City of Aurora
Building Codes Division
15151 E Alameda Pkwy
Aurora, CO 80012
(303) 739-7420

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Date 8/1/07

PLAN REVIEW REVISION SUBMITTAL

This form should be completed and submitted with all building plan revisions. All changes from the previously approved drawings must be clearly shown by clouding, circling, etc.

Project address 1501 S. Potomac | Unit # _____

Project name Medical Center of Aurora | Valuation $ ~~$25,000~~ [illegible]

Contractor JE Dunn | Contractor License _____

Contact Name Andy Rosdil | Phone # 303-873-4695

Fax 303-873-4838 | Email andrew.rosdil@JEDunn.com

Owner HCA Health One LLC | Phone # _____

Address _____ | Fax _____

Have there been any permits issued for this job? Yes X No _____

If yes, what type of work is being proposed in the attached plans being submitted?

PR#6 Electrical Modifications

our copy installed

THIS SPACE FOR OFFICE USE ONLY

REVIEWS	Review Time (Hrs)
__Mechanical	
__Plumbing	
X Electrical	~~offset [illegible]~~ DLH ok'd 8-14-07 8 HRS
X Structural	2 hrs. JC
__Life Safety	

APPROVED AUG 16 2007

Plan Review Fee $ _____

Plan Location CAB 115
Parent RSN 25 1428
Permit Number _____
Permit Type Limited (LT)
Sub Type Plan Revisions Elec.
Intake by DLH 8-1-07 (P.E.)

RSN 271928

2 hrs $94 fee intake
Add Permit fee upon Approval

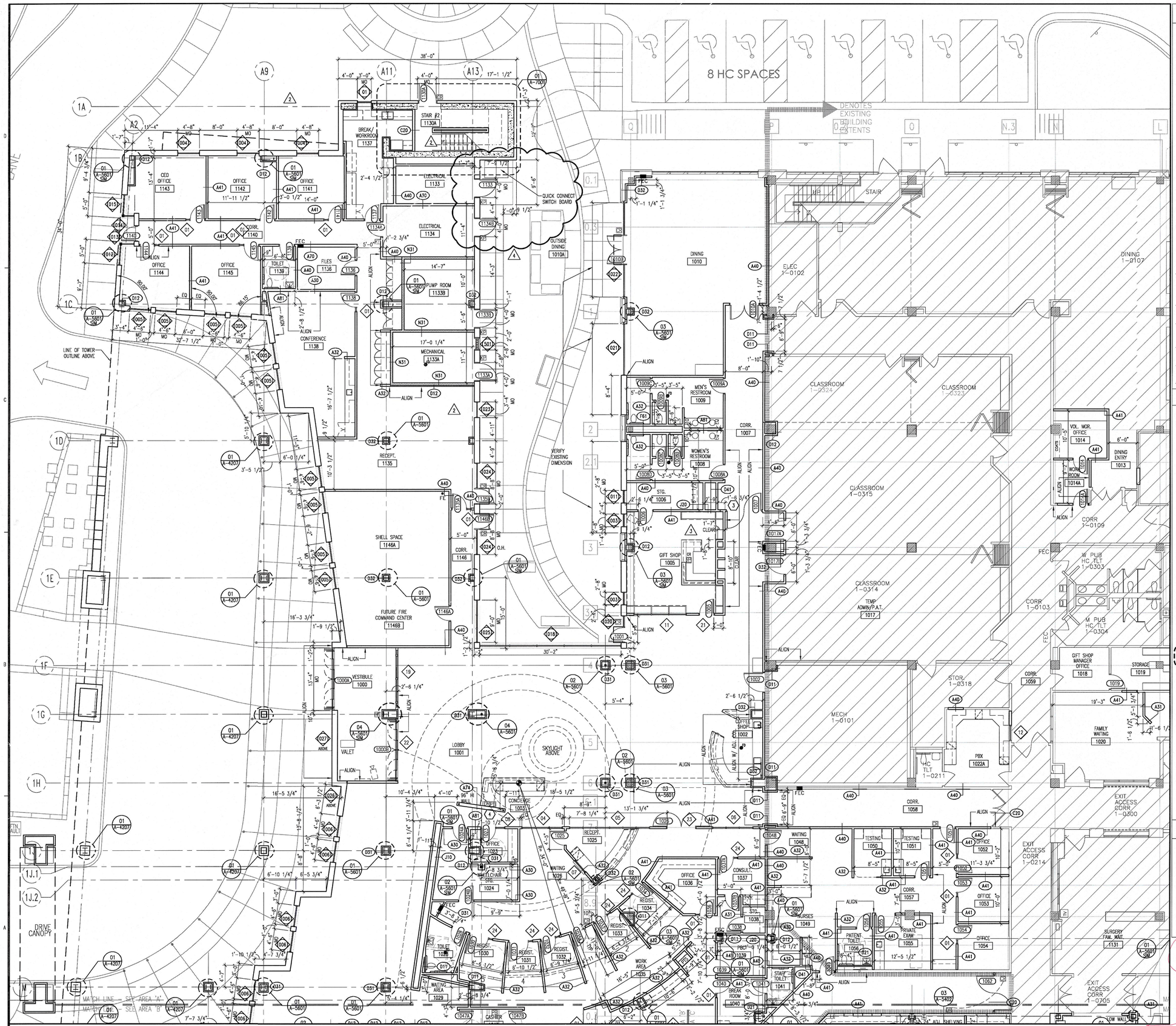
BOARD OF APPEALS

The City of Aurora has created a Building Code and Contractor's Appeals and Standards Board. Applicants have the right to have the board hear appeals of orders, decisions or determinations made by the building official relative to the application and interpretation of the building code.

Any application for appeal to the board shall be based on a claim that the true intent of the code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of the building code do not fully apply or an equally good or better form of construction is proposed.

03/26/04

07-194301



01 ARCHITECTURAL NEW CONSTRUCTION PLAN – FIRST FLOOR – AREA 'A'

1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. PARTITION TYPES ARE SCHEDULED IN THE A-81 SERIES. RE: A-011 SERIES FOR GRAPHIC EXTENT OF FIRE RATED PARTITIONS. REFER TO PARTITION TYPE LEGENDS FOR LOCATION OF SOUND ATTENUATION BLANKETS.
2. REFER TO SHEET G-0001 FOR ADDITIONAL GENERAL NOTES.
3. ALL PARTITIONS ARE TYPE "A31" ON THE FIRST FLOOR AND "A41" FOR FLOORS 2–6 UNLESS OTHERWISE NOTED.
4. DIMENSIONS SHOWN ON THE FLOOR PLANS FOR NEW CONSTRUCTION ARE TO THE FACE OF FINISH OF INTERIOR WALLS, TO CENTER LINE OF COLUMNS AND TO FACE OF CONCRETE OR MASONRY WALLS, UNLESS OTHERWISE INDICATED. DIMENSIONS IN RENOVATED AREAS ARE FROM FINISH FACE OF EXISTING WALLS AND TO FINISH FACE OF NEW STUD WALLS, UNLESS OTHERWISE INDICATED.
5. WHERE NEW GYPSUM BOARD PARTITIONS ARE A CONTINUATION OF AN EXISTING PARTITION OR COLUMN ENCASEMENT, THE FACE OF THE NEW GYPSUM BOARD SHALL BE ALIGNED WITH THE FACE OF THE EXISTING SURFACE. WHERE A ONE HOUR PARTITION IS SHOWN AS A CONTINUATION OF A TWO-HOUR PARTITION OR COLUMN ENCASEMENT, THE FACE OF THE GYPSUM BOARD SHALL BE ALIGNED. STUDS SHALL BE OFFSET AND ADDITIONAL LAYERS OF GYPSUM BOARD SHALL BE PROVIDED AS REQUIRED TO PROVIDE FACE ALIGNMENT OF GYPSUM BOARD.
6. CLINICAL SINKS SHALL BE MOUNTED SO THAT THE CENTERLINE OF THE SINK IS 1'-6" MINIMUM TO THE FACE OF THE ADJACENT FIXED EQUIPMENT, SIDE WALL, CASEWORK, ETC.
7. ALL PATIENT CORRIDORS AND PASSAGEWAYS SHALL BE 8'-0" MINIMUM CLEAR WIDTH.
8. SEE A-5000 FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES AND TOILET ACCESSORIES.
9. LAVATORIES AND SINKS SHALL BE ACCOMPANIED BY A PAPER TOWEL DISPENSER "TA2" AND SOAP DISPENSER "TA6" UNLESS OTHERWISE NOTED ON ENLARGED FLOOR PLANS.
10. SEE A-5000 FOR ENLARGED PLAN AT A TYPICAL DRINKING FOUNTAIN ALCOVE.
11. REFER TO A-55 SERIES FOR MISCELLANEOUS DETAILS.
12. PROVIDE 1'-0" CLEAR FLOOR SPACE AT THE PUSH SIDE OF EVERY DOOR WITH A CLOSER. PROVIDE 1'-6" CLEAR AT THE PULL SIDE OF EVERY DOOR (EXCLUDING PATIENT BEDROOMS), UNLESS SPECIFICALLY DIMENSIONED OTHERWISE.
13. PROVIDE 1'-4" CHASE BEHIND SINGLE SIDED TOILETS, AND 1'-8" CHASE BETWEEN BACK TO BACK TOILETS, FOR WALL HUNG FIXTURES.
14. ALL LAVATORIES AND SINKS SHALL BE MOUNTED A MINIMUM OF 1'-3" FROM THE CENTERLINE OF THE FIXTURE TO THE FINISHED FACE OF THE ADJACENT PARTITION.
15. SEE OWNER FURNISHED NUCLEAR MEDICINE, ETC. VENDOR DRAWINGS FOR CRITICAL DIMENSIONS IN THESE AREAS.
16. REFER TO THE A-21 SERIES, "EQUIPMENT AND MILLWORK PLANS" FOR WALL PROTECTION LOCATIONS.
17. REFER TO SHEET A-5000 FOR ALL TOILET SPECIFICATIONS AND HEIGHTS.

FLOOR PLAN LEGEND

- EJ — EXPANSION JOINT
- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXISTING COLUMN
- F.V. — FIELD VERIFY
- 1 / A-4100 — SECTION TAG
- 001 / 1 — EXTERIOR FRAMED OPENING RE: A-8400; INTERIOR WINDOW IDENTIFICATION RE: A-8500
- F.V. — FIELD VERIFY
- 200B — DOOR IDENTIFICATION RE: A-8300 SERIES FOR HEAD, JAMB & SILL DETAILS
- A1 — WALL PARTITION TAG RE: A-8106SERIES
- F.D. — FLOOR DRAIN
- C.T. / I.V. — CURTAIN OR I.V. TRACK RE: 02/A5500
- STRUCTURAL BRACING
- LEAD LINED WALL
- SHEAR WALL
- 1 / A-2000 — ENLARGED FLOOR PLAN BUBBLE
- NOT IN SCOPE OF WORK
- CONTRACTOR FURNISHED EQUIPMENT/ITEM
- OWNER FURNISHED OWNER INSTALLED EQUIPMENT/ITEM
- OWNER FURNISHED CONTRACTOR INSTALLED EQUIPMENT/ITEM
- SECURITY CAMERA, FIXTURE AND FINAL CONNECTION BY SECURITY VENDOR. CONTRACTOR TO PROVIDE/INSTALL CONDUIT AND CABLE.
- CR — CARD READER, FIXTURE AND FINAL CONNECTION BY SECURITY VENDOR. CONTRACTOR TO PROVIDE/INSTALL CONDUIT AND CABLE.
- KP — KEYPAD BY DOOR HARDWARE SUPPLIER

FLOOR PLAN KEYNOTES

1. INSTALL NEW METAL STUD FRAMING OVER EXISTING WINDOW FRAME W/FOIL BACKED INSULATION. COVER STUDS W/ 5/8" GYP. BD. FLUSH WITH EXISTING WALL. APPLY FINISH TO MATCH ADJACENT WALL FINISH.
2. FIRE-RATED PLYWOOD FROM FLOOR TO 9'-0" A.F.F.
3. PROVIDE CUTOUT THRU WALL FOR INSTALLATION OF NEW O.F.C.I. ATM. VERIFY WALL CUTOUT WITH ATM MFR.
4. PROVIDE 3 1/2" STEEL TUBE W/1/4" STEEL PLATE WELDED TO BOTTOM SIMILAR TO DETAIL 04/A-5402 AT EACH END OF WALL.
5. PROVIDE 3 HR. RATED 36" X 48" FIRE RATED ACCESS PANEL MOUNTED IN 8" CMU WALL. PLACE BOTTOM OF PANEL 2'-8" ABOVE FINISHED FLOOR AND CENTERED ON WALL.

