									<u></u>
				ABBREVIATI					ELECTRICAL SPECIFICATIONS
	A.F.I A C.B.		ABOVE FINISHED FLOOR  AMP  CIRCUIT BREAKER	KW M.C.B. M.H.		KILOWATT MAIN CIRC MOUNTING	CUIT BREAK	KER	WIRING METHODS  A. ALL CONDUCTORS SHALL BE COPPER, CONFORMING TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, STRANDED FOR NO. 8 AWG AND LARGER, SOLID FOR NO. 10 AWG AND SMALLER.  B. THE USE OF ALUMINUM CONDUCTORS FOR ANY PURPOSE SHALL NOT BE ACCEPTABLE.
	С.		CONDUIT	м.п. М.L.О.		MAIN LUG			C. MINIMUM SIZE CONDUCTOR SHALL BE NO. 12 AWG.  D. CONDUCTORS SHALL BE THERMOPLASTIC TYPE THHN/THWN. ALL WIRE AMPACITIES SHALL BE LIMITED TO THE 75
	D E.C.		DEDICATED EMPTY CONDUIT	N.E.C. N.F.S.S.			ELECTRIC ED SAFETY		DEGREES CENTIGRADE COLUMN OF TABLE 310-16 OF THE NEC.  E. ALL CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
	EPO		EMERGENCY POWER OFF			PANEL	ED SAFEII	ЭМПОП	G. ALL WIRING IN NON-PATIENT CARE AREAS SHALL BE INSTALLED IN CONDUIT (EMT OR FLEXIBLE METAL CONDUIT).  MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH. INSTALL ALL CONDUITS IN RUNS WHICH ARE PARALLEL AND
	E.W.		ELECTRIC WATER COOLE				COMPUTE	R	PERPENDICULAR WITH BUILDING LINES. TYPE MC OR AC CABLE MAY BE USED IN LIEU OF EMT IN CONCEALED SPACES WHERE PERMITTED BY CODE.
	F.A. FAAF		FIRE ALARM FIRE ALARM ANNUNCIATO	Ø OR PANFI P		PHASE POLE			H. INSTALL ALL CONDUITS IN RUNS WHICH ARE PARALLEL AND PERPENDICULAR WITH BUILDING LINES.  I. ALL VOICE, DATA AND TV OUTLETS SHALL BE PROVIDED WITH PLASTER RING AND NYLON PULL STRING UP TO CEILING
	FACI		FIRE ALARM CONTROL P.			RECEPTAC	LE		PLENUM ABOVE, IN HOLLOW SLAB TO CEILING WALLS. IN WALLS THAT ARE SLAB TO SLAB OR INSULATED, PROVIDE A 1900 BOX WITH A SINGLE GANG PLASTER RING, EXTEND A 1-INCH CONDUIT UP TO CEILING PLENUM FROM 1900 BOX
	F.S.		FUSED SAFETY SWITCH	RM.		ROOM			AND INSTALL A NYLON PULL STRING.  J. CONTRACTOR SHALL PROVIDE MINIMUM NO. 10 AWG CONDUCTOR SIZE IN BRANCH CIRCUIT RUNS OVER 75 FEET IN
	G.A. G.F.I		GRAPHIC ANNUNCIATOR GROUND-FAULT INTERRU			TYPICAL TAMPER R	ESISTANT		LENGTH FOR 120V CIRCUITS.  K. ALL RACEWAYS SHALL BE CONCEALED WHERE POSSIBLE. WHERE RACEWAYS CANNOT BE CONCEALED, IT SHALL BE
	НР		HORSEPOWER	U.O.N.			THERWISE	NOTED	INSTALLED AT ARCHITECT'S DIRECTION.  L. CONTRACTOR SHALL PROVIDE TYPED PANEL DIRECTORIES FOR ALL PANELS. THE DIRECTORY SHALL INDICATE DEVICE
	H.W. I.G.	HTR.	HOT WATER HEATER ISOLATED GROUND	V W		VOLT WATT			SERVED AND LOCATION OF DEVICE.  M. ALL CONNECTORS AND/OR COUPLERS SHALL BE STEEL. CAST FITTINGS ARE NOT ACCEPTABLE.  N. CONTRACTOR SHALL DERATE CONDUCTORS PER NATIONAL ELECTRICAL CODE AND PROVIDE ONE NEUTRAL CONDUCTOR FOR
	J.B.		JUNCTION BOX	w WP.		WEATHER	PROOF		EACH THREE PHASE CONDUCTORS IF MORE THAN THREE PHASE CONDUCTORS ARE INSTALLED IN A SINGLE PIPE.  O. CONTRACTOR SHALL PROVIDE AND INSTALL TYPE AC, HCF, OR 4-CONDUCTOR MC CABLE FOR ALL BRANCH CIRCUIT
				XFMR		TRANSFOR	RMER		WIRING SERVING ISOLATED GROUND TYPE RECEPTACLES (I.G.). THE CONTRACTOR SHALL ENSURE THAT THE ISOLATED  GROUND CONDUCTOR IS A MINIMUM NO. 12 AWG COPPER CONDUCTOR AND THAT A SEPARATE EQUIPMENT GROUND PATH
		LIG	HTING FI	XTURE SCH	FD		•		IS PROVIDED (UL LISTED). THE ISOLATED GROUND AND EQUIPMENT GROUND MAY NOT BE COMBINED.
				TONE SOIT				1	SERVICE EQUIPMENT  A. PROVIDE THE ELECTRICAL SERVICE ENTRANCE AND DUCT BANK REQUIREMENTS AS SHOWN AND IN ACCORDANCE WITH THE
FIXT. TYPE	SYMBOL	BRAND	DESCRIPTION	CATALOG NO.	COLOR TEMP.	LUMENS	MAX. INPU WATTS	VOLTAGE	B. COORDINATE ALL WORK FOR ELECTRICAL SERVICE WITH POWER COMPANY SERVICING THE PROJECT AND PROVIDE SERVICE
<b></b>	Ю	BARNLIGHT	EXTERIOR WALL SCONCE	BLE-G-DCS16-355-G65-355 -NA-NA-NA-CLR-DD-E26	2700	1000	-	120	ENTRANCE DUCT BANKS, PADS, TRANSFORMERS, AND METERS TO THEIR STANDARDS AND REGULATIONS.  C. THE CONTRACTOR SHALL NOTIFY THE LOCAL ELECTRIC UTILITY COMPANY OF THE REQUIREMENTS AND SHALL ARRANGE FOR ALL SERVICE FACILITIES. CONNECTIONS AND METERING FOLLOPMENT.
<b>②</b>	Ю	REJUVENATION	ROSE CITY 2-1/4"	ITEM#: A7468;	2700	800	<del>  _</del>	120	ALL SERVICE FACILITIES, CONNECTIONS, AND METERING EQUIPMENT.  D. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NOT FURNISHED BY THE UTILITY COMPANY FOR BRINGING SERVICE INTO THE BUILDING. ANY COSTS FOR THE UTILITY COMPANY'S WORK WILL BE PAID BY THE OWNER.
		LIZETZINATION	SCONCE	FINISH: OLD BRASS SOCKET TYPE: E26;					SERVICE INTO THE BUILDING. ANY COSTS FOR THE UTILTY COMPANY'S WORK WILL BE PAID BY THE OWNER.  E. PROVIDE MAIN SERVICE EQUIPMENT OF THE SIZE AND TYPE INDICATED BEARING A UL LABEL.
3	Ю	RE-IIIVENIATION	THURMAN WALL SCONCE	SHADE: B0466 ITEM#: A0744	_		<del>  _</del>	120	GROUNDING  A. GENERAL
		REGOVERATION	THORIMAN WALL GOORGE	FINISH: BRUSHED NICKEL; SOCKET TYPE: E26;					i. MINIMUM REQUIREMENTS FOR EQUIPMENT GROUNDING SHALL BE GOVERNED BY THE LATEST NATIONAL ELECTRIC CODE AND OSHA. GROUNDING REQUIREMENTS FOR THIS PROJECT ARE INTENDED TO EXCEED SUCH MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY AND ALL ITEMS NECESSARY TO MEET THESE
		WAC	HORIZONTAL LED LEDGE	SHADE: B0351 WL-LED140-C-BR	3000K			120	REQUIREMENTS. THE CONTRACTOR SHALL FURNISH AND INSTALL AND ALL TIEMS NECESSART TO MEET THESE REQUIREMENTS AT NO EXTRA COST, EVEN IF SUCH ITEMS ARE NOT DETAILED ON THE DRAWINGS OR LISTED HEREIN.  II. THE WORK SPECIFICALLY ENTAILS AN EQUIPMENT SYSTEM WHICH SHALL BE A PERMANENT, CONTINUOUS—BONDING
<b>4</b>	Ю	LIGHTING WAC	STEP & WALL LIGHT LOW VOLTAGE LED TAPE		3000K	lm/ft		24	SYSTEM WITH NONCURRENT-CARRYING PARTS OF THE ELECTRICAL SYSTEM, BUILDING STEEL, AND MAJOR STRUCTURAL AND EQUIPMENT.
\$		LIGHTING		OUTPUT WHITE LIGHT	3000K			(NOTE 1)	
6		LIGHTING	LIGHT			,	(0) \	(NOTE 1)	ARABUR ANDURATION AND THE PROPERTY OF THE ARABUR BUG TO THE ATREET OF ACTUAL MATTER APPLIES FOR
🍪		EXTRUSION LIGHTING	LOW VOLTAGE LED STRIP LIGHTING	(4) X 24308 END CAPS (1)		-RGB+CCT	DMX (2) X	DMX512s	LOCATED OUTSIDE OF THE BUILDING. C. <u>DISTRIBUTION SYSTEM GROUNDING</u>
♦	<u></u>	REJUVENATION	ROSE CITY 2-1/4"FITTER	(9) X K-1920-120-RGB-24 (1) ITEM#: A1245	2700	1	-	120	ALL FEEDERS, IF RUNNING IN METAL RACEWAY SYSTEM USING COMPRESSION CONNECTORS, NEED NOT CARRY A GROUND WIRE, UNLESS OTHERWISE REQUIRED BY CODE. THE CONDUIT IS THEN DEPENDED ON FOR GROUND CONTINUITY. ALL
	1		CHAIN PENDANT	FINISH: OLD BRASS; SOCKET TYPE: E26;					COUPLINGS SHALL BE MADE TIGHT TO PERSERVE THIS CONTINUITY. EACH CONDUIT ORIGINATING FROM A PANEL WHERE A GROUNDING BUSHING IS BONDED TO THE GROUNDING BUS OF THE PANEL SHALL HAVE A SEPARATE GROUND CONDUCTOR.
8		REJUVENATION	ROSE CITY 2-1/2"FITTER	SHADE: B0462 ITEM#: A5959	_	_	_	120	<u>FEEDERS AND BRANCH CIRCUITS</u> A. <u>FEEDERS</u>
	Ψ		CHAIN PENDANT 20" O.A.	FINISH: OLD BRASS; SOCKET TYPE: E26;					<ul> <li>i. CLASSIFY CIRCUITS AS FEEDERS IF CONDUCTORS ARE LARGER THAN NO. 4 AWG.</li> <li>ii. INSTALL FEEDERS OF 208 VOLTS IN ELECTRIC METALLIC TUBING IN THE INTERIOR OF THE BUILDING,</li> </ul>
<b>③</b>	Ю	LEVITON	PORCELAIN SOCKET	SHADE: B0467 #9874	2700	800		120	PROVIDING THE FOLLOWING CONDITIONS ARE STRICTLY ADHERED TO; IF NOT, PROVIDE RIGID STEEL CONDUIT FO THESE FEEDERS.
9	-		EASTMORELAND 10"	" ITEM#: A5959	2700	800	60	120	a. METALLIC TUBING SHALL NOT BE INSTALLED IN CONTACT WITH THE EARTH OR WHERE PROHIBITED BY NEC OR LOCAL CODES.  iii. FITTINGS FOR ELECTRIC METALLIC TUBING SHALL BE COMPRESSION TYPE; HOWEVER, AT THE OPTION OF THE
