

- SHOWN ON SHEET M2.02.
- RELOCATE EXISTING RETURN AIR GRILLE & FIRE DAMPER.
- REMOVE EXISTING SUPPLY REGISTER. CAP DUCT BEHIND
- REMOVE EXISTING RETURN REGISTER. CLEAN DUCT INTERIOR & REGISTER. RE-INSTALL REGISTER FOR
- REMOVE EXISTING SUPPLY GRILLE AND ASSOCIATED
- REMOVE EXISTING SUPPLY DUCT. PREP DUCT FOR NEW

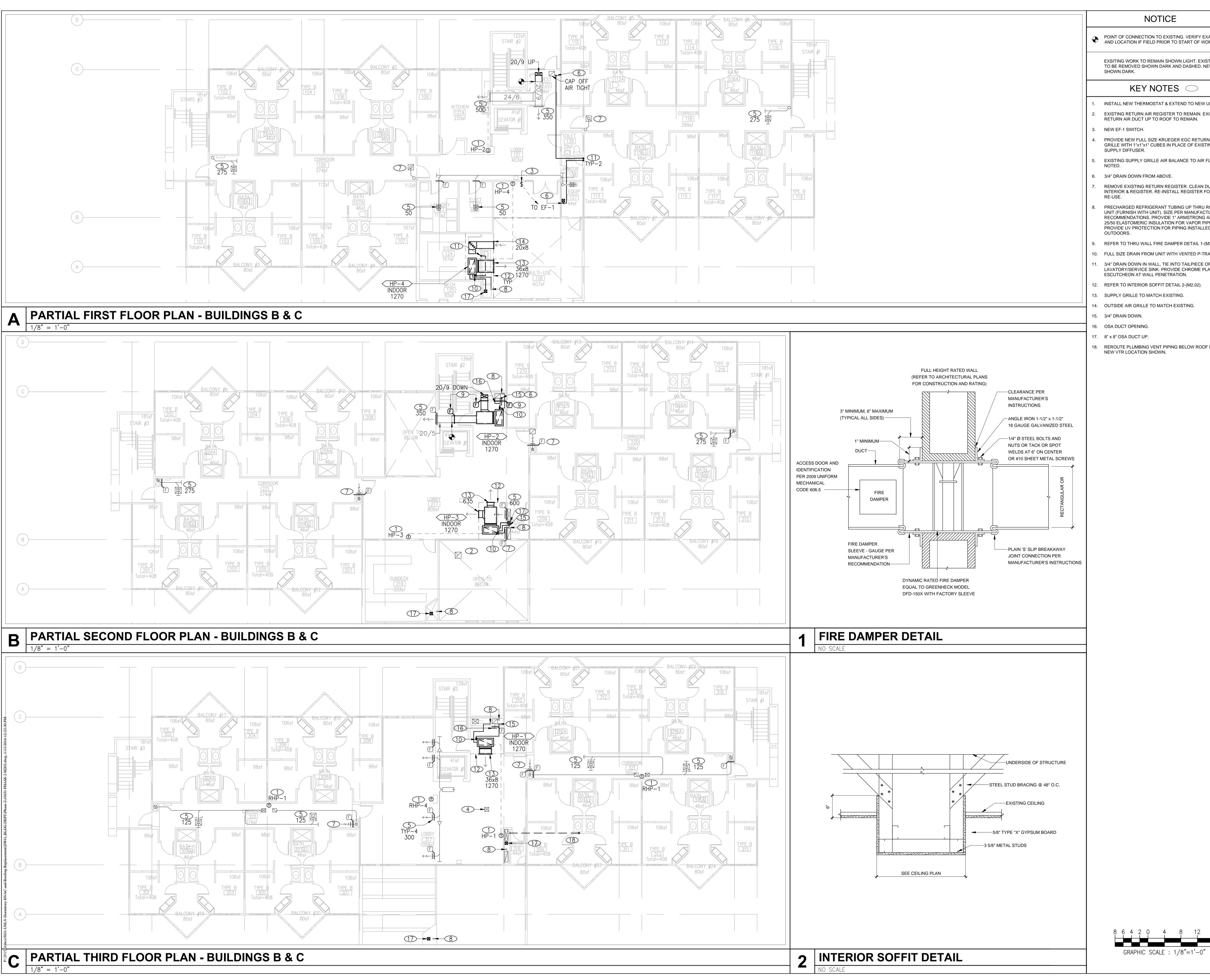
CONSULTANTS:

SHEET TITLE:

PARTIAL DEMO FLOOR PLANS **BUILDINGS** B&C

DATE: 09-29-15

M2.01



NOTICE

STAMP:

REVISIONS:

POINT OF CONNECTION TO EXISTING. VERIFY EXACT SIZE AND LOCATION IF FIELD PRIOR TO START OF WORK.

EXSITING WORK TO REMAIN SHOWN LIGHT. EXISTING WORK TO BE REMOVED SHOWN DARK AND DASHED. NEW WORK

KEY NOTES \bigcirc

INSTALL NEW THERMOSTAT & EXTEND TO NEW UNIT.

EXISTING RETURN AIR REGISTER TO REMAIN. EXISTING RETURN AIR DUCT UP TO ROOF TO REMAIN.

PROVIDE NEW FULL SIZE KRUEGER EGC RETURN AIR GRILLE WITH 1"x1"x1" CUBES IN PLACE OF EXISTING

EXISTING SUPPLY GRILLE AIR BALANCE TO AIR FLOW

6. 3/4" DRAIN DOWN FROM ABOVE.

REMOVE EXISTING RETURN REGISTER. CLEAN DUCT INTERIOR & REGISTER. RE-INSTALL REGISTER FOR

PRECHARGED REFRIGERANT TUBING UP THRU ROOF TO UNIT (FURNISH WITH UNIT). SIZE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE 1" ARMSTRONG AP2000 25/50 ELASTOMERIC INSULATION FOR VAPOR PIPING. PROVIDE UV PROTECTION FOR PIPING INSTALLED

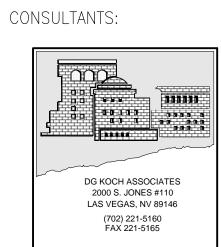
9. REFER TO THRU WALL FIRE DAMPER DETAIL 1-(M2.02).

10. FULL SIZE DRAIN FROM UNIT WITH VENTED P-TRAP.

11. 3/4" DRAIN DOWN IN WALL, TIE INTO TAILPIECE OF LAVATORY/SERVICE SINK. PROVIDE CHROME PLATED ESCUTCHEON AT WALL PENETRATION.

