

FIRE ALARM DETECTION NOTE

MAINTAIN SMOKE AND HEAT DETECTION COVERAGE OF ALL AREAS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. PROVIDE TEMPORARY MOUNTING HARDWARE AND SUPPORTS AS REQUIRED TO SECURE SMOKE AND HEAT DETECTORS TO EXISTING BUILDING STRUCTURE. EXISTING SMOKE AND HEAT DETECTORS MAY BE UTILIZED FOR TEMPORARY FIRE PROTECTION.

GENERAL RENOVATION NOTES

A. WALK-THRU WITH OWNER AND VERIFY ALL ELECTRICAL DEVICE LOCATIONS PRIOR TO INSTALLATION.

B. ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATE. VERIFY EXACT EQUIPMENT LOCATIONS PRIOR TO FEEDER ROUGH-IN.

C. TO MAINTAIN DRAWING CLARITY CIRCUITRY, FOR HVAC/PLUMBING EQUIPMENT MOTOR CONNECTIONS AND CONTROL DEVICES, HAS NOT BEEN SHOWN. REFER TO ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ON DRAWING E-701 FOR HVAC/PLUMBING EQUIPMENT CIRCUITRY REQUIREMENTS AND ADDITIONAL INFORMATION.

D. MOTOR CONNECTION LOCATIONS SHOWN ARE APPROXIMATE. VERIFY EXACT LOCATIONS WITH OTHER TRADES PRIOR TO FEEDER/ CONDUIT ROUGH-IN

E. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SUPPORT HARDWARE FOR SECURELY FASTENING THE HVAC/PLUMBING ELECTRICAL CONTROL DEVICES AND ENCLOSURES TO THE BUILDING STRUCTURE. THE REQUIRED HARDWARE INCLUDES, BUT IS NOT LIMITED TO, INTERMEDIATE STEEL, ANGLE, UNISTRUT, FASTENERS, JOISTS CLAMPS, ETC. MOUNT STARTERS, VFD'S, DISCONNECTS, RELAYS, AND OTHER HVAC/PLUMBING ELECTRICAL CONTROL DEVICES AND ENCLOSURES AT LOCATION(S) INDICATED IN ELECTRIC EQUIPMENT & CONTROL SCHEDULE(S). ALLOW MAINTENANCE ACCESS AND SERVICE SPACE AT EACH LOCATION.

F. WHERE POSSIBLE, PROVIDE LIGHT SWITCH(ES) & WALL MOUNTED OCCUPANCY SENSOR(S) IN SAME LOCATION AS REMOVED LIGHT SWITCH(ES). PROVIDE CIRCUITRY FOR LIGHT FIXTURE CONTROL AS SHOWN.

G. AM OCCUPANCY SENSOR(S) FOR OPTIMAL COVERAGE OF SPACE. SET EACH SENSOR FOR TIME SETTING AS DIRECTED BY OWNER.

H. FIRE ALARM CONDUIT SHALL BE PAINTED RED (RED "TOP--COATED" CONDUIT FROM THE CONDUIT MANUFACTURER MAY BE USED IN LIEU OF PAINTED CONDUIT) IN ACCORDANCE WITH THE REQUIREMENTS OF FIRE ALARM DETECTION AND ALARM SPECIFICATION.

I. UNLESS NOTED AS EXISTING, CONTRACTOR SHALL PROVIDE ALL MATERIALS SHOWN ON DRAWINGS. ALL MATERIALS PROVIDED SHALL BE NEW, UNUSED CONDITION.

J. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF AND RELOCATION OF OTHER ITEMS, NOT SHOWN ON DRAWINGS, AS REQUIRED TO COMPLETE ALL RENOVATIONS.

K. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL ALTER EXISTING PANELBOARD CIRCUIT BREAKER DIRECTORIES, MOUNTED IN EXISTING PANELBOARDS, TO DESCRIBE NEW EQUIPMENT AND DEFINE THEIR CORRESPONDING CIRCUIT BREAKER.

GENERAL REMOVAL NOTES

A. REMOVAL DRAWINGS ARE BASED ON FIELD OBSERVATION. REPORT ANY CONFLICTS TO THE ENGINEER BEFORE DISTURBING EXISTING EQUIPMENT.