	Ψ	REJUVENATION	FLUSH MOUNT	FINISH: OLD BRASS; SOCKET TYPE: E26;	2,00			.20	CONTRACTOR, FITTINGS MAY BE SET SCREW OR INDENTOR TYPE IF MADE OF STEEL. A SEPARATE GROUND CONDUCTOR SHALL BE PROVIDED IF NECESSARY.
	<u></u>	WILLIAMS	TUNARIF 4.5" RECESSED	SHADE: B0467 4DR-L13/9TC-DIM-120-A-		_	24	120	iv. WHERE TWO OR MORE FEEDERS PASS THROUGH A PULL BOX, EACH SHALL BE CLEARLY IDENTIFIED WITH TAGS GIVING THE ELECTRICAL CHARACTERISTICS, SOURCE, AND DESTINATION OF EACH FEEDER CIRCUIT.
	<del>-</del>	TBD	DOWNLIGHT STAGE LIGHTING	WW-OF-BL-BL FURNISHED BY OWNER		_		120	B. <u>Branch circuits</u> i. Homeruns to the panelboard may be run together in one conduit, provided all connections are
<b>♦</b>	1	STONCO	VAPOR PROOF LIGHTING	INSTALLED BY CONTRACTOR #VK1GC	2700	800	100	120	IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL ELECTRICAL CODE REQUIREMENTS AND THE MAXIMUM UNBALANCED CURRENT IN NEUTRAL DOES NOT EXCEED THE CAPACITY OF THE WIRE. NO
$\bigcirc$	<del>+</del>	SOUTHWIRE	OUTDOOR WALL SCONCE	"					MORE THAN THREE SINGLE PHASE CIRCUITS SERVED FROM DIFFERENT PHASES OR ONE THREE PHASE CIRCUIT SHALL BE INSTALLED IN ONE RACEWAY.
•		(HOMEDEPOT)		HAMMERED BLK, WEATHER TIGHT	2700	800	-	120	ii. ALL BRANCH CIRCUIT WIRING FOR MECHANICAL EQUIPMENT SHALL BE INSTALLED IN EMT OF 1/2" MINIMUM.  iii. CONDUCTORS SHALL BE CONTINUOUS (SPLICE FREE) FROM TERMINATION TO TERMINATION. PROVIDE  BULL DOVES AS A RECESSARY TO FLAVINATE SPLICES AND APPROVIDED APPROVIDED AND APPROVIDED APPROVIDED APPROVIDED AND APPROVIDED APPROVIDED AND APPROVIDED APPROVI
<b>③</b>	Ю	EMERGENCY			-	-	9.0	120	PULLBOXES AS NECESSARY TO ELIMINATE SPLICES WHERE SPLICES ARE ABSOLUTELY NECESSARY; SPLICE IN READILY ACCESSIBLE PULL, JUNCTION OR OUTLET BOX.
	<del>                                     </del>	REJUVENATION	ROSE CITY 2-1/4"FITTER CHAIN PENDANT	ITEM#: A5959 FINISH: OLD BRASS;	-	-	-	120	WIRING DEVICES  A. ALL WIRING DEVICES SHALL BE PROVIDED AS LOCATED IN THE ARCHITECTURAL PLANS AND AS IDENTIFIED IN THE
			32" O.A.	SOCKET TYPE: E26; SHADE: B0467					SYMBOL LIST.  B. ALL OUTLET BOXES SHALL BE GALVANIZED STEEL, AT LEAST 1 — 1/2 INCH DEEP AND OF SUFFICIENT SIZE TO ACCOMMODATE THE WIRING DEVICES AND/OR WIRING TO BE INSTALLED.
$\Diamond$		CREE LIGHTING	RECESSED LED DOWNLIGHT	CR4 575L 35K 120 E26	3500K	575	_	120	C. OUTLET BOXES FOR WIRING DEVICES IN FINISHED WALLS SHALL BE ONE PIECE STANDARD GANG TYPE OF SIZE TO ACCOMMODATE NUMBER OF DEVICES NOTED. BOXES SHALL HAVE PLASTIC COVERS TO BRING BOX OPENING FLUSH
<b>(</b>	×	HUNTER	52" WINGATE TUNABLE WHITE LED	-	TUNABLE LED	-	_	120	WITH FINISHED WALL OR NOT MORE THAN 1/4 INCH IN BACK OF SAME.  D. WIRING DEVICES OF THE SAME OR SIMILAR TYPE SHOWN ADJACENT TO EACH OTHER ON THE DRAWINGS SHALL BE
<b>(</b>		REJUVENATION		ITEM#: A5959 FINISH: OLD BRASS;	-	_	-	120	INSTALLED IN A MULTI-GANGED OUTLET BOX AND UNDER A COMMON COVERPLATE. REFER TO ALL APPLICABLE NOTES.  E. PROVIDE THE FOLLOWING TYPE OF DEVICES FOR THE PROJECT: NOTE: FINAL APPROVAL OF DEVICE AND COVERPLATE
				SOCKET TYPE: E26; SHADE: B0467					COLOR SHALL BE BY ARCHITECT.  1) DUPLEX RECEPTACLES 2P, 3W, 20A, 125V; P&S CAT. NO. 26352-W (WHITE).
<b>Ø</b>	<del>-</del>	REJUVENATION	THURMAN 3 1/4"	ITEM#: A4976 FINISH: BRUSHED NICKEL;	_	_	100	120	2) DUPLEX RECEPTACLES 2P, 3W, 20A, 125V; GROUND FAULT CIRCUIT INTERRUPTER; P&S CAT. 6) SINGLE-WAY FLUSH TUMBLER SWITCH (20A); P&S CAT. NO. 2621-W (WHITE).
	'		SURFACE MOUNTED	SOCKET TYPE: E26; SHADE: B3584-OP					8) THREE-WAY FLUSH TUMBLER SWITCH (20A); P&S CAT. NO. 2623-W (WHITE). 9) COVER PLATES FOR DEVICES LISTED ABOVE SHALL BE (WHITE).
<b>\$</b>	<u> </u>	REJUVENATION	ROSE CITY 6" FITTER	ITEM#: A0016 FINISH: OLD BRASS	2700K	990	12	120	10) COVER PLATES AT WALL COVERING SHALL BE PAINTED TO MATCH, SEE ARCHITECTURAL FINISH PLANS.  F. CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE NEUTRAL CONDUCTOR FOR EACH GROUND FAULT INTERRUPTER
	Υ		LED ROD PENDANT	SHADE: B0473					RECEPTACLE.  PANELBOARDS
♦	<del> </del>	REJUVENATION		ITEM#: A3167 FINISH: OIL RUBBED BRONZE	2700K	800	-	120	A. PROVIDE DEAD FRONT PANELBOARDS SIZED, RATED AND COMPLETE WITH THE QUANTITY AND SIZE OF CIRCUIT BREAKERS AS SHOWN ON THE CONTRACT DRAWINGS AND AS SPECIFIED BELOW.  BANEL BOARDS SHALL BE STANDARD CATALOG ITEMS COURTYING WITH NEG THE AND NEWA STANDARDS AND DEAD THE
< <li>♦</li>	<b>₩</b>	HUNTER	52" OCEANA OUTDOOR	SHADE: B5344 –	_	_	_	120	B. PANEL BOARDS SHALL BE STANDARD CATALOG ITEMS COMPLYING WITH NEC, UL, AND NEMA STANDARDS AND BEAR THE LABEL OF UL.  C. PANELBOARDS SHALL BE IDENTIFIED BY LAMINATED PLASTIC NAMEPLATES INDICATING PANELBOARD DESIGNATION.
	×	WAC	WITH LED LIGHT	NAIRES MODEL L-LED20S-35-WT				1	D. PROVIDE COPPER FULL—SIZE PHASE AND NEUTRAL BUSSES WHICH HAVE BEEN RATED IN ACCORDANCE WITH UL 67 HEAT—RISE TESTS. BUS BAR CONNECTIONS SHALL BE COLUMN CONSECUTIVE PHASE—SEQUENCE TYPE. PANELBOARDS
<b>₹</b>	• • • • •	LIGHTING	AND 8' LO	NG TYPE L TRACK		1400	23	120	SHALL HAVE BUS BARS DRILLED AND EQUIPPED WITH ALL HARDWARE FOR BOLT—IN BREAKERS.  E. PROVIDE BOLTED ON GROUNDING BUS(ES) WITH MAIN LUG(S) UNLESS OTHERWISE NOTED.
♦	<del>-</del>	WAC LIGHTING	LOW VOLTAGE WALL WASHER	HR-D425LED W/ HR-8402E HOUSING	-	750	-	120	F. PANELBOARD SHORT CIRCUIT BRACING AND BREAKER INTERRUPTING CAPACITY SHALL BE AS INDICATED ON THE MANUFACTURERS' SHORT CIRCUIT AND FAULT CURRENT STUDY. LEVELS SHALL NOT BE LESS THAN 10,000 AMPERES RMS
♦	Ю	TBD	POSTER LIGHT BOX	TBD	-		-	120	SYMMETRICAL FOR 120/208 VOLT SERVICE. G. PROVIDE MANUFACTURES' STANDARD #16-GAGE (MINIMUM) GALVANIZED SHEET STEEL CABINETS WITH ENAMEL HINGED
♦	•	RAB LIGHTING	RECESSED EMERGENCY WAFER LIGHT	WFR6R129FA120WS	4000	990	12	120	FRONT COVER FOR DOOR IN DOOR CÖNSTRUCTION TO BOX, MASTER-KEYED DOOR LOCKS, MULTIPLE KNOCKOUTS, WIRING GUTTERS, AND TYPED CIRCUIT DIRECTORY DEPICTING EACH POLE POSITION IN A TWO COLUMN FASHION.
		LIGHTING		W/DRI-25-EMGR-DC EMERGENCY DRIVER				(NOTE 2)	H. BUSBARS SHALL BE SIZED TO LIMIT THE TEMPERATURE RISE WITHIN THE PANELBOARD TO 50°C WITH A 40°C AMBIENT TEMPERATURE. BUSBARS SHALL BE ROUND EDGE COPPER WITH BOLTED JOINT CONNECTIONS. BOLTED JOINT CONNECTION
		EXITLIGHT COMPANY	LED RECESSED EMERGENCY LIGHT	EL-RSLIM	-	-	3	120	LOCATIONS SHALL BE READILY ACCESSIBLE FOR MAINTENANCE.  I. PANELBOARD MAIN LUGS CONNECTED TO #6 AWG OR LARGER CONDUCTORS SHALL BE FURNISHED TO ACCOMMODATE  COMPRESSION CONNECTORS ADEQUATE WIRING SPACE SHALL BE PROVIDED TO ACCOMMODATE THE COMPRESSION.
	<b>(X</b> )	EXITLIGHT COMPANY	EDGE LIT LED EXIST SIGN	ELSM-R-RM (PROVIDE SINGLE OR DOUBLE SIDED AS REQUIRED:	-	_	5	120	COMPRESSION CONNECTORS. ADEQUATE WIRING SPACE SHALL BE PROVIDED TO ACCOMMODATE THE COMPRESSION CONNECTORS.  J. ALL TWO SECTION PANELBOARDS SHALL HAVE EQUIVALENT SHORT CIRCUIT BRACING AND BE CONNECTED WITH COPPER
				WHITE HOUSING FINISH)				4.5.5	J. ALL IWO SECTION PANELBOARDS SHALL HAVE EQUIVALENT SHORT CIRCUIT BRACING AND BE CONNECTED WITH COPPER CABLE EQUAL TO OR GREATER THAN THE MAIN BUS AMPERAGE CAPACITY.  K. PANELBOARD NEUTRAL BARS SHALL BE SIZED TO ACCOMMODATE THE NEUTRAL FEEDER SIZES NEUTRAL BARS AS MUCH AS
		EXITLIGHT COMPANY	WET LOCATION COMBINATION EXIT SIGN & EMERGENCY LIGHT	WLCOHD	-	-	5	120	200% ABOVE THE NEC MINIMUM REQUIREMENTS.  L. CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT WIRING, CONDUIT AND OVERCURRENT PROTECTION MEETING SUBMITTED AND

