	1	2 + G	12	1/2"	120	1	900W	
W/D-7	WASHER/DRYER COMBO - 7 (DRYER)	#122	N1	57, 59	30	2	2 + G	12	1/2"	208	1	5.4KW	
W/D-7	WASHER/DRYER COMBO - 7 (WASHER)	#122	N1	71	20	1	2 + G	12	1/2"	120	1	900W	
WC1	WATER CLOSET TRANSFORMER - 1	#116	N1	32	20	1	2 + G	12	1/2"	120	1	500W	1
WC2	WATER CLOSET TRANSFORMER - 2	#110	N1	32	20	1	2 + G	12	1/2"	120	1	500W	1
WC3	WATER CLOSET TRANSFORMER - 3	#215	N2	6	20	1	2 + G	12	1/2"	120	1	500W	1
WH-1	WATER HEATER - 1	#105	N1	73	20	1	2 + G	12	1/2"	120	1	1.8AMPS	
WH-2	WATER HEATER - 2	#105	N1	73	20	1	2 + G	12	1/2"	120	1	1.8AMPS	
WS	WATER SOFTNER	#105	N1	75	20	1	2 + G	12	1/2"	120	1	500W	

NOTES:

1. INSTALL ABOVE CEILING
2. PROVIDE GFI TYPE RECEPTACLE
3.
4.
5.
6.

LIGHT FIXTURE SCHEDULE

TAG	LAMP DATA		DESCRIPTION	LIGHTING FIXTURE		MOUNT	CEILING	VOLT	SEE
	NO	TYPE		MAKE	CATALOG NO		TYPE		NOTE
A2	-	25-watts / 2379 lumens / 3500k	2' SURFACE LED TAMPER RESISTANT	KENALL LIGHTING	MLLHA8-24-F-MW-PP-25L-35K-DCC-1-120-9500	SURFACE	PLASTER	120	
A4	-	49-watts / 4758 lumens / 3500k	4' SURFACE LED TAMPER RESISTANT	KENALL LIGHTING	MLLHA8-48-F-MW-PP-45L-35K-DCC-1-120-9500	SURFACE	PLASTER	120	
B	-	15-watt / 1190 lumen / 3000k	7" DIA SURFACE ROUND LED	JESCO LIGHTING	CM-405-M-30-WH	SURFACE	-	120	
C	-	18-watt / 2148 lumen / 3500k	12.5" DIA SUSPENDED LED	SPECTRUM LIGHTING	ALDDH12LEDGV-27L-35K-DS10X-HM-AL12-DR12-CNFR-MW	AIRCRAFT CABLE	STRUCTURE	120	4
D	-	37-watt / 2000 lumen / 3500k	6" DIA ROUND LED DOWNLIGHT	LITHONIA LIGHTING	EVO-35-20-6AR-MD-LD-MVOLT-EZ10	RECESSED	GRID	120	11
E	-	54-watt / 2580 lumen / 3500k	22" DIA DECORATIVE SUSPENDED LED	ARTEMIDE	USC-M24-5-S-35-FR-08-COLOR BY ARCHITECT	AIRCRAFT CABLE	STRUCTURE	120	5
F	-	23-watt / 1500 lumen / 35k	2" LED DOWNLIGHT - FLANGELESS	GOTHAM LIGHTING	ICO SQ-35/15-2AR--FL-LD-45D-120-UGZ	RECESSED	WOOD	120	
G	-	45-watt / 4100 lumen / 3500k	2 x 4 LED FLAT PANEL - (FURNISHED BY DANE COUNTY)	MAXLITE	MLFP24EP4535	RECESSED	GRID	120	19
H	-	36-watt / 3300 lumen / 3500k	2 x 2 LED FLAT PANEL - (FURNISHED BY DANE COUNTY)	MAXLITE	MLFP22EP4535	RECESSED	GRID	120	19
J	-	32-watt / 2300 lumen / 3500k	4' LONG LENS STRIP LIGHT	LITHONIA LIGHTING	ZL2-L48-2300L-MVOLT-LP835-HC36	SURFACE/CHAIN	PLASTER	120	7,1 2
K4	-	35-watt / 4458 lumen / 3500k	4' SUSPENDED LED LINEAR	PHILIPS LEDALITE	24-G5-L-B-C-A-G-04-7-1-E-W	AIRCRAFT CABLE	STRUCTURE	120	2, 13
K8	-	70-watt / 8916 lumen / 3500k	8' SUSPENDED LED LINEAR	PHILIPS LEDALITE	24-G5-L-B-C-A-G-08-7-1-E-W	AIRCRAFT CABLE	STRUCTURE	120	2, 13
L	-	17-watt / 1500 lumen / 3500k	4" DIA SUSPENDED CYLINDER LED	LITHONIA LIGHTING	ICOCYL-35-15-4AR-LD-30D-MVOLT-EZ1-FCM-DWHG	SURFACE	STRUCTURE	120	6, 14
M	-	45-Watts / 4850-Lumens / 3500K	1x4 LED SURFACE DIRECT LUMINAIRE	LITHONIA LIGHTING	STL4-30L-MVOLT-EZB-LP835	SURFACE	STRUCTURE	120	15
N	-	12-watts / 688-lumens / 4000K	LED UP-LIGHT	COLOR KINETICS	523-000004-72	COVE	-	120	10, 16
OA	-	72-watts / 7879 lumens / 5000k	LED AREA POLE LUMINAIRE ON 20' POLE	LITHONIA LIGHTING	DSX0-LED-40C-1000-50K-T4M-MVOLT-SPA-HS-DDBXD	20' POLE	CONCRETET BASE	120	8
OB	-	5-watts / 196 lumens / 5000k	LED PATHWAY WALL MOUNT	RAB LIGHTING	SLED5	WALL	-	120	
OC	-	36-watt / 3912 lumen / 4000k	EXTERIOR WALL PACK - EMERGENCY	LITHONIA LIGHTING	DSXW1LED-20C-530-40K-T4M-MVOLT-BBW-ELCW-DDBXD	WALL	-	120	1
OD	-	7-WATTS / 4000K	RECESSED LED MINI FLOOD LIGHT	B-K LIGHTING	S-CD-VS-LED-e66-WFL-MAC	RECESSED	-	120	9
OE	-	28-watt / 2,000 LUMEN / 4000K	6" dia DOWNLIGHT WITH EMERGENCY BACK-UP	GOTHAM LIGHTING	ICP-40/20-6AR-LD-35D-120-EZB-ELR	RECESSED	METAL/SOFFIT	120	3
X	-	LED	EXIT LIGHT - SINGLE FACE	LITHONIA LIGHTING	LE-S-W-1-R-EL-N	VARIES	-	120	1, 17
XA	-	LED	EXIT LIGHT - DOUBLE FACE	LITHONIA LIGHTING	LE-S-W-2-R-EL-N	VARIES	-	120	1, 17
EBU	2	1.5-Watt / 3.6V	EMERGENCY BATTERY UNIT	LITHONIA LIGHTING	ELM2-LED-WHITE-SD	WALL	-	120	1, 18