RSN# 271298

Revisions.

CITY OF AURORA BUILDING DIVISION APPROVED AS NOTED DATE APPROVED AUG 16 2007

2003 IBC

Code violations found during inspection are required to be corrected. Plan/Permit issuance does not grant approval of a code violation. 2006 IBC 105.4.

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

200719430

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Medical Center of Aurora

South Campus
Private Room Expansion
Aurora, Colorado

HCA

Project # 306660001

In association with:

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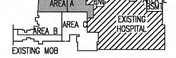
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KEY PLAN

FIRST FLOOR



STATE OF COLORADO
TRUBY K. McCLUGAGE
203601
LICENSED ARCHITECT
7.24.07

Revisions

NO.	ISSUE	DATE
1	ADDENDUM #2	10.31.06
2	ASI #03	03.12.07
3	ASI #04	03.27.07
4	PR #06	07.24.07

Sheet Information

Date	08-24-2006
Job Number	142228.000
Drawn	LTS
Checked	DcE
Approved	CG

Title

ARCHITECTURAL NEW CONSTRUCTION PLAN FIRST FLOOR AREA 'A'

THIS SHEET OF DRAWINGS IS NOT BEEN REVIEWED FOR ELECTRICAL CODE COMPLIANCE

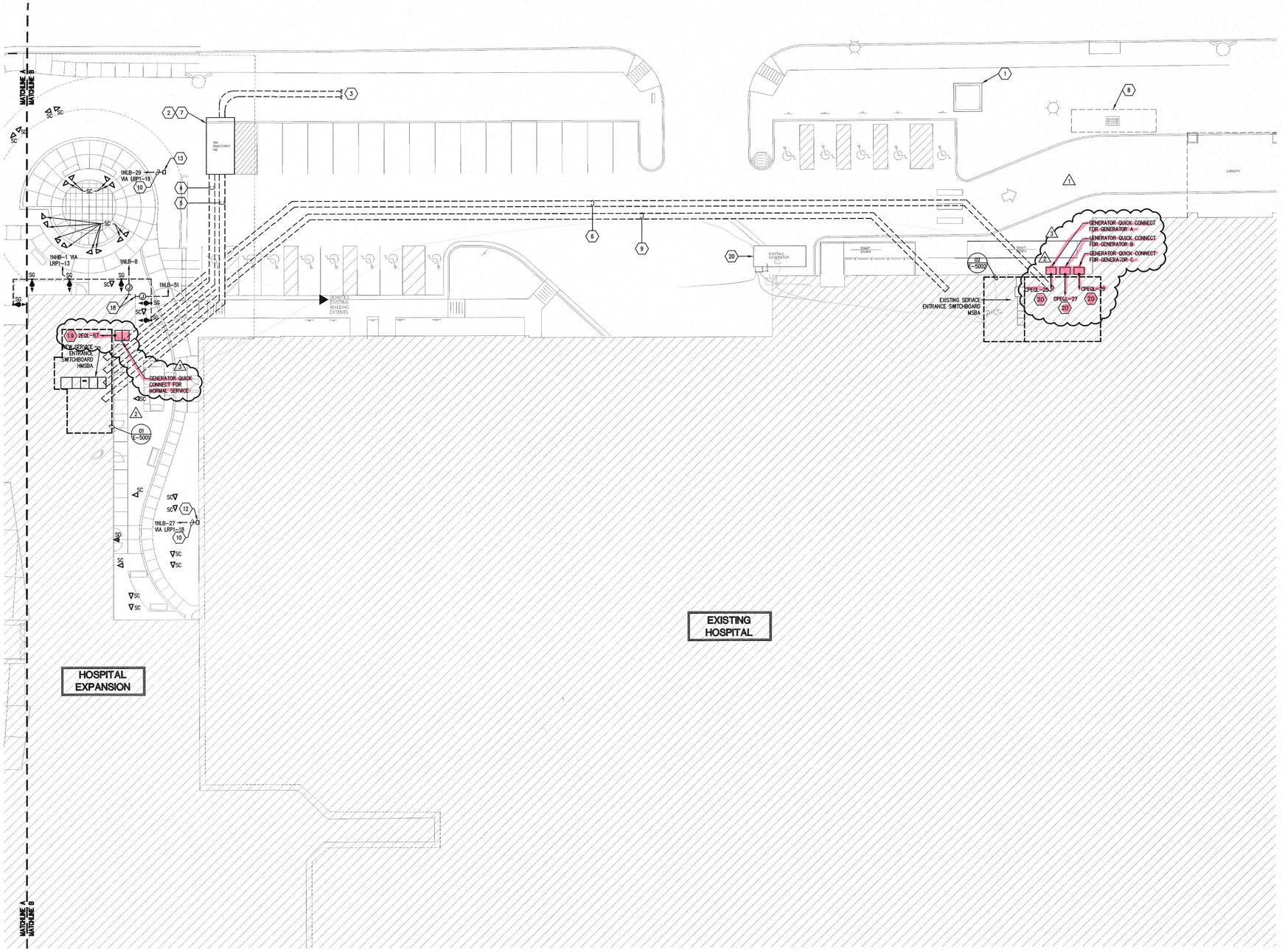
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A-2001A

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Jul 24, 2007 - 3:48pm
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kimbolt



LEGEND NOTES

1. EXISTING PAD MOUNTED UTILITY TRANSFORMER.
2. NEW UTILITY TRANSFORMER AND SERVICE CONNECTION CABINET FOR HOSPITAL EXPANSION ON CONTINUOUS HOUSEKEEPING PAD PER UTILITY SPECIFICATIONS. PAD AND CONNECTION CABINET PROVIDED AND INSTALLED BY CONTRACTOR. REFER TO CONNECTION CABINET DETAIL 06/E-7004 FOR ADDITIONAL INFORMATION.
3. NEW HOSPITAL EXPANSION PRIMARY UTILITY FEEDERS. CONTRACTOR TO PROVIDE (2) EMPTY 4" CONDUITS FROM UTILITY LINE TO UTILITY TRANSFORMER. UTILITY TO PROVIDE AND INSTALL PRIMARY CONDUCTORS. COORDINATE EXACT ROUTING WITH UTILITY COMPANY. PROVIDE CONCRETE ENCASED DUCTBANK AS PER UTILITY SPECIFICATIONS. VERIFY LOCATION OF ALL UTILITIES AND COORDINATE ELEVATIONS PRIOR TO TRENCHING.
4. HOSPITAL SECONDARY SERVICE ENTRANCE FEEDER TO MAIN SWITCHBOARD BY CONTRACTOR. REFER TO SHEET E-6002 FOR FEEDER SIZES. COORDINATE ROUTING WITH CIVIL CONTRACTOR AND OTHER TRADES PRIOR TO TRENCHING.
5. CONCRETE ENCASED FIRE PUMP NORMAL POWER FEED FOR NEW FIRE PUMP. PROVIDE CONDUIT AND CONDUCTORS AS INDICATED ON E-6002. COORDINATE ROUTING WITH CIVIL CONTRACTOR AND OTHER TRADES PRIOR TO TRENCHING.
6. EMERGENCY POWER FEEDERS ROUTED TO NEW EMERGENCY DISTRIBUTION PANELBOARDS BY CONTRACTOR. REFER TO SHEET E-6003 FOR FEEDER SIZES. COORDINATE ROUTING WITH CIVIL CONTRACTOR AND OTHER TRADES PRIOR TO TRENCHING.
7. LOCATION OF METER TO BE COORDINATED WITH UTILITY. METER ENCLOSURE, CONNECTION CABINET, CONDUIT AND FEEDERS TO ENCLOSURES, AND FINAL CONNECTION BY CONTRACTOR. METER AND METERING CT'S BY UTILITY.
8. EXISTING 10,000 GALLON BELOW GRADE FUEL OIL STORAGE TANK.
9. NEW NORMAL POWER FEEDS ROUTED TO NEW CHILLERS BY CONTRACTOR. REFER TO SHEET E-6002 FOR FEEDER SIZES. COORDINATE ROUTING WITH CIVIL CONTRACTOR AND OTHER TRADES PRIOR TO TRENCHING.
10. PROVIDE 2#8 AND 1#8G IN 1" CONDUIT FOR SITE LIGHTING. REFER TO SHEET 07/E-7003 FOR LIGHTING CONTACTOR INFORMATION.
12. PROVIDE 120V/12V TRANSFORMER EQUAL TO FX LUMINAIRE #PX-600 FOR CONNECTION TO TREE LIGHTING IN THIS AREA.
13. PROVIDE 120V/12V TRANSFORMER EQUAL TO FX LUMINAIRE #PX-900 FOR CONNECTION TO TREE LIGHTING IN THIS AREA.
16. NOT USED.
17. NOT USED.
18. WATER PROOF JUNCTION BOX SHOWN FOR CONNECTION TO IRRIGATION CONTROLLERS IN THIS AREA. COORDINATE EXACT LOCATION/REQUIREMENTS WITH LANDSCAPING DRAWINGS PRIOR TO ROUGH-IN.
19. PROVIDE 120V EQUIPMENT POWER CONNECTION TO GENERATOR QUICK CONNECT SWITCHBOARD HEATER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER. ROUTE CONDUIT CONNECTIONS FROM NORMAL SERVICE SWITCHBOARD AND FOR HEATER CONNECTION UNDERGROUND STUBBING UP INTO EQUIPMENT SO THAT NO CONDUIT IS VISIBLE FROM THE EXTERIOR.
20. PROVIDE 120V EQUIPMENT POWER CONNECTION TO GENERATOR QUICK CONNECT SWITCHBOARD HEATER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER.