B. BEGINNING OF REMOVAL MEANS THE CONTRACTOR ACCEPTS ALL EXISTING CONDITIONS.

C. VERIFY SCOPE OF WORK: CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE SCOPE OF THE WORK, AND TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS THAT WILL AFFECT THEIR WORK AND, THEREFORE, THEIR BID.

D. UNLESS NOTED OTHERWISE, EXISTING ELECTRICAL EQUIPMENT SHOWN ON THESE PLANS ARE A PART OF ELECTRICAL CONTRACT. TO MAINTAIN DRAWING CLARITY NOT ALL EXISTING ELECTRICAL EQUIPMENT HAS BEEN SHOWN. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT/ ENGINEER OF ANY CONFLICTS.

E. UNLESS NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN ON THESE PLANS AS INDICATED BY CROSS HATCHED LINES.

F. UNLESS NOTED OTHERWISE, REMOVAL OF ELECTRICAL EQUIPMENT AND DEVICES INCLUDES REMOVAL OF CIRCUITRY BACK TO ASSOCIATED ELECTRIC SOURCE/PANEL. THIS INCLUDES REMOVAL OF THE DEVICE, WIRING, RACEWAYS, BOXES, CONTROL DEVICES, SUPPORTS, ETC.

G. EXISTING CIRCUIT BREAKERS ASSOCIATED WITH ELECTRICAL EQUIPMENT SCHEDULED FOR REMOVAL SHALL REMAIN FOR SPARES UNLESS REMOVAL IS REQUIRED TO MAKE ADDITIONAL SPACE (IN EXISTING ELECTRICAL PANELS) FOR NEW CIRCUIT BREAKERS.

H. PRIOR TO REMOVAL WORK WALK-THRU PROJECT WITH VA COTR TO IDENTIFY EQUIPMENT THEY WISH TO RETAIN. REMOVE ALL UNUSED EXISTING EQUIPMENT WHERE ACCESSIBLE AND OFFER ALL SALVAGE MATERIAL TO THE OWNER. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL, OR ACCEPTANCE, OF ALL SALVAGEABLE EQUIPMENT REMOVED FROM THE BUILDING. DELIVER, IN GOOD CONDITION, THE EXISTING EQUIPMENT THE OWNER WISHES TO RETAIN, TO ONSITE LOCATION DESIGNATED BY OWNER. THE EQUIPMENT NOT CLAIMED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIAL, NOT RETAINED BY THE OWNER, IN A LAWFUL AND LEGAL MANNER AWAY FROM THE SITE.

I. MAINTAIN THE ELECTRICAL INTEGRITY OF ALL EXISTING BRANCH CIRCUITS INTERRUPTED BY REMOVAL WORK. PROVIDE ALL WIRING, CONDUIT, AND HARDWARE REQUIRED TO MAINTAIN CONTINUITY OF ELECTRICAL EQUIPMENT REMAINING ON EXISTING BRANCH CIRCUITS NOT BEING COMPLETELY REMOVED OR OUTSIDE WORK THE WORK AREA.

J. PROVIDE BLANK COVER PLATE(S) FOR EXISTING ELECTRICAL BOX(ES) WHICH REMAIN AFTER REMOVALS AND ARE NOT BEING USED FOR NEW DEVICES. PAINT COVERPLATE TO MATCH ADJACENT SURFACES.

K. WHERE REMOVALS OCCUR ON SERVICES THAT ARE TO REMAIN IN OPERATION, CAP OR OTHERWISE TERMINATE THE REMAINING SERVICES BENEATH FINISHED SURFACES.

L. CAREFULLY REMOVE AND STORE ALL EQUIPMENT TO BE REUSED IN A SAFE PLACE UNTIL READY FOR REINSTALLATION. CLEAN MATERIALS BEFORE REINSTALLATION AND ENSURE EQUIPMENT IS STILL FULLY OPERATIONAL.

FIRE ALARM SYSTEM NOTE

EXPAND EXISTING FIRE ALARM SYSTEM TO INCLUDE ADDITIONAL DEVICES AND EQUIPMENT SHUTDOWN SHOWN ON DRAWINGS. PROVIDE ALL EXPANDER PANELS, POWER SUPPLIES, RELAYS, COMPONENTS, WIRING, ETC., AS REQUIRED.

