ADDENDA – A-01
00 91 13 A-01

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, 2023

prior to 5 o'clock p.m. PST

.2 Revise "2.3 Questions arising during the bidding period to be directed to:", section 2 as follows:

.2 Questions of substance with regard to quantities, quality, or acceptable manufacturers of materials and equipment or questions with regard to interpretation of the documents will not be discussed or answered by telephone and must be e-mailed to Consultant by **January 8th**.

2 DRAWINGS

2.1 SK – CURB AT ROOF

.1 Add sketch "SK - Curb at Roof"

2.2 E001 – ELECTRICAL LEGEND & DRAWING LIST

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

2.3 E002 – SINGLE LINE DIAGRAM – ELECTRICAL

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

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

.1 Revised approach to new wiring approach as shown.

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

.1 Revised approach to new wiring approach as shown.

2.6 E102 – BUILDING A – ROOF LEVEL – NEW

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

2.7 E103 – BUILDING B – ROOF LEVEL – NEW

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

3 ELECTRICAL FEEDER ROUTING

3.1 Description of Revised Approach

.1 The electrical feeder routing to the new condenser units in House A and House B has been revised to route exterior to the building, refer to the updated electrical drawings.

.2 Exterior electrical feeders to be rated for outdoor installation and extreme environments, see "TECK90 – Aluminum Conductor" product datasheet included.

.3 Exterior electrical feeders to be in an enclosure fastened securely to the building with Hardi plank finishing to match the building and minimize visual impact.

.4 Electrical feeders shall not be exposed in the courtyard or accessible to patients or visitors in any way.

4 ADDITIONAL SITE INFORMATION

.1 The following drawings are posted for additional site information here: https://get2.hhangus.com/public/be84fe9f33d8 . The Contractor is responsible for verifying all site conditions. The Consultant does not warrant the accuracy of existing building conditions, dimensions, or other materials represented on the drawings.

- .1 AR0011 – Level 0a Code Compliance Plan House A
- .2 AR0012 – Level 1 Code Compliance Plan House A
- .3 AR0013 – Level 1 Code Compliance Plan House B
- .4 AR0014 – Level 2 Code Compliance Plan House B
- .5 AR0105 – Roof Plan House A
- .6 AR0106 – Roof Plan House B
- .7 AR0321 – Building Sections House A
- .8 AR0322 – Building Sections House B
- .9 AR0502 – Stairs - Roof
- .10 AR0701 – Level 0a Reflected Ceiling Plan – House A
- .11 AR0702 – Level 1 Reflected Ceiling Plan – House A
- .12 AR0703 – Level 1 Reflected Ceiling Plan – House B
- .13 AR0704 – Level 2b Reflected Ceiling Plan – House B
- .14 S012 – Res Care Typical Detail – Sheet 1
- .15 S110 – Level 2 and Roof Plan (Residential Care)
- .16 S111 – Roof Plan (Residential Care)
- .17 Sketch – Res Care A – CU Location

.18 Sketch – Res Care B – CU Location

5 CONTRACTOR QUESTIONS

5.1 **Question:** As requested in the site meeting, could you provide architectural plans for the new roof curbs for condensing units, including details for building envelop changes?

Response: Refer to Section 2 of this Addendum and scope description in Section 01 11 13.

5.2 **Question:** Will the contractor bear the costs of a third-party consultant to inspect building envelope work?

Response: Yes, contractor to bear the costs of a third-party to inspect the building envelope work.

5.3 **Question:** Can reflected ceiling plans for res care house A and B for both floors be provided to help with planning for hoarding and infection control?

Response: Refer to Section 4 for available additional information.

5.4 **Question:** Can sectional drawings showing elevations from finished floor to finished ceiling to true ceiling be provided for area's under AHU's, condenser units and main corridors?

Response: Refer to Section 4 for available additional information.

5.5 **Question:** Can a floor plan that shows all rooms directly below the condensing units, air handling units, as well as locations of fire walls be provided? Electrical drawings do not show all the room's below condensing units in full.