01 PARTIAL SITE ELECTRICAL PLAN
SCALE: 1/16"=1'-0"

APPROVED BUILDING DIVISION
ELECTRICAL SECTION
APPROVED
SUBJECT TO COMMENTS AS NOTED
AND FIELD INSPECTION

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED 8-14-07
DATE

THIS APPROVAL DOES NOT AUTHORIZE ANY WORK BEYOND THE SCOPE OF WORK INDICATED ON THE APPROVED PLANS

See G006 for Sheets

2007194301

BUILDING DIVISION COPY

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Medical Center of Aurora
South Campus
Private Room Expansion
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HCA

Project # 306660001

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

COLORADO LICENSED
ANTHONY LEE
#31031
PROFESSIONAL ENGINEER
7/23/07

Revisions

1	ADDENDUM #2	10/31/06
2	ASI #2	01/18/07
3	PR #6	07/24/07

NO.	ISSUE	DATE

Sheet Information

Date	08-24-2006
Job Number	142228.000
Drawn	AL
Checked	AL
Approved	SG

Title

PARTIAL SITE ELECTRICAL PLAN

Sheet

E-1001B

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P:\2005 Projects\056555 Medical Center of Aurora Expansion\Drawings\Construction Documents\ESSE-1001B.dwg
Dan Swaley, CCRD Partners 08/01/2007 - 12:32PM

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 ADDITIONAL INFORMATION.
5. PROVIDE DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUC" 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 "DPGC" 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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AUGUST 24, 2006 - 100% CD'S ISSUED FOR PERMIT & CONSTRUCTION

Delete Gen Ok Comm for Normal Svcs

See Sheet E1.0018

COLORADO LICENSED 61031 PROFESSIONAL ENGINEER

Revisions

NO.	ISSUE	DATE
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

AURORA BUILDING INSPECTION ELECTRICAL DIVISION APPROVED SUBJECT TO COMMENTS AS NOTED AND FIELD INSPECTIONS

Sheet Information

Date	08-24-2006
Job Number	142228.000
Drawn	AL
Checked	AL
Approved	SG

Title

BUILDING DIVISION COPY

ENLARGED CENTRAL PLANT & MAIN ELECTRICAL ROOM PLANS

Sheet

E-5001

Issued for Permit & Construction

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REVISED APPROVED DEC 03 2007

CITY OF AURORA BUILDING DIVISION APPROVED AS NOTED 8-14-07 DATE

2007194301

01 ENLARGED 1ST FLOOR PARTIAL PLANS

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

02 ENLARGED CENTRAL PLANT

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

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Dan Sawka, CCRD Partners 08/01/2007 12:40PM

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. 1

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

LEGEND NOTES:

1. SIZE TVSS OVERCURRENT PROTECTION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE MECHANICAL AND ELECTRONIC LOCK OUT TO ALLOW ONLY ONE CIRCUIT BREAKER TO BE IN THE CLOSED POSITION AT ANY TIME.
3. WHERE THE ATS PROPOSED FOR THE WORK MEETS THE REQUIRED AIC RATING INDICATED BY ONE OF THE FOLLOWING METHODS
   1. UPSIZED TRANSFER SWITCH FRAME
   2. SPECIFIC BREAKER COORDINATION
   3. ANY BREAKER RATING
   4. FUSED DISCONNECT INTEGRAL IN ATS

   PROVIDE A DEDUCT ALTERNATE TO REMOVE CLASS J FUSED DISCONNECT SWITCHES SHOWN TO ATS. COORDINATE LAYOUT OF ELECTRICAL ROOM WITH PROPOSED EQUIPMENT.
4. 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. AMPERE RATING AS INDICATED. GENERATOR BREAKER LOAD CONNECTIONS MUST BE ACCESSIBLE FROM FRONT ONLY – REAR OR SIDE ACCESS IS NOT AVAILABLE. REFER TO E-1001B FOR EXACT LOCATION.

*See sheet E-001 Attachment

'HMSBA' LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	X-RAY	ELEV	KTCH	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	27.7	90.2	1331.1	860.2	0.0	143.0	0.0	60.0	64.0	2576.1	3066.6
DEMAND FACTOR	SEE DEMAND FACTOR TABLE 1										
TOTAL DEMAND LOAD	28.0	50.0	1435.5	182.0	0.0	121.6	0.0	60.0	64.0	1941.1	2334.7
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	35.0	50.0	1435.5	182.0	0.0	121.6	0.0	60.0	64.0	1948.1	2343.1

'1DPLSH' LOAD SUMMARY

	LTS	RCPTS	HSPTL	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	22.5	0.0	2.0	3.1	27.6	33.2
DEMAND FACTOR	SEE DEMAND FACTOR TABLE					
TOTAL DEMAND LOAD	23.0	0.0	0.8	3.0	26.8	32.2
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00		
TOTAL DESIGN LOAD	28.8	0.0	0.8	3.0	32.6	39.2

'1DPCRH' LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.7	44.7	55.8	412.8	0.0	3.8	517.8	622.6
DEMAND FACTOR	SEE DEMAND FACTOR TABLE							
TOTAL DEMAND LOAD	1.0	27.5	64.3	92.6	0.0	4.0	189.3	227.8
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	1.3	27.5	64.3	92.6	0.0	4.0	189.6	228.1

'4DPCRL' LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.7	22.6	0.0	112.3	0.0	0.5	136.1	377.9
DEMAND FACTOR	SEE DEMAND FACTOR TABLE							
TOTAL DEMAND LOAD	1.0	16.5	0.0	32.4	0.0	0.0	49.9	138.5
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00			
TOTAL DESIGN LOAD	1.3	16.5	0.0	32.4	0.0	0.0	50.2	139.2

'2DPCRL' LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	22.1	0.0	243.1	0.0	3.3	268.5	745.4
DEMAND FACTOR	SEE DEMAND FACTOR TABLE							
TOTAL DEMAND LOAD	0.0	16.0	0.0	58.6	0.0	3.0	77.6	215.4
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00			
TOTAL DESIGN LOAD	0.0	16.0	0.0	58.6	0.0	3.0	77.6	215.4

'1DPNH' LOAD SUMMARY

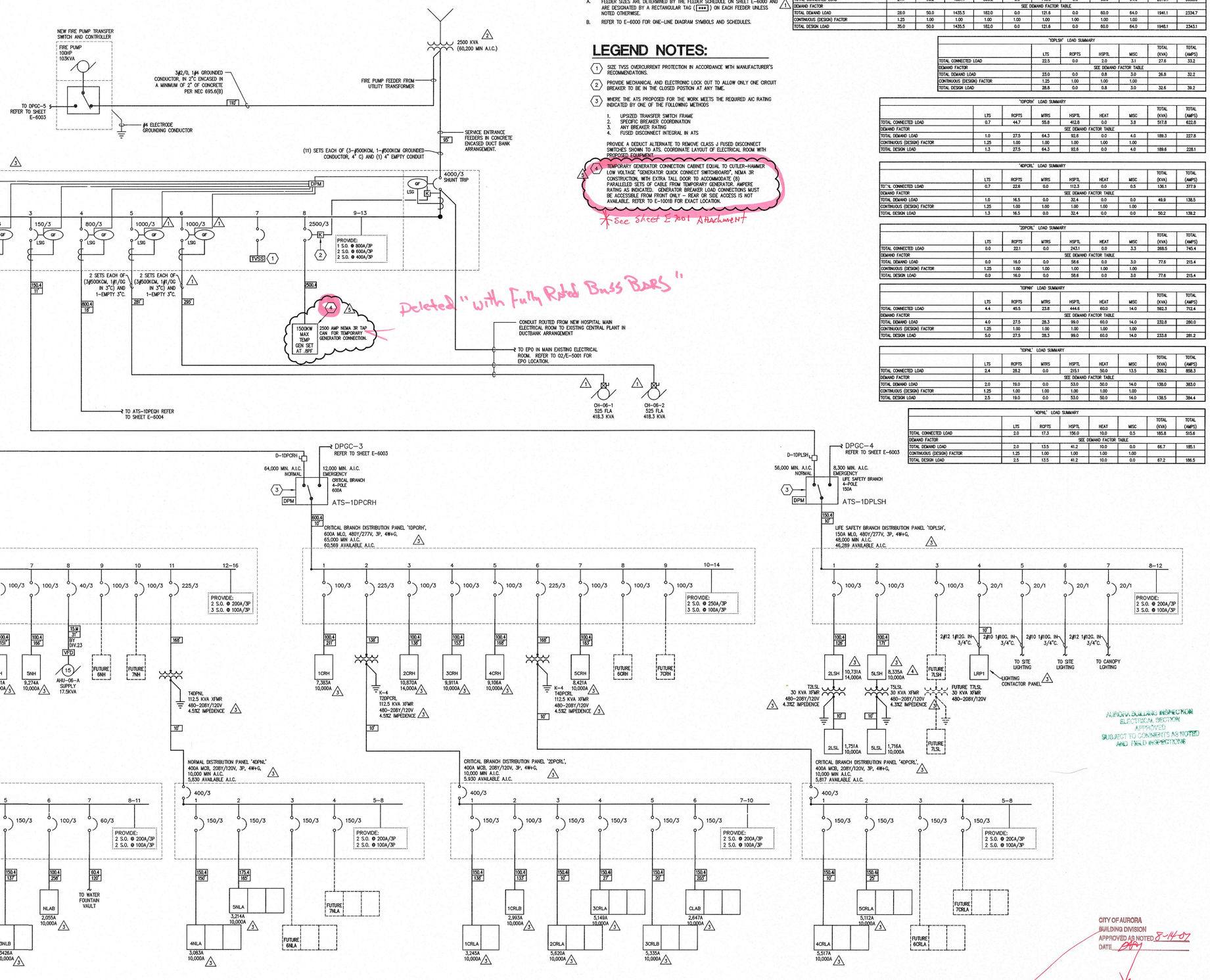
	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	4.4	45.5	23.8	444.6	60.0	14.0	592.3	712.4
DEMAND FACTOR	SEE DEMAND FACTOR TABLE							
TOTAL DEMAND LOAD	4.0	27.5	28.3	99.0	60.0	14.0	232.8	280.0
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	5.0	27.5	28.3	99.0	60.0	14.0	233.8	281.2

'1DPNL' LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	2.4	28.2	0.0	215.1	50.0	13.5	309.2	868.3
DEMAND FACTOR	SEE DEMAND FACTOR TABLE							
TOTAL DEMAND LOAD	2.0	19.0	0.0	53.0	50.0	14.0	138.0	383.0
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	2.5	19.0	0.0	53.0	50.0	14.0	138.5	384.4

'4DPNL' LOAD SUMMARY

	LTS	RCPTS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	2.0	17.3	156.0	10.0	0.5	185.8	515.6
DEMAND FACTOR	SEE DEMAND FACTOR TABLE						
TOTAL DEMAND LOAD	2.0	13.5	41.2	10.0	0.0	66.7	185.1
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00			
TOTAL DESIGN LOAD	2.5	13.5	41.2	10.0	0.0	67.2	186.5



AURORA BUILDING INSPECTION
ELECTRICAL SECTION
APPROVED
SUBJECT TO COMMENTS AS NOTED
AND FIELD INSPECTIONS

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED 8-14-07
DATE BMH

ONLY NOTED/LISTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

REVISED
APPROVED DEC 03 2007

2007194301

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01 NEW NORMAL & EMERGENCY POWER ONE-LINE DIAGRAM
NO SCALE

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

DOUGLAS W. MARTIN LICENSED PROFESSIONAL ENGINEER 31031 12-3-07

Revisions

NO.	ISSUE	DATE
1	ADDENDUM #2	10/31/06
2	ASI #2	01/18/07
3	ASI #3	03/12/07
4	ASI #4	03/27/07
5	PR #6	07/24/07

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Approved	SG

Title

NEW NORMAL AND EMERGENCY POWER ONE-LINE DIAGRAM

Sheet

E-6002

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06/01/2007 - 12:49PM
Don Sealey, 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.

EXISTING 600KW/750KVA, 480V, .8PF, 902A, W/GROUND FAULT INDICATION EMERGENCY DIESEL ENGINE GENERATOR B (CUMMINS)

EXISTING 1250KW/1600KVA, 480V, .8PF W/GROUND FAULT INDICATION EMERGENCY DIESEL ENGINE GENERATOR C (CUMMINS)

EXISTING 600KW/750KVA, 480V, .8PF, 902A W/GROUND FAULT INDICATION EMERGENCY DIESEL ENGINE GENERATOR A (CUMMINS)

GEN B — 1200/3

GEN C — 1200/3, 800/3

GEN A — 1200/3

(4 SETS) 3#350KCM, 1#350KCM N, 1#3/0 G, 3"C

600KW TEMP GEN SET AT .8PF

1200 AMP NEMA 3R TAP CAN WITH FULLY RATED BUSBARS FOR TEMPORARY GENERATOR CONNECTION.

EXISTING DISTRIBUTION PANEL 'DPDC'
1200A MLO, 480Y/277V, 3P, 4W+G

NEW MAIN DISTRIBUTION PANEL 'DPDC', 3
1200A MCB, 480Y/277V, 3P, 4W+G,
42,000 MIN A.I.C.
16,514 AVAILABLE A.I.C.