PROVIDE FIRE ALARM DEVICES AT LOCATIONS SHOWN AND CIRCUIT TO EXISTING FIRE ALARM CONTROL PANEL AND FIRE ALARM REMOTE SIGNAL EXPANDERS PANEL AS REQUIRED.

THE ELECTRICAL INTEGRITY OF ALL EXISTING FIRE ALARM CIRCUITS SHALL BE MAINTAINED DURING RENOVATION WORK. PROVIDE ALL WIRING, CONDUIT AND HARDWARE REQUIRED TO MAINTAIN CONTINUITY OF FIRE ALARM SYSTEM EQUIPMENT AND DEVICES REMAINING ON EXISTING CIRCUITS OUTSIDE THE WORK AREA, PRIOR TO BEGINNING WORK, SCHEDULE FIRE ALARM SYSTEM OUTAGES WITH VA COTR AND LOCAL FIRE AUTHORITIES.

EQUIPMENT SPECIFIED FOR THIS PROJECT IS 'EST'. COMPONENTS PROVIDED FOR THIS CONTRACT MUST BE COMPATIBLE WITH EXISTING 'EST' FIRE ALARM SYSTEM. COORDINATE WORK WITH VA COTR.

PROVIDE ALL COMPONENTS AND WIRING, FOR FIRE ALARM SYSTEM, NECESSARY TO PROVIDE A PROPERLY FUNCTIONING SYSTEM WHETHER OR NOT LISTED ON DRAWINGS OR IN SPECIFICATIONS.

DEFINITIONS

RECONNECT EXISTING CIRCUITRY = MODIFY AND EXTEND EXISTING WIRING AND CONDUITS AS REQUIRED TO RECONNECT CIRCUITRY TO ELECTRICAL DEVICE. PROVIDE NECESSARY JUNCTION BOXES, EXTENSION BOXES, SPLICES, RACEWAYS, WIRING, CONNECTORS, ETC. AS REQUIRED.

RECONNECT EXISTING HOMERUN =

CIRCUITRY = UNLESS NOTED OTHERWISE, CIRCUITRY INCLUDES, BUT IS NOT LIMITED TO, WIRING, OUTLETS BOXES, JUNCTION BOXES, RELAYS, WIREMOLD, SURFACE MOUNTED RACEWAY, CONDUITS, CONTROL DEVICES, ETC.

DRAWING E-001 NOTE

UNLESS NOTED OTHERWISE, ALL NOTES, DEFINITIONS, ETC., SHOWN ON THIS DRAWING APPLY TO ALL 'E' DRAWINGS.

GENERAL ELECTRICAL RENOVATION NOTES (FOR THIS DRAWING ONLY):

A. COORDINATE WITH HEATING DRAWINGS AND ROUTE RACEWAYS WITH MECHANICAL SYSTEMS PIPING TO FEED NEW MECHANICAL EQUIPMENT BACK TO PANELBOARD 'DP-1' IN BASEMENT.

B. REFER TO SPECIFICATIONS FOR EXPOSED CONDUIT PAINTING REQUIREMENTS.

C. REFER TO PARTIAL ONE-LINE POWER DIAGRAM AND PANELBOARD SCHEDULE FOR ADDITIONAL INFORMATION REGARDING PANELBOARD 'DP-1'.

D. TO MAINTAIN DRAWING CLARITY, FEEDERS AND CONDUITS FOR PANELBOARD 'DP-1' HAVE NOT BEEN SHOWN. REFER TO PARTIAL ONE-LINE POWER DIAGRAM FOR FEEDERS AND CONDUITS REQUIRED, AND ADDITIONAL INFORMATION.