Response: Refer to Section 4 for available additional information.

5.6 **Question:** Is there in-floor heating in the electrical room's between level 1/2? Can a drawing be provided showing locations of heat loops?

Response: Refer to revised scope in Section 3. Assume that there is in floor heating on Level 1 in House A and Level 2 in House B. Drawing showing the locations of the heat loops is not available.

5.7 **Question:** Can as-built/construction drawings detailing the concrete slab base of the AHU's be provided?

Response: Refer to Section 4 for available additional information.

5.8 **Question:** Will there be architectural details provided for the demolition and more importantly the replacement of drywall ceilings with a finishes schedule for the interior drywall as well as the exterior courtyard soffit?

Response: Refer to revised scope in Section 3. All ceilings and finishes to be restored to the existing conditions.

5.9 **Question:** We either need a provided plan where infectious control hoardings will be required, or we will need guided site access for the week of Jan 8th-12th, to develop an infection control plan for this project.

Response: Unfortunately additional site access is not possible. Contractor infection control plan and hoarding plan based on the information provided in the Tender Package, supplementary information in this Addendum, and information ascertained from the site visit.

5.10 **Question:** Will there be any meetings with the infection control Multidisciplinary team to review infection control prevention measures, including proposed locations, size, hoarding wall construction, acceptable exhaust air locations? A plan for this project would need to be approved by the Northern Health's Infection Prevention Professional, prior to a fixed price quote and contract being signed.

Response: It is expected that the successful contractor will review the project infection control plan with a multidisciplinary team following the project award and kick-off. Hoarding shall not block more than half of the corridor at any given time. The extent of hoarding required has been significantly reduced, refer to Section 1.

5.11 **Question:** Could there be a scenario where contractors cannot access common areas in the Peace Villa residential care units? IE: Covid or flu outbreak? How should contractors plan for these unforeseen delays in the construction schedule?

Response: Unplanned work interruptions are not foreseen but may be required. In the event of a required unplanned work interruption, the associated impact to schedule and/or casts will need to be assessed and reviewed with the contractors, Northern Health, ACML and the consultants.

5.12 **Question:** Will contractors need to check-in and out at the ACML office and the Peace Villa reception desk each day? Is there a requirement for a site office, and if so, can contractors check in and out from there instead of through ACML and Peace Villa?

Response: A site office is not mandated by the consultants and is at the discretion of the contractor, but is recommended. Should contractors choose to furnish a site office, then contractors can check in and out from there solely. If not, contractors will need to check in and out at the ACML office and Peace Villa reception daily.

5.13 **Question:** Will a covid-19 prescreening covid fit for duty questionnaire be required for all contractors on site daily?

Response: Yes, a daily fit for duty questionnaire is required for all contractors on site which includes COVID-19 and Influenza to protect the health of the vulnerable Peace Villa population.

5.14 **Question:** Is there a vaccine mandate for contractors working in the Hospital/Peace Villa?

Response: There is currently no COVID-19 vaccination mandate for contractors working in the Hospital/Peace Villa.

5.15 **Question:** We would like to request a 4 week extension to the bid closing date and the question period, our company, as well as our subcontractors and suppliers, have limited hours or are closed for the holidays from December 22 – January the 8th. Suggest extending the deadline until February 8th

Response: Refer to updated dates in Section 1.

5.16 **Question:** Due to the holidays and supplier timelines, we request the bid to be extended minimum to the middle of January 2024.

Response: Refer to updated dates in Section 1.

5.17 **Question:** Please provide:
.1 Scope of work for hoarding OR
.2 Cash allowance for hoarding OR
.3 Re-route Conduit to be installed Externally.

Response: Please refer to revisions in Section 1.

