

STATE MEDICAL EXAMINER'S
GENERATOR UPGRADE
UNIVERSITY OF UTAH CAMPUS
48 NORTH MEDICAL DRIVE
CONSTRUCTION DOCUMENT SET
SEPTEMBER 8, 2008
DFCM PROJECT # 08081390



DESIGN TEAM

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ELECTRICAL SHEET INDEX

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WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
\$	SINGLE-POLE TOGGLE SWITCH	+48"	
\$°	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
\$2	DOUBLE-POLE TOGGLE SWITCH	+48"	
\$3	THREE-WAY TOGGLE SWITCH	+48"	
\$4	FOUR-WAY TOGGLE SWITCH	+48"	
\$K	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
\$P	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
\$DIM	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
\$TIM	TIMER SWITCH	+48"	
\$S	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INBOARD LAMPS.
\$LV	LOW VOLTAGE MOMENTARY CONTACT SWITCH	+48"	
\$3PM	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
\$3PN	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
OCW	OCCUPANCY SENSOR	AS NOTED	CEILING MOUNTED WITH SUBSCRIPT 'C'; WALL-MOUNTED WITH SUBSCRIPT 'W'
⊖	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
⊖	SIMPLEX RECEPTACLE	+18"	
⊖	DUPLEX RECEPTACLE	+18"	
⊖	FOURPLEX RECEPTACLE	+18"	
⊖	125/250V RECEPTACLE	+18"	RANGE -- NEMA I4-50R DRYER -- NEMA I4-30R
⊖	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
⊖	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
⊖	EMERGENCY DUPLEX RECEPTACLE	+18"	
⊖	EMERGENCY FOURPLEX RECEPTACLE	+18"	
⊖	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
⊖	POWER / TELEPHONE POLE	FLOOR/CEILING	
⊖	CORD DROP WITH DUPLEX RECEPTACLE	+18"	REFER TO DETAIL
⊖	SPECIAL PURPOSE OUTLET (5-20R)	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

GEAR AND CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
\$T	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
⊖	ELECTRIC MOTOR		
⊖	NON-FUSED DISCONNECT SWITCH	+60"	
⊖	FUSED DISCONNECT SWITCH	+60"	
⊖	CIRCUIT BREAKER AND ENCLOSURE	+60"	
⊖	MAGNETIC STARTER	+60"	
⊖	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	+60"	
⊖	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	+60"	
⊖	COMB. MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	+60"	
VFD	COMB. VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR HALL AS SPECIFIED	TOP AT +12" IF WALL MOUNTED
RVV	REDUCED VOLTAGE STARTER	FLOOR OR HALL AS SPECIFIED	TOP AT +12" IF WALL MOUNTED
—	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +12"	14"W X 3"D
—	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +12"	14"W X 3"D
—	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +12"	20"W X 6"D
—	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +12"	20"W X 6"D
⊖	POWER DISTRIBUTION PANELBOARD	WALL	THESE SYMBOLS ARE GENERAL IN NATURE AND THAT VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD OR SWITCHBOARD" NAME IS INDICATED IN SEHI-QUOTES (I.E. 'L2A', 'MDP')
⊖	SWITCHBOARD	FLOOR	
⊖	METER BASE	TOP AT +12"	
⊖	OPEN - STOP - CLOSE SWITCH	+60"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
⊖	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 5000 UNO.
⊖	HAND - OFF - AUTO SWITCH	+60"	
⊖	GROUND FAULT PROTECTION		

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES

MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.

WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.

WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASENO

SYMBOL	DESCRIPTION	REMARKS
	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER; BOTTOM LETTER NUMBER INDICATES WHERE SECTION IS SHOWN.
	ARCHITECTURAL ROOM NUMBER	
	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	BREAKLINE	USED TO BREAK DRAWINGS.

BRANCH CIRCUITING SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	1 CIRCUIT, 2 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.
	2 CIRCUIT, 3 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	SHORT CROSS LINES: NUMBER OF SHORT CROSS LINES INDICATES NUMBER OF PHASE, TRAVELER, AND/OR SWITCHED CONDUCTORS REQUIRED IF GREATER THAN 1 (ONE).
	3 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	LONG CROSS LINES: NUMBER OF LONG CROSS LINES INDICATES NUMBER OF NEUTRAL CONDUCTORS REQUIRED FOR MULTI-WIRE HOME RUNS.
	MULTIPLE WIRE BRANCH CIRCUITING BETWEEN FIXTURES, SWITCHES, DEVICES, ETC.	EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS, EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN, BUT ARE REQUIRED AS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
	BRANCH CIRCUITING (UNO) TURNED UP OR TOWARDS OBSERVER.	
	BRANCH CIRCUITING (UNO) TURNED DOWN OR AWAY FROM OBSERVER.	
	BRANCH CIRCUITING (UNO) CONTINUATION	
	CONDUIT STUB-IN	CAP AND MARK
	INCOMING SERVICE	
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE

PROPOSED CONSTRUCTION PHASING:

- REMOVE THE EXISTING 315 KVA TRANSFORMER FROM EXISTING PANEL '4IA' AND MOVE TRANSFORMER TO NEW LOCATION AND RECONNECT TRANSFORMER TO PANEL '4IA'.
- CONTRACTOR TO INSTALL NEW GENERATOR, DISTRIBUTION PANEL 'DPH', 'ATS2', BRANCH PANELS 'EH', 'EL' AND 15 KVA TRANSFORMER.
- PROVIDE CONDUIT ONLY FROM NEW GENERATOR TO 'ATS1' AND 'ATS2', FROM 'ATS2' TO 'DPH', FROM 'DPH' TO EXISTING 150 KVA TRANSFORMER FEEDING 'DPL'. FROM 'DPH' TO EXISTING LOADS BEING FEED FROM 'MDP'. FROM 'ATS1' TO NEW PANEL 'EH'.
- CLOSE MAIN BREAKER IN 'MDP'. INSTALL NEW 600 AMP BREAKER. PROVIDE CONDUCTORS FROM 'MDP' TO 'ATS2', FROM 'ATS2' TO 'DPH', FROM 'DPH' TO 150 KVA TRANSFORMER FEEDING 'DPL'. FROM NEW GENERATOR TO 'ATS2' AND 'ATS1'. FROM 'ATS1' TO 'EH'. RE-ENERGIZE 'MDP'.
- INSTALL FEEDERS FROM 'EH' TO NEW 15 KVA TRANSFORMER, FROM 15 KVA TRANSFORMER TO 'EL'.
- MOVE CIRCUITS FROM 'HE' AND 'LE' TO 'EH' AND 'EL'.
- CLOSE MAIN BREAKER IN 'MDP' AND MOVE CONDUCTORS FEEDING EXISTING PANELS BEING FEED FROM 'MDP' TO 'DPH'.

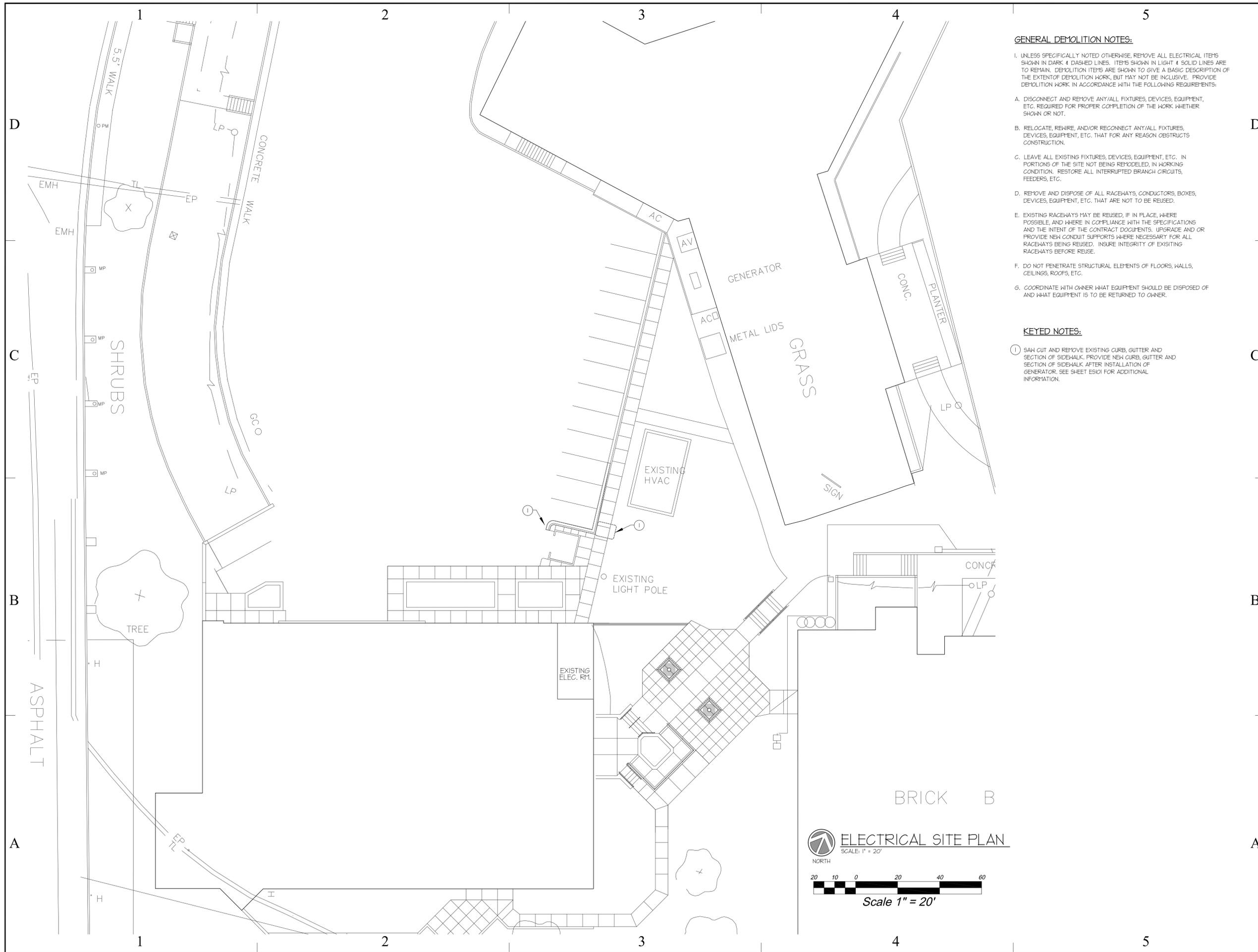
NOTE: SEQUENCE OF EVENTS ARE INTENDED TO KEEP POWER OUTAGES TO A MINIMUM. ELECTRICAL CONTRACTOR MAY THROUGH ON-SITE INSPECTION DETERMINE THAT MORE OUTAGES MAY BE REQUIRED. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL REQUIRED OUTAGES FOR THE INSTALLING OR THE CONNECTING OF ANY ELECTRICAL EQUIPMENT WITH THE OWNER AND PROVIDE 12 HRS NOTICE TO THE OWNER PRIOR TO ANY REQUIRED ELECTRICAL OUTAGES.