1200/3 — 1 2 3 4 5 6 7–10

600/3 LSI | 800/3 LSI | 600/3 LSI | 150/3 LSI | 225/3 LSI | 1200/3 LSI

PROVIDE:
1 S.O. @ 800A/3P
2 S.O. @ 600A/3P
1 S.O. @ 400A/3P

FEEDERS ROUTED FROM EXISTING CENTRAL PLANT TO NEW MAIN EMERGENCY ELECTRICAL ROOM IN CONCRETE ENCASED DUCTBANK ARRANGEMENT

800.4 3IN — TO ATS-1DPEQH REFER TO SHEET E-6005

600.4 3IN — TO ATS-1DPLSH REFER TO SHEET E-6002

150.4 3IN — TO ATS-1DPCRH REFER TO SHEET E-6002

100M 3IN — TO FIRE PUMP TRANSFER SWITCH REFER TO SHEET E-6002

1000KW MAX TEMP GEN SET AT .8PF

600.4 10' — 800.4 — 200.4

TO MSBA-6 REFER TO E-6001

EQUIPMENT BRANCH OPEN TRANSITION 4-POLE 1200A (CUMMINS) ATS DPEQC

EXISTING DISTRIBUTION PANEL 'MTSB'
1200A MLO, 480Y/277V, 3P, 4W+G
10,000 MIN A.I.C.
5,302 AVAILABLE A.I.C. 3

(4 SETS) 3#350KCM, 1#350KCM N, 1#3/0 G, 3"C

'DPDC' LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	X-RAY	ELEV	KTCH	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	23.3	44.7	569.0	153.4	0.0	143.0	0.0	0.0	50.0	1343.4	1615.9
DEMAND FACTOR	SEE DEMAND FACTOR TABLE										
TOTAL DEMAND LOAD	23.0	27.5	593.8	112.6	0.0	121.6	0.0	0.0	50.0	928.4	1116.7
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	28.8	27.5	593.8	112.6	0.0	121.6	0.0	0.0	50.0	934.2	1123.6

EXISTING DISTRIBUTION PANEL 'MTSA'
1200A MLO, 480Y/277V, 3P, 4W+G
6,984 AVAILABLE A.I.C. 3

(4 SETS) 3#350KCM, 1#350KCM N, 1#3/0 G, 3"C

600KW TEMP GEN SET AT .8PF

TO MSBA-5 REFER TO E-6001

EQUIPMENT BRANCH OPEN TRANSITION 4-POLE 800A (CUMMINS) ATS-800A

TO 'QH1F'

EXISTING EMERGENCY DISTRIBUTION PANEL 'DPEQC'
1200A MLO, 480Y/277V, 3PH, 4W + G

1 2 3 4 5 — XXX/3 SPARE | 60/3 | 175/3 | 20/3 | 20/3

EXISTING DISTRIBUTION PANEL DPEQC 3
A.I.C. RATING: 100,000 A
48,471 AVAILABLE A.I.C.

EXISTING LOAD	97.8 KVA	117.7 A 2

EXISTING DISTRIBUTION PANEL 'SGDP' 3
A.I.C. RATING: 25,000 A
5,289 AVAILABLE A.I.C.

EXISTING LOAD	250 KVA	300.7 A 2
NEW LOAD	4.0 KVA	4.8 A
TOTAL LOAD	254 KVA	305.5 A

EXISTING EMERGENCY DISTRIBUTION PANEL 'SGDP'
1200A MLO, 480Y/277V, 3PH, 4W + G

1 2 3 4 5 — 800/3 | 600/3 | 225/3 | 225/3 | SPACE

(2 SETS) 3#350KCM, 1#350KCM N, 1#1 G, 2-1/2" C — TO SSB-2 REFER TO E-6001 — 5'

CRITICAL BRANCH OPEN TRANSITION 4-POLE 600A (ZENITH) ATS-CR

723%
X1.15
830

EXISTING DISTRIBUTION PANEL 'GPDP' 3
A.I.C. RATING: 10,000 A
6,757 AVAILABLE A.I.C.

EXISTING LOAD	360 KVA	433 A
NEW LOAD	241.3 KVA	290.2 A
REMOVED LOAD	–89.8 KVA	–108 A
TOTAL LOAD	511.5 KVA	615.2 A

EXISTING DISTRIBUTION PANEL 'GPDP'
1200A MLO, 480Y/277V, 3P, 4W+G

1 2 3 4 — 600/3 | 400/3 | 200/3 | SPACE

(2 SETS) 3#350KCM, 1#350KCM N, 1#1 G, 2-1/2" C — 15'

TO EQUIPMENT ATS #1 ('EDP') REFER TO E-6004

EXISTING DISTRIBUTION PANEL 'GPDPA' 3
A.I.C. RATING: 42,000 A
6,964 AVAILABLE A.I.C.

EXISTING LOAD	420.7 KVA	506 A
NEW LOAD	242.3 KVA	291.4 A
REMOVED LOAD	–89.8 KVA	–108 A
TOTAL LOAD	573.1 KVA	689.4 A

EXISTING EMERGENCY DISTRIBUTION PANEL 'GPDPA'
1200A MLO, 480Y/277V, 3PH, 4W + G

1 2 3 4 5 — SPACE | 800/3 600/3 | 225/3 | 225/3 | SPACE

300.4 15'

3#4/0, 1#4/0 N, 1#4 G, 2-1/2" C — 8' — TO MDP2-4 REFER TO E-6001

CRITICAL BRANCH OPEN TRANSITION 4-POLE 225A (KOHLER) ATS #2 (1A)

3#4/0, 1#4/0 N, 1#4 G, 2-1/2" C — 15'

EXISTING DISTRIBUTION PANEL 'CBDPA' 3
A.I.C. RATING: 25,000 A
12,553 AVAILABLE A.I.C.

EXISTING LOAD	60.7 KVA	73 A 2
NEW LOAD	1.0 KVA	1.2 A
TOTAL LOAD	61.7 KVA	74.2 A

EXISTING DISTRIBUTION PANEL 'CBDPA'
250A, 480Y/277V, 3P, 4W+G

1 2 3 4 5 — 150/3 | 150/3 | 100/3 | 100/3 | SPACE

3#4/0, 1#4 G, 2" C — 5'

EXISTING T-LCBDPA 112.5 KVA XFMR 480–208/120V 4.5%Z IMPEDENCE

3#3/0, 1#3/0 N, 1#3 G, 2" C — 8'

EXISTING DISTRIBUTION PANEL 'LCBDPA' 3
A.I.C. RATING: 10,000 A
5,540 AVAILABLE A.I.C.

EXISTING LOAD	26.3 KVA	73 A 2
NEW LOAD	1.0 KVA	2.8 A
TOTAL LOAD	27.3 KVA	75.8 A

EXISTING DISTRIBUTION PANEL 'LCBDPA'
400A MCB, 208/120V, 3P, 4W+G

400/3 — 1 2 3 4 5 — 100/3 | 100/3 | 100/3 | 100/3 | SPACE

3#1, 1#1 N, 1#6 G, 1-1/2" C — 15'

LCB3A

EXISTING PANEL 'LCB3A' 3
A.I.C. RATING: 10,000 A
2,629 AVAILABLE A.I.C.

EXISTING LOAD	7 KVA	19.4 A 2
NEW LOAD	1.0 KVA	2.8 A
TOTAL LOAD	8 KVA	22.2 A

EXISTING DISTRIBUTION PANEL 'CR' 3
A.I.C. RATING: 50,000 A
44,117 AVAILABLE A.I.C.

EXISTING LOAD	117.8 KVA	141.7 A 2
NEW LOAD	4.0 KVA	4.8 A
TOTAL LOAD	121.8 KVA	146.5 A

(2 SETS) 3#350KCM, 1#350KCM N, 1#1 G, 2-1/2" C — 8'

EXISTING DISTRIBUTION PANEL 'CR'
800A MLO, 480Y/277V, 3P, 4W+G

1 2 3 4 5 6 — 125/3 SPACE | 150/3 SPACE | 225/3 SPARE | 400/3

(2 SETS) 3#3/0, 1#3/0 N, 1#3 G, 2-1/2" C — 25'

3#1/0, 1#1/0 N, 1#6 G, 2" C — 30' — CH1B

3#1/0, 1#6 G, 1-1/2" C — 5'

3#250KCM, 1#250KCM N, 1#4 G, 2-1/2" C

EXISTING T-L1G 75 KVA XFMR 480–208Y/120V 3.2%Z IMPEDENCE 3

EXISTING PANEL CH1B 3
A.I.C. RATING: 42,000 A
6,155 AVAILABLE A.I.C.

EXISTING LOAD	48 KVA	57.7 A 2
NEW LOAD	3.2 KVA	3.8 A
TOTAL LOAD	51.2 KVA	61.5 A

EXISTING PANEL CL1B 3
A.I.C. RATING: 10,000 A
2,912 AVAILABLE A.I.C.

EXISTING LOAD	22 KVA	61.1 A 2
NEW LOAD	2.8 KVA	7.8 A
TOTAL LOAD	24.8 KVA	68.9 A

CL1B

EXISTING DISTRIBUTION PANEL 'CHDP' 3
A.I.C. RATING: 42,000 A
17,157 AVAILABLE A.I.C.

EXISTING LOAD	65.4 KVA	78.7 A 2
NEW LOAD	0.8 KVA	0.96 A
TOTAL LOAD	66.2 KVA	79.66 A

EXISTING DISTRIBUTION PANEL 'CHDP'
400A MLO, 480Y/277V, 3P, 4W+G

1 2 3 4 5 6 7 8 — XXX/3 SPARE | XXX/3 SPARE | XXX/3 SPARE | XXX/3 SPARE | 100/3 | 100/3 | 175/3 | 175/3

3#4/0, 1#4 G, 2" C — 8' — EXISTING T-CL1G 112.5 KVA XFMR 480–208/120V 4.5%Z IMPEDENCE 3

3#3/0, 1#3/0 N, 1#3 G, 2" C — 15'

CL1G

EXISTING PANEL CL1G 3
A.I.C. RATING: 10,000 A
5,729 AVAILABLE A.I.C.

EXISTING LOAD	31 KVA	86 A 2
NEW LOAD	0.8 KVA	2.2 A
TOTAL LOAD	31.8 KVA	88.2 A

01 EXISTING EMERGENCY POWER ONE-LINE DIAGRAM
NO SCALE

8-14-07
DOA
ONLY HIGHLIGHTED REVISIONS APPROVED. ALL PREVIOUS COMMENTS APPLY.

