

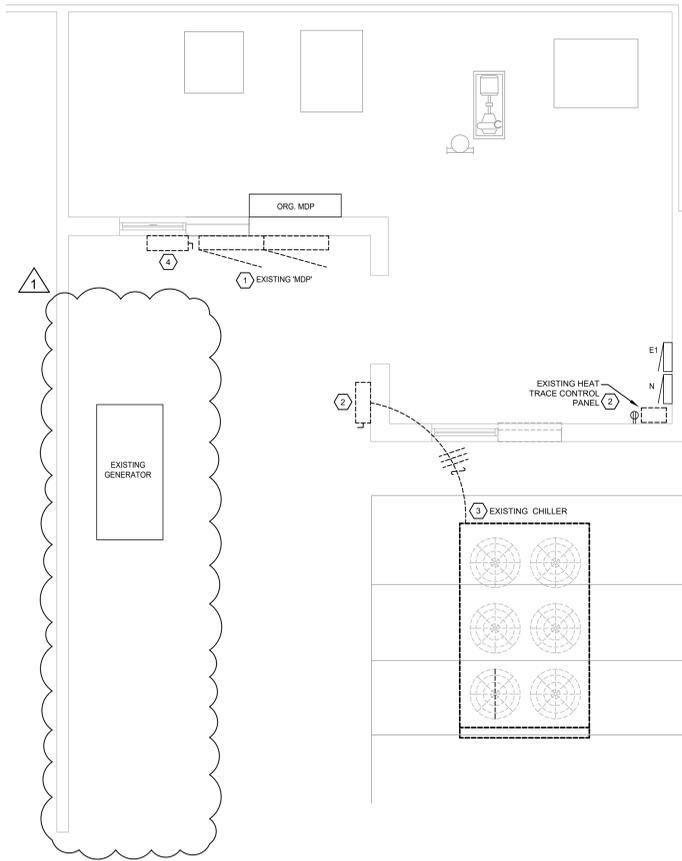
PANELBOARD: NEW 'MSB'		VOLTAGE: 120/208V, 3Ø, 4W	COPPER BUS RATING: 1600A	MAIN: 1600A	TOTAL CONNECTED VA: EXISTING
LOCATION: EXTERIOR	MFG AND TYPE: NEMA 3R	SQUARE-D QED	EQUIP. GRD. BUS: YES	ISOL. GRD. BUS: NO	TOTAL A Ø: EXISTING
MOUNTING: SURFACE	ENCLOSURE: NEMA 3R	MINIMUM A.I.C. RATING: 35k	FED FROM: SERVICE DISCONNECT		TOTAL B Ø: EXISTING
					TOTAL C Ø: EXISTING
CIRCUIT NUMBER	LOAD NAME	BREAKER	A	B	C
1	AC-1 - EXISTING CIRCUIT/VERIFY FUSE SIZE	400AF/3P	-	-	-
2	AC-2 - EXISTING CIRCUIT/VERIFY FUSE SIZE	400AF/3P	-	-	-
3	E.G.M.D.P. - EXISTING CIRCUIT/VERIFY FUSE SIZE	400AF/3P	-	-	-
4	PANEL E1 - EXISTING CIRCUIT/VERIFY FUSE SIZE	100AF/3P	-	-	-
5	PANEL N - EXISTING CIRCUIT/VERIFY FUSE SIZE	100AF/3P	-	-	-
6	PANEL W - EXISTING CIRCUIT/VERIFY FUSE SIZE	400AF/3P	-	-	-
7	LAUNDRY - EXISTING CIRCUIT/VERIFY FUSE SIZE	200AF/3P	-	-	-
8	A WING UPPER - EXISTING CIRCUIT/VERIFY FUSE SIZE	100AF/3P	-	-	-
9	B WING LOWER - EXISTING CIRCUIT/VERIFY FUSE SIZE	100AF/3P	-	-	-
10	A WING LOWER - EXISTING CIRCUIT/VERIFY FUSE SIZE	100AF/3P	-	-	-
11	B WING UPPER - EXISTING CIRCUIT/VERIFY FUSE SIZE	100A/3P	-	-	-
12	NEW CHILLER	800A/3P	82,741	82,741	82,741
13	'SPD' - SURGE PROTECTION DEVICE	100A/3P			
14	225A SPACE WITH BUS				
15					
16					

NOTES:  
THE CONTRACTOR MUST VERIFY ALL FUSE SIZES PRIOR TO PURCHASING THE NEW PANEL. ONLY FRAME SIZES HAVE BEEN PROVIDED.