ELECTRICAL CONTRACTOR MAY RE-USE ANY EXISTING CONDUIT IN THE INSTALLATION OF NEW ELECTRICAL EQUIPMENT BUT MAY NOT SPLICE ANY CONDUCTORS. SPLICES WILL NOT BE ALLOWED. IF EXISTING CONDUCTORS IN THE EVENT OF RE-FEEDINGS ARE NOT OF THE REQUIRED LENGTH THAN NEW CONDUCTORS MUST BE SUPPLIED.

ABBREVIATION SCHEDULE			
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.			
A	ABOVE COUNTER	ISO	ISOLATED
ADJ	ADJACENT	KVA	KILO VOLT AMPERES
AFF	ABOVE FINISHED FLOOR	KW	KILOWATTS
AHJ	AUTHORITY HAVING JURISDICTION	LFTC	LIQUID-TIGHT METAL CONDUIT
AL	ALUMINUM	LFTNC	LIQUID-TIGHT NON-METAL CONDUIT
C	CONDUIT	MCA	MINIMUM CIRCUIT AMPS
CB	CIRCUIT BREAKER	MLO	MAIN LUGS ONLY
CKT	CIRCUIT	N.C.	NORMALLY CLOSED
C.O.S	CONVENIENCE OUTLETS	N.I.C.	NOT IN CONTRACT
CU	COPPER	NL	NIGHT LIGHT
EA	EACH	N.O.	NORMALLY OPEN
ELEC	ELECTRICAL	O.C.	ON CENTER(S)
EH	EMERGENCY	OCPP	OVER CURRENT PROTECTION
EHT	ELECTRIC METALLIC TUBING	QTY	QUANTITY
ENT	ELECTRIC NON-METALLIC TUBING	R	REQUIREMENTS
EQUIP	EQUIPMENT	REQ.	REQUIRED
EWC	ELECTRIC WATER COOLER	RHC	RIGID METAL CONDUIT
E, EX	EXISTING	RNC	RIGID NON-METALLIC CONDUIT
EXP	EXPLOSION PROOF	RR	REMOVE AND RELOCATE
FA	FIRE ALARM	SS	SURGE SUPPRESSION
FACP	FIRE ALARM CONTROL PANEL	SCP	SECURITY CONTROL PANEL
FLA	FULL LOAD AMPS	TR	TAMPER RESISTANT
FHC	FLEXIBLE METAL CONDUIT	TYP	TYPICAL
FOB	FREIGHT ON BOARD	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
GND	GROUND CONDUCTOR	UF	UNDER FLOOR
HOA	HAND-OFF-AUTO	UG	UNDERGROUND
HP	HORSE POWER	UNO.	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	W	WITH
IMC	INTERMEDIATE METAL CONDUIT	WP	WEATHER PROOF
INS	INSULATED	XFR	TRANSFER

GENERAL PROJECT NOTES:

- DIVISION 16000 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REPEATEDLY THESE DEFICIENCIES. THERE WILL BE NO EXCEPTIONS.
- THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING, AT THEIR DISCRETION WITH THE ELECTRICAL ENGINEER AND REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
- THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS DO NOT REPRESENT ALL ITEMS AND THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS:
 - INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.
 - A #0 ANG NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL FLUORESCENT LIGHTING CIRCUITS.
 - THE CONTRACTOR IS RESPONSIBLE FOR UPSIZING CONDUCTORS FOR VOLTAGE DROP PER THE NEC REGARDLESS OF WHETHER IT IS SHOWN ON THE PLANS OR NOT.
 - THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL AND NATIONAL CODE.
- THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED A SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT THE APPROVAL FROM THE ELECTRICAL ENGINEER.
- THE CONTRACTOR SHALL INSTALL PROPER WIRE SIZE AS CALLED OUT ON THE PANELBOARD SCHEDULES. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS LARGE ENOUGH FOR VOLTAGE DROP.
- THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
- THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO EXTRA PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.
- THE CONTRACTOR SHALL MAKE SURE THAT ALL BRANCH CIRCUITS THAT ARE AFFECTED BY THIS PROJECT ARE NOT OVERLOADED. PROVIDE ADDITIONAL BRANCH CIRCUITS FROM ELECTRICAL PANELS AS NECESSARY TO COMPLY WITH THE BRANCH CIRCUIT LOADING REQUIREMENTS. PROVIDE ALL MATERIAL AND LABOR AS NECESSARY FOR A COMPLETE AND OPERATING SYSTEM.
- PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE(S) TO REFLECT ALL THE CHANGES MADE INCLUDING EXISTING LOADS. THE EXISTING LOADS SHALL BE NAMED THE SAME AS LISTED ON THE EXISTING PANELBOARD SCHEDULE.