NOTES:

1. UNIT SHALL BE PROVIDED WITH 90-MINUTE BACK-UP BATTERY POWER PER CODE
2. VERIFY FINAL MOUNTING HEIGHT TO BOTTOM OF FIXTURE DURING SHOP DRAWING PHASE
3. FIXTURE TO BE RECESSED IN METAL-PAN SOFFIT ON EXTERIOR CANOPY.
4. SUSPEND FIXTURE TO 8'-6" AFF TO BOTTOM OF FIXTURE
5. SUSPEND FIXTURE TO 10'-6" AFF TO BOTTOM OF FIXTURE
6. SURFACE MOUNT DIRECTLY TO STRUCTURE
7. SUSPEND FIXTURES TO 8'-0" AFF TO BOTTOM OF FIXTURE WITH CHAINS
8. PROVIDE A 20' STEEL, STRAIGHT SQUARE POLE PAINTED TO MATCH LUMINAIRE
9. PROVIDE REMOTE TRANSFORMER LOCATED IN MECHANICAL ROOM
10. PROVIDE A SURFACE MOUNTED RECEPTACLE WITH-IN JUNCTION BOX CONCEALED ABOVE CEILING ON ONE END OF ROW FOR POWER USED WITH LEADER CABLE.
11. OR APPROVED EQUAL BY PRESCOLITE CATALOG #LC6LED-120-DM-6LCLED-7-35K8
12. OR APPROVED EQUAL BY COLUMBIA CATALOG #LCL435-LW-ED-U-CSHC
13. OR APPROVED EQUAL BY HUBBELL CATALOG #LP7-OA-4/8-35-LW-80-CM-XX-ED-U-MW
14. OR APPROVED EQUAL BY LITON CATALOG #LCALD4-120-UE-DUN-T35
15. OR APPROVED EQUAL BY HUBBELL CATALOG #LW-4-35-ML-LUTH-U
16. OR APPROVED EQUAL BY ACCLAIM CATALOG #DCA-142-A-A-E-U
17. OR APPROVED EQUAL BY DUAL LITE CATALOG #SE-S-R-W-E
18. OR APPROVED EQUAL BY DUAL LITE CATALOG #EVHC-6-I
19. LIGHT FIXTURES ARE PROVIDED BY DANE COUNTY, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR

MOTOR WIRING SCHEDULE

TAG	DRIVING	LOC.	POWER			FEED FROM		BREAKER		BRANCH WIRING			STARTER					DISCONNECT					SEE
			HP	VOLT	PH	PANEL	CIRCUIT	SIZE	POLE	NO	SIZE	COND.	FURN.	INST.	WIRED	LOC.	TYPE	FURN.	INST.	WIRED	LOC.	TYPE	NOTE
BP-1	BOILER PUMP - 1	#105	270-WATTS	120	1	N1	4	20	1	2	12	1/2"	EC	EC	EC	NU	D/S						
BP-2	BOILER PUMP - 2	#105	270-WATTS	120	1	N1	4	20	1	2	12	1/2"	EC	EC	EC	NU	D/S						
HWP-1	HOT WATER PUMP - 1	#105	1-HP	208	3	N1	6	20	3	3	12	1/2"	HC	HC	EC	NU	VFD						
HWP-2	HOT WATER PUMP - 2	#105	1-HP	208	3	N1	8	20	3	3	12	1/2"	HC	HC	EC	NU	VFD						
RTU-1	ROOF TOP UNIT - 1	ROOF	163MCA	208	3	-	-	200	3	3	4/0	2"											
EF-1	EXHAUST FAN - 1	#217	1/4	120	1	N2	4	20	1	2	12	1/2"											1
EF-2	EXHAUST FAN - 2	#219	1/4	120	1	N2	4	20	1	2	12	1/2"											1
EF-3	EXHAUST FAN - 3	#127	3.5AMPS	120	1	N1	2	20	1	2	12	1/2"											
EF-4	EXHAUST FAN - 4	#127	207-WATTS	120	1	N1	2	20	1	2	12	1/2"											
EF-5	EXHAUST FAN - 5	#217	1/2	120	1	N2	2	20	1	2	12	1/2"	EC	EC	EC	NU	D/S						2
EF-6	EXHAUST FAN - 6	#219	95-WATTS	120	1	N2	2	20	1	2	12	1/2"											3

ABBREVIATIONS:

2SP =	2 SPEED MAGNETIC STARTER	HV =	HVAC CONTRACTOR	HOA =	HAND-OFF-AUTO
BOL =	BUILT-IN OVERLOAD	IU =	IN UNIT	MCA =	MINIMUM CIRCUIT AMPS
CS =	COMBINATION STARTER	LMRS =	LOCKABLE MOTOR RATED SWITCH	MFR =	MANUFACTURER
EC =	ELECTRICAL CONTRACTOR	MAN =	MANUAL STARTER	NFD =	NON-FUSIBLE DISCONNECT
ECP =	ELEVATOR CONTROL PANEL	MAG =	MAGNETIC STARTER	NU =	NEAR UNIT
EV =	ELEVATOR CONTRACTOR	MC =	MECHANICAL CONTRACTOR	OU =	ON UNIT
FD =	FUSIBLE DISCONNECT	MCC =	MOTOR CONTROL CENTER	PC =	PLUMBING CONTRACTOR

PL =	PILOT LIGHT
RVS =	REDUCED VOLTAGE STARTER
TCP =	TEMPERATURE CONTROL PANEL
T-STAT =	THERMOSTAT
VFD =	VARIABLE FREQUENCY DRIVE
WP =	WEATHERPROOF
STST =	START/STOP

NOTES:

1. DISCONNECT AND SPEED CONTROLLER BY HC, WIRED BY EC
2. WIRED THRU A CONTROLLER LOCATED IN #122
3. WIRE THRU A CONTROL THERMOSTAT

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849 E. Washington Ave., Ste 112
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ISSUED