ELECTRICAL ABBREVIATIONS		
A - AMPERAGE	EX. - EXISTING	NIC - NOT IN CONTRACT
A/C - AIR CONDITIONING	EXT - EXTERIOR	N.L. - NIGHT LIGHT
AC - ABOVE COUNTER (COORDINATE WITH OWNER)	FA - FIRE ALARM	NTS - NOT TO SCALE
ACU - AIR CONDITIONING UNIT	F.A.C.P - FIRE ALARM CONTROL PANEL	OC - ON CENTER
A.F.F. - ABOVE FINISHED FLOOR	FL - FLOOR	O/H - OVERHEAD
A.F.G. - ABOVE FINISHED GRADE	FLA - FULL LOAD AMPS	P - POLE
AHU - AIR HANDLING UNIT	FLUOR - FLUORESCENT	PA - PUBLIC ADDRESS
A/V - AUDIO/VISUAL	G - GROUND	PB - PUSH BUTTON
AWG - AMERICAN WIRE GAUGE	GC - GENERAL CONTRACT(OR)	PNL - PANEL
AU - AT UNIT	GFCI - GROUND FAULT CIRCUIT INTERRUPTOR	PRI - PRIMARY
BKR - BREAKER	GRS - GALVANIZED RIGID STEEL	PVC - POLYVINYL CHLORIDE
BMCS - BUILDING MANAGEMENT CONTROL SYSTEM	HID - HIGH INTENSITY DISCHARGE	SEC - SECONDARY
C - CONDUIT	HOA - HAND-OFF-AUTO SELECTOR SWITCH	SF - SUPPLY FAN
CB - CIRCUIT BREAKER	HP - HORSEPOWER	SMR - SURFACE METAL RACEWAY
CCTV - CLOSED CIRCUIT TELEVISION	HPS - HIGH PRESSURE SODIUM	SURF - SURFACE
CKT - CIRCUIT	HR - HOME RUN	SW - SWITCH
CLG - CEILING	HV - HEATING & VENTILATING UNIT	TEL - TELEPHONE
C.S.C. - CEILING SURFACE MOUNTED CONDUIT	HVAC - HEATING, VENTILATING & AIR CONDITIONING	TV - TELEVISION
CU - COPPER	INCAN - INCANDESCENT	TYP - TYPICAL
CUH - CABINET UNIT HEATER	JB - JUNCTION BOX	U/G - UNDERGROUND
DEMO - DEMOLISH/DEMOLITION	KV - KILOVOLTS	UH - UNIT HEATER
DTL - DETAIL	KVA - KILOVOLT AMPS	UNO - UNLESS NOTED OTHERWISE
DWG - DRAWING	KW - KILOWATTS	V - VOLT
DWH - DOMESTIC WATER HEATER	LGT - LIGHTING	VAC - VOLTS, ALTERNATING CURRENT
EA - EACH	MCA - MINIMUM CIRCUIT AMPS	VDC - VOLTS, DIRECT CURRENT
EC - ELECTRIC CONTRACT(OR)	MCB - MAIN CIRCUIT BREAKER	WP - WATERPROOF
E.B. - EMERGENCY BALLAST	MDP - MAIN DISTRIBUTION PANEL	XFMR - TRANSFORMER
EF - EXHAUST FAN	MFS - MINIMUM FUSE SIZE	
EM - EMERGENCY	MH - METAL HALIDE	
EMT - ELECTRO METALLIC TUBING	NF - NON-FUSED	
EMOH - ELECTRICALLY OPERATED, MECH. HELD		
EW - ELECTRIC WATER COOLER		

NOTE: NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THESE DRAWINGS.

ELECTRICAL AND COMMUNICATIONS SYMBOLS	
	FA WALL MOUNTED FLUORESCENT LIGHT FIXTURE FA = FIXTURE TYPE REFER TO LIGHT FIXTURE SCHEDULE
	FD FLUORESCENT LIGHT FIXTURE FD = FIXTURE TYPE REFER TO LIGHT FIXTURE SCHEDULE
	FE 2X4 FLUORESCENT LIGHT FIXTURE FE = FIXTURE TYPE REFER TO LIGHT FIXTURE SCHEDULE
	S LIGHT SWITCH MOUNT @ 3'-6" A.F.F., UNO
	W1 WALL MOUNTED OCCUPANCY SENSOR W1 = OCCUPANCY SENSOR TYPE REFER TO LIGHT FIXTURE SCHEDULE
	C1 CEILING MOUNTED OCCUPANCY SENSOR C1 = OCCUPANCY SENSOR TYPE REFER TO LIGHT FIXTURE SCHEDULE
	FM DATA OUTLET: PROVIDE 1 VOICE (TOP) AND 2 DATA (BOTTOM) IN A 3 PORT FACE PLATE. MOUNT @ 18" A.F.F., UNO. RECESSED FLOOR MOUNTED WITH ACCESSIBLE ENCLOSURE. ENCLOSURE COVER SURFACE TO MATCH SURROUNDING FLOOR FINISH. ENCLOSURE COVER TO BE FLUSH WITH FINISHED FLOOR.

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