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

AURORA BUILDING INSPECTION
ELECTRICAL SECTION
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SUBJECT TO COMMENTS AS NOTED AND FIELD INSPECTIONS

COLORADO REGISTERED 31031 PROFESSIONAL ENGINEER
12/5/07

Revisions

NO.	ISSUE	DATE
1	ADDENDUM #2	10/31/06
2	ASI #2	01/18/07
3	ASI #3	03/12/07
4	PR #6	07/24/07

Sheet Information

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Job Number	142228.000
Drawn	SG
Checked	SG
Approved	SG

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EXISTING EMERGENCY POWER ONE-LINE DIAGRAM

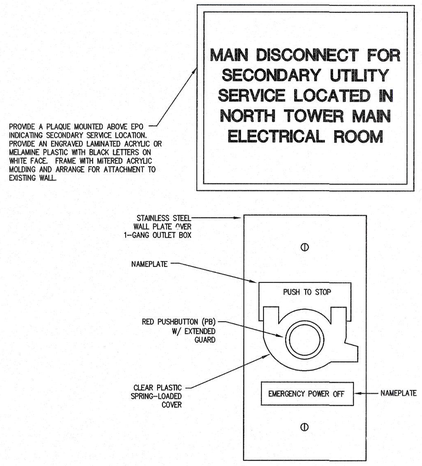
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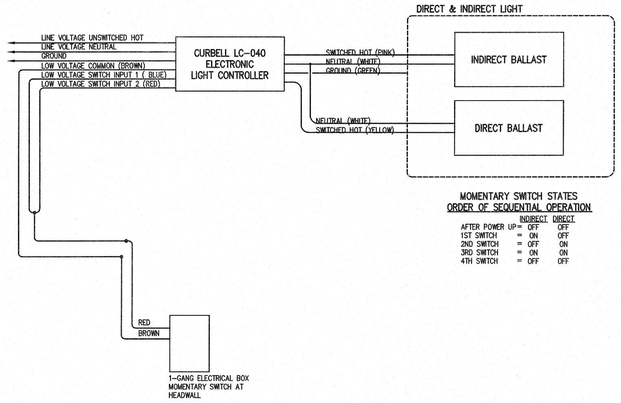
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Don Seeley, CCRD Partners
08/01/2007 - 12:49PM



1. THE EMERGENCY POWER OFF (EPO) PUSH BUTTON SHALL BE PROVIDED TO AUTOMATICALLY SHUT DOWN THE EQUIPMENT SERVED IN AN EMERGENCY CONDITION. THE EPO SHALL BE A WALL MOUNTED, PUSH-BUTTON OPERATED CONTROL STATION WITH STAINLESS STEEL WALL PLATE (SQ. D-K25). THE PUSH BUTTON SHALL BE MOMENTARY CONTACT WITH 1 N.O. CONTACT, RED, NON-ILLUMINATED, WITH EXTENDED GUARD (SQ. D-KR2RH5) AND APPROPRIATE CONTACT BLOCK. WHEN THE MOMENTARY CONTACT PUSH-BUTTON IS ACTIVATED THE REMOTE CIRCUIT BREAKER SHUNT TRIP SHALL BE ACTIVATED. THE CONTROL STATION SHALL BE PROVIDED WITH A CLEAR PLASTIC SPRING-LOADED COVER (SQ. D-K60) OVER THE PUSH BUTTON TO PRECLUDE ACCIDENTAL SHUTDOWN. THE CONTROL STATION SHALL BE LABELED (SQ. D-KN399) "EMERGENCY POWER OFF"; THE PUSH BUTTON LABELED "PUSH TO STOP". PROVIDE 120V POWER TO EPO WHERE CONTROL POWER IS NOT PROVIDE FROM EQUIPMENT.

01 EPO STATION PROTECTOR DETAIL
NO SCALE

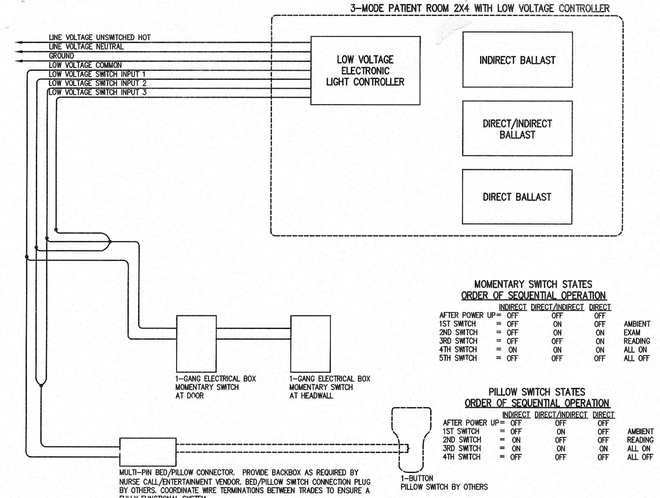




MOMENTARY SWITCH STATES
ORDER OF SEQUENTIAL OPERATION

	INDIRECT	DIRECT
AFTER POWER UP	= OFF	OFF
1ST SWITCH	= ON	OFF
2ND SWITCH	= OFF	ON
3RD SWITCH	= ON	ON
4TH SWITCH	= OFF	OFF

02 TYPICAL ICU ROOM LIGHTING CONTROL DIAGRAM
NO SCALE



MOMENTARY SWITCH STATES
ORDER OF SEQUENTIAL OPERATION

	INDIRECT	DIRECT/INDIRECT	DIRECT	
AFTER POWER UP	= OFF	OFF	OFF	
1ST SWITCH	= OFF	ON	OFF	AMBIENT
2ND SWITCH	= OFF	ON	ON	EXAM
3RD SWITCH	= ON	OFF	ON	READING
4TH SWITCH	= ON	ON	ON	ALL ON
5TH SWITCH	= OFF	OFF	OFF	ALL OFF

PILLOW SWITCH STATES
ORDER OF SEQUENTIAL OPERATION

	INDIRECT	DIRECT/INDIRECT	DIRECT	
AFTER POWER UP	= OFF	OFF	OFF	
1ST SWITCH	= OFF	ON	OFF	AMBIENT
2ND SWITCH	= ON	OFF	OFF	READING
3RD SWITCH	= ON	ON	ON	ALL ON
4TH SWITCH	= OFF	OFF	OFF	ALL OFF

03 TYPICAL PATIENT ROOM LIGHTING CONTROL DIAGRAM WITH SINGLE BUTTON CONTROL
NO SCALE

CITY OF AURORA
BUILDING DIVISION
APPROVED AS NOTED 8-14-07
DATE BY Approval only of Garage Attachment
APPROVED ALL
PREVIOUS COMMENTS APPLY.

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

AURORA BUILDING INSPECTION
ELECTRICAL SECTION
APPROVED
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AND PERMIT RECORDS

COLORADO LICENSED
31031
PROFESSIONAL ENGINEER
12/2/07

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ELECTRICAL DETAILS

Sheet

E-7001

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Dan Seeley, CCRD Partners 06/01/2007 - 12:52PM

PANEL: 1NHA — NORMAL

LOCATION: CORR. 1062 | MAIN BUS: 100A | MCB: N/A | VOLTAGE: 480/277 | AIC: 10,000A
FED FROM: 1DPNH | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Recessed | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	LTG. LAB RM. 1097	1700	20	1	A	20	1	800	LTG. RM'S 1018-1022	2
3	LTG. LAB RM. 1097	3800	20	1	B	20	1	–	SPARE	4
5	LTG. RM'S 1135-1146A	–	20	1	C	20	1	–	SPARE	6
7	AIR COMPRESSOR	2106	15	3	A	20	1	–	SPARE	8
9	–	2106			B	20	1	–	SPARE	10
11	–	2106			C	20	1	–	SPARE	12
13	SPARE	–	20	1	A	20	1	–	SPARE	14
15	SPARE	–	20	1	B	20	1	–	SPARE	16
17	SPARE	–	20	1	C	20	1	–	SPARE	18
19	SPARE	–	20	1	A	20	1	–	SPARE	20
21	SPARE	–	20	1	B	20	1	–	SPARE	22
23	SPARE	–	20	1	C	20	1	–	SPARE	24
25	SPARE	–	20	1	A	20	1	–	SPARE	26
27	SPARE	–	20	1	B	20	1	–	SPARE	28
29	SPARE	–	20	1	C	20	1	–	SPARE	30
31	SPARE	–	20	1	A	20	1	–	SPARE	32
33	SPARE	–	20	1	B	20	1	–	SPARE	34
35	SPARE	–	20	1	C	20	1	–	SPARE	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

"1NHA" LOAD SUMMARY

	LTS	RCPTS	MTRS	HSP/IL	MISC	TOTAL (kVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	0.0	6.3	6.3	0.0	12.6	15.2
DEMAND FACTOR	SEE DEMAND FACTOR TABLE						
TOTAL DEMAND LOAD	0.0	0.0	7.5	2.4	0.0	9.9	11.9
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	0.0	7.5	2.4	0.0	9.9	11.9

PANEL: 1NLA — NORMAL

LOCATION: CORR. 1062 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
FED FROM: 1DPNL | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Recessed | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	RCPT'S RM 1042	1080	20	1	A	20	1	1000	RCPT'S (2) PRINTERS RM. 1078	2
3	RCPT'S RM. 1046	1080	20	1	B	20	1	1000	RCPT. TREADMILL RM. 1067	4
5	RCPT'S. RM. 1043	1080	20	1	C	20	1	1080	RCPT'S RM 1078	6
7	RCPT'S. RM. 1044	900	20	1	A	20	1	900	RCPT'S RM 1079	8
9	RCPT'S. RM. 1045	900	20	1	B	20	1	1080	RCPT'S. RM'S. 1080-1081	10
11	RCPT'S RM 1047	720	20	1	C	20	1	1200	RCPT'S MICRO RM 1085	12
13	RCPT'S RM 1046	1080	20	1	A	20	1	1200	RCPT'S COFFEE RM 1085	14
15	RCPT. RM. 1064	720	20	1	B	20	1	1080	RCPT'S. RM'S. 1085-1087	16
17	RCPT'S. RM.1065	720	20	1	C	20	1	720	RCPT'S. RM'S. 1088-1089	18
19	RCPT'S. RM'S. 1066-1067	1440	20	1	A	20	1	540	RCPT'S. RM'S. 1091-1092	20
21	J-BOX FIRE PLACE RM. 1068	200	20	1	B	20	1	360	RCPT'S RM 1091	22
23	RCPT'S. RM'S. 1068	1080	20	1	C	20	1	1260	RCPT'S. RM'S. 1063-1093	24
25	RCPT'S. RM'S. 1069	1080	20	1	A	20	1	1200	RCPT MICRO.RM. 1040	26
27	RCPT'S RM 1074	1080	20	1	B	20	1	900	RCPT'S RM 1040	28
29	RCPT'S. RM'S. 1076-1077	720	20	1	C	20	1	900	RCPT'S RM. 1039	30
31	RCPT. FAX RM. 1077	500	20	1	A	20	1	540	RCPT'S RM. 1049	32
33	RCPT. TREADMILL RM. 1066	1000	20	1	B	20	1	1000	RCPT. COPIER RM. 1049	34
35	RCPT'S RM 1077	1260	20	1	C	20	1	1260	RCPT'S RM. 1037	36
37	RCPT. CAPP. MACH. RM. 1002	2880	30	1	A	20	1	540	RCPT'S RM. 1089	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

PANEL: 1NLA (SECTION 2) — NORMAL

LOCATION: CORR. 1062 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Recessed | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
43	RCPT'S RM'S 1050-1051	1080	20	1	A	20	1	–	RCPT'S RM. 1047	44
45	RCPT'S RM 1052	1080	20	1	B	20	1	720	RCPT'S. RM'S. 1072-1073	46
47	RCPT'S RM 1053	900	20	1	C	20	1	1000	RCPT'S. PRIN'S 1031-10342	48
49	RCPT'S RM 1054	900	20	1	A	20	1	720	RCPT'S. RM'S. 1024-1028	50
51	RCPT'S FAX CORR.1057	500	20	1	B	20	1	900	RCPT'S RM 1023	52
53	RCPT'S RM 1055	1260	20	1	C	20	1	720	RCPT'S RM 1026	54
55	RCPT'S CORR. 1058-+LAB	900	20	1	A	20	1	1080	RCPT'S RM 1025	56
57	RCPT'S RM 1036	540	20	1	B	20	1	540	RCPT'S RM 1003	58
59	RCPT'S F.P.C. RM 1036	1000	20	1	C	20	1	1080	RCPT'S ELEV. LOBBY	60
61	RCPT'S RM 1035	900	20	1	A	20	1	720	RCPT'S ELEV. LOBBY	62
63	RCPT COPIER 1035	1500	20	1	B	20	1	180	RCPT. SCALE RM. 1057	64
65	RCPT'S RM 1035	360	20	1	C	20	1	200	RCPT'S RM. 1002	66
67	J-BOX CCTV CAMERA	200	20	1	A	20	1	200	RCPT'S RM. 1002	68
69	RCPT'S RM. 1022A	540	20	1	B	20	1	400	RCPT'S FOR LTG DISP.RM. 1002	70
71	SPARE	–	20	1	C	20	1	200	RCPT'S RM. 1002	72
73	UH-06-2 5KW	2500	35	2	A	20	1	100	LTG. FIRE PLACE	74
75	–	2500	–	–	B	20	1	1200	RCPT'S MICRO RM 1022A	76
77	SPARE	–	20	1	C	20	1	1200	RCPT'S COFFEE RM 1022A	78
79	SPARE	–	20	1	A	20	1	–	SPARE	80
81	SPARE	–	20	1	B	20	1	–	SPARE	82
83	SPARE	–	20	1	C	20	1	–	SPARE	84