& EMERGENCY LIGHT

TRANSFORMER(S) SHALL BE FIELD COORDINATED WITH ARCHITECT.

EXITLIGHT

COMPANY

COMBINATION EXIT SIGN COMBOJR-R

- REFER TO ARCHITECTUAL PLANS

NEW LOCATION OF EXISTING SALVAGED LIGHT FIXTURE

2. THESE LIGHTS ARE INTENDED FOR EMERGENCY USE ONLY - NORMALLY OFF, ENERGIZE UPON LOSS OF POWER.

CONTRACTOR SHALL PROVIDE 120V-24V TRANSFORMER(S) PER LIGHTING MANUFACTURER'S RECOMMENDATIONS. LOCATION OF

CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT WIRING, CONDUIT AND OVERCURRENT PROTECTION MEETING SUBMITTED AND APPROVED EQUIPMENT'S RESPECTIVE NAMEPLATE DATA (MAXIMUM OVERCURRENT PROTECTION (MOCP) AND MINIMUM CIRCUIT AMPACITY (MCA)). ALL SURFACE-MOUNTED PANELS SHALL BE MOUNTED ON 12 GAUGE FORMED STEEL CHANNEL HAVING A CROSS-SECTION

DIMENSION OF AT LEAST 1-2 INCHES. THE CHANNEL AND FITTINGS SHALL HAVE GALVKROM OR HOT-DIPPED GALVANIZED FINISH. CHANNELS SHALL BE INSTALLED VERTICALLY AND OR HORIZONTALLY. CONTRACTOR SHALL INSTALL PANELBOARDS WITH PROPER NEC CLEARANCES. NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED, ENTER OR PASS THROUGH SUCH REQUIRED CLEARANCE SPACE.

### **ELECTRICAL GENERAL NOTES**

GENERAL

A. Provide under this Division complete plumbing and fire protection systems, fully adjusted, tested, and commissioned for use as indicated on the Drawings and as specified herein. CODES AND STANDARDS

The description of these Specifications, the scenarios are they apply form a part of these Specifications, the scenarios are they apply form a part of these Specifications, the scenarios are they apply form a part of these Specifications, the scenarios are they apply form a part of these specifications. Codes and standards listed herein, insofar as they apply, form a part of these Specifications, the same as if they were fully written and shall be followed as minimum requirements. Where standards conflict, that standard with the more stringent requirements shall be applicable. Where these specifications require higher grade material or workmanship than the referenced standards, provide the highest grade of material and workmanship specified.

Prior to purchase or installation, give written notice to the Architect of any materials or apparatus believed in violation of laws, ordinances, rules or regulations, or Authorities Having Jurisdiction.

The referenced codes shall include any and all supplements, addenda, memoranda, information bulletins and any other changes and additions effective prior to the permit issue date by adoption of the local Authority Having Jurisdiction.

Make any and all modifications required by the Authorities Having Jurisdiction without additional charge to the Where alterations to and/or deviations from the Contract Documents are required by the Authorities, report the requirements to the Architect and secure approval before starting the alterations.

Where Contract Documents' requirements are in excess of Code requirements and are permitted under the Code. the Contract Documents shall govern. All rules and regulations of the Underwriters Laboratories shall be complied with whether or not indicated in

the Contract Documents. H. All work shall comply with the following codes and standards. 2015 INTERNATIONAL CONSTRUCTION CODE (IBC) | USBC, Part I

2015 INTERNATIONAL ENERGY CONSERVATION CODE (w/ASHRAE 90.1 - 2004) 2015 INTERNATIONAL MECHANICAL CODE (IMC) 2015 INTERNATIONAL PLUMBING CODE (IPC) 2015 INTERNATIONAL FUEL GAS CODE (IFGC) 2014 INTERNATIONAL ELECTRIC CODE (NEC) www.nfpa.org

2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC) | USBC, Part II 2015 INTERNATIONAL FIRE CODE (IFC) Standards: In addition to the requirements shown or specified, comply with the latest current applicable

standards, specifications and codes published by the following (where the following publications list recommendations and guidelines, the recommendations and guidelines shall be considered requirements of this contract and the items and systems shall be constructed and/or tested in accordance with the recommendations and guidelines): American Society of Mechanical Engineers (ASME) American National Standards Institute (ANSI).

American Water Works (AWWA). American Society for Testing and Materials (ASTM) National Fire Protection Association (NFPA). Underwriters Laboratories (UL).

Manufacturer's Standardization Society of the Valves and Fittings Industry, Inc. (MSS).

A. Obtain and pay for all permits, licenses, and inspection certificates required for all work in accordance with the provisions of the Contract Documents <u>GUARANTEE</u>

Guarantee in form satisfactory to the Owner, that all Work installed is free from defects in workmanship and/or materials. Guarantee that all apparatus will develop capacities and characteristics specified for a period of one year from the date of final acceptance by the Owner or certification of substantial completion, During the guarantee period, remedy, without cost to the Owner, defective workmanship, materials, and

apparatus performance. Remedial work shall be completed within a reasonable time specified by the Owner. In default thereof, the Owner may have such work done and charge all costs to the Contractor. COMPLETE PERFORMANCE OF WORK Execute work in strict accordance with the best practice of the trades in a thorough, substantial, workmanlike manner by competent workmen.

B. Provide labor, materials, apparatus, and appliances essential to the complete functioning of the systems described and indicated, or which may be reasonably implied as essential whether mentioned in the Contract Documents or not.

In cases of doubt as to the Work intended, or in the event of need for explanation thereof, request supplementary instructions from the Architect COOPERATION WITH OTHER TRADES Coordinate efforts of all trades and furnish in writing, with copies to the Architect and Owner, any

information necessary to permit the work of all trades to be installed satisfactorily and with least possible interference or delay. Where the work of various trades will be installed in close proximity to one another, or where there is evidence that the work of one trade will interfere with work of other trades, assist in working out space conditions to make a satisfactory adjustment. If one trade installs his work before coordinating with work of

other trades, make necessary changes to correct the condition without extra charge. The Drawings show the general layout of the various items of equipment. However, layout of equipment, accessories, specialties, ductwork, and piping systems are diagrammatic unless specifically dimensioned, and do not necessarily indicate every required valve, fitting, trap, duct, elbow, transition, turning vane, or similar items required for a complete installation. Consult the Architectural Drawings and details for exact location of

rough—ins, fixtures and equipment. Where same is not definitely located. obtain the information from the Follow the Drawings in laying out the work and check drawings of all trades to verify spaces in which work will be installed. Maintain maximum headroom throughout. Where space conditions appear inadequate, request clarification from the Architect before proceeding with the installation.

MANUFACTURER'S RECOMMENDATIONS Except where specifically indicated differently in the Contract Documents, apply, install, connect, erect, use, clean, and condition manufactured articles, materials, and equipment per manufacturer's current printed recommendations. Keep copies of such printed recommendations at job site.

After the Contract is awarded, but prior to proceeding with the Work, obtain complete submittals from the manufacturers, suppliers, vendors, subcontractors, for all materials and equipment specified in this Division and submit data and details of such materials and equipment to the Architect. Prior to forwarding submittals to the Architect, review and certify that the equipment, materials, methods, etc. represented by the submittals are in compliance with the Contract Documents.

A minimum period of two weeks, exclusive of transmittal time, will be required in the Engineer's office each time a submittal is submitted or resubmitted for review. This time period shall be considered by the Contractor when scheduling his work. Approval of product data shall not relieve the Contractor of the responsibility for errors that may be contained therein, or for deviations from requirements in the Contract Documents. It shall be clearly understood that the Architect or Engineer noting some errors but overlooking others does not grant the Contractor permission

shall govern the work and are neither waived nor superseded in any way by submittal review The word "Provide" is defined as requiring the Contractor to "furnish, erect, test, adjust and install complete and ready for use" the item to which it refers.

Unless otherwise specified, provide new, first—class quality materials and apparatus required for the work. Furnish, deliver, erect, connect and finish work in every detail, and select and arrange work to fit properly into the building spaces. Where no specific kind or quality of material is given, provide a first class standard article as approved by the Architect.

electrical connection; operating and service (maintenance) requirements; and physical size with regard to space where equipment is housed. Other specified manufacturers of like equipment are acceptable contingent on the Contractor providing a complete installation and maintaining full responsibility to provide, at no additional cost, any modifications to the structure or configuration of adjoining equipment and the installation that is

Terminate sleeves flush with walls, partitions, and ceilings In areas where pipes are exposed, extend sleeves 2 inches above finished floor. **RECORD DRAWINGS** 

Maintain at the project site a complete set of "Record Drawings" reflecting an accurate as—built record of all Work. In addition, mark the "Record Drawings" to show changes and deviations in the Work from that shown on the Contract Documents. This requirement shall not be construed as authorization for the Contractor to make changes in the layout or work without definite instructions from the Architect.

FIRE ALARM A. Fire alarm system design shall be design—build by a licensed fire alarm contractor. The contractor shall perform a system design that will provide all devices as required by the Fire Marshal to accommodate this facility. The fire alarm contractor will prepare and provide stamped and signed fire alarm system shop drawings (by a separate registered fire protection engineer) and submit them for review and approval by the Fire Marshal.