13. SUPPLY GRILLE TO MATCH EXISTING.

18. REROUTE PLUMBING VENT PIPING BELOW ROOF DECK TO NEW VTR LOCATION SHOWN.



15031

SHEET TITLE:

PARTIAL FLOOR PLANS BUILDINGS B&C

M2.02

DATE: 09-29-15

	ELECTRICAL SPECIF	ICATIONS				LEGI	END	
	I - GENERAL	8. CONDUITS AND OUTLETS SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE EXCEPT THAT CERTAIN MOTOR AND	SYMBOL	DESCRIPTION PANELBOARD SURFACE MOUNTED			SYMBOL M	DESCRIPTION MEDIA CENTER OUTLETS (WALL MOUNTED)
	ONS FURNISH AND INSTALL A COMPLETELY WIRED AND OPERATIONAL ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING BUT NOT LIMITED TO, THESE MAJOR ITEMS.	LIGHTING FEEDER CONDUITS MAY BE RUN EXPOSED IN CERTAIN AREAS AS INDICATED ON THE DRAWINGS. CONDUIT SHOWN TO BE INSTALLED IN CABINETS, AND CASEWORK SHALL BE RUN AS DIRECTED BY THE ARCHITECT.		PANELBOARD FLUSH MOUNTED SWITCHBOARD			V	CLASSROOM WIRELESS CEILING ENCLOSURE (CEILING) (1) CAT 6 DATA AND (1) CAT 6 (POE) DATA PROJECTOR MOUNT (WALL)
A.	LIGHTING FIXTURES AS INDICATED AND SPECIFIED ON THE PLANS.	 ALL CONDUIT SYSTEMS SHALL HAVE A CODE SIZED COPPER GROUND CONDUCTOR INCREASE CONDUIT SIZE AS REQUIRED. CONDUIT PENETRATION THROUGH ROOF SHALL HAVE ROOF FLASHING WITH CAULK TYPE COUNTER FLASHING SLEEVE. 		TERMINAL CABINET TRANSFORMER			CS TS	CEILING SPEAKER TEACHER STATION
B. C.	ELECTRICAL PANELS, SERVICE, CONDUIT, WIRING, ETC. FOR ALL OUTLETS AND EQUIPMENT. TELEPHONE OUTLETS AND CONDUIT AS INDICATED.	INSTALLATION SHALL BE WATERTIGHT. VERIFY ROOF TYPE WITH CONTRACTOR PRIOR TO THE INSTALLATION. 11. CONDUITS TO BE ROUTED ON THE SURFACE OF THE STRUCTURE, SHALL BE PARALLEL AND PERPENDICULAR TO THE		MOTOR STARTER	IDIO ATT VEND		$\stackrel{\smile}{=}$	DATA OUTLET @+ 18" AFF UNLESS NOTED OTHERWISE
1.	REGULATIONS AND STANDARDS THE INSTALLATION SHALL COMPLY WITH APPLICABLE LOCAL AND STATE CODES AND ORDINANCES WITH THE REGULATIONS OF THE CURRENTLY ACCEPTED EDITION OF THE NATIONAL ELECTRIC CODE AND WITH THE	STRUCTURE. BEFORE THIS INSTALLATION TAKES PLACE, VERIFY WITH ARCHITECT. C. OUTLET, PULL, AND JUNCTION BOXES	F	COMBINATION MOTOR STARTER (SHADED AREAS INDICENSION OF SWITCH FUSIBLE (SHADED AREAS INDICENSION OF SWITCH FUSI		,	CLG	DATA OUTLET 6" ABOVE BACKSPLASH OF COUNTER COMPUTER OUTLET OR SPECIAL PURPOSE COMMUNICATIONS, CEILING MOUNTED
	REQUIREMENTS OF THE POWER, TELEPHONE, AND CATV COMPANIES FURNISHING SERVICES TO THIS INSTALLATION. THE FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS AND CODES ARE MINIMUM REQUIREMENTS.	1. EACH SWITCH, LIGHT, RECEPTACLE OR OTHER OUTLET SHALL BE PROVIDED WITH A CODE GAUGE, GALVANIZED STEEL OUTLET BOX. JUNCTION AND PULL BOXES SHALL BE CODE GAUGE, GALVANIZED STEEL. OUTLET BOXES SHALL BE OF THE ONE PIECE	TC	DISCONNECT SWITCH NON-FUSIBLE ASTRONOMICAL TIME CLOCK (MOUNT AT 5'-0"AFF MA	AX)		O VV	COMPUTER OUTLET (WIREMOLD) COMPUTER OUTLET (WIRELESS)
A.	THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATIONS STANDARDS.	KNOCKOUT TYPE, IN GENERAL 4" SQUARE WITH PLASTER RING. PLASTER RINGS SHALL BE SET TO PROJECT NOT MORE THAN 1/8" FROM WALL SURFACE TO RING. IN NO CASE SHALL PLASTER RING PROJECT BEYOND SURFACE OF WALL. SINGLE GANG RINGS SIMILAR TO STEEL CITY 52050 SHALL BE USED FOR 4" BOXES IN UNFINISHED BRICK NUMBER 180 BOXES MAY BE USED	(T)	SOLENOID VALVE THERMOSTAT				GENERAL WIRELESS ENCLOSURE, WALL MOUNTED GENERAL WIRELESS ENCLOSURE, CEILING MOUNTED (1) CAT 6 (POE) DATA
В. С. D.	THE NATIONAL ELECTRICAL CODE, INCLUDING LOCAL AMENDMENTS. UNDERWRITER LABORATORIES INCORPORATED STANDARDS. AMERICAN NATIONAL STANDARDS INSTITUTE.	FOR UNFINISHED MASONRY FLUSH WALL OUTLETS. CENTER ALL OUTLET BOXES IN BLOCK COURSE. 2. BOXES INSTALLED IN POURED CEMENT FLOORS SHALL BE FLUSH TYPE CAST IRON OR STEEL WITH WATERTIGHT GASKETED	\bigcirc	JUNCTION BOX DIVISION 15 EQUIPMENT			ACLG	ACTIVE CEILING ENCLOSURE, CEILING MOUNTED PASSIVE CEILING ENCLOSURE, CEILING MOUNTED
