

ADDENDA – A-02

00 91 13 A-02

The information listed below is to form part of the Contract Documents. All associated costs are to be included in Tender Price shown on Tender Form. Acknowledgment of this Addendum, by number, to be shown in space provided on Tender Form.

1 FRONT END SPECIFICATIONS

1.1 Specification Section: 00 21 13 – Instruction to Bidders

.1 Revise “1.1 Submission Date” to read as follows:

.1 Bids in accordance with the Drawings and Specifications included with these Bid Documents for:
Fort St. John Hospital – Residential Care Cooling Upgrade.

must be received by:
January 18th, 2024

prior to 5 o'clock p.m. PST

2 DRAWINGS

Updated Electrical drawings included in Addendum 2 are issued to reflect the revised electrical feeder routing revisions issued in Addendum 1 as mark-ups to the drawings.

2.1 E001 – ELECTRICAL LEGEND & DRAWING LIST

.1 Add “E102 – BUILDING A – ROOF LEVEL – NEW” and “E103 – BUILDING B – ROOF LEVEL – NEW” to the Drawing List.

2.2 E002 – SINGLE LINE DIAGRAM – ELECTRICAL

.1 Add “3 #2/0+G AL TECK” to each of the new condenser unit feeders.

2.3 E100 – ELECTRICAL PART PLANS HOUSE A LEVELS 0A, 1, & ROOF

.1 Revised approach to new wiring approach as shown.

2.4 E101 – ELECTRICAL PART PLANS HOUSE B LEVELS 1, 2B, & ROOF

.1 Revised approach to new wiring approach as shown.

2.5 E102 – BUILDING A – ROOF LEVEL

.1 Drawing added to show scope of work on the roof.

2.6 E103 – BUILDING B – ROOF LEVEL

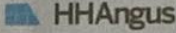
.1 Drawing added to show scope of work on the roof.

3 ADDITIONAL INFORMATION

3.1 Site Meeting Attendance

Three Bentall Centre
595 Burrard Street
Suite 453, PO Box 49081
Vancouver, BC
V7X 1G4

T 604 229 3165
hhangus.com



MANDATORY SITE TOUR SIGN-IN SHEET

Fort St. John Hospital – Residential Care Cooling Upgrade

December 15th, 2023

HHA #2230541

NAME	COMPANY	Contact (email)
Matt Gilmore	ENC	mgilmore@elevationnorth.ca
Matt Smeaton	Elevation North Construction	msmeaton@elevationnorth.ca
Claude Choquet	Pro North Heating	claude@pronorthheating.com
Ruz Petrick	WLC	ruz@northernlegendary.ca
Jagjeet Singh	WLC Construction	Jagjeet@WLCconstruction.com
Carina Wallis	WLC Construction	CWallis@WLCconstruction.com
CHRIS FELDRIK	STATUS FELFC	CFELDRIK@STATUSFELFC.COM
Rui Miranda	D Bauer Mech	rui@edbauermechanical.ca
Damen Lockhart	VECTA PROJECTS	estimating@vps.ca

END OF ADDENDA

POWER	
	WALL MOUNTED 15A, 120V, 1Ø, 3W GROUNDED DUPLEX NORMAL POWER RECEPTACLE
	WALL MOUNTED 15A, 120V, 1Ø, 3W GROUNDED DUPLEX EMERGENCY POWER RECEPTACLE ('U' DENOTES CONNECTION TO UPS POWER SYSTEM)
	WALL MOUNTED 15A, 120V, 1Ø, 3W GROUNDED DUPLEX NORMAL POWER RECEPTACLE MOUNTED 150mm ABOVE COUNTER OR 1100mm A.F.F.
	AS ABOVE EXCEPT CONNECTED TO EMERGENCY POWER.
	15/20A, 1Ø, 120V 'T'-SLOT GROUNDED DUPLEX NORMAL POWER RECEPTACLE ('HK' DENOTES HOUSEKEEPING)
	120V, 1Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	208V, 1Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	208V, 3Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	600V, 3Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	DISCONNECT SWITCH BY DIVISION 26, SIZE AS NOTED. ('F' DENOTES FUSED DISCONNECT SWITCH)
	STARTER SWITCH BY DIVISION 26, SIZE AS NOTED. ('S' DENOTES STARTER)
	DISCONNECT SWITCH STARTER OR VFD BY DIV. 20, REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION. ('F' DENOTES FUSED DISCONNECT SWITCH, 'S' DENOTES STARTER, 'VFD' DENOTES VFD)
	POWER PANEL
	FLUSH MOUNTED LIGHTING OR RECEPTACLE PANEL
	SURFACE MOUNTED LIGHTING OR RECEPTACLE PANEL
	204mm x 204mm x 102mm LABELLED JUNCTION BOX MOUNTED, C/W BLANK COVER PLATE FOR CONNECTION AS NOTED
	CIRCUIT BREAKER IN SEPARATE, LOCKABLE ENCLOSURE

ABBREVIATIONS	
AFF	DENOTES ABOVE FINISHED FLOOR
BFC	DENOTES BELOW FINISHED CEILING
GF	DENOTES CONNECTED TO GROUND FAULT INTERRUPTING TYPE BREAKER
MP	DENOTES MOISTURE PROOF
OC	DENOTES MOUNTED 150mm OVER COUNTER, 75mm OVER BACKSPLASH OR 1100mm AFF
TL	DENOTES TWIST-LOCK DEVICE
TYP	DENOTES TYPICAL
WP	DENOTES WEATHERPROOF

MISCELLANEOUS SYMBOLS	

SINGLE LINE & RISERS	
	MOLDED CASE CIRCUIT BREAKER
	LOAD BREAK INTERRUPTER SWITCH
	DIGITAL METERING UNIT
	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	FUSE, TYPE AND SIZE AS INDICATED AND SPECIFIED
	POWER OR DISTRIBUTION TRANSFORMER, TYPE AND SIZE AS INDICATED AND SPECIFIED
	GROUND CONNECTION
	SHUNT TRIP OPERATION OF BREAKER AS INDICATED

1

DRAWING LIST	
E001	ELECTRICAL DRAWING LIST AND LEGEND
E002	SINGLE LINE DIAGRAM – ELECTRICAL
E100	ELECTRICAL PART PLANS – HOUSE A – LEVELS 0A, & 1
E101	ELECTRICAL PART PLANS – HOUSE B – LEVELS 1 & 2B
E102	ELECTRICAL PART PLANS – HOUSE A – ROOF
E103	ELECTRICAL PART PLANS – HOUSE B – ROOF