- GENERAL DEMOLITION NOTES:**
- I. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. ITEMS SHOWN IN LIGHT & SOLID LINES ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - B. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE SITE NOT BEING REHODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
 - E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. INSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - F. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILING, ROOFS, ETC.
 - G. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
- KEYED NOTES:**
- ① SAW CUT AND REMOVE EXISTING CURB, GUTTER AND SECTION OF SIDEWALK. PROVIDE NEW CURB, GUTTER AND SECTION OF SIDEWALK AFTER INSTALLATION OF GENERATOR. SEE SHEET ESI01 FOR ADDITIONAL INFORMATION.



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BUILDING NAME:

**STATE MEDICAL
EXAMINER'S OFFICE**

PROJECT TITLE:

**STATE MEDICAL
EXAMINER'S OFFICE -
GENERATOR UPGRADE**



MARK	DATE	DESCRIPTION
ISSUE TYPE: -		

ISSUE DATE: - 6-26-08

DFCM PROJECT NO: 08081390
CAD PROJECT NO:
CAD DWG FILE: 2008-092.00
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SHEET TITLE

SITE PLAN

SHEET NUMBER

EDS101

SHEET 3 OF 10

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SHEET TITLE

FIRST FLOOR
DEMOLITION PLAN

SHEET NUMBER

ED101

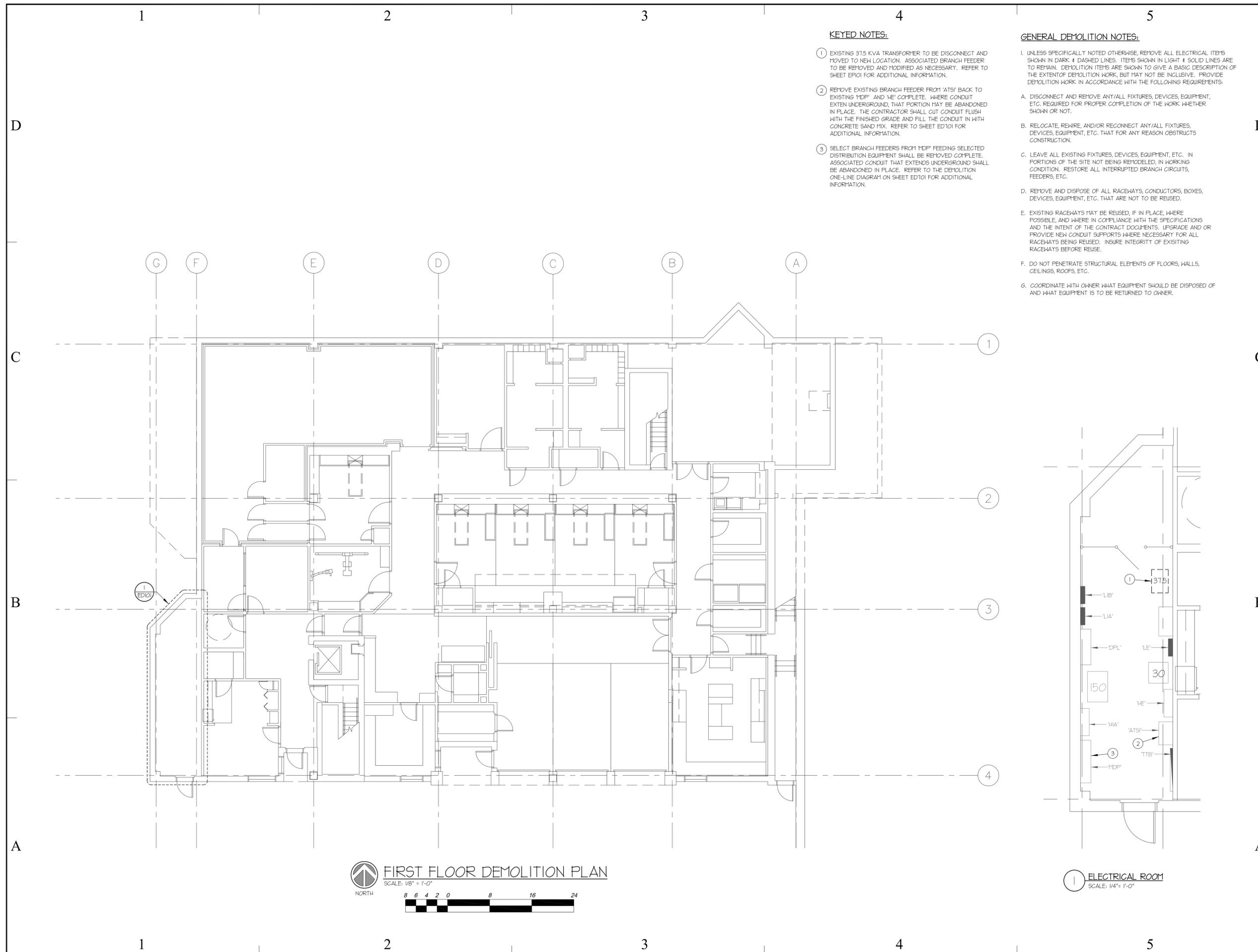
SHEET 4 OF 10

KEYED NOTES:

- 1 EXISTING 315 KVA TRANSFORMER TO BE DISCONNECT AND MOVED TO NEW LOCATION. ASSOCIATED BRANCH FEEDER TO BE REMOVED AND MODIFIED AS NECESSARY. REFER TO SHEET ED101 FOR ADDITIONAL INFORMATION.
- 2 REMOVE EXISTING BRANCH FEEDER FROM 'ATS1' BACK TO EXISTING 'MDP' AND 'HE' COMPLETE. WHERE CONDUIT EXTEND UNDERGROUND, THAT PORTION MAY BE ABANDONED IN PLACE. THE CONTRACTOR SHALL CUT CONDUIT FLUSH WITH THE FINISHED GRADE AND FILL THE CONDUIT IN WITH CONCRETE SAND MIX. REFER TO SHEET ED101 FOR ADDITIONAL INFORMATION.
- 3 SELECT BRANCH FEEDERS FROM 'MDP' FEEDING SELECTED DISTRIBUTION EQUIPMENT SHALL BE REMOVED COMPLETE. ASSOCIATED CONDUIT THAT EXTENDS UNDERGROUND SHALL BE ABANDONED IN PLACE. REFER TO THE DEMOLITION ONE-LINE DIAGRAM ON SHEET ED101 FOR ADDITIONAL INFORMATION.

GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. ITEMS SHOWN IN LIGHT & SOLID LINES ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - B. RELOCATE, REHIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE SITE NOT BEING REDEVELOPED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
 - E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. INSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - F. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - G. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.



FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"
NORTH

ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"

CREATED BY: DFCM



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SHEET TITLE		
SECOND FLOOR DEMOLITION PLAN		
SHEET NUMBER		
ED201		
SHEET 5 OF 10		

GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. ITEMS SHOWN IN LIGHT & SOLID LINES ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

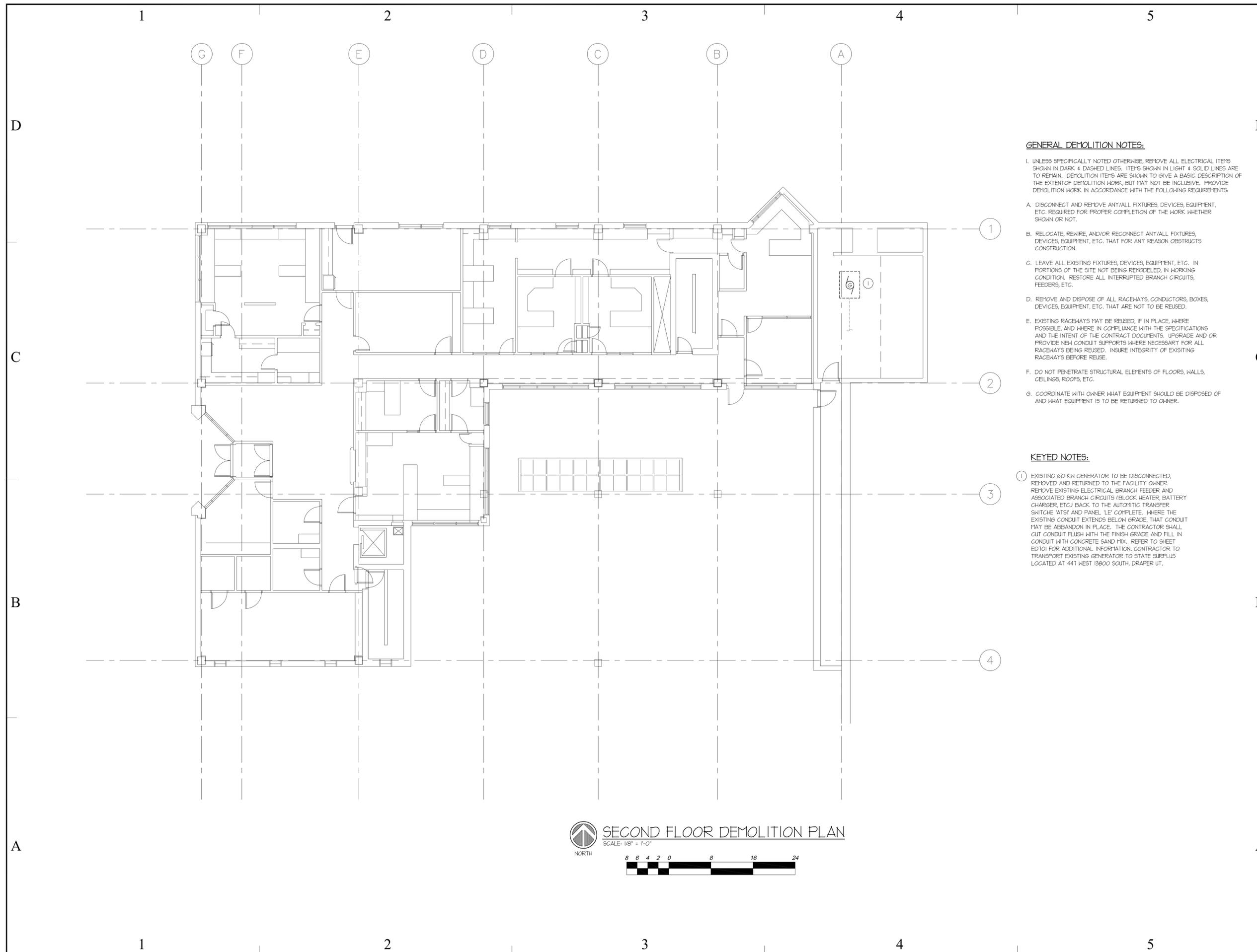
- A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
- B. RELOCATE, REPAIR, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
- C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE SITE NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
- D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
- E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. INSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
- F. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
- G. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.