	ELECTRICAL SYMBOLS LIS	Т
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	2'X4' LED TROFFER WITH EMERGENCY BATTERY BALLAST/INVERTER	N/A
$\bigcirc$	2'X4' LED TROFFER	N/A
$\bigcirc$	COMMERCIAL CEILING MOUNTED (RECESSED) DOWNLIGHT	N/A
•	CEILING MOUNTED (RECESSED) DOWNLIGHT WITH EMERGENCY BATTERY BALLAST/INVERTER	N/A
$\bigoplus$	SURFACE MOUNTED PENDANT LIGHT	N/A
$\bigcirc$	WALL SCONCE	AS NOTED
lacksquare	WALL SCONCE WITH EMERGENCY BATTERY BALLAST/INVERTER	AS NOTED
	SURFACE MOUNTED LED LIGHT	N/A
	CEILING MOUNTED LED EXIT LIGHT W/ EMERGENCY BATTERY PACK AND FULLY CONCEALED DRIVER — ARROWS INDICATE DIRECTION	PER CODE
<b>X</b> H	WALL MOUNTED LED EXIT LIGHT W/ EMERGENCY BATTERY PACK AND FULLY CONCEALED DRIVER — ARROWS INDICATE DIRECTION	PER CODE
	WALL MOUNTED EXIT LIGHT W/EMERGENCY BATTERY PACK & TWIN LED HEADS.	PER CODE
4	EMERGENCY LIGHT WITH TWIN LED HEADS	
S# <u>-</u>	SWITCH DESIGNATION (NOT ALWAYS USED)  BLANK - SINGLE POLE SWITCH  3 - THREE-WAY  4 - FOUR-WAY  D - DIMMING  D3 - THREE-WAY DIMMING  0 - OCCUPANCY SENSOR (LEVITON MODEL OSSMT-MD)	42"
•	MULTI-TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR - LEVITON MODEL OSC10-MOW.	NA
$\Diamond$	SYMBOL AND LETTER INDICATES TYPE OF LIGHTING FIXTURE	NA
<b>#</b>	KEYED NOTE DESIGNATION	NA
Φ	WALL MOUNTED DUPLEX RECEPTACLE 2P-3W-20A-125V (MOUNTED VERTICALLY)	18" AFF U.O.N
$\ominus$	WALL MOUNTED DUPLEX RECEPTACLE 2P-3W-20A-125V (MOUNTED HORIZONTALLY)	18" AFF U.O.N
	WALL MOUNTED DUPLEX RECEPTACLE 2P-3W-20A-125V GROUND	46" AFF U.O.N

46" AFF U.O.N. WALL MOUNTED DUPLEX RECEPTACLE 2P-3W-20A-125V GROUND **FAULT INTERRUPTER TYPE** 18" AFF U.O.N. WALL MOUNTED QUAD RECEPTACLE 2P-3W-20A-125V WALL MOUNTED QUAD RECEPTACLE 2P-3W-20A-125Y GROUND 46" AFF U.O.N. **FAULT INTERRUPTER TYPE** TELEVISION CABLE J-BOX (SINGLE GANG PLASTER RING WITH WHITE AS NOTED COVERPLATE AND TV/CABLE SYSTEM JACK INSTALLED PROVIDE FLUSH MOUNTED CONNECTION BOX FOR WASHING MACHINE 48" AFF U.O.N. AND DRYER (INCLUDING HOT AND COLD WATER CONNECTIONS WITH SHUT-OFF VALVES) PROVIDE WITH PROVIDE SINGLE 2P.3W.20A.125V RECEPTACLE FOR WASHER AND SINGLE 3P,4W,30A,250V RECEPTACLE

FOR DRYER. COORDINATE WITH PLUMBING CONTRACTOR. 12" AFF U.O.N. JUNCTION BOX FOR GARBAGE DISPOSAL 12" AFF U.O.N. JUNCTION BOX FOR DISHWASHER 18" AFF U.O.N. DATA LOCATION - FINAL DATA DISTRIBUTION TO BE DETERMINED BY OWNER. GC TO PROVIDE JUNCTION BOX WITH 1" CONDUIT AND PULL STRING TO CEILING CAVITY. OWNER WILL PROVIDE FACE PLATES, CABLING AND FINAL CONNECTIONS. 18" AFF U.O.N. **VOICE OUTLET** WALL OR CEILING MOUNTED JUNCTION BOX. AS REQUIRED

FLEXIBLE METAL RACEWAY (TYPE AC OR MC) FOR USE IN

CONDUCTORS IN RACEWAY - TICK MARKS INDICATE NUMBER OF

CONDUCTORS I.E. 3 #12 CONDUCTORS WITH A SEPARATE EQUIPMENT

GROUND PATH (GROUNDING WIRE IS NOT GENERALLY SHOWN BY TICK

MARKS). WHERE ONLY TWO WIRES WILL BE IN THE RACEWAY, NO TICK

MULTIPLE BRANCH CIRCUIT HOMERUN TO PANEL BOARD - NUMBER OF

NUMBERS NEXT TO ARROWHEADS DESIGNATE PANEL BOARD AND CIRCUIT

-# OF POLES

—SWITCH RATING

ARROWHEADS INDICATE NUMBER OF CIRCUITS IN RUN. LETTERS &

SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD (LETTER AND NUMBER DESIGNATE PANELBOARD AND CIRCUIT)

MOTOR RATED TOGGLE DISCONNECT SWITCH to proceed in error. Regardless of any information contained in the product data the Contract Documents METAL RACEWAY (OR TYPE AC OR MC WITH OUTER METAL ARMOR OR SHEATH) FOR USE IN PATIENT CARE AREAS.

NON-PATIENT CARE AREAS.

MARKS WILL BE INDICAED.

HOMERUN TO SWITCH LOCATION

POWER DISTRIBUTION PANEL DESIGNATION

NUMBERS.

Equipment designated as "Basis of Design" has been coordinated for structural penetrations; duct, piping, and

required to properly install, operate, and service the equipment being used.

<u>SLEEVES, FORMED OPENINGS, PLATES, AND INSERTS</u> Provide sleeves for all piping passing through masonry, concrete, tile and gypsum wall construction.

Provide sleeves and formed openings of sufficient size to pass continuous, uninterrupted insulation of the

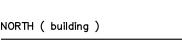
Check floor and wall construction finishes to determine proper length of sleeves for various locations and make actual lengths to suit the following.

DISCONNECT SWITCH SUPPLIED WITH MECHANICAL EQUIPMENT

### FIRE ALARM SYMBOLS LIST (IN ACCORDANCE WITH NEPA 170)

FUSED SAFETY SWITCH 3/30/20 ─ FUSE RATING

	(IN ACCORDANCE WITH NEA 170)	
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
⋉ <sub>30</sub>	FIRE ALARM ADA STROBE LIGHT (NUMBER INDICATES CANDELA)	80" AFF U.O.N
	COMBINATION HORN/STROBE (NUMBER INDICATES CANDELA)	80" AFF U.O.N
$\square$	HORN	80" AFF U.O.N
Р	MANUAL PULL STATION	48" AFF U.O.N



Shepherdstown

# Opera House

**RENOVATIONS** 

131 W. German St. **Shepherdstown West Virginia** 

131 West German Street,

Mech/Elect Engineer

FHC Engineering, PC 4 Weems Lane #277 Winchester, VA 22601 540 247-2939

Structural Engineer

NA

NA

NA

NA

NA

NA

NA

NΔ

Ruckman Engineering, PLC 22-B Ricketts Drive Winchester, VA 22601



ssue/Revision 10.23.20 REVISION #1 FOR CONSTRUCTION 10.23.20 11939 STATE OF **REDESIGN REVISIONS 02.23.21** FOR CONSTRUCTION 10.23.20

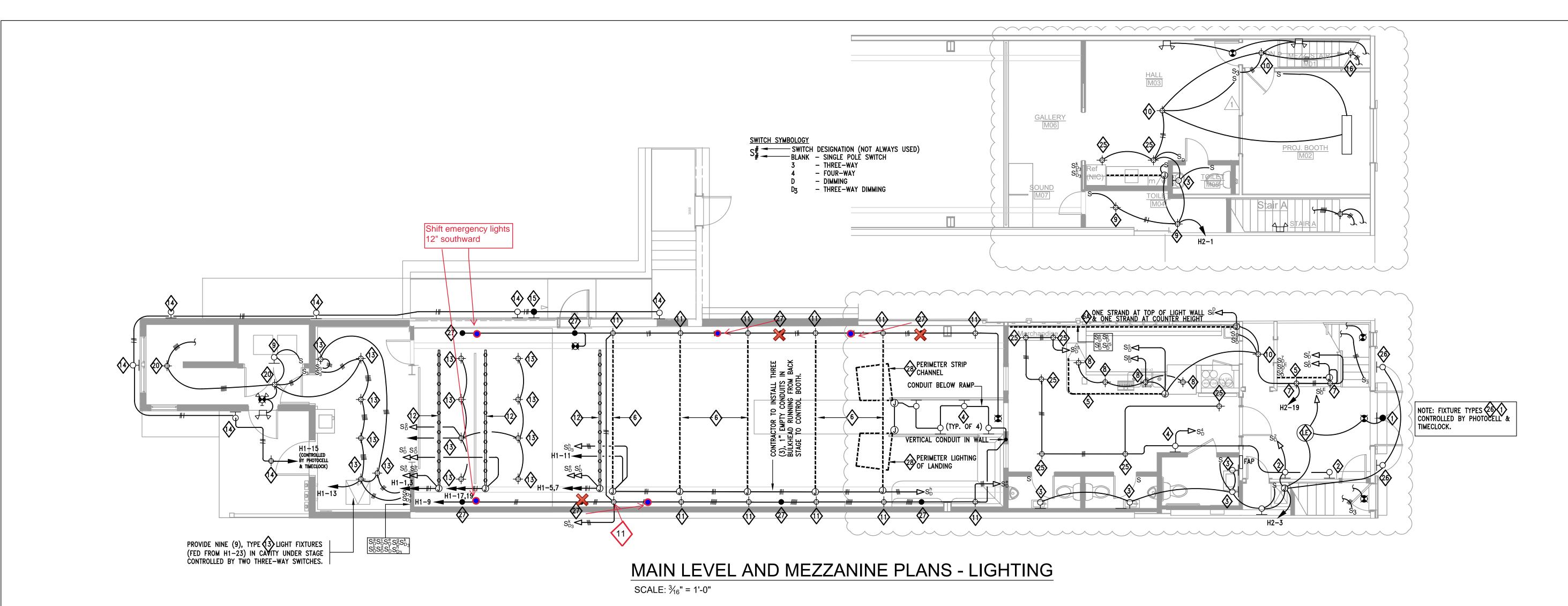
Drawing Title **GENERAL NOTES & SYMBOLS** 