DRAWING STYLES	
————	NEW
-----	EXISTING TO REMAIN UNLESS NOTED OTHERWISE

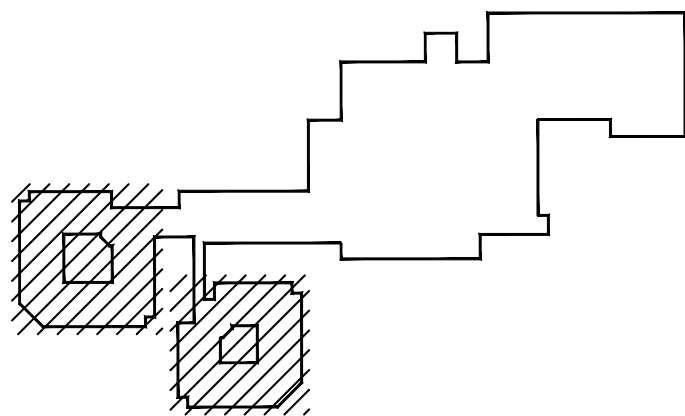
- GENERAL NOTES: (APPLICABLE TO ALL DRAWINGS)
- REFER TO MECHANICAL DRAWINGS, SPECIFICATIONS AND GENERAL TRADES SPECIFICATIONS FOR CONSTRUCTION PHASING AND DETAILS PRIOR TO COMMENCING WORK.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WORK WITH OTHER TRADES PRIOR TO THE ROUGH-IN OF ANY DEVICE INCLUDING COORDINATION WITH FURNITURE AND EQUIPMENT SUPPLIER.
 - ALL NEW DEVICES BEING INSTALLED ON EXISTING WALLS SHALL BE RECESSED MOUNTED.
 - PROVIDE WIRING AND CONDUIT TO ALL DOOR HARDWARE DEVICES SHOWN ON DRAWINGS AND AS PER SPECIFICATIONS. COORDINATE WITH DOOR HARDWARE SUPPLIER FOR INSTALLATION REQUIREMENTS.
 - REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE FOR ADDITIONAL DETAILS REGARDING DOOR HARDWARE INSTALLATION REQUIREMENTS.
 - CONTRACTOR IS TO FOLLOW ALL INFECTION CONTROL PROCEDURES AS SET OUT IN THE GENERAL TRADES SPECIFICATIONS, AND AS FURTHER REQUIRED BY THE HOSPITAL.
 - EXISTING DEVICES AND SYSTEMS INDICATED ON THESE DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF WORK ONLY. THE CONSULTANT DOES NOT WARRANT THE ACCURACY OF EXISTING BUILDING CONDITIONS, DIMENSIONS, OR MATERIALS REPRESENTED ON THE DRAWINGS. DURING THE TENDER PERIOD, THE CONTRACTOR SHALL PERFORM A SITE INSPECTION OF THE PLACE OF WORK & SURROUNDINGS INCLUDING CEILING SPACES, AS WELL AS OTHER AREAS WHERE ACCESS WOULD BE CONSIDERED REASONABLE & MAKE A THOROUGH INVESTIGATION OF AS-BUILT CONDITIONS TO DETERMINE THE SCOPE OF DEMOLITION/RENOVATION WORK REQUIRED PRIOR TO SUBMITTING THEIR PRICE. THE CONTRACTOR MAY NOT RELY ON THE CONTRACT DRAWINGS TO LIMIT THE SCOPE OF DEMOLITION/RENOVATION WORK REQUIRED.
 - CONTRACTOR PRICING FOR ALL WORK ASSOCIATED WITH THIS PROJECT SHALL BE UNDERTAKEN WITH THE UNDERSTANDING THAT THE OWNER MAY NOT ALLOW CERTAIN TYPES OF WORK TO PROCEED DURING SPECIFIC TIME PERIODS. IT IS RECOMMENDED THAT THE CONTRACTOR FAMILIARIZE THEMSELVES WITH THESE CONSTRAINTS PRIOR TO PRICING.
 - POWER AND SYSTEMS SHUT-DOWN MUST BE ARRANGED WITH AND AT A TIME CONVENIENT TO THE HOSPITAL. PROVIDE SEVEN DAYS WRITTEN NOTICE FOR POWER SHUT-DOWNS. COORDINATE SHUTDOWNS WITH FACILITY MANAGEMENT OFFICE [FMO]
 - WHEN WORKING ON ANY ELECTRICAL CIRCUIT FED FROM ANY POWER PANEL OR LIGHTING PANEL PROVIDE THE FOLLOWING:
 - SUITABLE LOCK-OFF DEVICES, PADLOCK FOR LARGE SWITCHES ETC OR LOCK-OFF DEVICES FOR LIGHTING PANEL BREAKERS.
 - SUITABLE, CLEAR WARNING SIGNS.
 - HANDWRITTEN INFORMATION SHEET IDENTIFYING NAME OF CONTRACTOR, DATE, LOCATION OF WORK AND ANTICIPATED TIME OF COMPLETION. DISPLAY THIS IN A VISIBLE LOCATION AND REMOVE ONLY WHEN THE CIRCUIT IS RE-ENERGIZED.
 - REFER TO BASE BUILDING ARCHITECTURAL DRAWINGS FOR RATING OF WALL PARTITIONS. PROVIDE FIRE STOPPING FOR ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES
 - REFER TO MECHANICAL DRAWINGS FOR SERVICE ROUTING OF NEW MECHANICAL SYSTEMS IN EXISTING BUILDINGS. COORDINATE INSTALLATION OF MECHANICAL SERVICES TO PROVIDE REMOVAL & RE-INSTALLMENT OF LIGHTING FIXTURES, ELECTRICAL DEVICES, AND FIRE ALARM DEVICES. FIRE ALARM & LIFE SAFETY SYSTEMS SHALL BE KEPT OPERATIONAL THROUGHOUT THE EXECUTION OF THE WORK. IF A FIRE ALARM SYSTEM/ZONE NEEDS TO BE DE-ACTIVATED FOR WORK RELATED TO THIS PROJECT, PROVIDE REQUIRED NUMBER OF PERSONNEL TO PERFORM AN APPROVED FIRE WATCH (ACCEPTABLE TO THE AUTHORITIES HAVING JURISDICTION) IN AFFECTED AREAS & FOR THE ENTIRE PERIOD OF TIME THAT THE FIRE ALARM SYSTEM/ZONE IS DE-ACTIVATED.

DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE CONSULTANT BEFORE PROCEEDING.
ONLY FIGURED DIMENSIONS ARE TO BE USED AND CONTRACTOR MUST CHECK ALL DIMENSIONS ON SITE.
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	2024-01-12	REVISED FOR ADDENDUM 2
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
DRAWING REVISIONS		

03	2023-12-08	ISSUED FOR TENDER
02	2023-11-17	ISSUED FOR 90% CD
01	2023-10-27	ISSUED FOR 90% DD
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
DRAWING ISSUE		

KEYPLAN:



NORTH:	SEAL:

PROJECT:
**FORT ST. JOHN HOSPITAL
RESIDENTIAL CARE COOLING
UPGRADE**

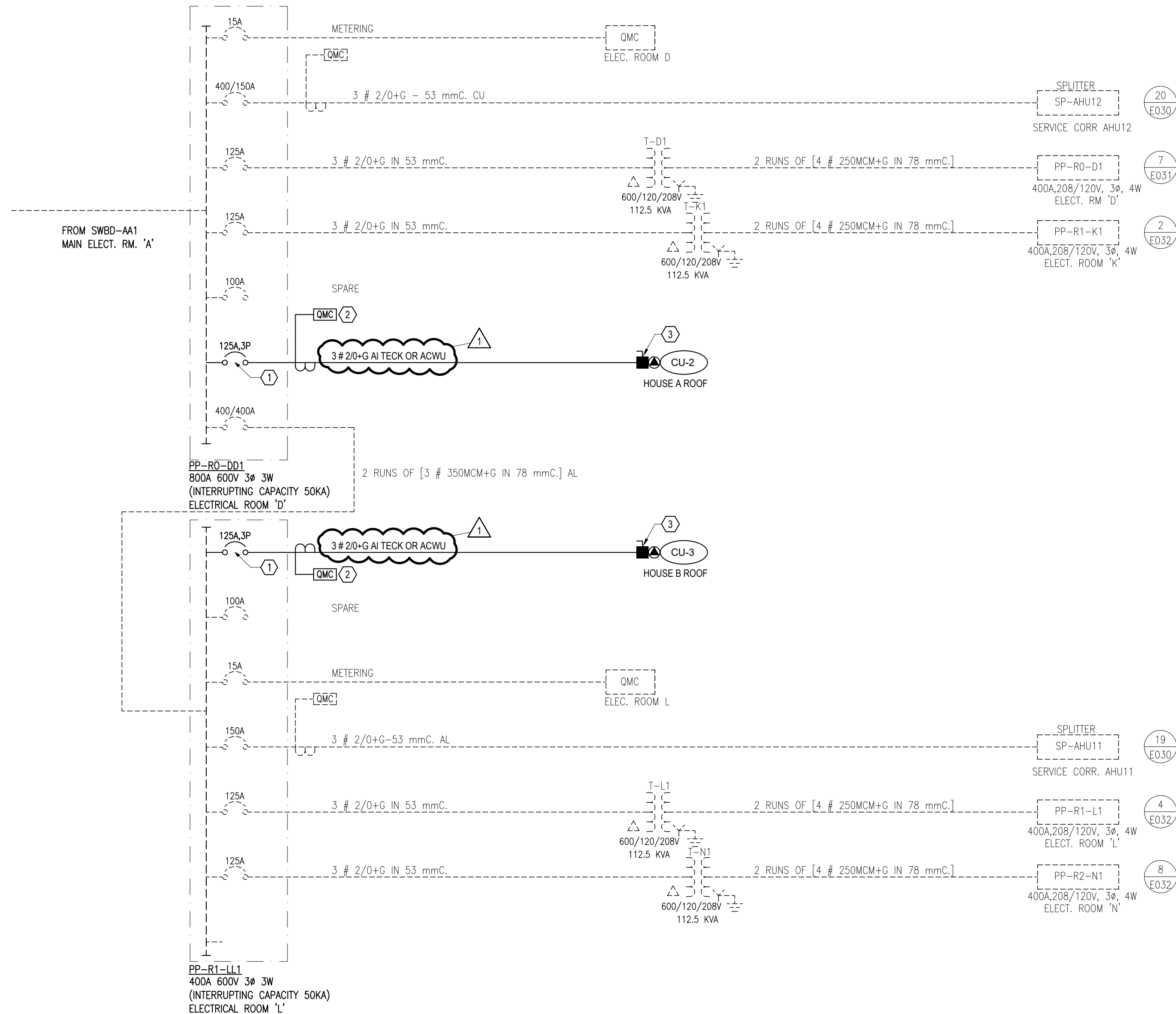
HHA PROJECT NUMBER: 223-0541

DRAWING TITLE:
**ELECTRICAL LEGEND
& DRAWING LIST**

PAGE SIZE:	ARCH D	DRAWN BY:	W.E. & J.O'S.
SCALE:	N.T.S.	CHECKED BY:	W.E.
DRAWING NUMBER:			

E001

FILE NAME: P:\2024\24-1-Res Care Cooling Upgrade\Drawings\E002 - Electrical Single Line.dwg
PLOT DATE: 2024-10-10 11:37



DRAWING NOTES:

- 1 PROVIDE NEW 125A, 3P BREAKER IN EXISTING PANEL. MATCH INTERRUPTING RATING OF BASE BUILDING BREAKERS.
- 2 PROVIDE NEW ELECTRICAL ENERGY METERING POINTS FOR NEW MECHANICAL LOAD. EXTEND EXISTING METERING SYSTEM AT RESPECTIVE PANEL TO SUIT.
- 3 PROVIDE ARC FLASH LABEL ON EQUIPMENT DISCONNECT REFLECTING INCIDENT ENERGY AT THIS LOCATION. UPDATE FACILITY ARC FLASH STUDY TO INCLUDE NEW MECHANICAL EQUIPMENT AS NECESSARY TO PRODUCE UPDATED LABEL.



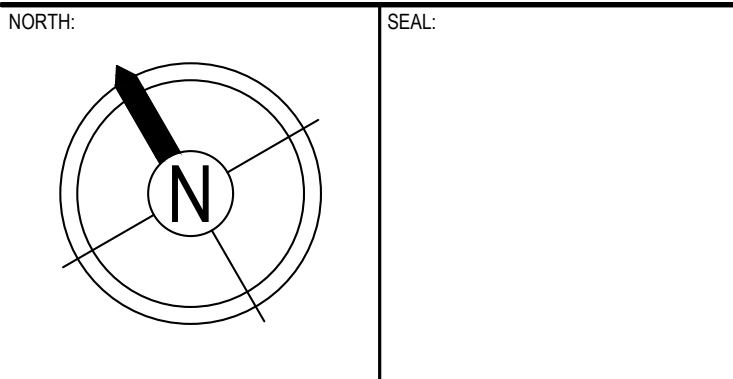
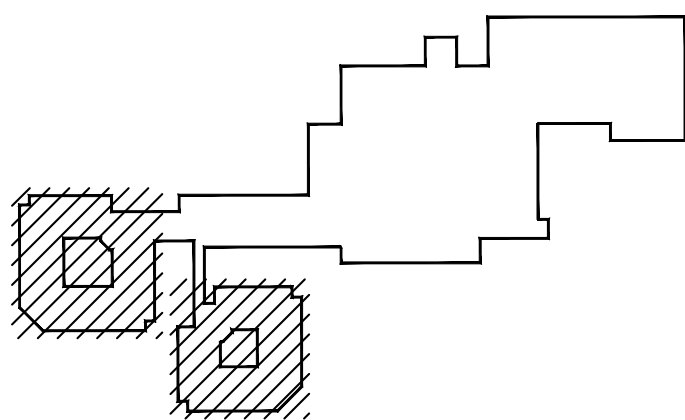
H.H. Angus & Associates Limited Consulting Engineers
1127 Leslie Street, Toronto, ON, M3C 2J6 Canada
www.hhangus.com | T 416 443 8200 | F 416 443 8290

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KEYPLAN:



PROJECT:
FORT ST. JOHN HOSPITAL
RESIDENTIAL CARE COOLING
UPGRADE

HHA PROJECT NUMBER: 223-0541

DRAWING TITLE:
SINGLE LINE DIAGRAM -
ELECTRICAL

PAGE SIZE:	ARCH D	DRAWN BY:	W.E. & J.O.S.
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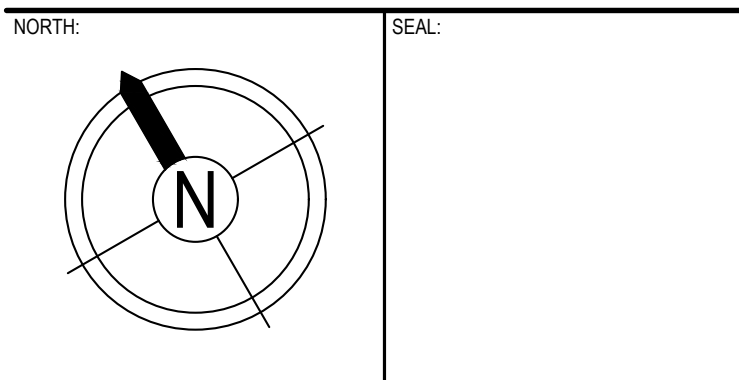
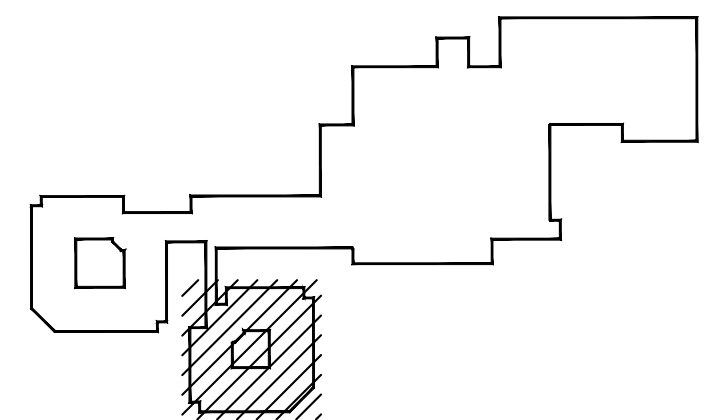
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KEYPLAN:



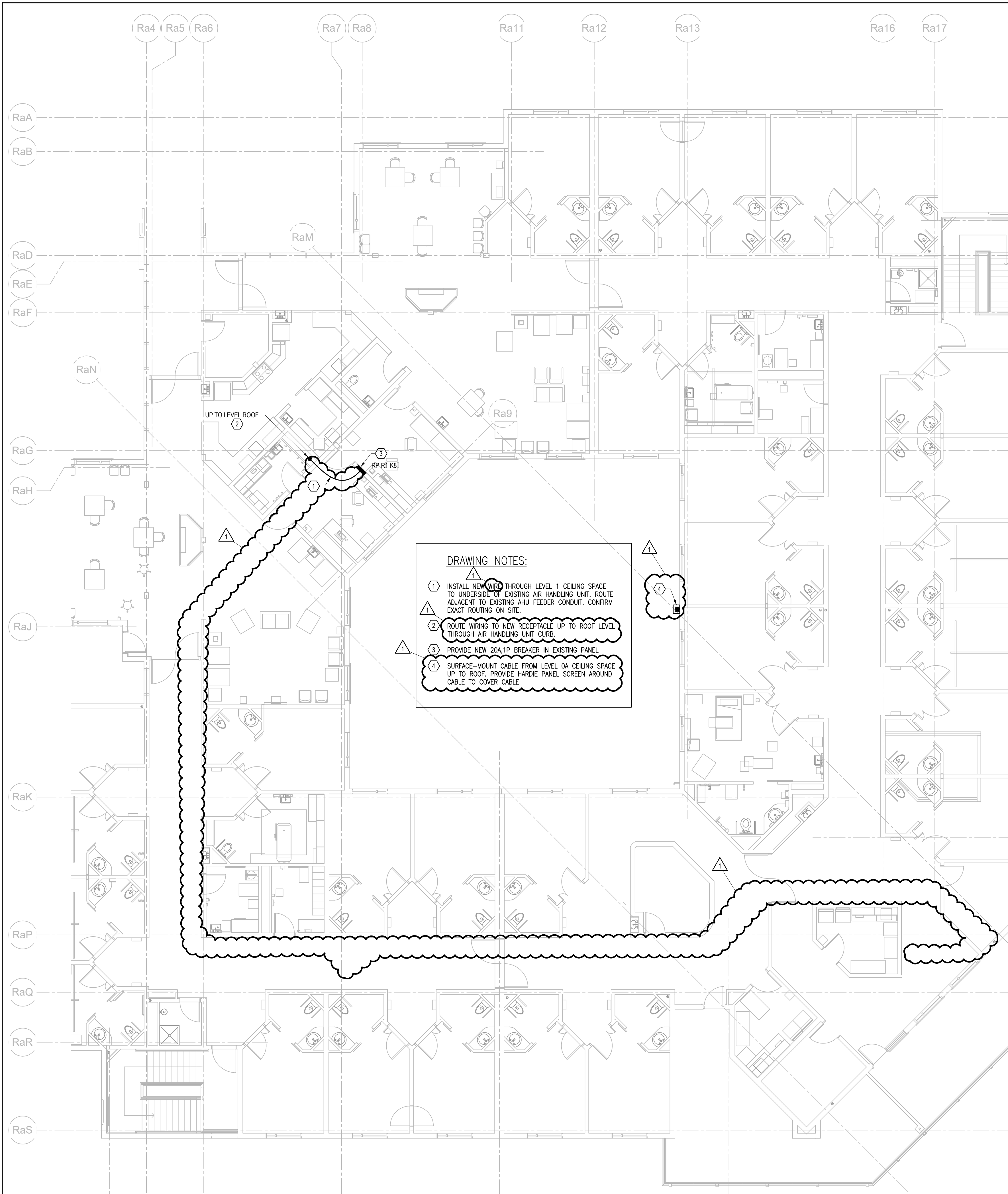
PROJECT:
FORT ST. JOHN HOSPITAL
RESIDENTIAL CARE COOLING
UPGRADE

HHA PROJECT NUMBER: 223-0541

DRAWING TITLE:
ELECTRICAL PART PLANS
HOUSE A
LEVELS 0A & 1

PAGE SIZE:	ARCH D	DRAWN BY:	W.E. & J.O'S.
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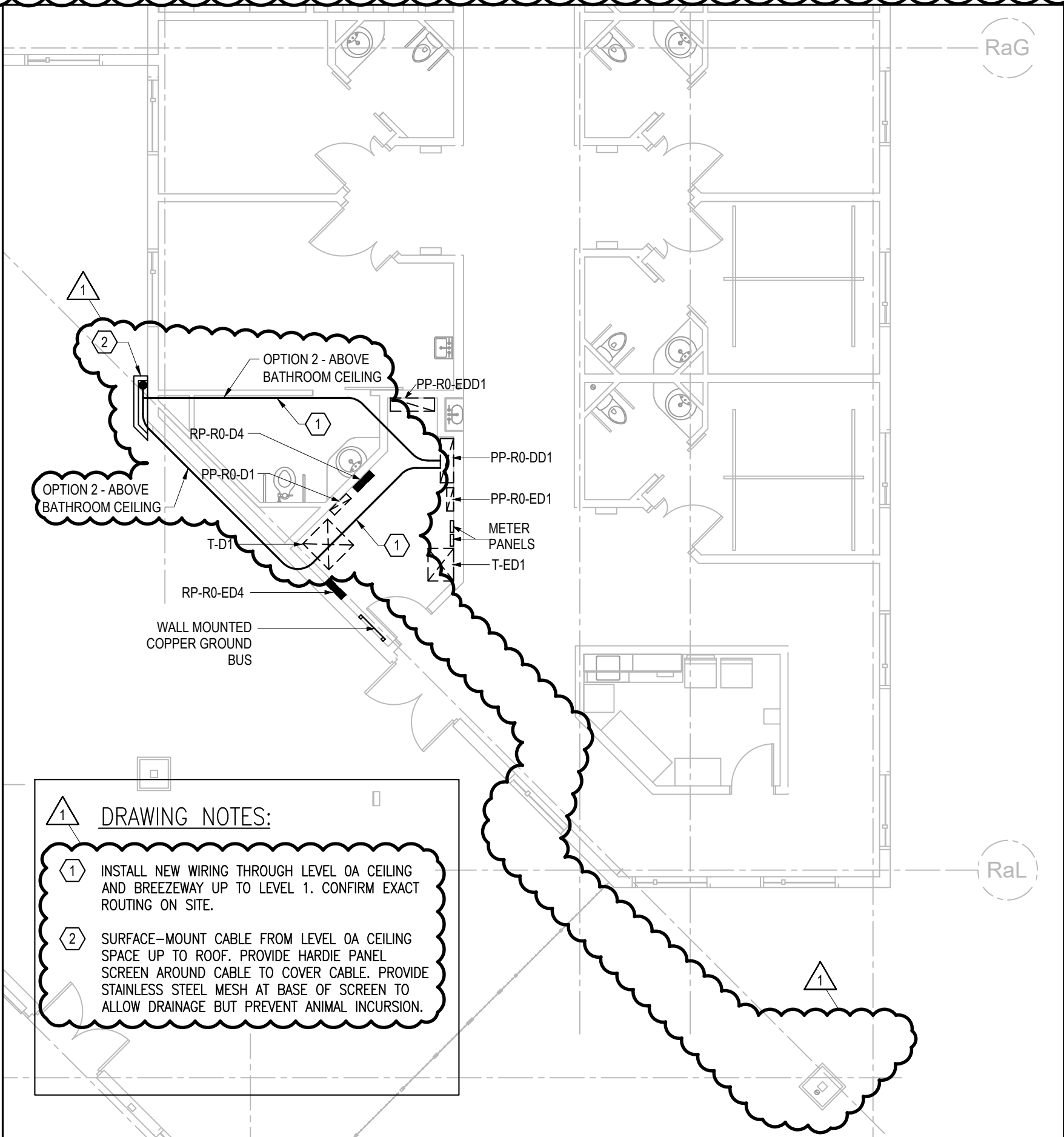
E100



DRAWING NOTES:

1. INSTALL NEW WIRING THROUGH LEVEL 1 CEILING SPACE TO UNDERSIDE OF EXISTING AIR HANDLING UNIT. ROUTE ADJACENT TO EXISTING AHU FEEDER CONDUIT. CONFIRM EXACT ROUTING ON SITE.
2. ROUTE WIRING TO NEW RECEPTACLE UP TO ROOF LEVEL THROUGH AIR HANDLING UNIT CURB.
3. PROVIDE NEW 20A, 1P BREAKER IN EXISTING PANEL.
4. SURFACE-MOUNT CABLE FROM LEVEL 0A CEILING SPACE UP TO ROOF. PROVIDE HARDIE PANEL SCREEN AROUND CABLE TO COVER CABLE.