PROJECT
DANE COUNTY
DAY RESOURCE CENTER
615 E WASHINGTON AVE
MADISON WISCONSIN

DRAWING
ELECTRICAL SCHEDULES

DATE
03-09-17

E600

PANEL N2

150 AMPS MCB 208Y/120V VOLT 3 PHASE 4 WIRE FLUSH MOUNTING

BREAKER		DESCRIPTION	Load	CIRCUIT		PHASE LOADS			CIRCUIT		Load	DESCRIPTION	BREAKER	
AMPS	POLES		Category	WATTS	#	A	B	C	#	WATTS	Category		AMPS	POLES
20	2	LIGHTS - SITE	L	800	1	1500			2	700	V	MOTORS EF-5 -EF-6	20	1
-	-	LIGHTS - SITE	L	800	3		2000		4	1200	V	MOTORS EF-1 -EF-2	20	1
20	1	S.O.-SIGN-2	L	1000	5			1200	6	200	R	S.O. WC-3	20	1
20	1	S.O.-SIGN-1	L	1000	7	1700			8	700	R	S.O.UCR-2	20	1
20	1	S.O.-GATE	R	1500	9		2200		10	700	R	S.O. REF-1	20	1
20	1	LIGHTS	L	1500	11			3000	12	1500	R	S.O. MW-5	20	1
20	1	LIGHTS	L	1500	13	3000			14	1500	R	S.O. R1	20	2
20	1	S.O. HD-1	H	1500	15		3000		16	1500	R	S.O. R1	-	-
20	1	S.O. HD-2	H	1500	17			3000	18	1500	R	S.O. R2	20	2
20	1	S.O. HC	R	500	19	2000			20	1500	R	S.O. R2	-	-
20	1	S.O. GD-3	R	1500	21		3000		22	1500	R	S.O. MW-1	20	1
20	1	S.O. CP-2	R	200	23			1280	24	1080	R	RECEPTACLES - 6	20	1
20	1	SO.O.ACP-1	R	500	25	1580			26	1080	R	RECEPTACLES - 6	20	1
20	1	SO.O.ACP-2	R	500	27		1220		28	720	R	RECEPTACLES - 4 GFI	20	1
20	1	SO.O.ACP-3	R	500	29			1500	30	1000	R	RECEPTACLE - 1	20	1
20	1	RECEPTACLES - 5	R	900	31	2160			32	1260	R	FLOOR RECEPTACLES	20	1
20	1	FLOOR RECEPTACLES	R	1260	33		2520		34	1260	R	FLOOR RECEPTACLES	20	1
20	1	FLOOR RECEPTACLES	R	1260	35			2160	36	900	R	RECEPTACLES - 5	20	1
20	1	RECEPTACLES - 6	R	1080	37	2160			38	1080	R	RECEPTACLES - 6	20	1
20	1	RECEPTACLES - 6	R	1080	39		2160		40	1080	R	RECEPTACLES - 6	20	1
20	1	RECEPTACLES - 6	R	1080	41			2340	42	1260	R	RECEPTACLES - 7	20	1
20	1	RECEPTACLES - 6	R	1080	43	2160			44	1080	R	RECEPTACLES - 6	20	1
20	1	RECEPTACLES - 5	R	900	45		1980		46	1080	R	RECEPTACLES - 6	20	1
20	1	RECEPTACLES - 5	R	900	47			1900	48	1000	R	A-V DEVICES (2)	20	1
20	1	SPARE			49	1000			50	1000	R	A-V DEVICES (3)	20	1
20	1	SPARE			51		1000		52	1000	R	A-V DEVICES (4)	20	1
20	1	SPARE			53			1000	54	1000	R	A-V DEVICES (5)	20	1
		SPACE			55	0			56			SPARE	20	1
		SPACE			57		0		58			SPARE	20	1
		SPACE			59			0	60			SPARE	20	1
						17260	19080	17380				PANEL TOTAL LOADS =	53720	WATTS
													149.112	AMPS

NOTES:

1) SHARED NEUTRALS ARE NOT ACCEPTABLE THROUGHOUT THIS PROJECT. EACH BREAKER MUST HAVE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT.

