City of Aurora
Building Codes Division
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GENERAL NOTES

A. COORDINATE LOCATION OF ALL DISCONNECTS, CONTROL PANELS AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES IN FRONT OF EQUIPMENT.

B. ANY DEVIATIONS FROM SCHEDULED EQUIPMENT RESULTING IN ADDITIONAL COSTS DUE TO LACK OF COORDINATION WITH DIMENSIONS AND WEIGHTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTOR.

C. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO F/S DAMPERS, VAV BOXES, FCU'S, ETC WITH MECHANICAL DRAWINGS.

D. ALL EXTERIOR DISCONNECTS TO BE WEATHERPROOF IN A NEMA 3R ENCLOSURE.

E. ALL EXTERIOR RECEPTACLES SHALL BE GFCI/WEATHERPROOF.

LEGEND NOTES

1. JUNCTION BOX SHOWN FOR 120V EQUIPMENT POWER CONNECTION TO DDC CONTROL PANELS IN THIS AREA. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION/REQUIREMENTS.
2. JUNCTION BOX FOR 120V NORMAL POWER CONNECTION TO ALL MOTORIZED DAMPERS AND CONTROLS FOR THIS AIR HANDLING UNIT. COORDINATE CONNECTION AND LOCATION WITH MECHANICAL EQUIPMENT.
3. ELECTRICAL CONNECTION FOR 120V NORMAL POWER TO AHU LIGHTS. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL EQUIPMENT.
4. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN SUPPLY AIR DUCT OF AIR HANDLING UNIT. REFER TO DETAIL 03/E-7002 FOR AUDITIONAL INFORMATION.
5. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT OF AIR HANDLING UNIT. REFER TO DETAIL 03/E-7002 FOR ADDITIONAL INFORMATION.
6. CONNECT ALL FIRE/SMOKE AND MISC. MOTORIZED DAMPERS IN THIS AREA TO EMERGENCY EQUIPMENT CIRCUIT INDICATED. PROVIDE SEPARATE RELAYS FOR EACH FIRE ZONE TO MEET MECHANICAL SEQUENCE. REFER TO ARCHITECTURAL LIFE SAFETY PLANS FOR SMOKE WALLS, AND MECHANICAL PLANS FOR LOCATIONS OF ALL FIRE/SMOKE AND MOTORIZED DAMPERS.
7. JUNCTION BOX SHOWN FOR 120V EQUIPMENT POWER CONNECTION TO DDC CONTROL PANELS IN THIS AREA. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS.
8. CIRCUIT TO AN AVAILABLE 20A/1P CIRCUIT BREAKER IN NEAREST 120/208V CRITICAL BRANCH PANEL BOARD.
9. NEW DISTRIBUTION PANEL "DPCC" TO REPLACE EXISTING DISTRIBUTION PANEL IN SAME LOCATION. IF EXISTING PANEL CAN BE MODIFIED TO ACCOMMODATE NEW LOADS, RE-USE EXISTING DISTRIBUTION PANEL. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
10. REFER TO LIGHTING RELAY PANEL DETAIL ON 07/E-7003 FOR PANEL SCHEDULE AND MANUFACTURER INFORMATION.
11. JUNCTION BOX SHOWN FOR CONNECTION TO PRE-ACTION CONTROL PANEL IN THIS AREA. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION/REQUIREMENTS.
12. JUNCTION BOX SHOWN FOR CONNECTION TO PRE-ACTION AIR COMPRESSOR IN THIS AREA. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION/REQUIREMENTS.
13. JUNCTION BOX SHOWN FOR CONNECTION TO DRY-PIPE AIR COMPRESSOR IN THIS AREA. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION/REQUIREMENTS.
14. LOCATION OF NEW EMERGENCY POWER OFF SWITCH. REFER TO DETAIL 01/E-7001 FOR FURTHER INFORMATION.
15. PROVIDE 480V CONNECTION TO HOT WATER RECIRCULATION PUMPS IN THIS AREA. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION/REQUIREMENTS.
16. RE-ROUTE EXISTING CONDUITS FROM GENERATOR "C" TO MAIN DISTRIBUTION PANELS OVER NEW GARAGE DOOR OPENING. COORDINATE HEIGHT AND LOCATION WITH NEW OPENING AND ARCHITECTURAL ELEVATIONS. COORDINATE DOWNTIME WITH FACILITY AND ARCHITECT.