E. C. INSPECT	STATE PUBLIC WORKS BOARD CURRENT ADOPTED STANDARDS. TON OF SITE	COVERS. WHERE BOXES ARE INSTALLED IN FLOORS WITH TILE OR CARPET FLOOR COVERING, COVERS SHALL BE OF THE RECESSED TYPE TO ACCOMMODATE THE FLOOR COVERING.		FOOD SERVICE EQUIPMENT			CLG	BRANCH CIRCUIT CONSISTING OF 2 #12 PLUS GROUND IN MINIMUM SIZE CONDUIT
1.	PRIOR TO SUBMITTING A BID FOR ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED CONSTRUCTION AND SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE EXISTING UTILITIES, AND WORKING CONDITIONS TO BE ENCOUNTERED, ETC. ALLOWANCE WILL NOT BE MADE FOR NONCOMPLIANCE WITH THIS	 BOXES INSTALLED FOR THE ALARM, COMPUTER, AND SECURITY SYSTEM SHALL BE PROVIDED WITH APPROPRIATE COVER PLATES AND PULL STRINGS. 	P	PHOTOCELL MANHOLE OR PULLBOX CEILING MOUNTED FLUORESCENT FIXTURE - LOWE		ED DENOTEO	11	HOME RUN TO PANELBOARD OR DEVICE - NUMBER OF ARROWHEADS INDICATE NUMBER OF CIRCUITS BRANCH CIRCUIT - SHORT SLASHES INDICATE NUMBER OF PHASE OR SWITCH
	CONDITIONS AFTER BIDDING. ELECTRICAL INSTALLATION SHALL MEET THE EXISTING CONDITIONS.	4. BOXES FOR TELEPHONE COMPUTER, T.V., FIRE ALARM, SECURITY, AND SIMILAR SYSTEMS SHALL BE MINIMUM 4" SQUARE AND 2-1/8" DEEP AND PROVIDED WITH PULL STRINGS.	а	SWITCHING. UPPER CASE LETTER DENOTES FIXTU DASHED LINES REPRESENTS EXISTING.		ER DENOTES		LEGS LONG SLASHES INDICATE NUMBER OF NEUTRAL AND GROUND LONG SLASH WITH DOT INDICATES ISOLATED GROUND.
	E AND HANDLING OF MATERIAL	D.WIRE 1. ALL CONDUCTORS SHALL BE COPPER.	\bigcirc	WALL MOUNTED FIXTURE (HID SHOWN) HID FIXTURE				CONDUIT IN SLAB OR UNDERGROUND CONDUIT RISER UP
1.	DELIVER MATERIALS AND EQUIPMENT TO THE PROJECT IN THE MANUFACTURER'S ORIGINAL, UNOPENED, LABELED CONTAINERS. PROTECT AGAINST MOISTURE, TAMPERING OR DAMAGE FROM IMPROPER HANDLING OR STORAGE. CONTRACTORS SHALL PROTECT AND BE RESPONSIBLE FOR ANY DAMAGE TO WORK OR MATERIALS UNTIL FINAL	2. NO WIRE SHALL BE INSTALLED IN THE CONDUIT SYSTEM UNTIL THE CONDUIT SYSTEM IS COMPLETE. USE MINERALAC NO. 100		FLUORESCENT FIXTURE FLUORESCENT STRIP FIXTURE			,	CONDUIT RISER DOWN INTERRUPTER SWITCH
	ACCEPTANCE BY THE OWNER, AND SHALL MAKE GOOD WITHOUT COST TO THE OWNER, ANY DAMAGE OR LOSS THAT MAY OCCUR DURING THIS PERIOD.	OR EQUIVALENT AS A LUBRICANT TO FACILITATE THE INSTALLATION OF THE CONDUCTORS IN THE CONDUIT SYSTEM. 3. SPLICES IN EXTERIOR PULL BOXES AND MANHOLES SHALL BE WEATHERPROOF USING "SCOTCHCAST" SPLICE KIT OR		EMERGENCY LIGHTING UNIT EXIT FIXTURE - SHADES AREA DENOTES LIGHTED F	FACE ARROW	V DENOTES DIDECTION		FUSE
	ARRANGE FOR TIMELY DELIVERY OF MATERIALS AND EQUIPMENT TO THE JOB SITE IN ORDER TO MINIMIZE THE LENGTH OF TIME BETWEEN DELIVERY AND INSTALLATION.	APPROVED EQUAL. SEAL ENDS OF CONDUITS AND DUCTS WITH "DUCTSEAL" OR APPROVED EQUAL. 4. PROVIDE SOLID CONDUCTOR FOR 10 AWG AND SMALLER.		EMERGENCY CONNECTED FIXTURE (FLUORESCENT	T SHOWN)	V DENOTES DIRECTION	M	CIRCUIT BREAKER METERING
	COVER AND PROTECT ANY MATERIAL WHICH MAY BE AFFECTED BY THE WEATHER WHILE IN TRANSIT OR STORED AT THE PROJECT SITE. ANY MATERIAL FOUND DEFECTIVE OR NOT INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS MAY BE REJECTED BY THE ENGINEER.	5. TYPE MC IS NOT PERMITTED. USE EMT FOR USE AS FEEDERS, BRANCH CIRCUITS, POWER, LIGHTING, CONTROL, AND SIGNALS. IT MAY BE USED CONCEALED OR EXPOSED, INDOOR OR OUTDOOR. IF IDENTIFIED FOR SUCH USE IT MAY BE USED AS DIRECT		POLE MOUNTED FIXTURE (DOUBLE ARM, 2 FIXTURE TRACK LIGHTING WITH FIXTURE(S)	ES)		(KW)	CURRENT TRANSFORMERS
E. CLEANUI	<u> </u>	BURIAL OR CABLE TRAY OR ANY RACEWAY. IT CAN BE INSTALLED IN WALLS EITHER DAMP OR WET LOCATION, IN WET LOCATIONS WHERE REQUIREMENTS ARE MET. INSTALL PER ART. 320 OF THE N.E.C.	¥	EXISTING TELEPHONE OUTLET @ +18" AFF UNLESS (1) CAT 6 ANALOG PHONE OUTLET (W - INDICATES I		L		MOTOR OUTLET GENERATOR
	KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS, OR RUBBISH CAUSED BY EMPLOYEES OR WORK UNDER THIS DIVISION OF THE SPECIFICATIONS. AT THE COMPLETION OF THE WORK REMOVE ALL SURPLUS MATERIALS, TOOLS, ETC., AND LEAVE THE PREMISES BROOM-CLEAN.'	E. WIRING DEVICES 1. WALL SWITCHES SHALL BE SPECIFICATION GRADE AC SILENT TYPE SWITCHES, 20A, 120/277 VOLT. SEE ARCHITECTURAL	₹c	EXISTING TELEPHONE OUTLET, COUNTER HEIGHT (1) CAT 6 ANALOG PHONE OUTLET	-		_	SINGLE RECEPTACLE @ +18" AFF UNLESS NOTED OTHERWISE DUPLEX RECEPTACLE @ +18" AFF UNLESS NOTED OTHERWISE
		SPECIFICATIONS FOR COLOR. 2. RECEPTACLES SHALL BE SPECIFICATIONS GRADE, DUPLEX TYPE, NEMA 5-20R, 20 AMPERE, 120 VOLT GROUNDED TYPE.		Y ⁴⁶ " EXISTING TELEPHONE OUTLET AT +46" AFF (1) CAT 6 ANALOG PHONE OUTLET				FLOOR MOUNTED DUPLEX RECEPTACLE QUADRUPLEX RECEPTACLE @ +18" AFF UNLESS NOTED OTHERWISE
F. DRAWING	GS THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF THE ELECTRICAL WORK. DATA PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL	SPECIAL APPLICATION RECEPTACLES SHALL BE INDICATED ON PLANS. MOUNT WITH THE GROUND DOWN. SEE ARCHITECTURAL SPECIFICATIONS FOR COLOR.	¥	TELEPHONE OUTLET, COUNTER HEIGHT		_		QUADRAPLEX COMPUTER RECEPTACLE AT +18" AFF, UNLESS NOTED OTHERWISE. RECEPTACLE AND COVER TO BE GREY
	DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITIONS IS REQUIRED. REVIEW ALL ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS	3. DEVICE PLATES SHALL BE EQUAL TO SIERRA SMOOTH-LINE NYLON WALL PLATES. COLOR SHALL BE THE SAME AS THE DEVICE COLOR UNLESS OTHERWISE NOTED.	√c	(1) CAT 6 ANALOG PHONE OUTLET TELEPHONE OUTLET, COUNTER HEIGHT			-	DUPLEX COMPUTER RECEPTACLE AT +18" AFF, UNLESS NOTED OTHERWISE. RECEPTACLE AND COVER TO BE GREY. GFCI RECEPTACLE
	SHOWN. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE	4. RECEPTACLES IN OUTDOOR AND WET LOCATIONS SHALL BE INSTALLED WITH A HINGED OUTLET COVER/ENCLOSURE CLEARLY MARKED AS U.L LISTED SUITABLE FOR WET LOCATIONS WHILE IN USE, EQUAL TO TAYMAC SPECIFICATION GRADE.	√46"	(1) CAT 6 ANALOG PHONE OUTLET TELEPHONE OUTLET AT +46" AFF		J	$\overline{}$	SPECIAL PURPOSE RECEPTACLE MULTIOUTLET ASSEMBLY
	DATE OF BID OPENING. IF DISCREPANCIES ARE NOT REPORTED, THE CONTRACTOR SHALL BID THE GREATER QUANTITY OR BETTER QUALITY, AND ADJUSTMENTS WILL BE MADE AFTER CONTRACT AWARD. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE AND CONFIRM MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT	F. SYSTEM GROUNDING	<u> </u>	(1) CAT 6 ANALOG PHONE OUTLET TELEPHONE TERMINAL BOARD 4' X 8' X 3/4" FIRE TREA	EATED PLYWO	OD		SINGLE POLE SWITCH @ +48" AFF UNLESS NOTED OTHERWISE THREE WAY SWITCH @ +48" AFF UNLESS NOTED OTHERWISE
	WITH RESPECT TO COUNTERS, RADIATION, ETC. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS, USE ACTUAL BUILDING DIMENSIONS.	1. GROUNDING SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 250. ALL EXPOSED NONCURRENT CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, METALLIC RACEWAY SYSTEMS, METALLIC CABLE ARMOR, GROUNDING CONDUCTOR OF	¥	TELEPHONE OUTLET @ +18" AFF UNLESS NOTED O (1) CAT 6 VoIP PHONE OUTLET) IN ONE FACEPLATE	OTHERWISE		4	FOUR WAY SWITCH @ +48" AFF UNLESS NOTED OTHERWISE KEY OPERATED SWITCH @ +48" AFF UNLESS NOTED OTHERWISE
	RATION WITH OTHER CONTRACTORS	NONMETALLIC SHEATHED CABLES, GROUNDING CONDUCTOR IN NONMETALLIC RACEWAYS, AND GROUNDED CONDUCTORS OF THE WIRING SYSTEM SHALL BE GROUNDED.	y C	TELEPHONE OUTLET, COUNTER HEIGHT		_	D [DIMMER OPERATED SWITCH @ +48" AFF UNLESS NOTED OTHERWISE