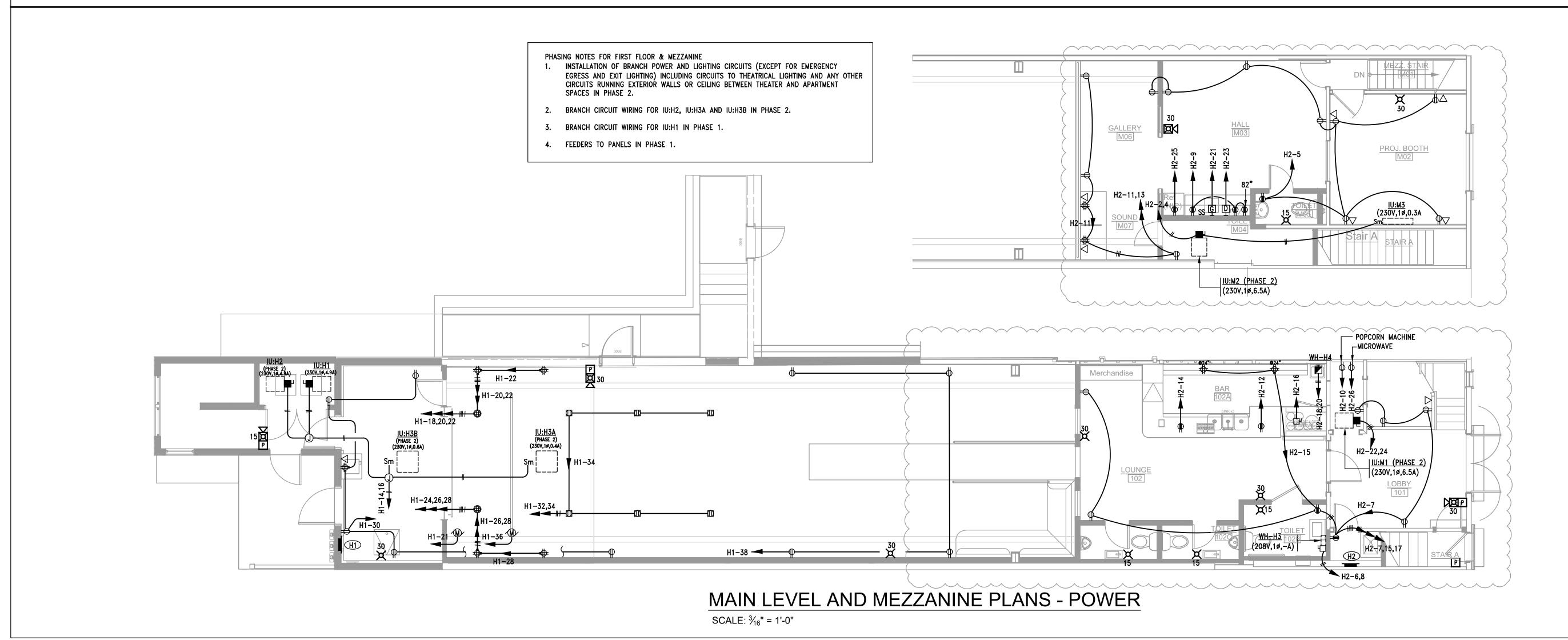
Date OCTOBER 23, 2020 Project Number Drawing Number

& KLUS MICRO-ALU SERIES LED CHANNEL STRIP LIGHT W/ BLACK EXTRUDED ENCLOSURE.

120

120







Shepherdstown

# Opera House

**RENOVATIONS** 

131 W. German St. Shepherdstown West Virginia

Owner

131 West German Street, LLC

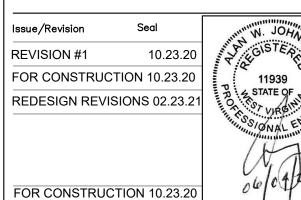
Mech/Elect Engineer

FHC Engineering, PC 4 Weems Lane #277 Winchester, VA 22601 540 247—2939

Structural Engineer

Ruckman Engineering, PLC 22—B Ricketts Drive Winchester, VA 22601





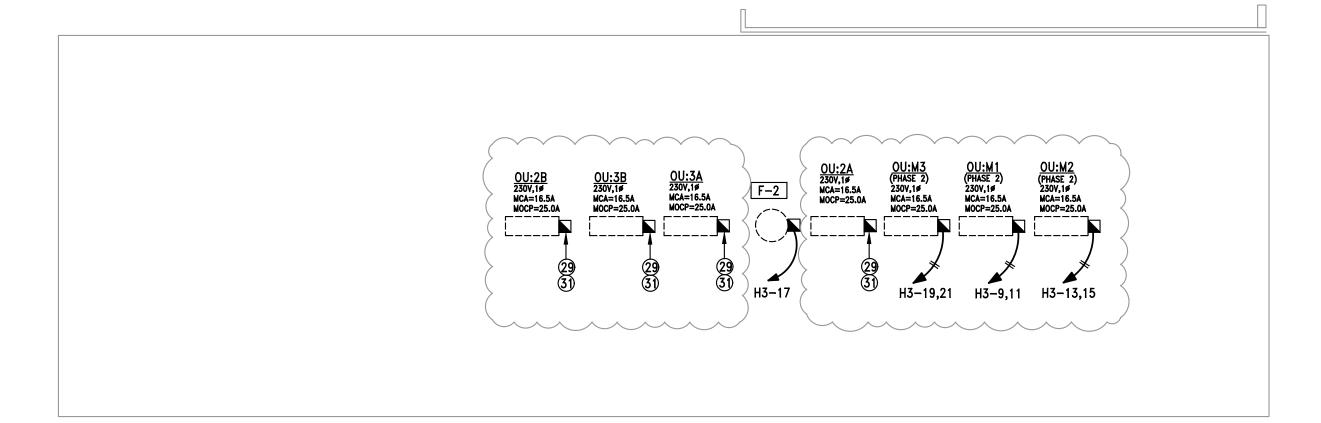
MAIN LEVEL & MEZZANINE PLANS

Date OCTOBER 23, 2020

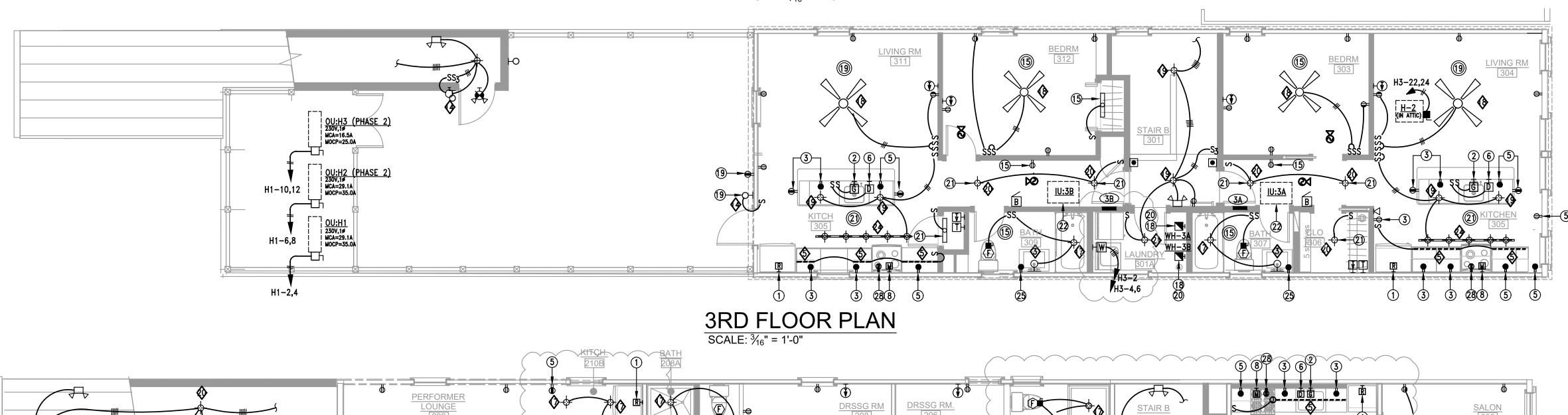
Scale As Noted Project Number 19820

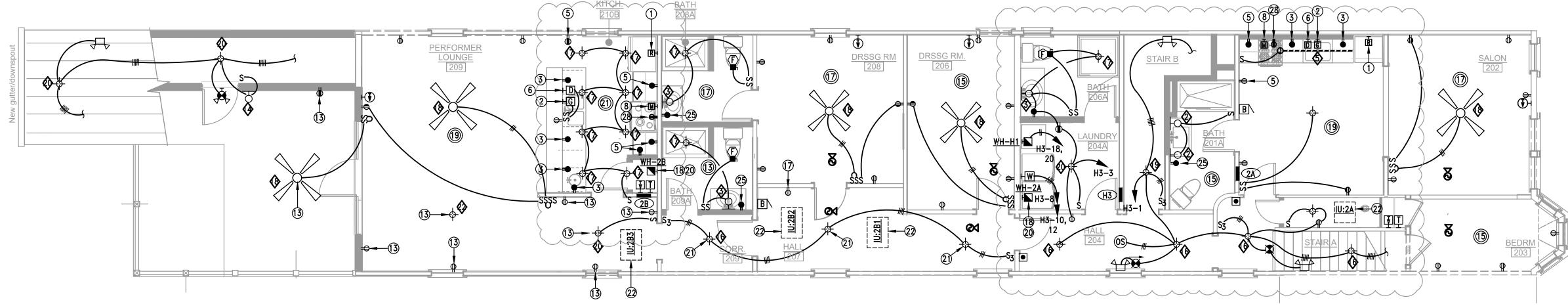
Drawing Number

E1.1



### ROOF PLAN SCALE: 3/16" = 1'-0"





### 2ND FLOOR PLAN

SCALE: 3/16" = 1'-0"