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Medical Center of Aurora

South Campus
Private Room Expansion
Aurora, Colorado

HCA

Project # 306660001

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AUGUST 24, 2006 - 100% CD'S ISSUED FOR PERMIT & CONSTRUCTION

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	Revisions	
1	ADDENDUM #2	10/31/06
2	ASI #3	03/12/07
3	RFI #182	03/22/07
4	PR #1	04/27/07
5	PR #6	07/24/07
6	PR #13	10/12/07
7	PR #21	03/03/08
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Date	08-24-2006
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Title

ENLARGED CENTRAL PLANT & MAIN ELECTRICAL ROOM PLANS

Sheet

08-319295

E-5001

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BUILDING DIVISION
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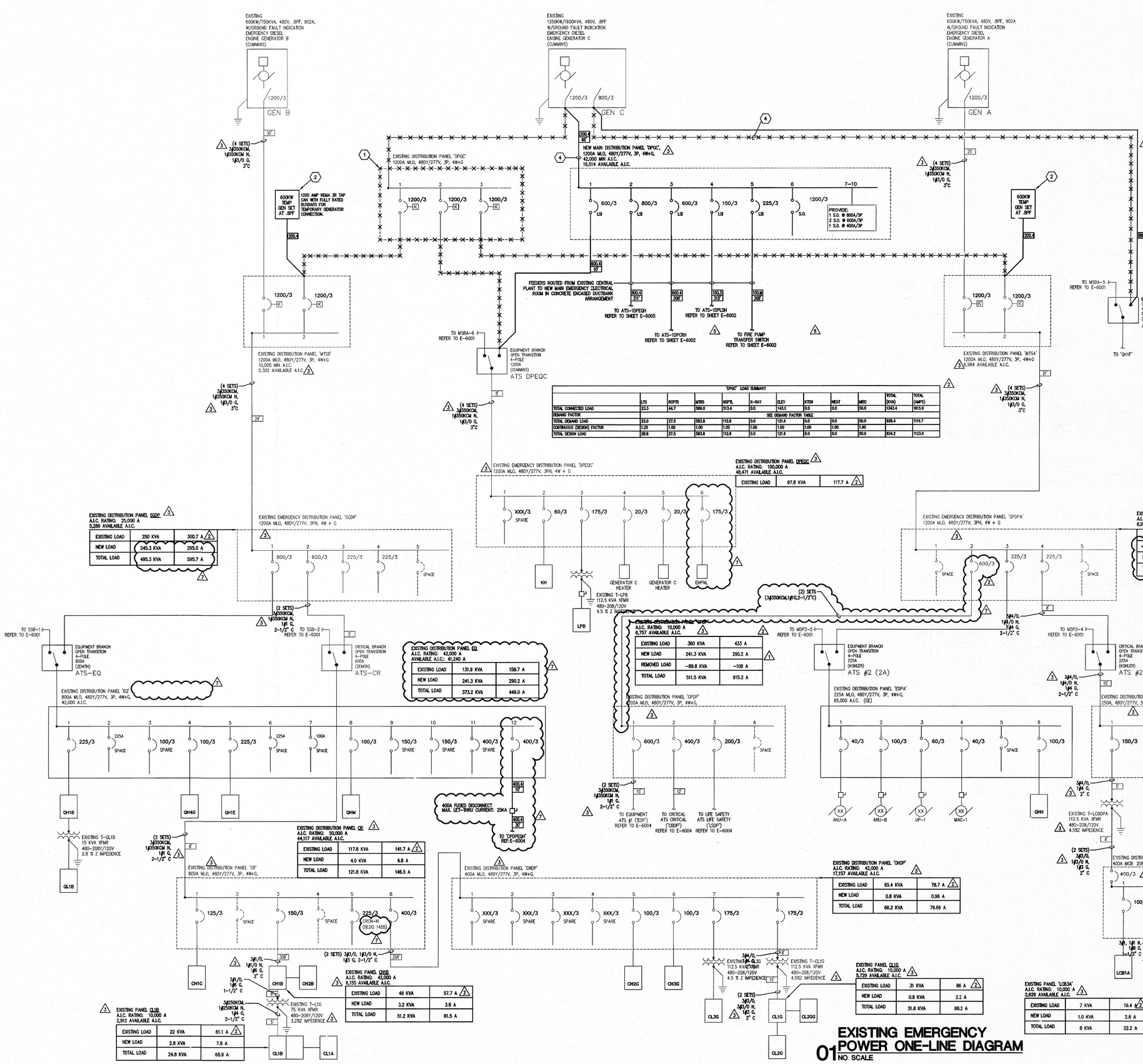
01 ENLARGED 1ST FLOOR PARTIAL PLANS