SYMBOL LEGEND	
	DUPLEX RECEPTACLE AT 18" A.F.F.
	BRANCH CIRCUIT HOMERUN HOT-NEUTRAL-GROUND PANEL AND CIRCUIT NUMBER INDICATED ON PLAN
	PANELBOARD
	DISCONNECT SWITCH

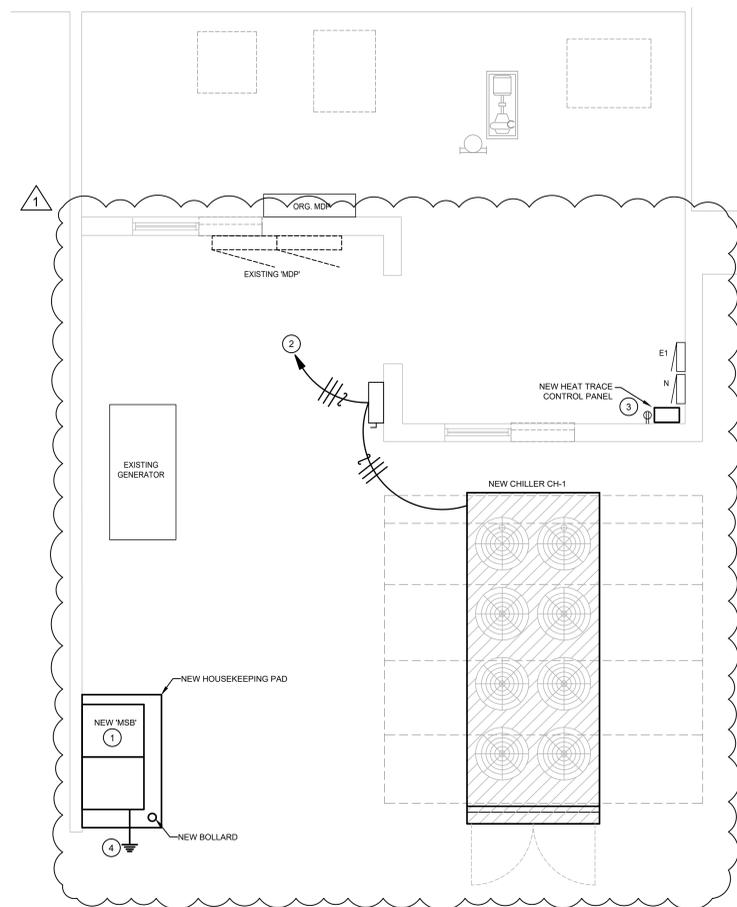
DEMOLITION NOTES	
1.	THE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO VISIT THE SITE TO FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO BID.
2.	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL DEMOLITION INDICATED ON THESE DRAWINGS. ALL WIRING DEVICES, LIGHT FIXTURES, WIRE, & CONDUIT THAT IS TO BE REMOVED SHALL BE STORED AS DIRECTED BY THE OWNER OR RELOCATED AS SHOWN ON THE NEW FLOOR PLAN. APPROPRIATE MEASURES SHALL BE TAKEN TO ASSURE CONTINUITY OF EXISTING CIRCUITS WHERE REQUIRED, AND ALL OUTAGES WHICH MAY RESULT SHALL BE COORDINATED WITH THE OWNER PRIOR TO THE WORK.
3.	CONTRACTOR SHALL VERIFY ELECTRICAL ON ALL EXISTING BRANCH CIRCUITS NOTED TO BE RE-USED.
4.	DASHED LINES INDICATED EXISTING EQUIPMENT, AND DEVICES, ETC., TO BE DEMOLISHED UNLESS OTHERWISE NOTED.
5.	HALFTONE LINES INDICATE EXISTING EQUIPMENT, AND DEVICES, ETC., TO REMAIN UNLESS OTHERWISE NOTED.
6.	FIELD VERIFY DEVICES AND EQUIPMENT. ALL DEVICES MAY NOT BE SHOWN.

GENERAL NOTES	
1.	ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
2.	CIRCUITS OF DIFFERENT PHASES MAY SHARE EQUIPMENT GROUNDING. EQUIPMENT GROUND CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
3.	ALL CONDUCTORS #12 AND SMALLER SHALL BE SOLID COPPER THIN THIN, AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER (SINGE BOLTED LUGS AT TERMINALS).
4.	MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
5.	PULL ALL THE CONDUCTORS THROUGH RACEWAY AT THE SAME TIME.
6.	MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED. SEE SPEC FOR CONDUIT REQUIREMENTS. ALL CONDUIT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
7.	6'-0" MAXIMUM LENGTH ON FLEXIBLE CONDUIT.
8.	USE COMPRESSION FITTINGS ON CONDUIT. SET SCREW FITTINGS ARE NOT ALLOWED.
9.	PROVIDE PULL STRING AND PROTECTIVE BUSHINGS IN ALL SPARE CONDUITS.
10.	LABEL ALL CIRCUITS ON PANEL SCHEDULES.
11.	TURN ALL UNUSED CIRCUIT BREAKERS TO OFF POSITION.
12.	FIRE PROOF ALL PENETRATIONS MADE THROUGH FIRE RATED WALLS.
13.	ALL DEVICES SHALL BE RATED 20 AMP MINIMUM. VERIFY COLOR WITH ARCHITECT.
14.	CONNECT DEVICES BY WRAPPING WIRE AROUND SCREW TERMINAL IN A CLOCKWISE DIRECTION AND TIGHTEN SCREW. BACK-CONNECTED SPRING DEVICES ARE NOT ALLOWED.
15.	ALL BOXES SHALL BE INDEPENDENTLY SUPPORTED TO THE BUILDING STRUCTURE.
16.	THE SPECIFICATIONS ARE AS SHOWN ON THE CONTRACTOR AS THE DRAWINGS. THE CONTRACTOR SHALL READ THE SPECIFICATIONS AND SHALL INCLUDE ALL ITEMS REQUIRED BY THE SPECIFICATIONS BEFORE SUBMITTING A BID.
17.	ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR EXACT LOCATION OF HVAC AND PLUMBING EQUIPMENT.
18.	ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTOR BEING INSTALLED.
19.	PROVIDE TAMPER RESISTANT DEVICES AS REQUIRED BY CODE.
20.	NEW CIRCUIT BREAKERS INSTALLED IN EXISTING PANELS SHALL MATCH EXISTING PANEL MANUFACTURER AND AIC RATING. UPDATE PANELBOARD CIRCUIT DIRECTORIES TO REFLECT CHANGES.