	COOPERATE WITH THE OTHER TRADES SO THAT THE INSTALLATION OF THE ELECTRICAL OUTLETS AND EQUIPMENT WILL BE PROPERLY COORDINATED. CONDUIT, LIGHTING FIXTURES, AND OTHER EQUIPMENT LOCATIONS SHALL BE CHECKED WITH OTHER TRADES TO AVOID CONFLICT WITH THE PIPING, DUCTWORK, STEEL, BEAMS, OR OTHER	 GROUNDING CONDUCTOR (NEUTRAL) OF THE WIRING SYSTEM SHALL BE CONNECTED TO THE SYSTEM GROUNDING CONDUCTORS AT A SINGLE PLACE IN EACH SYSTEM BY REMOVABLE BONDING JUMPERS, SIZED ACCORDING TO THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE. THE GROUNDED CONDUCTOR (NEUTRAL) TO THE 	▼46"	(1) CAT 6 VoIP PHONE OUTLET) IN ONE FACEPLATE TELEPHONE OUTLET AT +46" AFF	:			SWITCH WITH PILOT LIGHT @ +48" AFF UNLESS NOTED OTHERWISE MOTION SENSOR SWIITCH @ +48" AFF UNLESS NOTED OTHERWISE
	OBSTRUCTIONS. CAREFULLY CHECK THE LOCATIONS OF THE OUTLET BOXES AND DETERMINE THAT THEY HAVE NOT BEEN DISTURBED DURING THE INSTALLATION OF MATERIALS OF OTHER TRADES.	GROUNDING CONDUCTOR CONNECTION SHALL BE LOCATED IN THE ENCLOSURE FOR THE SYSTEM'S OVERCURRENT PROTECTION OR WHERE OTHERWISE INDICATED ON THE PLANS OR SPECIFICATIONS.	1	(1) CAT 6 VoIP PHONE OUTLET) IN ONE FACEPLATE SOUND SYSTEM CONTROL AND AMPLIFIER CABINET				DIGITAL TIMER SWITCH @ +48" AFF UNLESS NOTED OTHERWISE. CEILING MOUNTED MOTION SENSOR
2.	COORDINATE HVAC EQUIPMENT CONNECTION REQUIREMENTS WITH HVAC CONTRACTOR.	G. GUARANTEE	(\$)	INTERCOM / CLOCK BOX WITH CALL SWITCH MOUNTE INDIVIDUAL SPEAKER OR SPEAKER IN CONTROL MOD		48" AFF.		POWER PACK FOR MOTION SENSOR CONTROL STATION
PART	II - PRODUCTS AND EXECUTION	GUARANTEE ALL MATERIAL FURNISH AND ALL WORKMANSHIP PERFORMED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF WORK. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD, TRACEABLE TO MATERIAL FURNISHED AS A PART OF THIS SECTION OR WORKMANSHIP PERFORMED HEREUNDER, SHALL BE MADE GOOD AT NO EXPENSE.	C	CLOCK (IN CONTROL MODULE) INFRARED REPEATER (ALS SYSTEM)				
A. MATERIA 1.	ALL MATERIALS SHALL BE NEW AND OF QUALITY AS SPECIFIED ON THE PLANS OR SPECIFICATIONS AND MUST CARRY	H. SHOP DRAWINGS AND APPROVALS 1. THE ITEMS SPECIFIED HEREIN AND ON DRAWINGS ARE USED AS A STANDARD OF QUALITY. ANY MATERIALS OF EQUAL	H	HORN				
	THE UNDERWRITER'S LABORATORIES APPROVAL COVERING THE PURPOSE FOR WHICH THEY ARE USED, IN ADDITION TO MEETING ALL REQUIREMENTS OF THE CURRENT APPLICABLE CODES AND REGULATIONS.	QUALITY AND AESTHETIC VALUE WILL BE GIVEN CONSIDERATION AS A SUBSTITUTE FOR THE MATERIALS SPECIFIED. NO APPROVAL WILL BE GIVEN TO A SPECIFIC CATALOG NUMBER MODEL, OR TYPE OF EQUIPMENT, PRIOR TO BIDDING. AFTER	<u>MP</u>	MICROPHONE OUTLET FIRE ALARM DEVICE - NUMBER REFERS TO DEVICE SCHEDULE				
		BIDDING, THE DECISION OF THE ARCHITECT AND/OR ENGINEER DETERMINING EQUAL MATERIALS WILL BE FINAL. 2. THE CONTRACTOR SHALL SUBMIT SEVEN(7) IDENTICAL BOUND SETS OF SHOP DRAWINGS ON THE FOLLOWING ITEMS:		STANDARD A	BBRE	VIATIONS		SHEET INDEX
	WITH THE EARTH. EMT MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH EARTH, NOT IN CONCRETE SLABS OR WALLS AND NOT SUBJECT TO DAMAGE. PVC MAY BE USED IN OR BELOW CONCRETE AND DIRECT BURIED IN EARTH. FLEXIBLE STEEL CONDUIT SHALL BE USED FOR INDOOR FINAL CONNECTIONS TO EQUIPMENT IN LENGTHS NOT TO	A. LIGHTING FIXTURE CUTES AND PERFORMANCE DATA. B. OUTLINE AND DATA SHEETS OF EACH PANELBOARD AND SWITCHBOARD C. OUTLINE DRAWINGS OF ALL SWITCHGEAR.	SYMBOL A	DESCRIPTION AMPERE	SYMBOL MCB	DESCRIPTION MAIN CIRCUIT BREAKER		SYMBOL
	EXCEED 12". LIQUID-TIGHT FLEXIBLE STEEL CONDUIT SHALL BE FOR OUTDOOR FINAL CONNECTIONS TO EQUIPMENT NOT TO EXCEED 36".	3. SUBMIT ITEMS AT ONE TIME IN A NEAT AND ORDERLY MANNER WITHIN 15 DAYS OF AWARD OF CONTRACT. PARTIAL SUBMITTALS WILL NOT BE ACCEPTABLE.	AFF AF	ABOVE FINISHED FLOOR ARC FAULT, AMP FUSE	MECH.	MECHANICAL MINIMUM		