PANEL N1

300 AMPS MCB 208Y/120V VOLT 3 PHASE 4 WIRE SURFACE MOUNTING

BREAKER		DESCRIPTION	Load	CIRCUIT		PHASE LOADS			CIRCUIT		Load	DESCRIPTION	BREAKER	
AMPS	POLES		Category	WATTS	#	A	B	C	#	WATTS	Category		AMPS	POLES
20	1	LIGHTS	L	1500	1	2127			2	627	V	MOTORS EF-3 -EF-4	20	1
20	1	LIGHTS	L	1500	3		2040		4	540	V	MOTORS BP-1 -BP-2	20	1
20	1	S.O. COF-1	R	1250	5			2750	6	1500	R	MOTOR HWP-1	20	1
20	1	S.O. COMREF	R	1500	7	3000			8	1500	R	MOTOR HWP-2	20	1
20	1	S.O. CP-1	R	500	9		1000		10	500	R	S.O. FACP	20	1
20	1	S.O. CPY-1	R	1500	11			3000	12	1500	R	S.O. GD-1	20	1
20	1	S.O. DW	R	1500	13	3000			14	1500	R	S.O. GD-2	20	1
20	1	S.O. EWC	R	500	15		1000		16	500	R	S.O. HCAP	20	1
20	1	S.O. HD-7	R	1500	17			3000	18	1500	R	S.O. HD-3	20	1
20	1	S.O. HOD	R	500	19	2000			20	1500	R	S.O. HD-4	20	1
20	2	S.O. HWC	R	500	21		2000		22	1500	R	S.O. HD-5	20	1
-	-	S.O. HWC	R	500	23			2000	24	1500	R	S.O. HD-6	20	1
20	1	S.O. MW-2	R	1500	25	5660			26	4160	R	S.O. RNG	50	2
20	1	S.O. MW-3	R	1500	27		5660		28	4160	R	S.O. RNG	-	-
20	1	S.O. MW-4	R	1500	29			1700	30	200	R	S.O. TC	20	1
20	1	S.O. UCR-1	R	500	31	700			32	200	R	S.O. WC1 & WC2	20	1
30	2	S.O. W/D-1 -DRYER	R	2496	33		3396		34	900	R	RECEPTACLES - 5	20	1
-	-	S.O. W/D-1 -DRYER	R	2496	35			3576	36	1080	R	RECEPTACLES - 6	20	1
30	2	S.O. W/D-2 -DRYER	R	2496	37	3396			38	900	R	RECEPTACLES - 5	20	1
-	-	S.O. W/D-2-DRYER	R	2496	39		3576		40	1080	R	RECEPTACLES - 6	20	1
20	1	S.O. W/D-2-WASHER	R	500	41			1400	42	900	R	RECEPTACLES - 5	20	1
30	2	S.O. W/D-3 -DRYER	R	2496	43	3756			44	1260	R	RECEPTACLES - 7	20	1
-	-	S.O. W/D-3-DRYER	R	2496	45		3576		46	1080	R	RECEPTACLES - 6	20	1
20	1	S.O. W/D-3-WASHER	R	500	47			1580	48	1080	R	RECEPTACLES - 6	20	1
30	2	S.O. W/D-4 -DRYER	R	2496	49	3576			50	1080	R	RECEPTACLES - 6	20	1
-	-	S.O. W/D-4-DRYER	R	2496	51		3576		52	1080	R	RECEPTACLES - 6	20	1
20	1	S.O. W/D-4-WASHER	R	500	53			1750	54	1250	R	RECEPTACLE - 1	20	1
30	2	S.O. W/D-5 -DRYER	R	2496	55	3746			56	1250	R	RECEPTACLE - 1	20	1
-	-	S.O. W/D-5-DRYER	R	2496	57		3746		58	1250	R	RECEPTACLE - 1	20	1
20	1	S.O. W/D-5-WASHER	R	500	59			1750	60	1250	R	RECEPTACLE - 1	20	1
30	2	S.O. W/D-6 -DRYER	R	2496	61	3996			62	1500	R	RECEPTACLES - 2	20	1
-	-	S.O. W/D-6-DRYER	R	2496	63		3996		64	1500	R	RECEPTACLES - 2	20	1
20	1	S.O. W/D-6-WASHER	R	500	65			2000	66	1500	R	RECEPTACLES - 3	20	1
30	2	S.O. W/D-7 -DRYER	R	2496	67	3036			68	540	R	RECEPTACLES - 3	20	1
-	-	S.O. W/D-7 -DRYER	R	2496	69		3036		70	540	R	RECEPTACLES - 3	20	1
20	1	S.O. W/D-7-WASHER	R	500	71			1500	72	1000	R	A-V DEVICES	20	1
20	1	S.O. WH-1 & WH-2	H	432	73	432			74			SPARE	20	1
20	1	S.O. WS	H	500	75		500		76			SPARE	20	1
20	1	SPARE			77			0	78			SPARE	20	1
20	1	SPARE			79	0			80			SPACE		
20	1	SPARE			81		0		82			SPACE		
20	1	SPARE			83			0	84			SPACE		
						38425	37102	26006				PANEL TOTAL LOADS =	101533	WATTS
													281.827	AMPS

NOTES:

1) SHARED NEUTRALS ARE NOT ACCEPTABLE THROUGHOUT THIS PROJECT. EACH BREAKER MUST HAVE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT.