3 NOT USED
E100 N/A

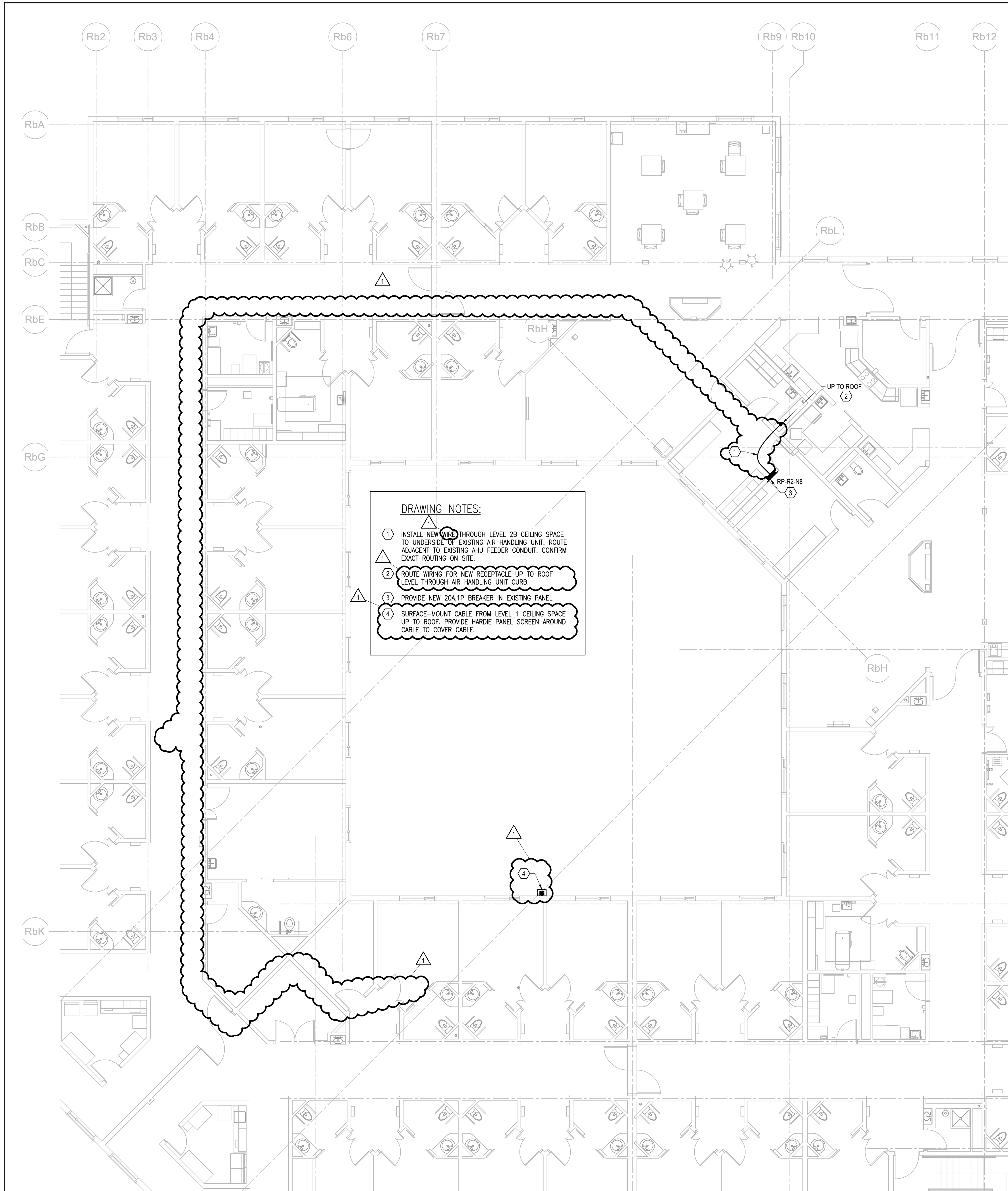


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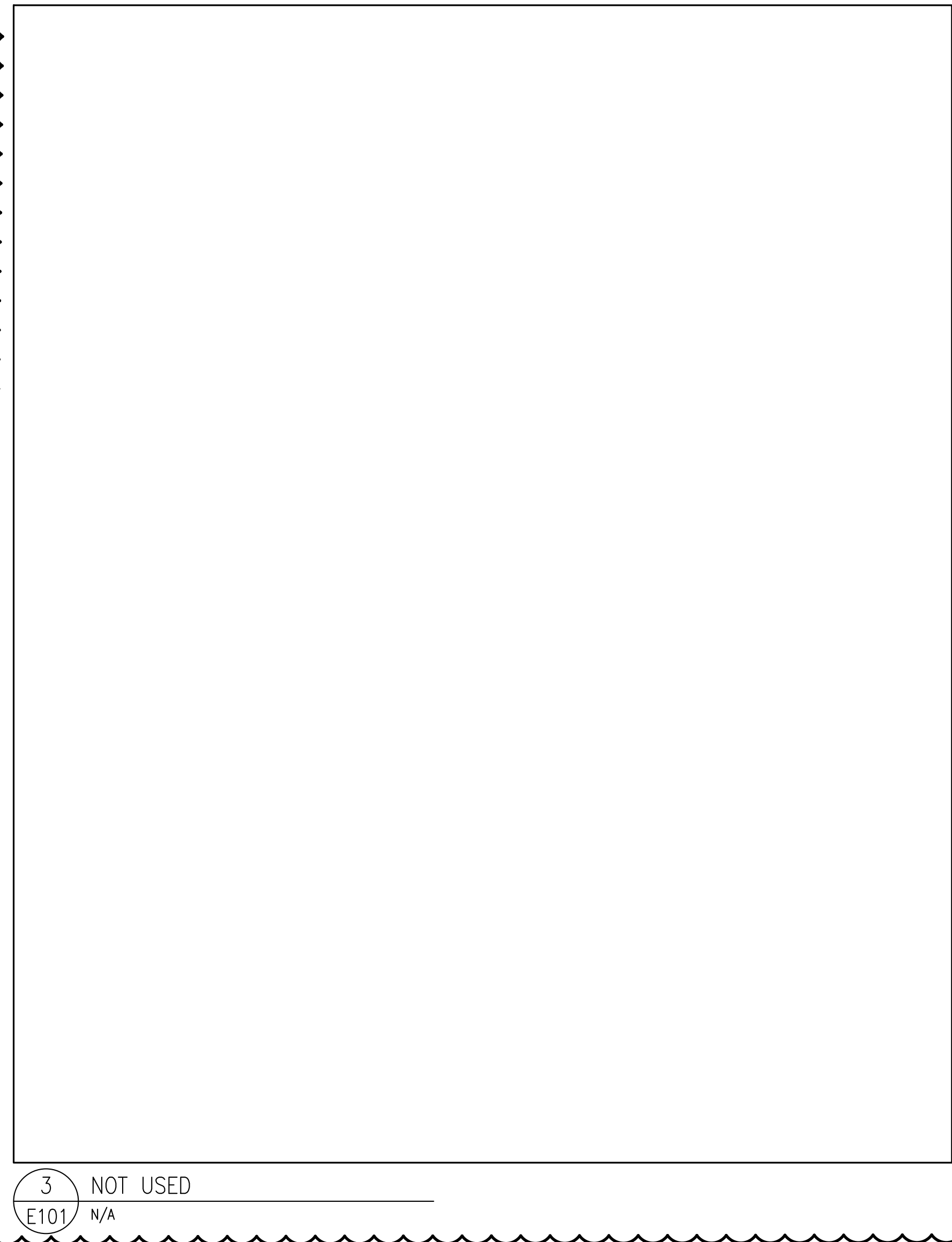
1. INSTALL NEW WIRING THROUGH LEVEL 0A CEILING AND BREEZEWAY UP TO LEVEL 1. CONFIRM EXACT ROUTING ON SITE.
2. SURFACE-MOUNT CABLE FROM LEVEL 0A CEILING SPACE UP TO ROOF. PROVIDE HARDIE PANEL SCREEN AROUND CABLE TO COVER CABLE. PROVIDE STAINLESS STEEL MESH AT BASE OF SCREEN TO ALLOW DRAINAGE BUT PREVENT ANIMAL INCURSION.

1 HOUSE A - LEVEL 0A PART PLAN
E100 1:100

FILENAME: P:\220304-1 - FSJ\Res Care Cooling Upgrade\Drawings\EDWG-E101 - Building B - Levels 1 and 2B.dwg
PLOT DATE: 2024-01-10 13:38



2 HOUSE B - LEVEL 2B PART PLAN
E101 1:100



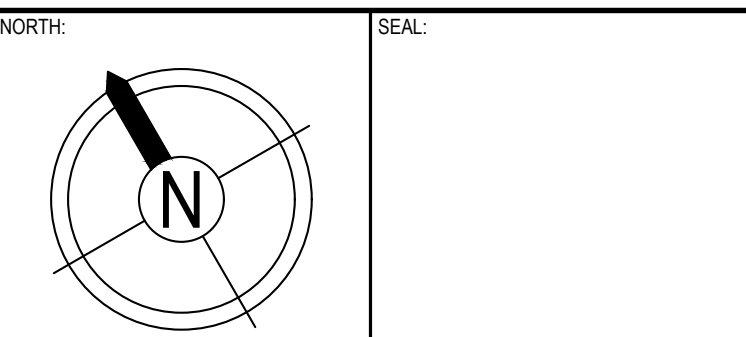
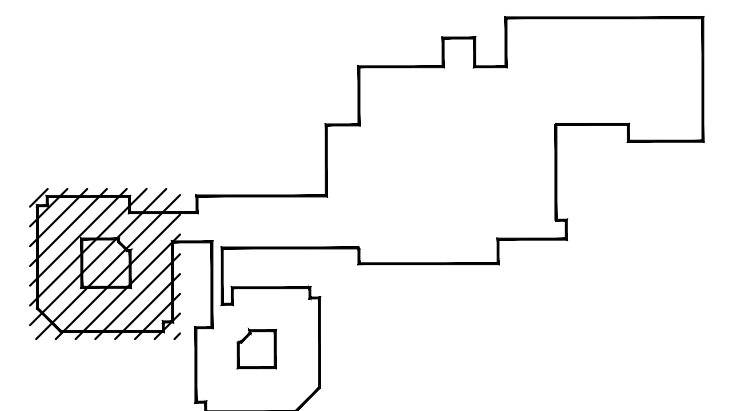
1 HOUSE B - LEVEL 1 PART PLAN
E101 1:100

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01	2023-10-27	ISSUED FOR 90% DD