	WHERE CONDUIT ENTERS OUTLET BOXES, FIXTURES OR CABINETS, FIRMLY FASTEN WITH STEEL SET SCREW COMPRESSION CONNECTORS, OR DOUBLE LOCKNUTS FOR GRC. ALL CONNECTIONS SHALL HAVE BUSHINGS OR	I. RECORD AND AS-BUILT DRAWINGS 1. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN A SET OF DRAWINGS AT THE JOB SITE FOR THE EXCLUSIVE PURPOSE OF	AFG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY		
	INSULATED THROAT CONNECTORS. FIRMLY FASTEN CONDUIT TO THE BUILDING CONSTRUCTION. RUN EXPOSED CONDUIT PARALLEL TO THE BUILDING LINES, SUPPORTED BY APPROPRIATE HANGERS (UNISTRUT, T & B OR APPLETON, OR EQUAL).	MAINTAINING A RECORD OF ALL WORK INSTALLED AND TO SHOW ANY DEVIATIONS FROM THE WORK INDICATED ON THE DRAWINGS.	AIC AL	AMPERE INTERRUPTING CAPACITY ALUMINUM	MTD NC	MOUNTED NORMALLY CLOSED		
	COVER METALLIC CONDUIT IN CONTACT WITH EARTH WITH POLYETHYLENE TAPED SPIRAL WRAPPED, 1/2 LAPPED TO PROVIDE 20 MIL. THICKNESS. TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUIT AND DUCTS NOT UNDER BUILDINGS AND	2. AT THE COMPLETION OF THE PROJECT, ONE SET OF REPRODUCIBLE DRAWINGS, SHOWING ALL AS-BUILT CONDITIONS, SHALL BE DELIVERED TO THE OWNER FOR ACCEPTANCE PRIOR TO FINAL PAYMENT.	ARCH'L.	ARCHITECTURAL AMP SWITCH	NEC NECA	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL CONTRACTOR'S ASSOCIATION		
	FEEDER DUCTS SHALL BE INSTALLED PER N.E.C. 300-5. MAKE JOINTS WITH COMPOUND TO BE WATERTIGHT.		AWG BC	AMERICAN WIRE GAUGE BARE COPPER	NEMA NEUT	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NEUTRAL		
	FITTINGS AND CONDUIT BODIES SHALL BE STEEL. NO DIECAST FITTINGS. CONDUIT SIZES SHALL BE AS REQUIRED BY CODE AND AS INDICATED OR SPECIFIED. PROVIDE PULL BOXES AT		BLDG C	BUILDING CONDUIT	NFC NF	NATIONAL FIRE CODE NON-FUSIBLE		MANT S TIMES
	INTERVALS PER THE N.E.C.		CAB CAT	CABINET CATALOG/CATEGORY	NIC	NOT IN CONTRACT NIGHT LIGHT		
	ALL EMPTY CONDUIT SYSTEMS SHALL HAVE A NYLON FULL STRING TO FACILITATE INSTALLATION OF FUTURE WIRE. SCHEDULE 40 PVC CONDUIT SHALL BE PERMITTED UNDERGROUND WITH PROPER FITTINGS, ALL UL APPROVED AND		C/B	CIRCUIT BREAKER	NO	NORMALLY OPEN		00-57
	CEMENTED JOINTS. PENETRATIONS THOUGH FLOOR SLABS AND BENDS GREATER THAN 22" SHALL BE WRAPPED RIGID GALVANIZED STEEL ELBOWS.		CKT	CIRCUIT	NPCO NTS	NEVADA POWER COMPANY NOT TO SCALE		SHEET NO SHEET DESCRIPTION • EG1.01 ELECTRICAL SPECIFICATIONS, LEGEND AND ABBREVIATIONS
			CO, EC COMM	CONDUIT ONLY COMMUNICATION	OCP P	OVERCURRENT PROTECTION POLE		■ E1.01 FIRST, SECOND AND THIRD FLOOR PLANS BUILDINGS B & C ELECTRICAL
			CU DEMO	COPPER DEMOLITION/DEMOLISH	PH PNL	PHASE PANEL		● E1.02 DEMO AND NEW ROOF PLANS BUILDINGS B & C ELECTRICAL
			DISC	DISCONNECT	PV PVC	PV PHOTOVOLTAIC POLYVINYL CHLORIDE		● E2.01 SINGLE LINE DIAGRAMS, LOAD CALC, PANEL - BLDGS B & C
			DWG EA	DRAWING EACH	PWR QTY	POWER QUANTITY		● E3.01 ELECTRICAL DETAILS
23:38 PM			ELECT.	ELECTRICAL	RECEP	RECEPTACLE		
3/2016 12.			ELEV	ELEVATOR EMERGENCY	REQ'D RSC	REQUIRED RIGID STEEL CONDUIT		
dwg, 1/13			EMT EQUIP	ELECTRICAL METALLIC TUBING EQUIPMENT	SCHED SECT	SCHEDULE SECTION		
2 EG101.			(E), EXIST FBO	EXISTING FURNISHED BY OTHERS	SP SN	SINGLE POLE SOLID NEUTRAL		
PHASE			FF FIXT	FINISHED FLOOR FIXTURE	SPEC SW	SPECIFICATION SWITCH		
e 2\15031			FLEX FLUOR	FLEXIBLE METALLIC CONDUIT (STEEL) FLUORESCENT	SWBD SWGR	SWITCHBOARD SWITCH GEAR		
)EPT\Pha			FT	FEET OR FOOT	SYS	SYSTEM		
BLDG DI			GFA GFCI	GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER	TEMP TELE	TEMPORARY TELEPHONE		
ent\DWG_			GND HP	GROUND HORSEPOWER	T-STAT TTB	THERMOSTAT TELEPHONE TERMINAL BACKBOARD		
eplaceme			HVAC IBC	HEATING, VENTILATING & AIR CONDITIONING INTERNATIONAL BUILDING CODE	TTC TYP.	TELEPHONE TERMINAL CABINET TYPICAL		
Roofing R			IMC	INTERMEDIATE METAL CONDUIT	UBC	UNIFORM BUILDING CODE		
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ALV Dorr								
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STAM