TIME CLOCK SCHEDULE

NO.	MAKE	CATALOG NO.	TYPE	LOCATION	TO CONTROL	REMARKS	SEE NOTE
a	TORK	DGLC	7-DAY	MECH RM. #105	C a (PHOTOCELL "ON" / TIMECLOCK "OFF") C b (PHOTOCELL "ON" / PHOTOCELL "OFF")	OR APPROVED EQUIVALENT	1

NOTE:

1. EXISTING PHOTOCELL, INTERLOCK FOR REQUIRED CONTROL.

CONTACTOR SCHEDULE

NO.	MAKE	CATALOG NO.	LOCATION	TOTAL POLES	CIRCUITS TO CONTROL	TO CONTROL	LOCATION	SEE NOTE
a	SQUARE D	8903LG04V02	MECH RM. #105	4	N1-1, 3	TC a (PHOTOCELL ON/TIMECLOCK OFF)	MECH RM. #105	1
b	SQUARE D	8903LG04V02	MECH RM. #105	4	N1-2, N1-5	TC a (PHOTOCELL ON/PHOTOCELL OFF)	MECH RM. #105	1

NOTE:

1. OR APPROVED EQUIVALENT

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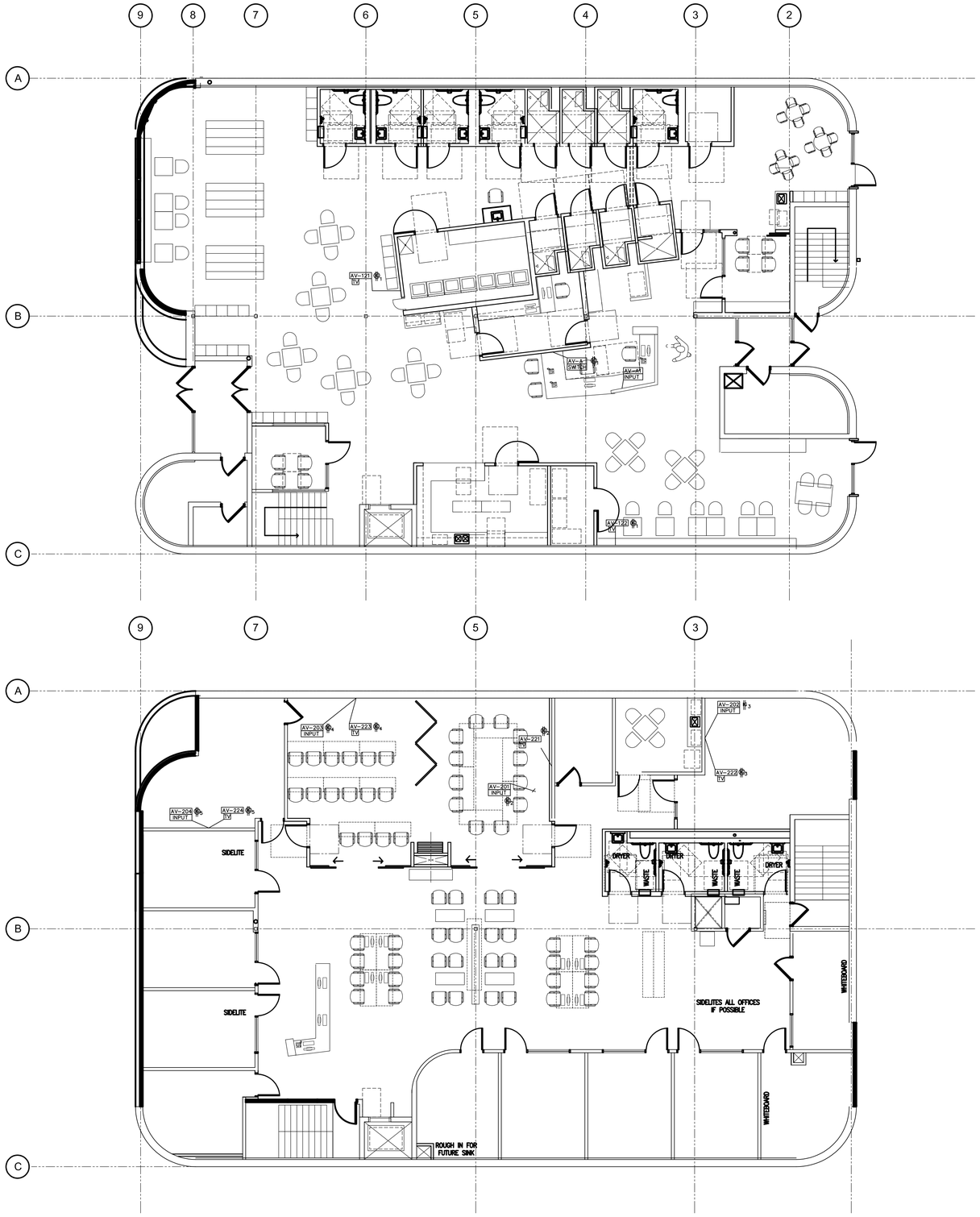
ISSUED