NOTES:

"1NLA" LOAD SUMMARY

	LTS	RCPTS	HSP/IL	HEAT	MISC	TOTAL (kVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.4	6.0	53.7	5.0	0.0	65.1	180.7
DEMAND FACTOR	SEE DEMAND FACTOR TABLE						
TOTAL DEMAND LOAD	0.0	6.0	20.8	5.0	0.0	31.8	88.3
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	6.0	20.8	5.0	0.0	31.8	88.3

PANEL: 1CRH — CRITICAL

LOCATION: ELEC. CLOSET 1090A | MAIN BUS: 100A | MCB: N/A | VOLTAGE: 480/277 | AIC: 10,000A
FED FROM: 1DPCRH | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	LTG. RM'S 1133A–1138	2400	20	1	A	20	1	1500	LTG. RM'S 1039–1055	2
3	LTG. RM'S 1005–1009	1060	20	1	B	20	1	3500	LTG. LAB RM. 1097	4
5	LTG. RM'S 1067–1090A	2400	20	1	C	20	1	600	LTG. RM'S 1018–1022	6
7	SPARE	–	20	1	A	20	1	–	SPARE	8
9	SPARE	–	20	1	B	20	1	–	SPARE	10
11	SPARE	–	20	1	C	20	1	–	SPARE	12
13	SPARE	–	20	1	A	20	1	–	SPARE	14
15	SPARE	–	20	1	B	20	1	–	SPARE	16
17	SPARE	–	20	1	C	20	1	–	SPARE	18
19	SPARE	–	20	1	A	20	1	–	SPARE	20
21	SPARE	–	20	1	B	20	1	–	SPARE	22
23	SPARE	–	20	1	C	20	1	–	SPARE	24
25	SPARE	–	20	1	A	20	1	–	SPARE	26
27	SPARE	–	20	1	B	20	1	–	SPARE	28
29	SPARE	–	20	1	C	20	1	–	SPARE	30
31	SPARE	–	20	1	A	20	1	–	SPARE	32
33	SPARE	–	20	1	B	20	1	–	SPARE	34
35	SPARE	–	20	1	C	20	1	–	SPARE	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

"1CRH" LOAD SUMMARY

	LTS	RCPTS	MTRS	HSP/IL	HEAT	MISC	TOTAL (kVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	0.0	0.0	11.5	0.0	0.0	11.5	13.8
DEMAND FACTOR	SEE DEMAND FACTOR TABLE							
TOTAL DEMAND LOAD	0.0	0.0	0.0	4.4	0.0	0.0	4.4	5.3
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	0.0	0.0	4.4	0.0	0.0	4.4	5.3

PANEL: 1CRLA — CRITICAL

LOCATION: ELEC. CLOSET 1090A | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
FED FROM: 2DPCRL | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	RCPT'S RM 1042	540	20	1	A	20	1	1000	RCPT'S (2) UCREFG.RM. 1085	2
3	J-BOX AUTO DOOR 1ST FL.	400	20	1	B	20	1	1560	RCPT'S ICE MAKER RM. 1085	4
5	SPARE	–	20	1	C	20	1	360	RCPT'S RM. 1087–1088	6
7	SPARE	–	20	1	A	20	1	1400	RCPT'S RM. 1089	8
9	J-BOX CCTV CAMERA	200	20	1	B	20	1	720	RCPT'S RM. 1090	10
11	RCPT'S + PROX. RM. 1065	540	20	1	C	20	1	720	RCPT'S RM. 1090	12
13	SPARE	–	20	1	A	20	1	720	RCPT'S RM. 1090	14
15	RCPT'S RM. 1066	360	20	1	B	20	1	540	RCPT'S RM. 1091	16
17	RCPT'S RM'S. 1066–1067	720	20	1	C	20	1	200	RCPT PROX CAB RM. 1091	18
19	J-BOX CCTV CAMERA	200	20	1	A	20	1	360	RCPT'S+ PROX CAB RM. 1091	20
21	RCPT'S RM'S. 1074–1078	900	20	1	B	20	1	1800	RCPT REFG.RM. 1040	22
23	RCPT'S PRIN'S 1033–1034	1000	20	1	C	20	1	540	RCPT'S RM. 1039	24
25	SPARE	–	20	1	A	20	1	540	RCPT'S RM. 1049	26
27	RCPT'S RM. 1079	900	20	1	B	20	1	360	RCPT'S RM'S 1050–1051	28
29	SPARE	–	20	1	C	20	1	360	RCPT'S RM 1055	30
31	RCPT'S + CR. CART RM. 1080	380	20	1	A	20	1	720	RCPT'S RM 1036	32
33	RCPT'S WARM CAB.RM. 1079	800	20	1	B	20	1	720	RCPT'S FTR.+C.C.M. 1035 AREA	34
35	SPARE	–	20	1	C	20	1	540	RCPT'S RM. 1089	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

PANEL: 1CRLA (SECTION 2) — CRITICAL

LOCATION: ELEC. CLOSET 1090A | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
43	ROOF RCPT	360	20	1	A	20	1	360	RCPT'S RM 1025	44
45	SPARE	–	20	1	B	20	1	360	RCPT'S RM 1003	46
47	RCPT'S RM'S 1030–1032	540	20	1	C	20	1	1200	RCPT. DISPLAY REF. RM. 1002	48
49	J-BOX CCTV CAMERA	200	20	1	A	20	1	1000	RCPT. UCR RM. 1002	50
51	ROOF RCPT	360	20	1	B	20	1	180	RCPT. CASH REG. RM. 1002	52
53	LTG. RM. 1089	100	20	1	C	20	1	1080	COMM RM RCPT	54
55	COMM RM RCPT	720	20	1	A	20	1	360	COMM RM RCPT	56
57	COMM RM RCPT	720	20	1	B	20	1	360	COMM RM RCPT	58
59	RCPT'S RM. 1022A	540	20	1	C	20	1	360	COMM RM RCPT	60
61	RCPT'S RM. 1022A	540	20	1	A	20	1	–	SPARE	62
63	RCPT'S RM. 1022A	720	20	1	B	20	1	–	SPARE	64
65	RCPT'S RM. 1022A	360	20	1	C	20	1	–	SPARE	66
67	SPARE	–	20	1	A	20	1	–	SPARE	68
69	SPARE	–	20	1	B	20	1	–	SPARE	70
71	SPARE	–	20	1	C	20	1	–	SPARE	72
73	SPARE	–	20	1	A	20	1	–	SPARE	74
75	SPARE	–	20	1	B	20	1	–	SPARE	76
77	SPARE	–	20	1	C	20	1	–	SPARE	78
79	SPARE	–	20	1	A	20	1	–	SPARE	80
81	SPARE	–	20	1	B	20	1	–	SPARE	82
83	SPARE	–	20	1	C	20	1	–	SPARE	84

NOTES:

"1CRLA" LOAD SUMMARY

	LTS	RCPTS	HSP/IL	MISC	TOTAL (kVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	5.1	24.0	1.2	30.5	84.7
DEMAND FACTOR	SEE DEMAND FACTOR TABLE					
TOTAL DEMAND LOAD	0.0	5.0	9.6	1.0	15.6	43.3
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	5.0	9.6	1.0	15.6	43.3

PANEL: 1CRLB — CRITICAL

LOCATION: MAIN ELEC. 1133 | MAIN BUS: 100A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
FED FROM: 2DPCRL | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	RCPT'S RM'S. 1133–1134	540	20	1	A	20	1	1800	RCPT. REFG. RM. 1137	2
3	RCPT'S RM'S. 1133A–1133B	720	20	1	B	20	1	1032	RCPT. UC REFRIG. RM. 1138	4
5	RCPT'S RM. 1135	720	20	1	C	20	1	–	SPARE	6
7	RCPT'S RM'S 1144–1145	540	20	1	A	20	1	–	SPARE	8
9	RCPT'S RM'S 1141–1143	540	20	1	B	20	1	–	SPARE	10
11	RCPT'S RM. 1137	360	20	1	C	20	1	–	SPARE	12
13	SPARE	–	20	1	A	20	1	–	SPARE	14
15	SPARE	–	20	1	B	20	1	–	SPARE	16
17	SPARE	–	20	1	C	20	1	–	SPARE	18
19	SPARE	–	20	1	A	20	1	–	SPARE	20
21	SPARE	–	20	1	B	20	1	–	SPARE	22
23	SPARE	–	20	1	C	20	1	–	SPARE	24
25	SPARE	–	20	1	A	20	1	–	SPARE	26
27	SPARE	–	20	1	B	20	1	–	SPARE	28
29	SPARE	–	20	1	C	20	1	–	SPARE	30
31	SPARE	–	20	1	A	20	1	–	SPARE	32
33	SPARE	–	20	1	B	20	1	–	SPARE	34
35	SPARE	–	20	1	C	20	1	–	SPARE	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

"1CRLB" LOAD SUMMARY

	LTS	RCPTS	MTRS	HSP/IL	HEAT	MISC	TOTAL (kVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	0.0	0.0	6.3	0.0	0.0	6.3	17.4
DEMAND FACTOR	SEE DEMAND FACTOR TABLE							
TOTAL DEMAND LOAD	0.0	0.0	0.0	2.4	0.0	0.0	2.4	6.7
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	0.0	0.0	2.4	0.0	0.0	2.4	6.7

PANEL: 1NHB — NORMAL

LOCATION: MAIN ELEC. 1134 | MAIN BUS: 100A | MCB: N/A | VOLTAGE: 480/277 | AIC: 65,000A
FED FROM: 1DPNH | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	SITE LIGHTING	1070	20	1	A	20	1	1500	SITE LIGHTING	2
3	SITE LIGHTING	2700	20	1	B	20	1	2250	SITE LIGHTING	4
5	LTG. RM'S 1135–1146A	3100	20	1	C	20	1	2300	LTG. LOBBY AREA	6
7	LTG. RM'S 1005–1010	1380	20	1	A	20	1	2800	LTG. ELEV. LOBBY AREA	8
9	LTG. RM'S 1024–1064	4000	20	1	B	20	1	2400	EXTERIOR CANOPY LTG.	10
11	SPARE	–	20	1	C	20	1	–	SPARE	12
13	SPARE	–	20	1	A	20	1	–	SPARE	14
15	SPARE	–	20	1	B	20	1	–	SPARE	16
17	SPARE	–	20	1	C	20	1	–	SPARE	18
19	SPARE	–	20	1	A	20	1	–	SPARE	20
21	SPARE	–	20	1	B	20	1	–	SPARE	22
23	SPARE	–	20	1	C	20	1	–	SPARE	24
25	SPARE	–	20	1	A	20	1	–	SPARE	26
27	SPARE	–	20	1	B	20	1	–	SPARE	28
29	SPARE	–	20	1	C	20	1	–	SPARE	30
31	SPARE	–	20	1	A	20	1	–	SPARE	32
33	SPARE	–	20	1	B	20	1	–	SPARE	34
35	SPARE	–	20	1	C	20	1	–	SPARE	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	PANEL 'PZ1'	500	20	2	B	20	2	500	PANEL 'PZ2'	40
41	–	500	–	–	C	–	–	500	–	42

NOTES:

"1NHB" LOAD SUMMARY

	LTS	RCPTS	MTRS	HSP/IL	HEAT	MISC	TOTAL (kVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	0.0	0.0	26.3	0.0	0.0	26.3	31.6
DEMAND FACTOR	SEE DEMAND FACTOR TABLE							
TOTAL DEMAND LOAD	0.0	0.0	0.0	10.4	0.0	0.0	10.4	12.5
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	0.0	0.0	10.4	0.0	0.0	10.4	12.5