KEYED NOTES:

- ① EXISTING 60 KW GENERATOR TO BE DISCONNECTED, REMOVED AND RETURNED TO THE FACILITY OWNER. REMOVE EXISTING ELECTRICAL BRANCH FEEDER AND ASSOCIATED BRANCH CIRCUITS (BLOCK HEATER, BATTERY CHARGER, ETC.) BACK TO THE AUTOMATIC TRANSFER SWITCH 'ATS' AND PANEL 'LE' COMPLETE. WHERE THE EXISTING CONDUIT EXTENDS BELOW GRADE, THAT CONDUIT MAY BE ABANDON IN PLACE. THE CONTRACTOR SHALL CUT CONDUIT FLUSH WITH THE FINISH GRADE AND FILL IN CONDUIT WITH CONCRETE SAND MIX. REFER TO SHEET ED101 FOR ADDITIONAL INFORMATION. CONTRACTOR TO TRANSPORT EXISTING GENERATOR TO STATE SURPLUS LOCATED AT 441 WEST 13800 SOUTH, DRAPER UT.

SECOND FLOOR DEMOLITION PLAN

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





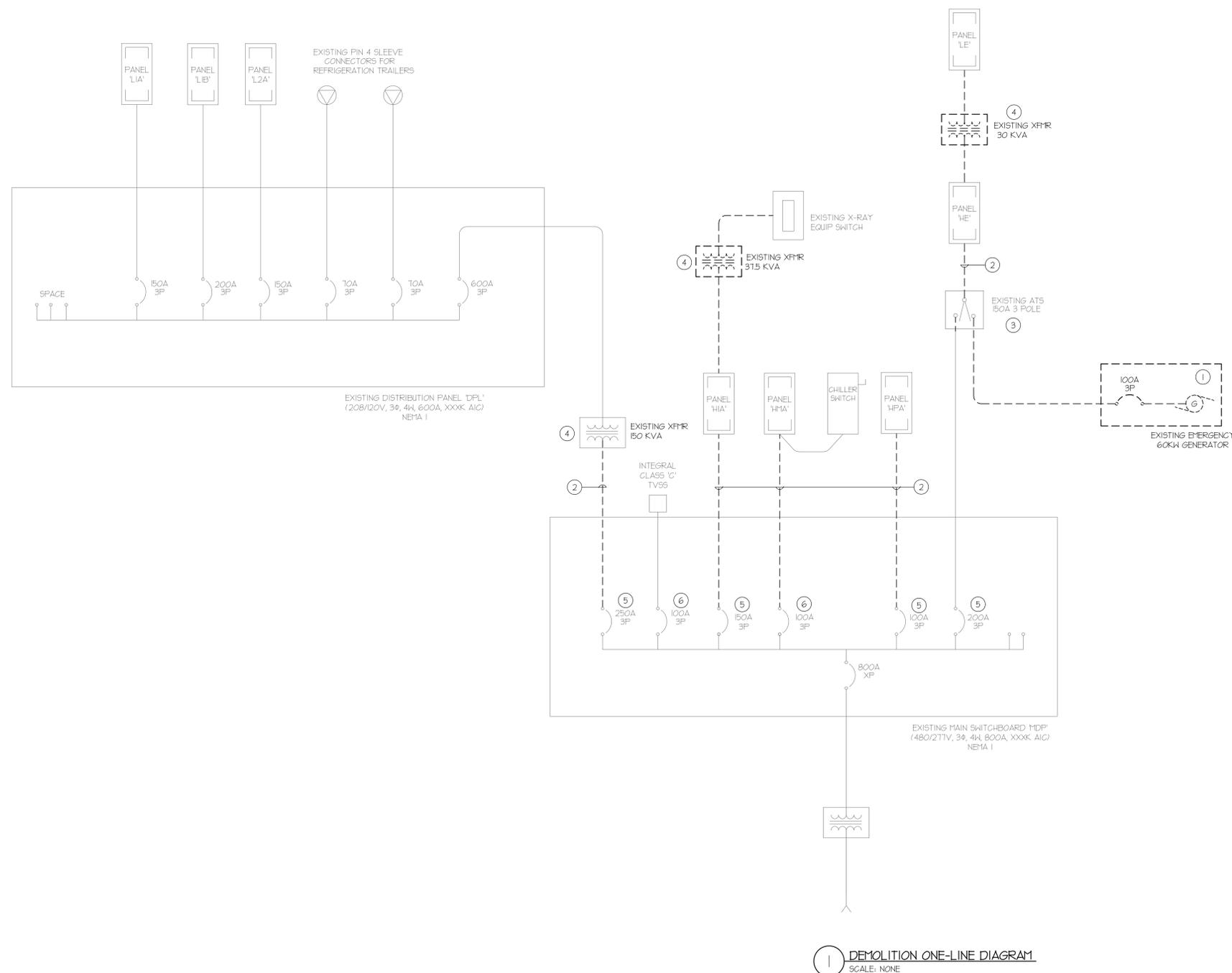
MARK	DATE	DESCRIPTION
ISSUE TYPE: -		
ISSUE DATE: - 6-26-08		
DFCM PROJECT NO: 08081390		
CAD PROJECT NO:		
CAD DWG FILE: 2008-092.00		
DRAWN BY: - ALH		
CHK'D BY: - DW		
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SHEET TITLE		
ONE-LINE DIAGRAM		
SHEET NUMBER		
ED701		
SHEET 6 OF 10		