REVISIONS:

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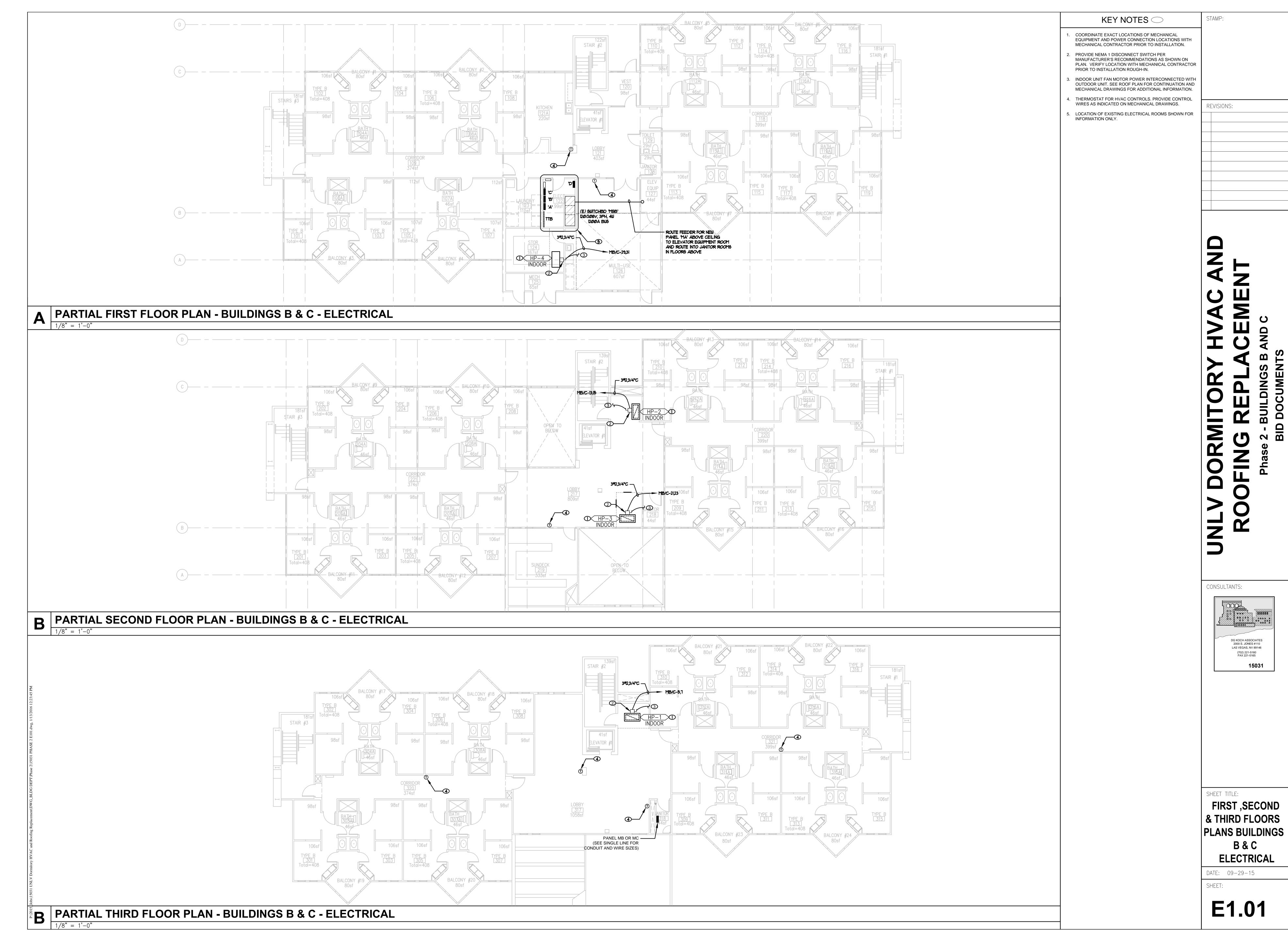
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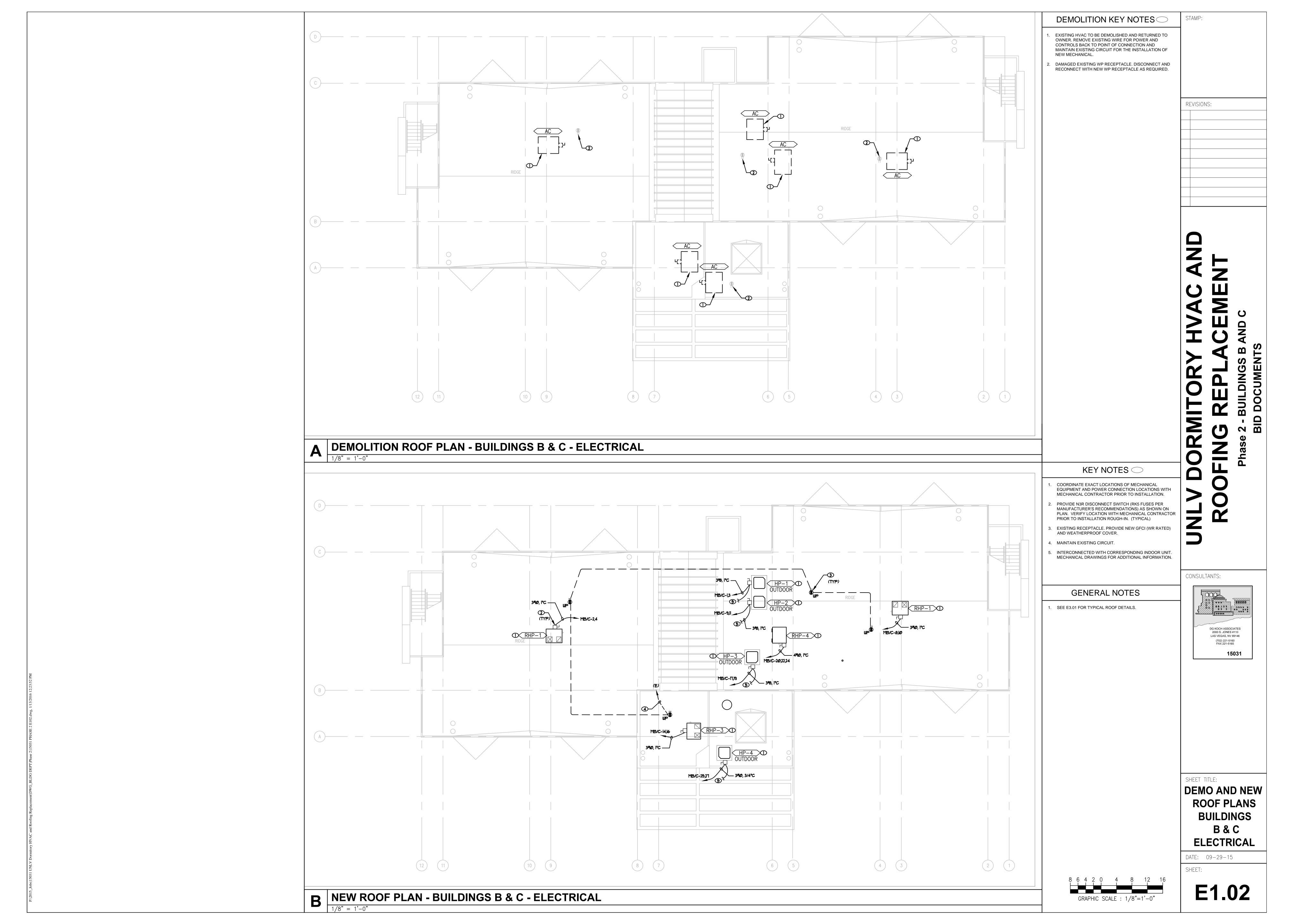
ELECTRICAL
SPECS, LEGEND
AND
ABBREVIATIONS