	30ALL. 716 - 1-0				
GENERAL SHEET NOTES			APARTMENT UNIT SYMBOLS LIST		
1. ALL WORK IN APARTMENTS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST EDITION OF NEC CURRENTLY IN FORCE WITHIN THE PROJECT JURISDICTION FOR SPACING OF ALL OUTLETS, AND ALL OTHER RESIDENTIAL REQUIREMENTS.	SYMBOL DESCRIPTION	SYMBO	DESCRIPTION	SYMBOL	L DESCRIPTION
	FLUSH CEILING MOUNTED LIGHT FIXTURE  WALL-MOUNTED LIGHT FIXTURE  WALL MOUNTED CLOSET LIGHT (MOUNT ABOVE DOOR HEADER INSIDE OF CLOSET)  SINGLE POLE FLUSH TUMBLER SWITCH (MOUNT 42" AFF/UON).  THREE-WAY FLUSH TUMBLER SWITCH (MOUNT 42" AFF/UON).  600 WATT DIMMER SWITCH (MOUNT © 42" AFF UON) LIGHTOLIER TOGGLE STYLE TYPE MATCHING SWITCH STYLE.  WALL-MOUNTED DUPLEX RECEPTACLE (2P, 3W, 15A, 125V) — MOUNT 18" AFF/UON).  WALL-MOUNTED DUPLEX RECEPTACLE (2P, 3W, 15A, 125V) — TOP HALF SWITCHED (MOUNT 18" AFF/UON).  WALL-MOUNTED DUPLEX RECEPTACLE (2P, 3W, 20A, 125V GFI) BATHROOM/APPLIANCE CIRCUIT — MOUNT 6" ABOVE COUNTERS (KITCHEN/BATHROOMS) 18"AFF OTHER AREAS EXTEND TO CIRCUITS NOTED.  WALL-MOUNTED DUPLEX (2P, 3W, 15A, 125V) OUTLET TO BE GFCI TYPE WITH HINGED WEATHERPROOF COVERPLATE.  RANGE RECEPTACLE (3P, 4W, 50A, 125/250V) NEMA 14-50R WITH 50A, 2P CIRCUIT BREAKER EXTEND TO CIRCUIT No.28 AND 30.  FLUSH-MOUNTED SINGLE RECEPTACLE (2P,3W,20V,125V) FOR DISHWASHER (EXTEND TO CIRCUIT NO.6). PROVIDE MATCHING PLUG, PROVIDE CONNECTION TO DISHWASHER FOLLOWING DISHWASHER MANUFACTURER'S SPECIFICATIONS TO ASSURE INTEGRITY OF UL LISTING. COORDINATE PLUG INCLUSION WITH SUPPLIER OF DISHWASHER — MOUNT © 24" A.F.F. —	<b>₩₩₩₩₩</b>	MICROWAVE HOOD COMBINATION (2P,3W,2OA,125V) MAX. 1480W 120V (EXTEND TO CIRCUIT NO. 8) MOUNTED ABOVE RANGE.  WALL—MOUNTED SINGLE RECEPTACLE (2P, 3W, 2OA, 125V) FOR REFRIGERATOR (EXTEND TO CIRCUIT NO. 1) — MOUNT 48" AFF.  PROVIDE FLUSH MOUNTED CONNECTION BOX FOR WASHING MACHINE AND DRYER (INCLUDING HOT AND COLD WATER CONNECTIONS WITH SHUT—OFF VALVES) COORDINATE WITH PLUMBING INSTALLER PROVIDE SINGLE 2P,3W,2OA,125V RECEPTACLE FOR WASHER — EXTEND 2#12+G TO UNITS LOAD CENTER PROVIDE SINGLE 3P,4W,3OA,250V RECEPTACLE FOR DRYER — EXTEND 3#10+G TO UNITS LOAD CENTER  FLUSH MOUNTED JUNCTION BOX FOR ELECTRIC WATER HEATER  MASTER APARTMENT TELEVISION SYSTEM OUTLET (MOUNTED 12" ABOVE CLOSET SHELF).  A. PROVIDE 6"X6"X2—%" FLUSH—MOUNTED BOX WITH TWO GANG COVER PLATES.  TELEVISION SYSTEM OUTLET (SINGLE GANG PLASTER RING WITH WHITE COVER PLATE AND TV/CABLE SYSTEM JACK INSTALLED (MOUNT 18" AFF UON).  A. PROVIDE RGGQUAD 90% SHIELDED TYPE COAXIAL CABLE FROM OUTLET TO CONDOMINIUM MASTER TELEVISION OUTLET.  B. COORDINATE CABLE TYPE WITH CABLE TV SERVICE PROVIDER.  C. PROVIDE FIRE RATED BOX WHERE REQUIRED.  MASTER APARTMENT SYSTEM TELEPHONE OUTLET  A. PROVIDE 6"X6"X2—%" FLUSH—MOUNTED BOX WITH TWO GANG COVER PLATE.  TELEPHONE SYSTEM OUTLET — MOUNT 18" AFF GENERAL  A. APARTMENT OUTLETS — SINGLE GANG PLASTER RING WITH WHITE TELEPHONE OUTLET COVERPLATE.  C. PROVIDE FIRE RATED BOX AT PARTY WALLS OR UTILIZE FIRE RATED WRAP ASSEMBLIES BY 3M.		FUSED SAFETY SWITCH — IF FIELD FURNISHED AND INSTALLED, DO NOT MOUNT ON EQUIPMENT, MOUNT ON UNISTRUCT ATTACHED TO ROOF.  SMOKE DETECTOR WITH AUDIBLE ALARM (APARTMENTS ONLY), SURFACE MOUNTED.  A. UNIT SHALL HAVE 120V POWER SUPPLY (CIRCUIT #26) WITH BATTERY BACK—UP.  B. UNITS LOCATED IN AREAS WITHOUT DROPPED CEILING SHALL BE WALL MOUNTED A MAXIMUM OF 12" BELOW FINISHED CEILING.  C. ALL SMOKE DETECTORS SHALL BE INTERCONNECTED TO SIMULTANEOUSLY ALARM WHEN ANY SINGLE DETECTOR SENSES SMOKE.  APARTMENT LOAD CENTER (DEPTH OF PANEL CAN NOT EXCEED 3 7/8")  RECESSED TOILET EXHAUST FAN. CONNECT TO CIRCUIT.  DOOR BELL (PUSHBUTTON) — INTERCONNECT WITH CHIME.
13. CONTRACTOR SHALL PROVIDE "ARC FAULT" TYPE CIRCUIT BREAKERS FOR ALL BRANCH CIRCUITS SERVING RECEPTACLES IN BEDROOMS.	FLUSH-MOUNTED JUNCTION BOX FOR DISPOSAL, CONTROLLED BY HORIZONTALLY MOUNTED FLUSH TUMBLER SWITCH (EXTEND TO CIRCUIT No.2) MOUNT 24" AFF-LOCATE UNDER SINK.				

Shepherdstown

# Opera House

**RENOVATIONS** 

131 W. German St. Shepherdstown West Virginia

# 131 West German Street, LLC

#### Mech/Elect Engineer

FHC Engineering, PC 4 Weems Lane #277 Winchester, VA 22601 540 247-2939

#### Structural Engineer

Ruckman Engineering, PLC 22-B Ricketts Drive Winchester, VA 22601



Issue/Revision	Seal	min W. JC
REVISION #1	10.23.20	A ALGIST
FOR CONSTRUC	CTION 10.23.20	1193
REDESIGN REV	ISIONS 02.23.21	TA STATE
		MINISSIONA
		14
		Cy
FOR CONSTRUC	CTION 10.23.20	06/0

2ND & 3RD FLOOR PLANS

Drawing Number

E1.2

				R	<b>ESID</b>	ENT	IAL	L(	DAD	C	<b>ENT</b>	EF	2				A	PT. 2B			
,	VOLTA	.GE	PHASE	WIRE	MCI	3 (A)	M	LO	(A)		AIC		MOUN	NTING	MANUF	AC.	MDL#	DWGRE	F		
	120 / 2	240	1	3	100	0A		-			10K		RECE	SSED	CH BF	3	-	-			
			TY	PE LEC	ŒND									REN	ARKS						
	L I	IGHTI	NG			KITCHI	ENEQ														
]	R F	RECEPT	TACLES			EXISTI	NG														
1	M N	MECH I	EQUIP			OTHER															
KT.#		IT	EM		WIRE	CONDUIT	CKT. B	RK	LOAD (VA)	ASE	LOAD	CK	KT. BRK	CONDUIT	WIRE		ITE		CKT.#		
CK		SEF	RVED	M	CON	TRIP	P	(VA)	PH	(VA)	P	TRIP	CON	M		SERV	ÆD	CK			
1	R	REFRIG	ERA TOR	el .	#12	-	20A	1	0	A	0	1	20A	-	#12	G	ARBAŒ	DISPOSAL	2		
3	SM	ALL A	PPLIANO	Œ	#12	-	20A	1	1500	В	0	1	15A	-	-	PROVISION 4 DISHWASHER 6					
5	SM		PPLIANO	Œ	#12	-	20A	1	1500	C	1200	1	20A	-	#12		DISHWA SHER MICROWA VE				
7			JISION		-	-	15A	1	0	A	0	1	20A	-	312		MICROWAVE				
9			VISION		-	-	15A	1	0	В	0	1	20A	-	#12		WAS	HER	10		
11			VISION		-	-	15A	1	0	C	2500	2	30A	-	#10		DRY	ER	12		
13			& RECEPT	-	#12	-	20A	1	0	A	2500								14		
15			& RECEPT		#12	-	20A	1	0	В	0	1	15A	-	-		PROVI		16		
17			& RECEPT	-	#12	-	20A	1	0	C	1250	2	20A	-	#12		WATER	HEATER	18		
19		17	& RECEPT		#12	-	20A	1	0	A	1250								20		
21			LIGHTIN		#12	-	20A	1	1640	В	100	2	15A	-	#12		Л	J	22		
23			LIGHTIN		#12	-	20A	1	1640	C	100								24		
25	В		OOM GFI		#12	-	20A	1	0	A	0	1	15A	-	#12	SI		TECTORS	26		
27			VISION		- "10	-	15A	1	0	В	4000	2	50A	-	#8		RAN	(GE	28		
29	P	AC CO	ND. UNIT		#10	-	25A	2	1932	C	4000						*** /		30		
31		~-						_	1932	A	0	-	-	-	-		WATER	HEATER	32		
33			ACE		-	-	-	-	0	В	0	-	-	-	-			cm.	34		
35		SPACE 0 C 0							SPA	CE	36										

= 9,600 VA HEAT PUMP

= 2,500 VA TOTAL LOAD

= 1,200 VA

= 1,590 VA

= 0 VA

= 0 VA = 21,165 VA

GENERAL LIGHTING LOAD (AREA X 3 WATTS/SF) =

WATER HEATER

DISHWASHER

DISPOSAL (3/4HP)

CLOTHES DRYER

CLOTHES WASHER

SMALL APPLIANCE LOAD (TWO, 20A CIRCUITS) = 3,000 VA REMAINDER OF LOAD @ 40%

VOLTAGE														APT 2A							
7	OLTAGE PHASE WIRE	MCB	(A)	M	LO	(A)		AIC		MOUN	ITING	MANUFA	AC. MDL#	DWGRE	F						
	120 / 240 1 3				-			10K		RECE	SSED	CH BR	_	-							
	TYPE LE	GEND		'							REN	IARKS									
I	LIGHTING		KITCHE	EN EQ																	
I	R RECEPTACLES		EXISTI	NG																	
N	MECH EQUIP		OTHER	e																	
#.L		RE	DUIT	CKT. B	RK		ASE		CK	T. BRK	DUIT	IRE			CKT.#						
CK	SERVED											SER	VED	CK							
1	REFRIGERATOR	#12	-	20A	1	0	A	0	1	20A	-	#12	GARBAGE	DISPOSAL	2						
3	SMALL APPLIANCE	#12 - 20A 1 1740 B 0 1 15A PROVISION #12 - 20A 1 0 C 1200 1 20A - #12 DISHWASHER - 15A 1 0 A 0 1 20A - 312 MICROWAVE												ISION	4						
5	SMALL APPLIANCE	#12	-	20A	1	0	C	1200	1	20A	-	#12	GARBAGE DISPOSAL PROVISION DISHWASHER MICROWAVE WASHER DRYER  PROVISION WATER HEATER  IU  SMOKE DETECTORS RANGE								
7	PROVISION	-	-	15A	1	0	Α	0	1	20A	-	312	MICRO	ITEM SERVED  BAGE DISPOSAL PROVISION ISHWASHER IICROWAVE WASHER DRYER  PROVISION ATER HEATER  IU  KE DETECTORS RANGE  SPACE SPACE SPACE SPACE SPACE							
9	PROVISION	-	-	15A	1	0	В	0	1	20A		#12	WA	ITEM SERVED  BAGE DISPOSAL PROVISION ISHWASHER IICROWAVE WASHER DRYER  PROVISION ATER HEATER  IU  KE DETECTORS RANGE  SPACE SPACE SPACE SPACE 10,000 VA							
11	PROVISION			15A	1	0	С	2500	2	30A	-	#10	DR	BAGE DISPOSAL PROVISION DISHWASHER MICROWAVE WASHER DRYER PROVISION ATER HEATER  IU DKE DETECTORS RANGE SPACE							
13	PROVISION	-	-	15A	1	0	A	2500					DRYER 1								
15	LIGHTS & RECEPT.	#12	-	- 15A 1 0 A 2500 14 - 20A 1 0 B 0 1 15A PROVISION 16											16						
17	LIGHTS & RECEPT.	LIGHTS & RECEPT. #12 - 20A 1 0 B 0 1 1 LIGHTS & RECEPT. #12 - 20A 1 0 C 1250 2 2											WATER	HEATER	18						
19	LIGHTS & RECEPT.	1	0	A	1250							20									
21	GENERAL LIGHTING	#12	-	20A	1	1890	В	100	2	15A	-	#12	I	U	22						
23	SPACE	-	-	-	-	0	C	100							24						
25	BATHROOM GFI	#12	-	20A	1	0	Α	0	1	15A	-	#12	SMOKE D	ETECTORS	26						
27	PROVISION	-	-	15A	1	0	В	4000	2	50A	-	#8	RA	NGE	28						
29	AC COND. UNIT	#10	-	25A	2	1932	C	4000							30						
31						1932	A	0		-	-	-									
33	SPACE	-	-	-	-	0	В	0	-	-	-	-	SPA	SPACE							
35	SPACE	-	0	C	0	-	-	-	-	SPA	A CE	36									
		RESID	ENTIA	LLOA	D (	ENTFI	3.0	ALCUL	ΑТ	ION (N	NEC 22	20.20)									
GEN	ERAL LIGHTING LOAD (A							A 1ST					=	10,000 VA	$\dashv$						
	LL APPLIANCE LOAD (TV							A REM				@ 40%	=	3,816 VA							
RAN	GE			· =		9 600	W	A HEA	ТР	IMP				5000 VA							

2,500 VA TOTAL LOAD

MANUFAC. MDL# DWGREF

SERVED

SPACE WH-H1

\* 1ST 10KVA @ 100%, REM A INING @ 50%

\*\*\*PROVIDE CIRCUIT BREAKER SHOWN.