GENERAL NOTES:

- ALL EXISTING BRANCH PANELS BEING FED FROM EXISTING 'MDP' AND 'DPL' SHALL BE PROTECTED DURING DEMOLITION FOR RE-USE.
- ANY CONDUIT THAT IS BELOW GRADE AND IS NOT BEING REUSED SHALL BE ABANDONED IN PLACE. THE CONTRACTOR SHALL CUT CONDUIT OFF FLUSH WITH THE FINISH GRADE AND FILL IN CONDUIT WITH A CONCRETE SAND MIX. ALL WIRES SHALL BE REMOVED COMPLETE.
- ITEMS THAT ARE SHOWN WITH DARK AND DASHED LINES REPRESENT ITEMS THAT ARE TO BE REMOVED.
- ITEMS THAT ARE SHOWN WITH LIGHT AND SOLID LINES ARE ITEMS THAT ARE TO REMAIN IN PLACE AND PROTECTED FROM DAMAGE DURING CONSTRUCTION.

DEMOLITION KEYED NOTES:

- EXISTING 60KW EMERGENCY GENERATOR TO BE REMOVED AND RETURNED TO OWNER. REMOVE ALL ASSOCIATED BRANCH FEEDERS AND BRANCH CIRCUITS BACK TO THE SOURCE COMPLETE. CONTRACTOR TO TRANSPORT EXISTING GENERATOR TO STATE SURPLUS LOCATED AT 441 WEST 13800 SOUTH, DRAFER UT.
- EXISTING BRANCH FEEDER TO BE REMOVED AND RE-FED FROM NEW ELECTRICAL DISTRIBUTION PANEL 'DPL'. REFER TO THE ONE-LINE DIAGRAM ON SHEET EP701 FOR ADDITIONAL INFORMATION.
- EXISTING TRANSFER SWITCH TO REMAIN IN PLACE TO FEED NEW LIFE SAFETY BRANCH. PROTECT FROM DAMAGE DURING CONSTRUCTION. REFER TO THE ONE-LINE DIAGRAM ON SHEET EP701 FOR ADDITIONAL INFORMATION.
- EXISTING TRANSFORMER TO BE REMOVED AND RELOCATED. ASSOCIATED BRANCH FEEDERS SHALL BE REMOVED AND RE-ROUTED TO NEW TRANSFORMER LOCATION. REFER TO SHEET EP102 FOR NEW TRANSFORMER LOCATION.
- REMOVE EXISTING BREAKERS FROM PANEL.
- KEEP EXISTING 100A BREAKER FOR RE-USE. REFER TO SHEET EP701 FOR ADDITIONAL INFORMATION.