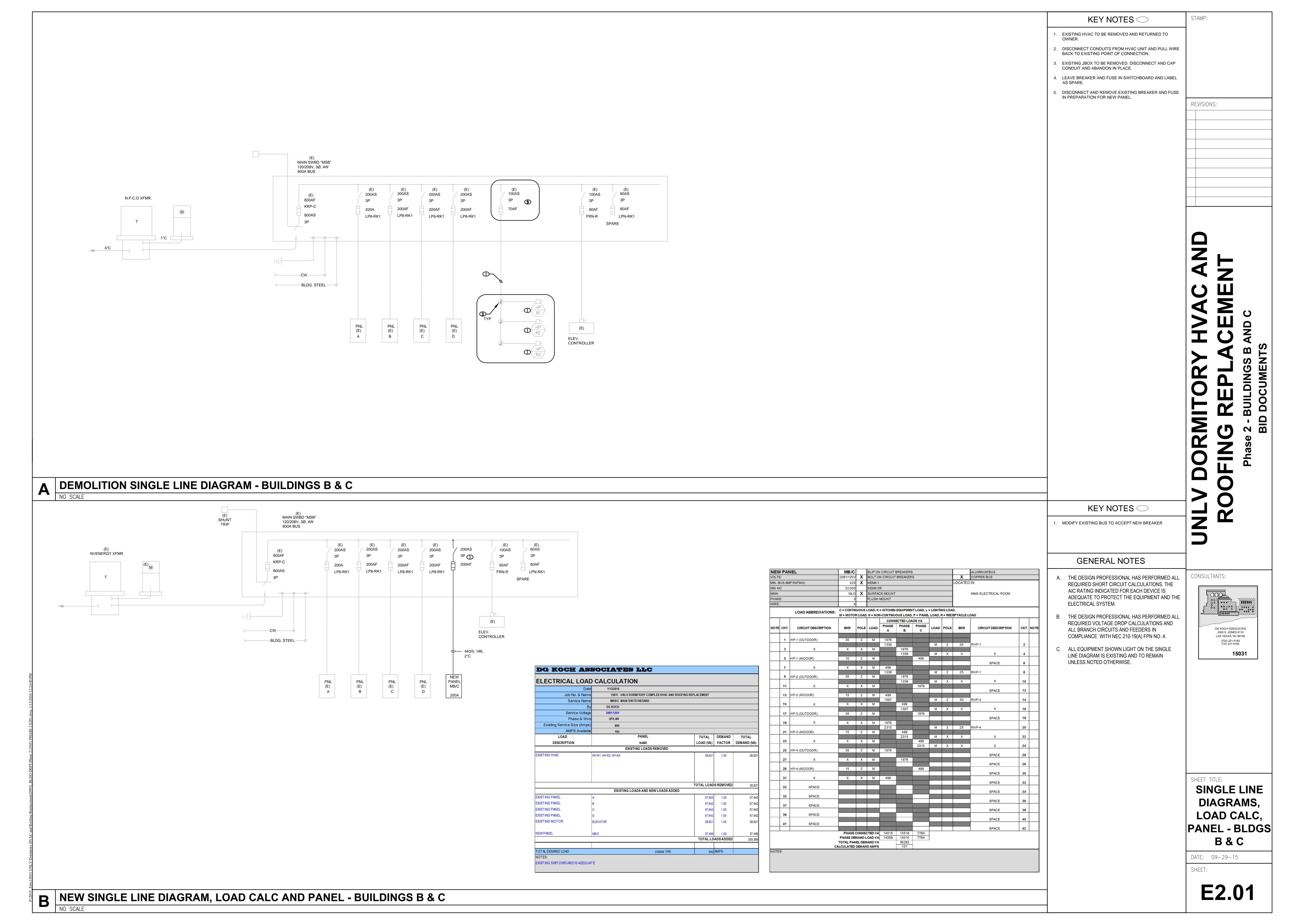
DATE: 09-29-15

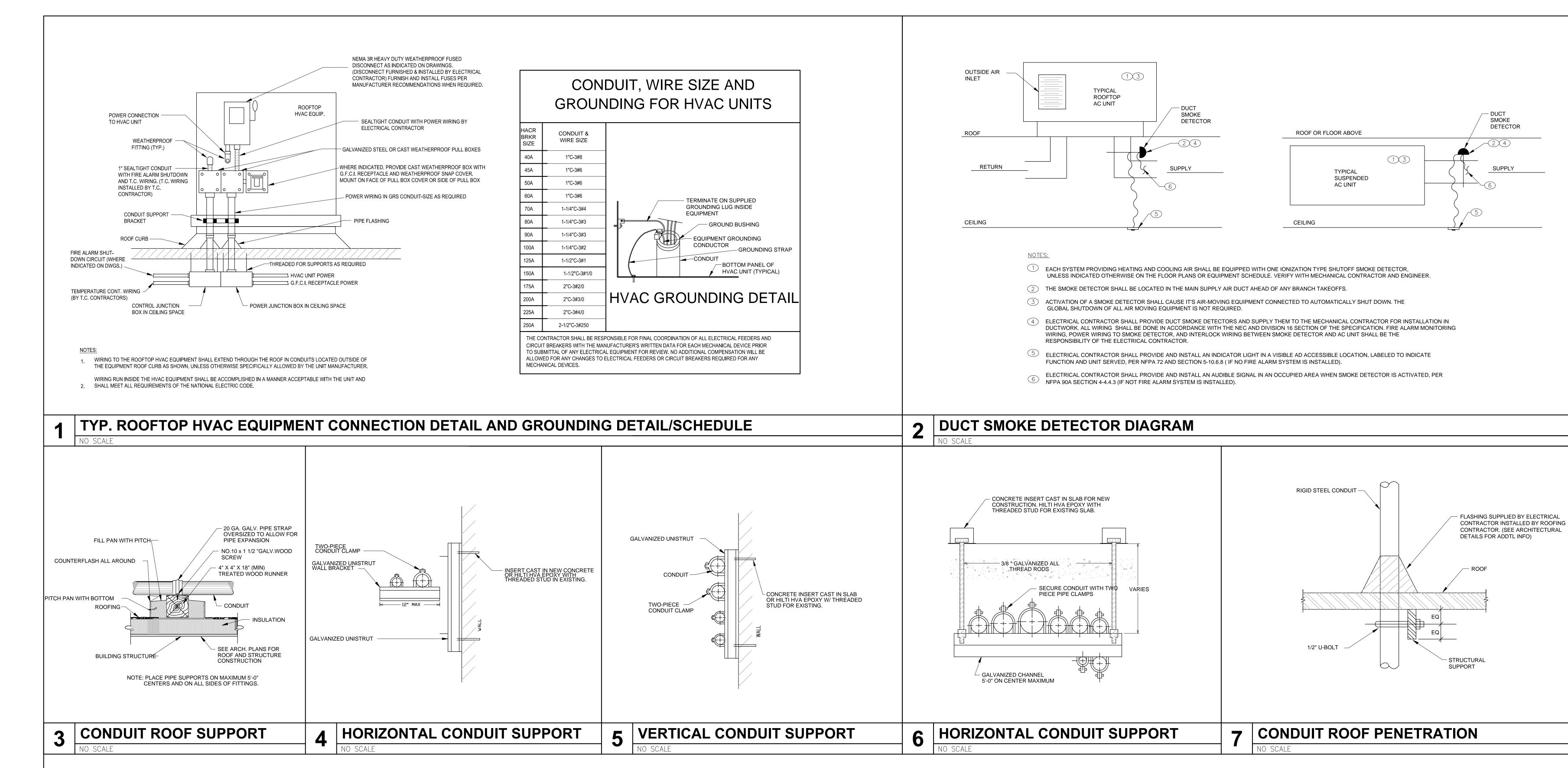
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EG1.01









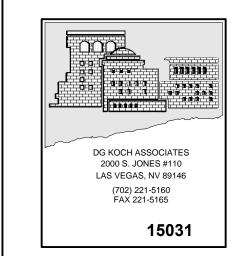
STAMP:

REVISIONS:

— DUCT SMOKE

DETECTOR

CONSULTANTS:



SHEET TITLE: **ELECTRICAL DETAILS**

DATE: 09-29-15

E3.01