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

02 ENLARGED CENTRAL PLANT

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

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08/30/2006 - 12:40PM
Don Seeley, CCRD Partners



GENERAL NOTES:

A. FEEDER SIZES ARE DETERMINED BY THE FEEDER SCHEDULE ON SHEET E-6000 AND ARE DESIGNATED BY A RECTANGULAR TAG ([###]) ON EACH FEEDER UNLESS NOTED OTHERWISE.

B. REFER TO E-6000 FOR ONE-LINE DIAGRAM SYMBOLS AND SCHEDULES.

LEGEND NOTES:

1. EXISTING DISTRIBUTION PANEL TO BE DEMOLISHED AND REPLACED WITH NEW DISTRIBUTION PANEL IN SAME LOCATION AS INDICATED. IF EXISTING DISTRIBUTION PANEL CAN BE MODIFIED TO ACCOMODATE NEW LOADS, EXISTING DISTRIBUTION PANEL MAY BE RE-USED.
2. 1200A TEMPORARY GENERATOR CONNECTION CABINET EQUAL TO CUTLER-HAMMER LOW VOLTAGE "GENERATOR QUICK CONNECT SWITCHBOARD", NEMA 3R CONSTRUCTION, WITH EXTRA TALL DOOR TO ACCOMMODATE (8) PARALLELED SETS OF CABLE FROM TEMPORARY GENERATOR. REFER TO E-1001B FOR EXACT LOCATION.
3. PROVIDE MECHANICAL AND ELECTRONIC LOCK OUT TO ALLOW ONLY ONE CIRCUIT BREAKER TO BE IN THE CLOSED POSITION AT ANY TIME.
4. EXISTING FEEDERS TO BE REMOVED AND RE-PULLED TO ACCOMODATE NEW GARAGE DOOR IN CENTRAL PLANT. REFER TO ENLARGED CENTRAL PLANT PLAN, 02/E-5001 FOR ADDITIONAL INFORMATION.

01 EXISTING EMERGENCY POWER ONE-LINE DIAGRAM
NO SCALE

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COLORADO REGISTERED DONALD TOME 33931 PROFESSIONAL ENGINEER
3/12/08

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3	ASI #3	03/12/07
4	PR #6	07/24/07
5	PR #13	10/12/07
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Checked	SG
Approved	SG