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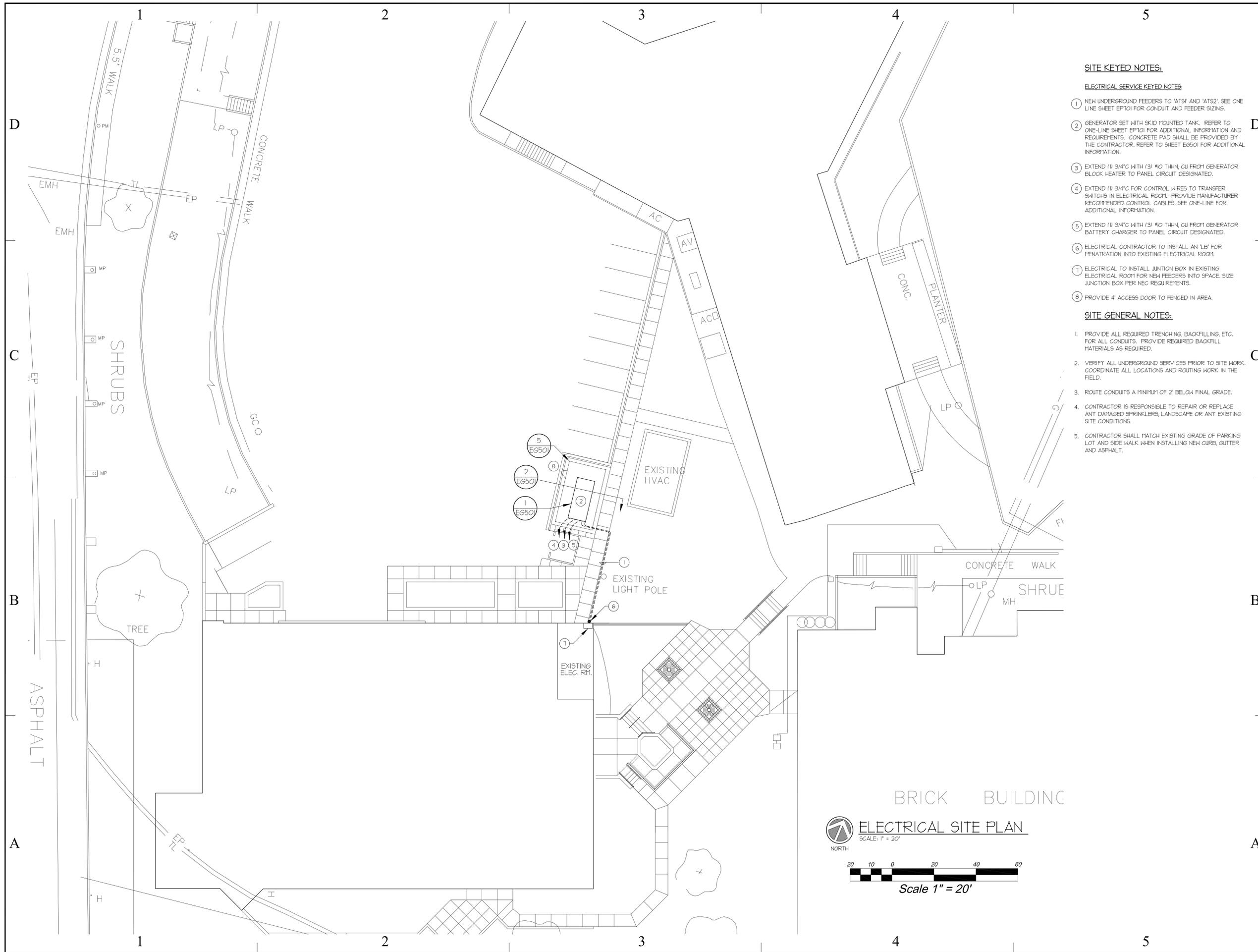
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SITE KEYED NOTES:

ELECTRICAL SERVICE KEYED NOTES:

- ① NEW UNDERGROUND FEEDERS TO 'ATS1' AND 'ATS2'. SEE ONE LINE SHEET EP101 FOR CONDUIT AND FEEDER SIZING.
- ② GENERATOR SET WITH 9KID MOUNTED TANK. REFER TO ONE-LINE SHEET EP101 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. CONCRETE PAD SHALL BE PROVIDED BY THE CONTRACTOR. REFER TO SHEET EG501 FOR ADDITIONAL INFORMATION.
- ③ EXTEND (1) 3/4" WITH (3) #10 THIN, CU FROM GENERATOR BLOCK HEATER TO PANEL CIRCUIT DESIGNATED.
- ④ EXTEND (1) 3/4" FOR CONTROL WIRES TO TRANSFER SWITCHES IN ELECTRICAL ROOM. PROVIDE MANUFACTURER RECOMMENDED CONTROL CABLES. SEE ONE-LINE FOR ADDITIONAL INFORMATION.
- ⑤ EXTEND (1) 3/4" WITH (3) #10 THIN, CU FROM GENERATOR BATTERY CHARGER TO PANEL CIRCUIT DESIGNATED.
- ⑥ ELECTRICAL CONTRACTOR TO INSTALL AN 1L' FOR PENETRATION INTO EXISTING ELECTRICAL ROOM.
- ⑦ ELECTRICAL TO INSTALL JUNCTION BOX IN EXISTING ELECTRICAL ROOM FOR NEW FEEDERS INTO SPACE. SIZE JUNCTION BOX PER NEC REQUIREMENTS.
- ⑧ PROVIDE 4' ACCESS DOOR TO FENCED IN AREA.

SITE GENERAL NOTES:

1. PROVIDE ALL REQUIRED TRENCHING, BACKFILLING, ETC. FOR ALL CONDUITS. PROVIDE REQUIRED BACKFILL MATERIALS AS REQUIRED.
2. VERIFY ALL UNDERGROUND SERVICES PRIOR TO SITE WORK. COORDINATE ALL LOCATIONS AND ROUTING WORK IN THE FIELD.
3. ROUTE CONDUITS A MINIMUM OF 2' BELOW FINAL GRADE.
4. CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE ANY DAMAGED SPRINKLERS, LANDSCAPE OR ANY EXISTING SITE CONDITIONS.
5. CONTRACTOR SHALL MATCH EXISTING GRADE OF PARKING LOT AND SIDE WALK WHEN INSTALLING NEW CURB, GUTTER AND ASPHALT.



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SITE PLAN

SHEET NUMBER

ES101

SHEET 7 OF 10