\*\* SIZE. FAC. IN ACCORDANCE TO NEC 220-20

1,200 VA

1,590 VA

= 19,540 VA

(VA) P TRIP

O #12,#12G. 1/2" 20A 1 1035 A 1200 1 20A 1/2" #12,#12G. O 3RD FLOOR WASHER

167.31 SIZING AMPACITY (A)

0 VA

0 VA

MOUNTING

3680 2 40A 3/4" #8,#10G. O

18,816 VA

90 AMPS

M MECH EQUIP

**SERVED** 

SPACE

SPACE

CONNECTED LOAD (VA) 11942 7619 11530 31091

APART. 3

SUBLOADS (VA) CONN SIZING SIZING

7	OLTAGE	PHASE		MCE	( /	M	LO (	(A)		AIC		MOUN		MANUF		MDL#	DWGRE	F
	120 / 240	1	3	100	)A		-			10K		RECE		CH BR	1	-	=	
			PE LEC	GEND									REN	IARKS				
I					KITCHI	_												
F		TACLES			EXISTI													
N	1 MECH	EQUIP			OTHER						_							_
# · I	I	ГЕМ		WIRE	CKT. BRK LOA		LOAD	PHASE	LOAD CK		T. BRK	CONDUIT	WIRE		ITI	EM	=	
CKI	SE	RVED		≨	CON	TRIP	P	(VA)	PH	(VA)	P	TRIP	CON	[W		SER	VED	-
1	REFRI	ŒRA TOF	1	#12	-	20A	1	0	A	0	1	20A	-	#12	G/	ARBAGE	DISPOSAL	
3	SMALL	APPLIAN	CE	#12	-	20A	1	1740	В	0	1	15A	-	-		PROVISION		
5	SMALL	APPLIAN	CE	#12	-	20A	1	0	C	1200	1	1 20A -		#12			ASHER	
7	PRO	VISION		-	-	15A	1	0	A	0	1	20A	-	312		MICRO	WAVE	
9		VISION		151	1=	15A	1	0	В	0	1	20A	10	#12		WAS		
1		VISION		-1	-	15A	1	0	C	2500	2	30A	-	#10		DR	YER	
3		VISION		=	-	15A	1	0	A	2500								
5	LIGHTS	& RECEP	Τ.	#12	-	20A	1	0	В	0	1	15A	-	-		PROV	ISION	
7		& RECEP		#12	-	20A	1	0	C	1250	2	20A	-	#12		WATER	HEATER	
9		& RECEP		#12	-	20A	1	0	A	1250								
21		L LIGHTI	NG	#12	-	20A	1	1890	В	100	2	15A	-	#12		Π	J	1
23		PACE		-	-	-	-	0	C	100								- 2
25		ROOM GF	I	#12	-	20A	1	0	A	0	1	15A	-	#12	SI		ETECTORS	1
27	1 - 1 - 1 - 1	VISION		-	-	15A	1	0	В	4000	2	50A	-	#8		RAI	NGE	
9	AC CO	ND. UNIT	1	#10	-	25A	2	1932	C	4000	Щ					-		
31				1932	A	0	-	-	-	-		SPA						
3		PACE		-	-	-	-	0	В	0	-	-	-	-		SPA		
35	SPACE							0	C	0	-	50	-	50		SPA	CE	

35	SPACE	-	-		-	0	C	0	-		-		S	PACE	30
		RESIDE	NTIAL	LOAD	) CI	ENTE	R CA	LCUI	_A7	ION (	NEC 2	20.20)			
GENER	AL LIGHTING LOAD (A	REA X3 WA	TTS/SF	) =		1,890	) VA	1ST	10	KVA @	100%		=	10,000 VA	1
SMALL	APPLIANCE LOAD (TV	VO, 20A CIR	CUITS)	=		3,000	AV C	REM	1AIN	IDER O	F LOAD	@ 40%	=	3,912 VA	1
RANGE				=		9,600	AV C	HEA	TP	UMP			=	5000 VA	1
WATER	HEATER			=		2,500	AV C	TOT	AL I	LOAD			=	18,912 VA	4
DISHWA	SHER			=		1,200	AV C							91 AN	MPS
DISPOS	AL (3/4HP)			=		1,590	AV C								
CLOTHE	S DRYER			=		(	NV C								
CLOTHE	S WASHER			=		(	AV C								
	TOTAL			=		19,780	AV C	1							
							<b>/</b>								

 MCB (A)
 MLO (A)
 AIC
 MOUNTING
 MANUFAC.
 MDL #
 DWGREF

 225A
 10K
 RECESSED
 SQ D

217.22 SIZING AMPACITY (A)

€B- H3

POWER RISER DIAGRAM

SCALE: NONE

SERVED

SPACE

SPACE

SPACE

SPACE

3RD FLOOR

2ND FLOOR

1ST FLOOR

SPACE

\* 1ST 10KVA @ 100%, REMAINING @ 50%

\*\*\*PROVIDE CIRCUIT BREAKER SHOWN.

APART. 3A

APART. 2A

(6A)-H2

(TYP.) (ZA)

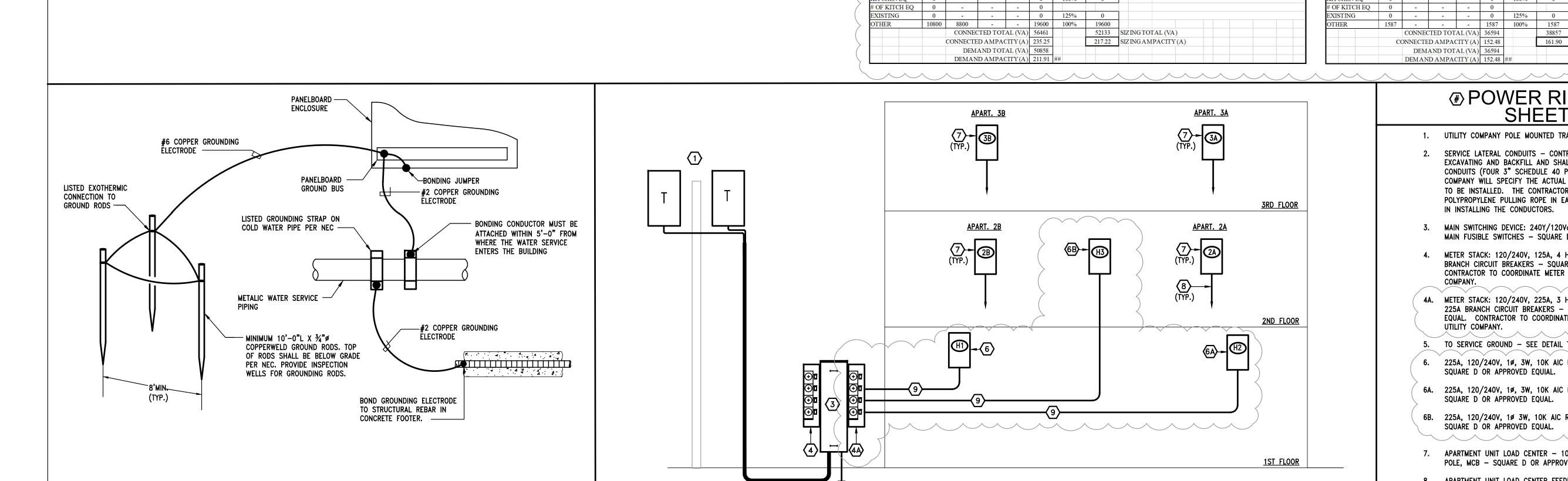
\*\* SIZE. FAC. IN ACCORDANCE TO NEC 220-20

PANELBOARD SCHEDULE

				R	ESID	ENT	IAL	L(	DAD	C	<b>ENT</b>	El	3				Α	PT. 3A	
1	/OLT	AGE	PHASE	WIRE	MCE	3 (A)	M	LO (	(A)		AIC		MOUN	NTING	MANUF	AC.	MDL#	DWGRE	Ð
	120 /	240	1	3	100	)A		-			10K		RECE	SSED	CH BI	R	=	¥	
			T	YPE LE	GEND									REN	MARKS				
Ι		LIGHTIN	NG			KITCHI	EN EQ												
F	3	RECEPT	ACLES			EXISTI	NG												
N	1	MECH E	EQUIP			OTHER													
Γ.#		ITI	EM		WIRE	NIT	CKT. B	RK	LOAD	SE	LOAD	CK	T. BRK	JUIT	WIRE		ITI	EM	
CKT		SER	VED		W	CONDUIT	TRIP	P	LOAD (VA)	$^{\prime}$	(VA)	P	TRIP	CONDUIT	WI		SER	VED	
1		REFRIG	ERATO	₹.	#12	-	20A	1	0	A	0	1	20A	i.= :	#12	G/	ARBAGE	DISPOSAL	
3	S	MALL A	PPLIAN	CE	#12	-	20A	1	1740	В	0	1	15A	-	-		PROV	ISION	
5	S	MALL A	PPLIAN	CE	#12	-	20A	1	0	C	1200	1	20A	X=1	#12		DISHW	ASHER	
7		PROV	PROVISION PROVISION			-	15A	1	0	A	0	1	20A	-	312		MICRO	WAVE	
9		PROV	ISION		-	-	15A	1	0	В	0	1	20A	-	#12		WAS	SHER	
11		PROVISION			-	-	15A	1	0	C	2500	2	30A	-	#10		DR	YER	
13		PROV	ISION		-	-	15A	1	0	A	2500								
15		LIGHTS &			#12	-	20A	1	0	В	0	1	15A	-	-		PROV	ISION	
17		LIGHTS &		100 01	#12	-	20A	1	0	C	1250	2	20A	-	#12		WATER	HEATER	
19		LIGHTS &			#12	-	20A	1	0	A	1250								
21	G	ENERAL		NG	#12	-	20A	1	1740	В	100	2	15A	-	#12		П	IJ	_
23			A CE		-	-	-	-	0	C	100								_
25		BATHRO		Ί	#12	-	20A	1	0	A	0	1	15A	-	#12	SI		ETECTORS	
27		(Editional III)	ISION		-	-	15A	1	0	В	4000	2	50A	-	#8		RAI	NGE	_
29								2	1932	C	4000								_
31									1932	A	0	11-1	-	(-)	FI		SPA		_
33			ACE .		-	-	-	-	0	В	0		-	-	-		SPA		_
35		SPA	A CE			10	=	-	0	C	0	-			50		SPA	ACE	