PROJECT
DANE COUNTY
DAY RESOURCE CENTER
615 E WASHINGTON AVE
MADISON WISCONSIN

DRAWING
ELECTRICAL SCHEDULES

DATE
03-09-17

E601



NOTES

1. LOWER CIRCUITS AT STANDARD OUTLET HEIGHT
2. UPPER CIRCUITS AT 72 IN. A.F.F.

SYMBOLS

3	AV SYSTEM ISOLATED GROUND ELECTRICAL OUTLET – DIGIT IDENTIFIES CIRCUIT NUMBER
AV–101	AV SYSTEM JUNCTION BOX – FIRST FLOOR LOWER WALL
AV–121	AV SYSTEM JUNCTION BOX – FIRST FLOOR UPPER WALL
AV–201	AV SYSTEM JUNCTION BOX – SECOND FLOOR LOWER WALL
AV–221	AV SYSTEM JUNCTION BOX – SECOND FLOOR UPPER WALL
AV–A	AV SYSTEM JUNCTION BOX – MAJOR WIRE PULL POINT
INPUT	AV SYSTEM INPUT PANEL
TV	VIDEO DISPLAY/MONITOR

SCALE 1/8" = 1'0"

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DSH Audio Visions
MILWAUKEE, WI
A/V SYSTEM
DESIGNER

ISSUED

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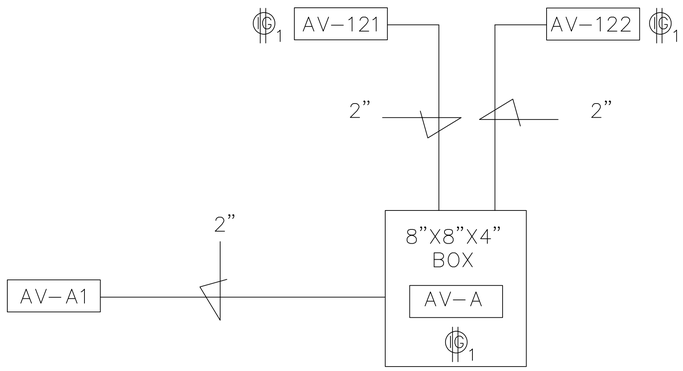
DAY RESOURCE CENTER
615 E WASHINGTON AVE
MADISON WISCONSIN

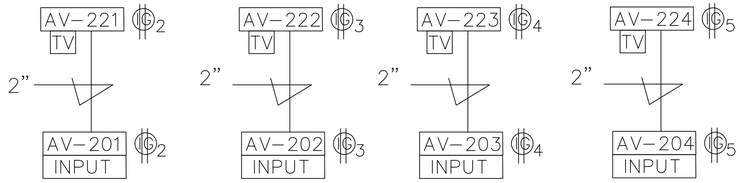
DRAWING
AV DESIGN LAYOUT

DATE
03.09.17

AVS-2.1



FIRST FLOOR CONDUIT REQUIREMENT



SECOND FLOOR CONDUIT REQUIREMENT

1–GANG STAINLESS PLATE WITH NEUTRIK NAHDMI–W–B HDMI CONNECTOR. TYPICAL AT ALL DEVICE LOCATIONS EXCEPT AV–A.

NOTES:

1. THE SYMBOL IG 1 INDICATES AN ELECTRICAL CIRCUIT DEDICATED TO A/V. THE "IG" NOTATION INDICATES ISOLATION, WHICH IS PROVIDED BY THE SURGEX POWER CONDITIONING UNITS AT EACH TV LOCATION AND AT DEVICE LOCATION AV–A. THE NUMERAL INDICATES THE PROPOSED CIRCUIT NUMBER.

2. PRE–CONFIGURED HDMI CABLES WITH CONNECTORS WILL BE PULLED THROUGH THE CONDUIT. THEREFORE THE 2–INCH I.D. REQUIREMENT IS FIRM.