DRAWING ISSUE



PROJECT:
**FORT ST. JOHN HOSPITAL
RESIDENTIAL CARE COOLING
UPGRADE**

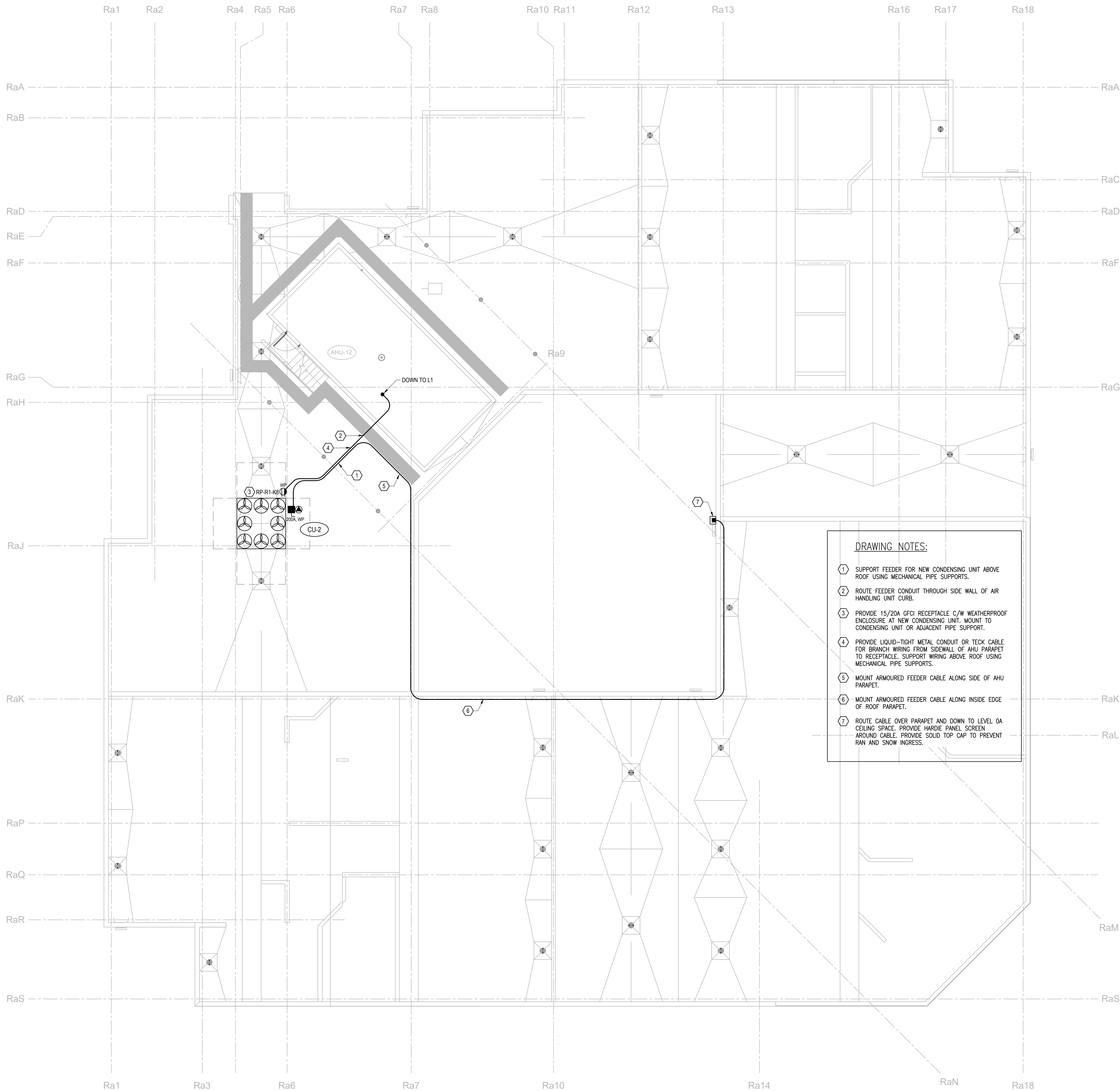
HHA PROJECT NUMBER: 223-0541

DRAWING TITLE:
**ELECTRICAL PART PLANS
HOUSE B
LEVEL 1 & 2B**

PAGE SIZE: ARCH D
SCALE: 1:100
DRAWING NUMBER: E101

DRAWN BY: W.E & J.O'S
CHECKED BY: W.E.

FILENAME: P:\2230541 - FSJ\Res Care Control Upgrade\Drawings\E102 - Building A - Roof Level - New Plan.dwg

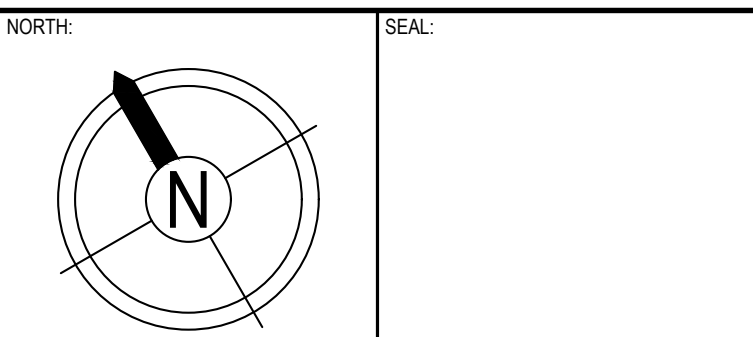
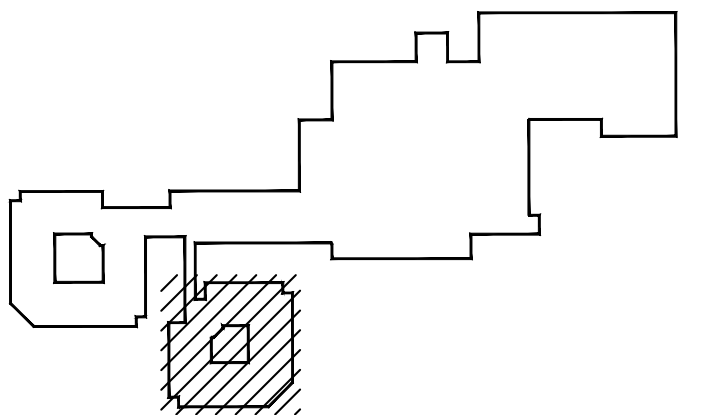


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KEYPLAN:



PROJECT:
**FORT ST. JOHN HOSPITAL
RESIDENTIAL CARE COOLING
UPGRADE**

HHA PROJECT NUMBER: 223-0541

DRAWING TITLE:
**ELECTRICAL PART PLANS
HOUSE A
ROOF LEVEL**

PAGE SIZE:	ARCH D	DRAWN BY:	W. EVANS
SCALE:	1:100	CHECKED BY:	W. EVANS

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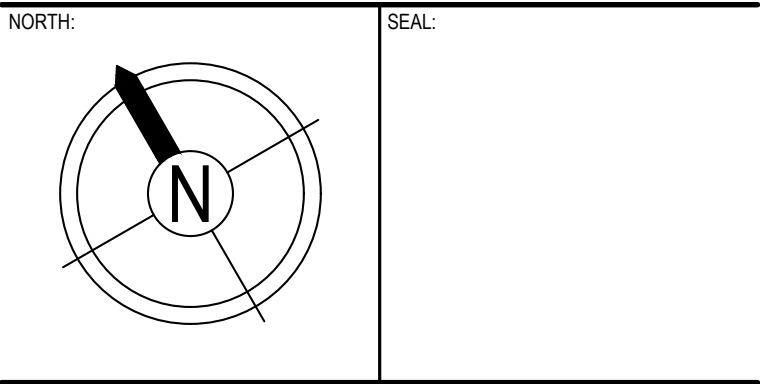
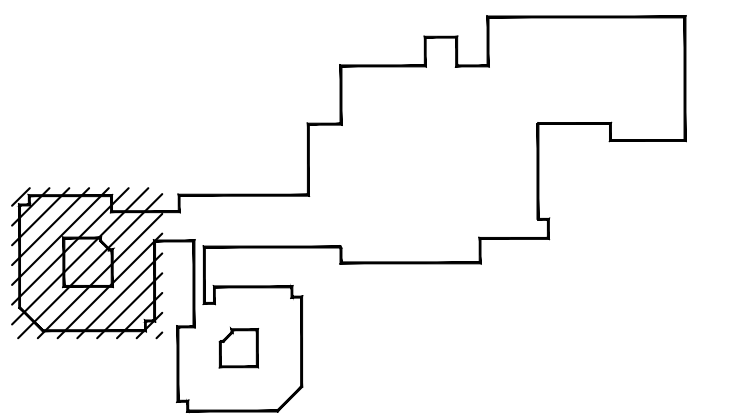
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DRAWING ISSUE		

KEYPLAN:



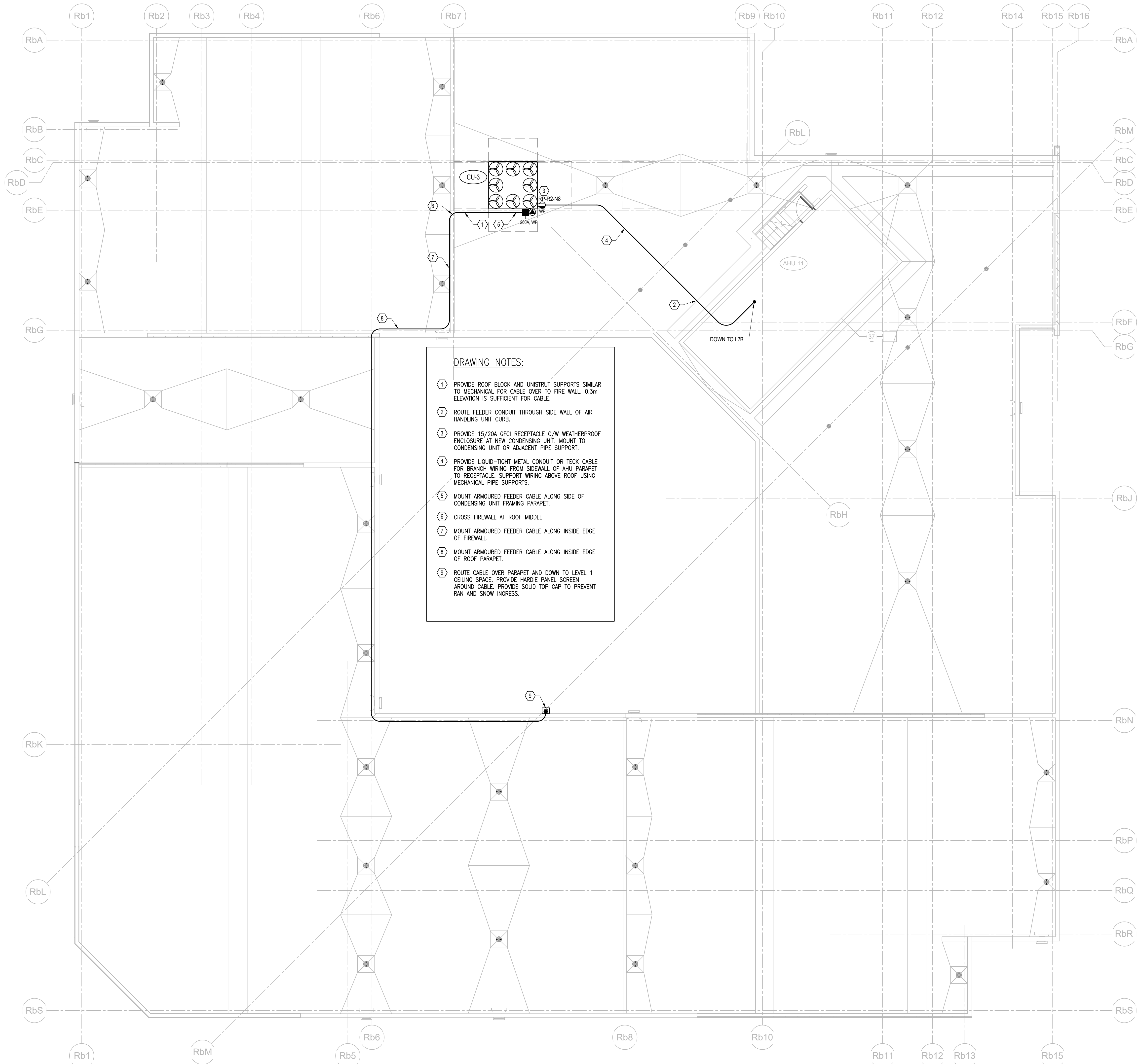
PROJECT:
**FORT ST. JOHN HOSPITAL
RESIDENTIAL CARE COOLING
UPGRADE**

HHA PROJECT NUMBER: 223-0641

DRAWING TITLE:
**ELECTRICAL PART PLANS
HOUSE B
ROOF LEVEL**

PAGE SIZE:	ARCH D	DRAWN BY:	W. EVANS
SCALE:	1:100	CHECKED BY:	W. EVANS

DRAWING NUMBER:
E103



DRAWING NOTES:

- 1 PROVIDE ROOF BLOCK AND UNISTRUT SUPPORTS SIMILAR TO MECHANICAL FOR CABLE OVER TO FIRE WALL. 0.3m ELEVATION IS SUFFICIENT FOR CABLE.
- 2 ROUTE FEEDER CONDUIT THROUGH SIDE WALL OF AIR HANDLING UNIT CURB.
- 3 PROVIDE 15/20A GFCI RECEPTACLE C/W WEATHERPROOF ENCLOSURE AT NEW CONDENSING UNIT. MOUNT TO CONDENSING UNIT OR ADJACENT PIPE SUPPORT.
- 4 PROVIDE LIQUID-TIGHT METAL CONDUIT OR TECK CABLE FOR BRANCH WIRING FROM SIDEWALL OF AHU PARAPET TO RECEPTACLE. SUPPORT WIRING ABOVE ROOF USING MECHANICAL PIPE SUPPORTS.
- 5 MOUNT ARMoured FEEDER CABLE ALONG SIDE OF CONDENSING UNIT FRAMING PARAPET.
- 6 CROSS FIREWALL AT ROOF MIDDLE.
- 7 MOUNT ARMoured FEEDER CABLE ALONG INSIDE EDGE OF FIREWALL.
- 8 MOUNT ARMoured FEEDER CABLE ALONG INSIDE EDGE OF ROOF PARAPET.
- 9 ROUTE CABLE OVER PARAPET AND DOWN TO LEVEL 1 CEILING SPACE. PROVIDE HARDIE PANEL SCREEN AROUND CABLE. PROVIDE SOLID TOP CAP TO PREVENT RAN AND SNOW INGRESS.