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EXISTING EMERGENCY POWER ONE-LINE DIAGRAM

Sheet
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E-6003

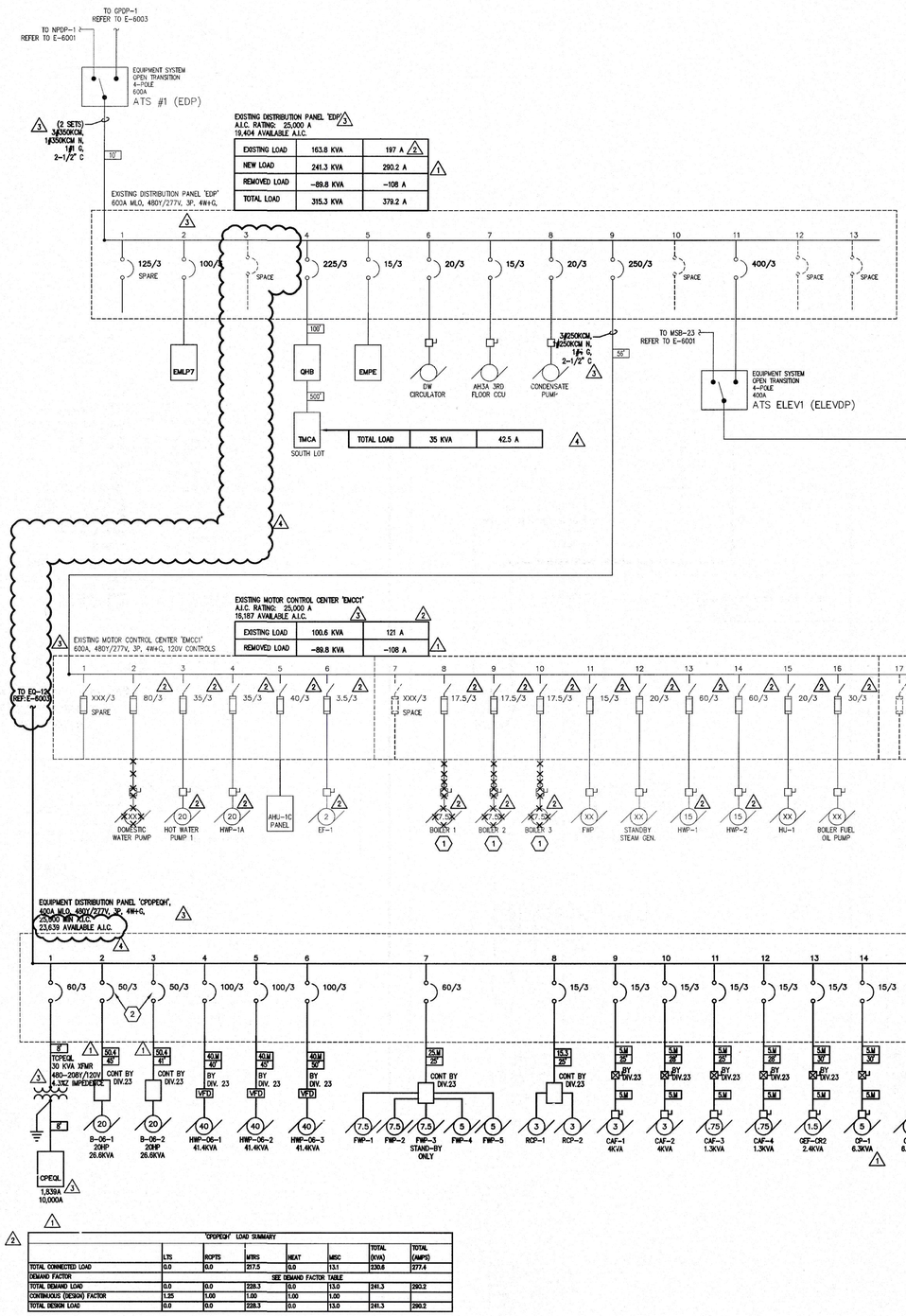
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Dan Seeley, CCRD Partners 06/01/2007 - 12:49PM



GENERAL NOTES:

A. FEEDER SIZES ARE DETERMINED BY THE FEEDER SCHEDULE ON SHEET E-6000 AND ARE DESIGNATED BY A RECTANGULAR TAG (###) ON EACH FEEDER UNLESS NOTED OTHERWISE.

B. WHERE EXISTING MECHANICAL AND PLUMBING EQUIPMENT IS DEMOLISHED, REMOVE ALL RELATED ELECTRICAL FEEDS TO THE EQUIPMENT AND THEIR ASSOCIATED CONDUITS BACK TO THE POINT OF ORIGINATION.

C. REFER TO E-6000 FOR ONE-LINE DIAGRAM SYMBOLS AND SCHEDULES.

LEGEND NOTES:

1. EXISTING EQUIPMENT TO BE REMOVED, COORDINATE PHASING OF DEMOLITION WITH NEW CONSTRUCTION. LABEL CIRCUIT BREAKER AS SPARE.
2. 480V/70A/3# CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OPEN POSITION WITH SHUNT-TRIP FOR BOILER EMERGENCY SHUT DOWN. SHUNT-TRIP SHALL BE CONTROLLED BY THE EMERGENCY OFF SWITCH LOCATED ON MECHANICAL PLANS.

01 PARTIAL EXISTING EMERGENCY POWER ONE-LINE DIAGRAM
NO SCALE

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COLORADO REGISTERED RICHARD L. MOSS 31031 PROFESSIONAL ENGINEER

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PARITAL EXISTING EMERGENCY POWER ONE-LINE DIAGRAM

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E-6004

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