3. DEVICE AV–201 SHALL BE A WIREMOLD EVOLUTION SERIES FLOOR BOX FITTED WITH A DUPLEX ELECTRICAL OUTLET AND A 1–GANG STAINLESS PLATE WITH NEUTRIK NAHDMI–W–B HDMI CONNECTOR.

4. ALL DEVICE LOCATIONS EXCEPT AV–A SHALL UTILIZE A 1–GANG DEEP BOX TO ACCOMMODATE HDMI CONNECTORS AND WIRES.

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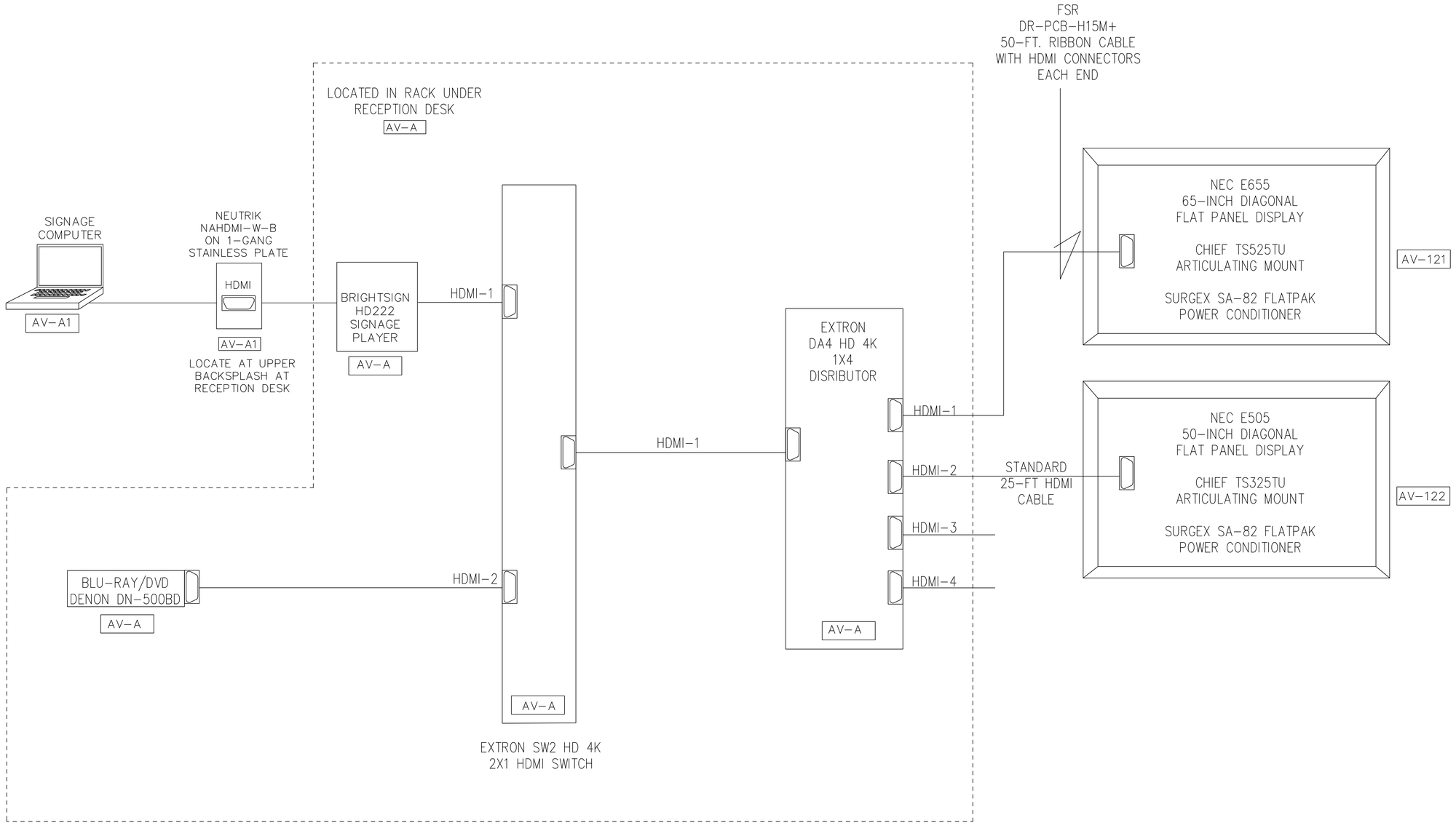
AVS-3.1



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AVS-4.1