PANEL: 1NLB — NORMAL

LOCATION: MAIN ELEC. 1134 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
FED FROM: 1DPNL | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	RCPT'S RM'S. 1133A–1133B	540	20	1	A	20	1	900	RCPT'S RM. 1142	2
3	RCPT'S RM. 1146B	1080	20	1	B	20	1	900	RCPT'S RM. 1143	4
5	RCPT'S RM. 1135	540	20	1	C	20	1	720	RCPT'S RM. 1141	6
7	RCPT'S RM. 1135	1080	20	1	A	20	1	1000	IRRIGATION CONTROLLER	8
9	EXTERIOR RCPT'S	360	20	1	B	20	1	540	RCPT'S RM. 1137	10
11	RCPT'S RM. 1138	1260	20	1	C	20	1	360	RCPT'S. PLANTER AREA	12
13	RCPT'S RM. 1138	360	20	1	A	20	1	1200	RCPT'S COPIER RM.1137	14
15	RCPT'S RM. 1136	900	20	1	B	20	1	1200	RCPT. MICRO. RM. 1137	16
17	RCPT'S RM. 1144	720	20	1	C	20	1	1200	RCPT. COFFEE RM. 1137	18
19	RCPT'S RM. 1145	720	20	1	A	20	1	180	RCPT. RM. 1137	20
21	EXTERIOR RCPT'S	360	20	1	B	20	1	360	RCPT. RM. 1137	22
23	EXTERIOR RCPT'S	360	20	1	C	20	1	400	FLOOR BOX RM. 1138	24
25	TREE LIGHTING	900	20	1	A	20	1	500	MOTORIZED PROJ. RM. 1138	26
27	TREE LIGHTING	600	20	1	B	20	1	500	AHU LIGHTS	28
29	TREE LIGHTING	900	20	1	C	20	1	500	AHU CONTROLS	30
31	UH-06-9 5KW	2500	35	2	A	35	2	2500	UH-06-11 5KW	32
33	–	2500	–	–	B	–	–	2500	–	34
35	UH-06-10 5KW	2500	35	2	C	20	1	500	LOBBY LTG 1003	36
37	–	2500	–	–	A	20	1	500	LOBBY LTG 1003	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41

PANEL: 2NH — NORMAL

LOCATION: ELEC. 2094 | MAIN BUS: 100A | MCB: N/A | VOLTAGE: 480/277 | AIC: 14,000A
FED FROM: 1DPNH | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	LTG. RM'S 2029-2094	4010	20	1	A	20	1	–	SPARE	2
3	LTG. RM'S 2076-2109	2800	20	1	B	20	1	–	SPARE	4
5	LTG. PAT. RM'S 2046-2068	2280	20	1	C	20	1	–	SPARE	6
7	LTG. PAT. RM'S 2002-2025	2280	20	1	A	20	1	–	SPARE	8
9	SPARE	–	20	1	B	20	1	–	SPARE	10
11	SPARE	–	20	1	C	20	1	–	SPARE	12
13	SPARE	–	20	1	A	20	1	–	SPARE	14
15	SPARE	–	20	1	B	20	1	–	SPARE	16
17	SPARE	–	20	1	C	20	1	–	SPARE	18
19	SPARE	–	20	1	A	20	1	–	SPARE	20
21	SPARE	–	20	1	B	20	1	–	SPARE	22
23	SPARE	–	20	1	C	20	1	–	SPARE	24
25	SPARE	–	20	1	A	20	1	–	SPARE	26
27	SPARE	–	20	1	B	20	1	–	SPARE	28
29	SPARE	–	20	1	C	20	1	–	SPARE	30
31	SPARE	–	20	1	A	20	1	–	SPARE	32
33	SPARE	–	20	1	B	20	1	–	SPARE	34
35	SPARE	–	20	1	C	20	1	–	SPARE	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

"2NH" LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	0.0	0.0	11.4	0.0	0.0	11.4	13.7
DEMAND FACTOR				SEE DEMAND FACTOR TABLE				
TOTAL DEMAND LOAD	0.0	0.0	0.0	4.4	0.0	0.0	4.4	5.3
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	0.0	0.0	4.4	0.0	0.0	4.4	5.3

PANEL: 2NLA — NORMAL

LOCATION: ELEC. 2094 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
FED FROM: 1DPNL | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	RCPT'S RM. 2503З	900	20	1	A	20	1	900	J-BOX PAT. RM 2021	2
3	FLOOR BOX RM 2033	400	20	1	B	20	1	1080	J-BOX PAT. RM 2021	4
5	RCPT'S RM. 2042A	540	20	1	C	20	1	900	J-BOX PAT. RM 2018	6
7	J-BOX FIREPLACE RM. 5029	200	20	1	A	20	1	1080	J-BOX PAT. RM 2018	8
9	RCPT'S RM. 2042	720	20	1	B	20	1	900	J-BOX PAT. RM 2017	10
11	RCPT'S RM. 2031-2044	1260	20	1	C	20	1	1080	J-BOX PAT. RM 2017	12
13	J-BOX EWC	500	20	1	A	20	1	900	J-BOX PAT. RM 2014	14
15	RCPT. COFFEE RM. 2030	1200	20	1	B	20	1	1080	J-BOX PAT. RM 2014	16
17	RCPT. RM. 2030	500	20	1	C	20	1	900	J-BOX PAT. RM 2013	18
19	RCPT. VENDING. RM. 2030	800	20	1	A	20	1	1080	J-BOX PAT. RM 2013	20
21	RCPT. VENDING. RM. 2030	800	20	1	B	20	1	900	J-BOX PAT. RM 2010	22
23	RCPT'S RM. 2029	720	20	1	C	20	1	1080	J-BOX PAT. RM 2010	24
25	RCPT'S RM. 2029	720	20	1	A	20	1	900	J-BOX PAT. RM 2009	26
27	SPARE	–	20	1	B	20	1	1080	J-BOX PAT. RM 2009	28
29	J-BOX H.C. PAT. RM 2025	1080	20	1	C	20	1	900	J-BOX PAT. RM 2006	30
31	J-BOX H.C. PAT. RM 2025	900	20	1	A	20	1	1080	J-BOX PAT. RM 2006	32
33	J-BOX PAT. RM 2022	1080	20	1	B	20	1	900	J-BOX PAT. RM 2005	34
35	J-BOX PAT. RM 2022	900	20	1	C	20	1	1080	J-BOX PAT. RM 2005	36
37	PLUGMOLD RM. 2026	1476	20	1	A	20	1	900	J-BOX PAT. RM 2002	38
39	PLUGMOLD RM. 2026	1476	20	1	B	20	1	1080	J-BOX PAT. RM 2002	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

PANEL: 2NLA (SECTION 2) — NORMAL

LOCATION: ELEC. 2094 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
43	J-BOX H.C. PAT. RM 2046	1080	20	1	A	20	1	900	J-BOX PAT. RM 2064	44
45	J-BOX H.C. PAT. RM 2046	900	20	1	B	20	1	1080	J-BOX PAT. RM 2064	46
47	J-BOX PAT. RM 2048	1080	20	1	C	20	1	900	J-BOX PAT. RM 2065	48
49	J-BOX PAT. RM 2048	900	20	1	A	20	1	1080	J-BOX PAT. RM 2065	50
51	J-BOX PAT. RM 2049	1080	20	1	B	20	1	900	J-BOX PAT. RM 2068	52
53	J-BOX PAT. RM 2049	900	20	1	C	20	1	360	J-BOX PAT. RM 2068	54
55	J-BOX PAT. RM 2052	1080	20	1	A	20	1	720	RCPT'S RM 2109	56
57	J-BOX PAT. RM 2052	900	20	1	B	20	1	900	RCPT'S RM 2108	58
59	J-BOX PAT. RM 2053	1080	20	1	C	20	1	720	RCPT'S RM 2111	60
61	J-BOX PAT. RM 2053	900	20	1	A	20	1	400	RCPT'S RM 2106	62
63	J-BOX PAT. RM 2056	1080	20	1	B	20	1	1000	RCPT. SHREDER RM. 2105	64
65	J-BOX PAT. RM 2056	900	20	1	C	20	1	1000	RCPT. COPIER RM. 2105	66
67	J-BOX PAT. RM 2057	1080	20	1	A	20	1	1000	RCPT. FAX +PRINTER RM. 2105	68
69	J-BOX PAT. RM 2057	900	20	1	B	20	1	720	SPARE	70
71	J-BOX PAT. RM 2060	1080	20	1	C	20	1	720	RCPT'S RM 2103	72
73	J-BOX PAT. RM 2060	900	20	1	A	20	1	360	RCPTS. RM. 2103-2104	74
75	J-BOX PAT. RM 2061	1080	20	1	B	20	1	1080	RCPTS. RM. 2104	76
77	J-BOX PAT. RM 2061	900	20	1	C	20	1	–	RCPT'S. RM. 2097-2099	78
79	SPARE	–	20	1	A	20	1	–	SPARE	80
81	SPARE	–	20	1	B	20	1	–	SPARE	82
83	SPARE	–	20	1	C	20	1	–	SPARE	84

NOTES:

PANEL: 2NLA (SECTION 3) — NORMAL

LOCATION: ELEC. 2094 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
85	RCPT. MICRO. RM. 2099	1200	20	1	A	20	1	720	RCPTS. RM. 2081	86
87	RCPT. COFFEE. RM. 2099	1200	20	1	B	20	1	1000	RCPT. PRINTER RM. 2081	88
89	RCPTS. RM. 2094	360	20	1	C	20	1	500	RCPT'S. SHREDER RM. 2181	90
91	RCPTS. RM. 2091	1080	20	1	A	20	1	–	SPARE	92
93	RCPTS. RM. 2087	900	20	1	B	20	1	1200	RCPT. COFFEE RM. 2082	94
95	RCPT. RM. 4089	540	20	1	C	20	1	1200	RCPT. MICRO. RM. 2082	96
97	PLUG MOLD RM. 2084	504	20	1	A	20	1	1080	RCPT'S RM. 2076	98
99	RCPTS. RM. 2084	720	20	1	B	20	1	900	RCPT'S RM'S. 2001-2073	100
101	RCPT'S. RM. 2083	900	20	1	C	20	1	1200	RCPT. COFFEE RM. 2071	102
103	RCPTS. CORR. 2044A	1080	20	1	A	20	1	1200	RCPT. MICRO. RM. 2071	104
105	LTG. SCONCE 2ND FL. CORR.	700	20	1	B	20	1	500	RCPT. RM. 2071	106
107	RCPTS. RM'S. 2072-2073	720	20	1	C	20	1	–	SPARE	108
109	SPARE	–	20	1	A	20	1	–	SPARE	110
111	SPARE	–	20	1	B	20	1	–	SPARE	112
113	SPARE	–	20	1	C	20	1	–	SPARE	114
115	SPARE	–	20	1	A	20	1	–	SPARE	116
117	SPARE	–	20	1	B	20	1	–	SPARE	118
119	SPARE	–	20	1	C	20	1	–	SPARE	120
121	SPARE	–	20	1	A	20	1	–	SPARE	122
123	SPARE	–	20	1	B	20	1	–	SPARE	124
125	SPARE	–	20	1	C	20	1	–	SPARE	126

NOTES:

"2NLA" LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	8.4	0.0	78.6	0.0	0.0	87.0	241.6
DEMAND FACTOR				SEE DEMAND FACTOR TABLE				
TOTAL DEMAND LOAD	0.0	8.0	0.0	25.8	0.0	0.0	33.8	93.8
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	8.0	0.0	25.8	0.0	0.0	33.8	93.8