35	SPACE	-	-	50	-	0	C	0	-	-	-		SP	ACE	3
		RESID	ENTIAL	LOA	0 (	CENTER	₹C.	ALCUI	_AT	TON (	NEC 22	20.20)			
<b>GENER</b>	AL LIGHTING LOAD (A	REA X3 V	VATTS/S	F) =		1,740	V/	1ST	101	KVA @	100%		=	10,000 VA	
SMALL	APPLIANCE LOAD (TV	VO, 20A C	CIRCUITS	) =		3,000	VA	REM	1AIN	IDER O	F LOAD	@ 40%	=	3,852 VA	
<b>RANGE</b>				=		9,600	VA	HEA	TP	UMP			= _	5000 VA	
WATER	HEATER			=		2,500	VA	TOT.	AL I	LOAD			=	18,852 VA	
DISHWA	SHER			=		1,200	V/	X .						91 AN	1PS
DISPOS	AL (3/4HP)			=		1,590	V/	N.							
CLOTHE	S DRYER			=		(	) VA	<b>\</b>							
CLOTHE	S WASHER			=		(	VA	<b>\</b>							
	TOTAL	ı		=		19,630	) VA	1							

		TOTAL							19,	630	VA										
					PAN	ELB	OAR	D	SCH	E	DUL	E						]	H1		
	VOLTA GE	PHASE	WIR	E	MCB	(A)	M	LO	(A)		AIC		MOU	NTING	MAN	UFA	C. MD	MDL# DWGREF			
120 / 240 1 3			3		400	A -			-				-								
		7	TYPE L	EG	END									R	EMARKS						
	L LIGHT	TING			K	KITCHEN EQ															
	R RECEP	RECEPTACLES		E		EXISTING															
1	M MECH	MECH EQUIP		О		OTHER															
Γ.#	ITEM SERVED			TYPE	WIRE	CONDUIT	CKT. BRK		LOAD	SE	LOAD	CI	KT. BRK	DUIT	WIRE	TYPE	ITEM		Γ.#		
CKT.#							TRIP	P	(VA)	PHASE	(VA)	P	TRIP	CONDUIT	W	TY	SERVED		CKT.#		
1	LIGHT	S: TRACK		L	#12,#12G.	1/2"	20A	1	1050	A	3350	2	35A	3/4"	#8,#10G.	M		OU:H1		2	
3	LIGHT	S: TRACK		L	#12,#12G.	1/2"	20A	1	1050	В	3350									4	
5	LIGHT	S: TRACK		L	#12,#12G.	1/2"	20A	1	1050	C	3350	2	35A	3/4"	#8,#10G.	M		OU:H2		6	
7	LIGHT	S: TRACK		L	#12,#12G.	1/2"	20A	1	1050	Α	3350									8	
9	LIGHTS: A	UDITORI	UM	L	#12,#12G.	1/2"	20A	1	350	В	1900	2	25A	1/2"	#10,#10G	M		OU:H3		10	
11	LIGHTS: A	.UDITORI	UM	L	#12,#12G.	1/2"	20A	1	1000	C	1900									12	
13	LIGHTS: E	ACK STA	Œ	L	#12,#12G.	1/2"	20A	1	600	A	1245	2	20A	1/2"	#12,#12G	M	IU:H1	, H2, H3	A, H3B	14	
15	LIGHTS:	EXTERIO	R	L	#12,#12G.	1/2"	20A	1	800	В	1245									16	
17	LIGHT	S: TRACK		L	#12,#12G.	1/2"	20A	1	1050	C	360	1	20A	1/2"	#12,#12G	R	RECEPT	: STAGI	E (EAST)	18	
19	LIGHT	S: TRACK		L	#12,#12G.	1/2"	20A	1	1050	A	360	1	20A	1/2"	#12,#12G	R	RECEPT	: STAG	E (EAST)	20	
21	3/4 HP SC	EEN MOT	OR	0	#12,#12G.	1/2"	20A	1	1587	В	360	1	20A	1/2"	#12,#12G	R			E (EAST)	22	
23	SI	PACE		-	-	-	-	-	0	C	360	1	20A	1/2"	#12,#12G	R	RECEPT	: STAGE	E (WEST)	24	
25		PACE		-	-	-	-	-	0	A	360	1	20A	1/2"	#12,#12G	_			E (WEST)	26	
27	SI	PACE		-	-	-	-	-	0	В	360	1	20A	1/2"	#12,#12G		RECEPT	: STAGE	E (WEST)	28	
29		SPACE SPACE		-	-	-	-	-	0	C	540	1	20A	1/2"	#12,#12G				STAGE	30	
31		PACE		-	-	-	-	-	0	A	540	1	20A	1/2"	#12,#12G	_			FORIUM	32	
33		SPACE		-	-	-	-	-	0	В	540	1	20A	1/2"	#12,#12G	_			FORIUM	34	
35		PACE		-	-			-	0	C	1587	1	20A	1/2"	#12,#12G	-			MOTOR	36	
37		PACE		-)	->	->/	- \	-	0	A	900	1	20A	1/2"	#12,#12G	R	RECEPT		rorium/	38	
39	SPACE		-	-	-	-	-	0	В	0	-	.=	-	-	-		SPARE		40		
41	SI	PACE		-	-	-	-	-	0	C	0	-	-	-	-	100		SPARE	, , , , , , , , , , , , , , , , , , , ,	42	
																		_			
					A	В	C	_	TOTAL	_						_					
	CONNECT	ED LOAD	(VA)		13855	11542	11197	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	36594												
													1								
		LOAD			BLOADS (	,			SIZING	-	SIZING		1	NOTES							
TYPE		(VA)	,		PNL	,				LOAD (VA)		)			* 1ST 10KVA @ 100%, REM A INING @ 50%						
LIGHTING		9050	10.000.00		-	-	9050			11313		1			** SIZE. FAC. IN ACCORDANCE TO NEC 220-20						
RECEPTACLES		4680	-		-	-	4680		*	_	4680	_	<b>K</b>	***PR0	OVIDE CIR	CUI	T BREAKE	R SHOV	VN.		
	CH EQUIP	21277	-		-	-	21277		100%	1	21277										
KIT(	CHEN EO	0	-		-	l -	0	1	100%	1	0	**									



**GROUNDING DETAIL** 

SCALE: NONE

= 4,466 VA

= **19,466** VA

5000 VA

94 AMPS

R RECEPTACLES
M MECH EQUIP

SERVED

WATER HEATER

DISHWASHER

DISPOSAL (3/4HP)

CLOTHES DRYER

CLOTHES WASHER

A B C TOTAL CONNECTED LOAD (VA) 9485 16160 14510 40155

 IGHTING
 0
 0
 125%
 0

 ECEPTACLES
 0
 0
 \*
 0

 ECH EQUIP
 16900
 16900
 100%
 16900

 ITCHEN EQ
 0
 0
 100%
 0

CONNECTED TOTAL (VA) 40155

DEMAND TOTAL (VA) 40155
DEMAND AMPACITY(A) 167.31 #

CONNECTED AMPACITY (A) 167.31

LOAD SUBLOADS (VA) CONN SIZING SIZING

 0
 0
 125%
 0

 23255
 23255
 100%
 23255

(VA) PNL PNL PNL LD(VA) FACTOR LOAD (VA)

PANELBOARD SCHEDULE

E CKT. BRK

## 

161.90 SIZING AMPACITY (A)

1. UTILITY COMPANY POLE MOUNTED TRANSFORMER(S).

1587 - - 1587 100% 1587 CONNECTED TOTAL (VA) 36594 38857

CONNECTED AMPACITY (A) 152.48

DEMAND TOTAL (VA) 36594 DEM AND AMPACITY (A) 152.48 #

- SERVICE LATERAL CONDUITS CONTRACTOR SHALL PROVIDE ALL NECESSARY EXCAVATING AND BACKFILL AND SHALL FURNISH AND INSTALL SERVICE LATERAL CONDUITS (FOUR 3" SCHEDULE 40 PVC FOR PRICING PURPOSES ONLY), THE UTILITY COMPANY WILL SPECIFY THE ACTUAL TYPE, QUANTITY AND SIZE OF THE CONDUITS TO BE INSTALLED. THE CONTRACTOR SHALL INSTALL A 1/4" DIAMETER, NYLON OR POLYPROPYLENE PULLING ROPE IN EACH CONDUIT FOR THE UTILITY COMPANY'S USE IN INSTALLING THE CONDUCTORS.
- MAIN SWITCHING DEVICE: 240Y/120Vac, 800A, 10 INCOMING AND 10 OUTGOING W/ MAIN FUSIBLE SWITCHES - SQUARE D MODEL EZM1800FSU OR APPROVED EQUAL.
- METER STACK: 120/240V, 125A, 4 HOLE, 10 INCOMING AND 10 OUTGOING, 2-POLE BRANCH CIRCUIT BREAKERS - SQUARE D MODEL EZM114125 OR APPROVED EQUAL. CONTRACTOR TO COORDINATE METER SOCKET CHARACTERISTICS WITH LOCAL UTILITY
- 4A. METER STACK: 120/240V, 225A, 3 HOLE, 10 INCOMING AND 10 OUTGOING, 2-POLE 225A BRANCH CIRCUIT BREAKERS - SQUARE D MODEL EZM113225 OR APPROVED EQUAL. CONTRACTOR TO COORDINATE METER SOCKET CHARACTERISTICS WITH LOCAL UTILITY COMPANY.
- TO SERVICE GROUND SEE DETAIL THIS SHEET.
- 6. 225A, 120/240V, 1ø, 3W, 10K AIC RATING, 42 POLE, MLO, HOUSE PANEL "H1" -SQUARE D OR APPROVED EQUIAL.
- 6A. 225A, 120/240V, 1ø, 3W, 10K AIC RATING, 42 POLE, MLO, HOUSE PANEL "H2" -
- SQUARE D OR APPROVED EQUAL.

- 6B. 225A, 120/240V, 10 3W, 10K AIC RATING, 24 POLE, MLO, HOUSE PANEL "H3" -SQUARE D OR APPROVED EQUAL.
- APARTMENT UNIT LOAD CENTER 100A, 120/240V, 1ø, 3W, 10K AIC RATING, 36 POLE, MCB - SQUARE D OR APPROVED EQUAL.
- 8. APARTMENT UNIT LOAD CENTER FEEDER ONE SET OF (3) #2 + (1) #8 GND. IN
- 9. HOUSE PANEL FEEDER ONE SET OF (3) #4/0 + (1) #2 GND. IN  $2-\frac{1}{2}$  CONDUIT. 10. NOT USED

NORTH (building)

Shepherdstown

# Opera House

**RENOVATIONS** 

131 W. German St. Shepherdstown **West Virginia** 

131 West German Street,

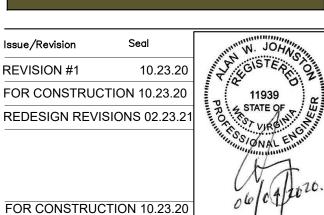
ech/Elect Engineer

FHC Engineering, PC 4 Weems Lane #277 Winchester, VA 22601 540 247-2939

Structural Engineer

Ruckman Engineering, PLC 22-B Ricketts Drive Winchester, VA 22601





Drawing Title **PANEL** SCHEDULES

Date OCTOBER 23, 2020 Project Number Drawing Number

E2.1