**DEMOLITION PLAN - ELECTRICAL**  
SCALE: 1/4" = 1'-0"

DEMOLITION KEYED NOTES	
1	EXISTING SERVICE TO BE REPLACED. MIGRATE EXISTING CIRCUITS TO NEW 'MSB'. EXTEND WIRE AND CONDUIT AS NEEDED. VERIFY ALL BREAKERS AND SIZES. SEE NEW PLANS AND SCHEDULES FOR MORE INFORMATION.
2	EXISTING HEAT TRACE TO BE REMOVED AND REPLACED. DISCONNECT ELECTRICAL TO EXISTING HEAT TRACE AND RE-CONNECT TO NEW HEAT TRACE.
3	DEMOLISH EXISTING CHILLER AND REMOVE ALL ASSOCIATED ELECTRICAL COMPONENTS IN THEIR ENTIRETY.
4	THE EXISTING KITCHEN PANEL DISCONNECT SHALL BE DEMOLISHED. THE CIRCUIT SHALL BE CONNECTED TO THE NEW 'MSB'. EXTEND WIRE AND CONDUIT AS NEEDED.



**NEW PLAN - ELECTRICAL**  
SCALE: 1/4" = 1'-0"

PROJECT NOTES	
1.	CONTRACTOR SHALL COORDINATE ALL POWER OUTAGES WITH ACC.
2.	EACH CIRCUIT FROM EXISTING MDP SHALL BE CONNECTED TO NEW 'MSB' ONE CIRCUIT AT A TIME TO MINIMIZE ANY POWER OUTAGES. THE CONTRACTOR SHALL PLAN FOR MAXIMUM OUTAGE FOR 3 HOURS PER CIRCUIT.
3.	FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID.

KEYED NOTES	
1	REPLACE THE EXISTING MDP WITH A NEW 1600A PANEL. VERIFY ALL OF THE EXISTING CIRCUITS AND FUSE SIZES. PROVIDE NEW BREAKERS FOR ALL OF THE EXISTING CIRCUITS. EXTEND THE WIRE AND CONDUIT AS NEEDED. PROVIDE NEW FEEDERS FROM THE NEW PANEL TO THE EXISTING TRANSFORMER. THE TRANSFORMER IS LOCATED APPROXIMATELY 120' FROM NEW 'MSB'. FIELD VERIFY. USE 4 SETS OF 60'S. PROVIDE HOUSEKEEPING PAD FOR NEW 'MSB'. AND 8" CONCRETE FILLED PIPE BOLLARD. EPOXY PAINTED. THE CONTRACTOR SHALL SAW CUT THE SIDEWALK, AND DRIVE TO THE TRANSFORMER. THE CONCRETE AND DRIVE SHALL BE PATCHED AND REPAIR TO MATCH EXISTING CONDITIONS. ALL CONCRETE SHALL BE PINNED TO THE EXISTING CONCRETE. THE ASPHALT SHALL BE COMPACTED TO ELIMINATE ANY DIPS. NEW TRENCH SHALL BE VACUUM EXCAVATED TO ENSURE NO EXISTING UTILITIES ARE DAMAGED. THE CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS WITH ENTERGY AND PAY ALL FEES. ENTERGY MAY NEED TO REPLACE THE EXISTING TRANSFORMER FOR THE ADDITIONAL LOAD.
2	PROVIDE AND INSTALL A NEW 800A BREAKER (SEE PANEL SCHEDULE) AND 2 SETS OF 3-500kcmil, 1-1/2" EG IN 3-1/2" C TO CONNECT THE NEW CHILLER. DISCONNECT WILL BE PROVIDED BY DIVISION 23HVAC.
3	PROVIDE AND INSTALL A NEW 30A/1P, NF, HD, NEMA 1 DISCONNECT FOR THE HEAT TRACING. CONNECT THE CIRCUIT TO A SPARE IN PANEL N. PROVIDE A NEW 20A BREAKER AS NEEDED. LABEL THE CIRCUIT IN THE PANEL.
4	SEE GROUNDING DETAIL.