PANEL: 2CRH — CRITICAL

LOCATION: ELEC. 2094 | MAIN BUS: 100A | MCB: N/A | VOLTAGE: 480/277 | AIC: 14,000A
FED FROM: 1DPCRH | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	LTG. RM'S 2029-2109	3116	20	1	A	20	1	3442	LTG. PAT. RM'S	2
3	LTG. PAT. RM'S 2046-2060	3442	20	1	B	20	1	–	SPARE	4
5	LTG. PAT. RM'S 2010-2025	3442	20	1	C	20	1	–	SPARE	6
7	SPARE	–	20	1	A	20	1	–	SPARE	8
9	SPARE	–	20	1	B	20	1	–	SPARE	10
11	SPARE	–	20	1	C	20	1	–	SPARE	12
13	SPARE	–	20	1	A	20	1	–	SPARE	14
15	SPARE	–	20	1	B	20	1	–	SPARE	16
17	SPARE	–	20	1	C	20	1	–	SPARE	18
19	SPARE	–	20	1	A	20	1	–	SPARE	20
21	SPARE	–	20	1	B	20	1	–	SPARE	22
23	SPARE	–	20	1	C	20	1	–	SPARE	24
25	SPARE	–	20	1	A	20	1	–	SPARE	26
27	SPARE	–	20	1	B	20	1	–	SPARE	28
29	SPARE	–	20	1	C	20	1	–	SPARE	30
31	SPARE	–	20	1	A	20	1	–	SPARE	32
33	SPARE	–	20	1	B	20	1	–	SPARE	34
35	SPARE	–	20	1	C	20	1	–	SPARE	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

"2CRH" LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	0.0	0.0	13.4	0.0	0.0	13.4	16.2
DEMAND FACTOR				SEE DEMAND FACTOR TABLE				
TOTAL DEMAND LOAD	0.0	0.0	0.0	5.2	0.0	0.0	5.2	6.3
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	0.0	0.0	5.2	0.0	0.0	5.2	6.3

PANEL: 2CRLA — CRITICAL

LOCATION: ELEC. 2094 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
FED FROM: 2DPCRL | WIRES: 4W + G + IG | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	SPARE	–	20	1	A	20	1	720	J-BOX PAT. RM 2053	2
3	SPARE	–	20	1	B	20	1	1500	J-BOX PAT. RM.S 2053-2056	4
5	RCPT'S RM. 2042	360	20	1	C	20	1	720	J-BOX PAT. RM 2057	6
7	J-BOX PAT. RM. 2022	720	20	1	A	20	1	1500	J-BOX PAT. RM.S 2057-2060	8
9	JB H.C. PAT. RM.S 2022-2025	1500	20	1	B	20	1	720	J-BOX PAT. RM.S 2061	10
11	J-BOX PAT. RM 2018	720	20	1	C	20	1	1500	J-BOX PAT. RM.S 2061-2064	12
13	J-BOX PAT. RM.S 2021-2018	1500	20	1	A	20	1	720	J-BOX PAT. RM 2068	14
15	J-BOX PAT. RM 2014	720	20	1	B	20	1	1500	J-BOX PAT. RM.S 2065-2068	16
17	J-BOX PAT. RM.S 2014-2017	1500	20	1	C	20	1	720	RCPT'S RM 2109	18
19	J-BOX PAT. RM 2010	720	20	1	A	20	1	720	RCPT'S RM 2106	20
21	J-BOX PAT. RM.S 2010-2013	1500	20	1	B	20	1	1080	RCPTS. RM. 2103-2104	22
23	J-BOX PAT. RM 2006	720	20	1	C	20	1	–	SPARE	24
25	J-BOX PAT. RM.S 2006-2009	1500	20	1	A	20	1	1200	RECPT. MED. RM. 2097	26
27	J-BOX PAT. RM 2002	720	20	1	B	20	1	1200	RECPT. MED. RM. 2097	28
29	J-BOX PAT. RM.S 2005-2002	1500	20	1	C	20	1	1200	RECPT. MED. RM. 2097	30
31	JB H.C. PAT. RM 2046	720	20	1	A	20	1	1800	RCPT. REFRI. RM. 2099	32
33	JB H.C. PAT. RM.S 2046-2048	1500	20	1	B	20	1	1800	RCPT. ICE MAK. RM. 2099	34
35	J-BOX PAT. RM.S 2049	720	20	1	C	20	1	960	RCPT. REFR. RM. 2097	36
37	J-BOX PAT. RM.S 2049-2052	1500	20	1	A	20	1	500	RCPT. SCANER RM. 2096	38
39	J-BOX AHU-06-2 LTS	300	20	1	B	20	1	–	SPARE	40
41	SPARE	–	20	1	C	20	1	–	SPARE	42

NOTES:

PANEL: 2CRLA (SECTION 2) — CRITICAL

LOCATION: ELEC. 2094 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
WIRES: 4W + G + IG | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
43	RCPT. COVE 2102A-2093	540	20	1	A	20	1	300	J-BOX PTS RM. 2083	44
45	RCPTS. RM. 2094	360	20	1	B	20	1	540	RCPTS. RM. 2081	46
47	RCPTS. I.S. RM. 2095	720	20	1	C	20	1	1800	RCPT. ICE MAK. RM. 2082	48
49	RCPTS. I.S. RM. 2095	720	20	1	A	20	1	1800	RCPT. REFRI. RM. 2082	50
51	RCPTS. I.S. RM. 2095	720	20	1	B	20	1	960	RCP. REFR. RM. 2076	52
53	RCPTS. I.S. RM. 2095	360	20	1	C	20	1	1200	RECPT. MED. RM. 2076	54
55	PLUGMOLD RM. 2069	1188	20	1	A	20	1	1200	RECPT. MED. RM. 2076	56
57	RCPT. RM. 2087	180	20	1	B	20	1	1200	RECPT. MED. RM. 2076	58
59	RCPTS. RM. 2084	720	20	1	C	20	1	500	RCPT. SCANER RM. 2075	60
61	RCPTS. RM. 2084	360	20	1	A	20	1	180	RCPT. ANTE RM. 2001	62
63	J-BOX RM'S 2034-2036	400	20	1	B	20	1	1800	RCPT. REFRI. RM. 2071	64
65	RCPT'S RM'S 2034-2036	400	20	1	C	20	1	720	J.B. H.C. PAT. RM. 2025	66
67	J.B. PAT. RM 2048	720	20	1	A	20	1	720	J-BOX PAT. RM 2021	68
69	J.B. PAT. RM 2052	720	20	1	B	20	1	720	J-BOX PAT. RM 2017	70
71	J.B. PAT. RM 2056	720	20	1	C	20	1	720	J-BOX PAT. RM 2013	72
73	J.B. PAT. RM 2060	720	20	1	A	20	1	720	J-BOX PAT. RM 2009	74
75	J.B. PAT. RM 2064	720	20	1	B	20	1	720	J-BOX PAT. RM 2005	76
77	J.B. PAT. RM 2068	720	20	1	C	20	1	360	RCPT'S RM. 2042A	78
79	RCPTS. I.S. RM 2095	360	20	1	A	20	1	–	SPARE	80
81	J-BOX AHU-06-1 LTS	–	20	1	B	20	1	–	SPARE	82
83	SPARE	–	20	1	C	20	1	–	SPARE	84

NOTES:

PANEL: 2CRLA (SECTION 3) — CRITICAL

LOCATION: ELEC. 2094 | MAIN BUS: 225A | MCB: N/A | VOLTAGE: 208/120 | AIC: 10,000A
WIRES: 4W + G + IG | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Lugs Only
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: Yes | 200% NEUTRAL: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
85	SPARE	–	20	1	A	20	1	–	SPARE	86
87	RCPT'S RM. 4026	720	20	1	B	20	1	–	SPARE	88
89	I.P. MONITOR RM. 2002-2025	400	20	1	C	20	1	–	SPARE	90
91	RCPTS. PAT. MONIT.RM. 2084	360	20	1	A	20	1	–	SPARE	92
93	SPARE	–	20	1	B	20	1	–	SPARE	94
95	SPARE	–	20	1	C	20	1	–	SPARE	96
97	SPARE	–	20	1	A	20	1	–	SPARE	98
99	SPARE	–	20	1	B	20	1	–	SPARE	100
101	SPARE	–	20	1	C	20	1	–	SPARE	102
103	SPARE	–	20	1	A	20	1	–	SPARE	104
105	SPARE	–	20	1	B	20	1	–	SPARE	106
107	SPARE	–	20	1	C	20	1	–	SPARE	108
109	SPARE	–	20	1	A	20	1	–	SPARE	110
111	SPARE	–	20	1	B	20	1	–	SPARE	112
113	SPARE	–	20	1	C	20	1	–	SPARE	114
115	SPARE	–	20	1	A	20	1	–	SPARE	116
117	SPARE	–	20	1	B	20	1	–	SPARE	118
119	SPARE	–	20	1	C	20	1	–	SPARE	120
121	SPARE	–	20	1	A	20	1	–	SPARE	122
123	SPARE	–	20	1	B	20	1	–	SPARE	124
125	SPARE	–	20	1	C	20	1	–	SPARE	126

NOTES:

"2CRLA" LOAD SUMMARY

	LTS	RCPTS	MTRS	HSPTL	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.0	10.9	0.0	56.5	0.0	0.0	67.5	187.3
DEMAND FACTOR				SEE DEMAND FACTOR TABLE				
TOTAL DEMAND LOAD	0.0	10.5	0.0	21.4	0.0	0.0	31.9	88.5
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.0	10.5	0.0	21.4	0.0	0.0	31.9	88.5

PANEL: 2EQL — EQUIPMENT

LOCATION: ELEC. 2094 | MAIN BUS: 225A | MCB: 150A | VOLTAGE: 208/120 | AIC: 10,000A
FED FROM: 1DPEQH | WIRES: 4W + G | ENCLOSURE: NEMA 1 | BUS TYPE: Copper | MOUNTING: Surface | PANEL LUGS: Main Circuit Breaker
NEUTRAL BUS: Yes | GROUND BUS: Yes | ISOLATED GROUND BUS: No | 200% NEUTRAL: No | FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	SPARE	500	20	1	A	20	1	500	J-BOX FIRE SM. DAM. 1ST FL.	2
3	SPARE	500	20	1	B	20	1	500	J-BOX VAV BOXES 1ST FL.	4
5	J-BOX FIRE SM. DAM. 3RD FL.	500	20	1	C	20	1	500	J-BOX FIRE SM. DAM. 1ST FL.	6
7	J-BOX VAV BOXES 3RD FL.	500	20	1	A	20	1	500	J-BOX VAV BOXES 1ST FL.	8
9	SUMP PUMP ELEV #1	400	20	1	B	20	1	400	J-BOX COIL SMK DOOR 1ST FL.	10
11	SUMP PUMP ELEV #2	400	20	1	C	20	1	600	J-BOX COIL SMK DOOR 2ND FL.	12
13	SUMP PUMP ELEV #3	400	20	1	A	20	1	600	J-BOX COIL SMK DOOR 3RD FL.	14
15	SUMP PUMP ELEV #4	400	20	1	B	20	1	500	J-BOX FIRE SM. DAM. 1ST FL.	16
17	J-BOX FIRE SM. DAM. 1ST FL.	500	20	1	C	20	1	500	J-BOX VAV BoXES 1ST FL.	18
19	J-BOX VAV BOXES 1ST FL.	500	20	1	A	20	1	500	3RD FLOOR DDC CONTROLS	20
21	J-BOX FIRE SM. DAM. 1ST FL.	500	20	1	B	20	1	500	2ND FLOOR DDC CONTROLS	22
23	J-BOX VAV BOXES 1ST FL.	500	20	1	C	20	1	500	2ND FLOOR DDC CONTROLS	24
25	J-BOX PTS	500	20	1	A	20	1	1000	J-BOX PTS	26
27	J-BOX PTS	500	20	1	B	20	1	500	J-BOX PTS TRANSFER	28
29	J-BOX PTS	500	20	1	C	20	1	500	J-BOX PTS TRANSFER	30
31	J-BOX PTS	500	20	1	A	20	1	500	J-BOX PTS TRANSFER	32
33	J-BOX PTS TRANSFER	500	20	1	B	20	1	500	J-BOX FIRE SM. DAM. 1ST FL.	34
35	1ST FLOOR DDC CONTROLS	500	20	1	C	20	1	–	SPARE	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	SPARE	–	20	1	B	20	1	–	S