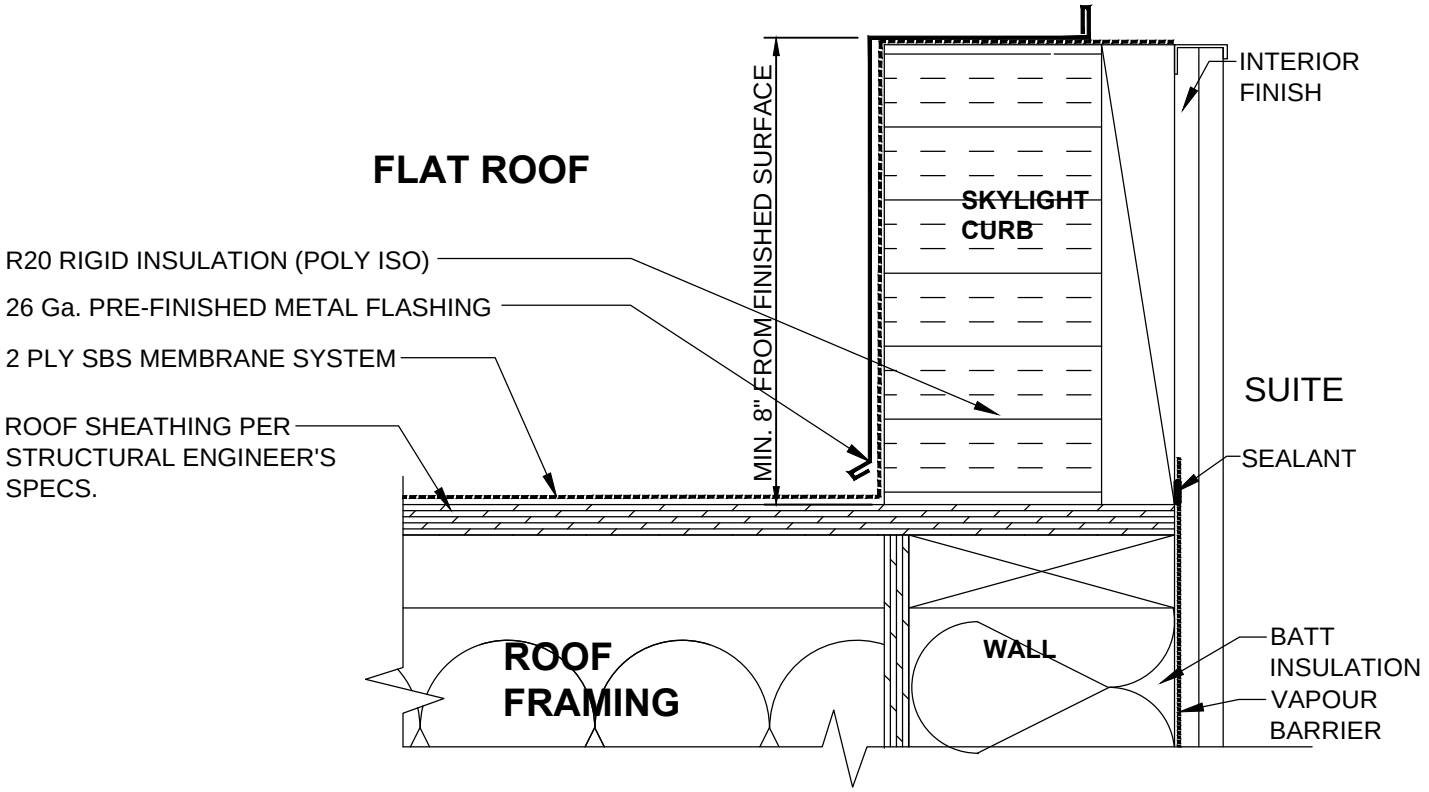
5.18 **Question:** Please provide all architectural and structural drawings for the areas.

Response: Refer to Section 3.

5.19 **Question:** Please provide fire rating details for any penetrations through fire rated walls.

Response: Refer to specifications 20 05 01 and 26 05 01 and Section 2 electrical routing revisions.

END OF ADDENDA

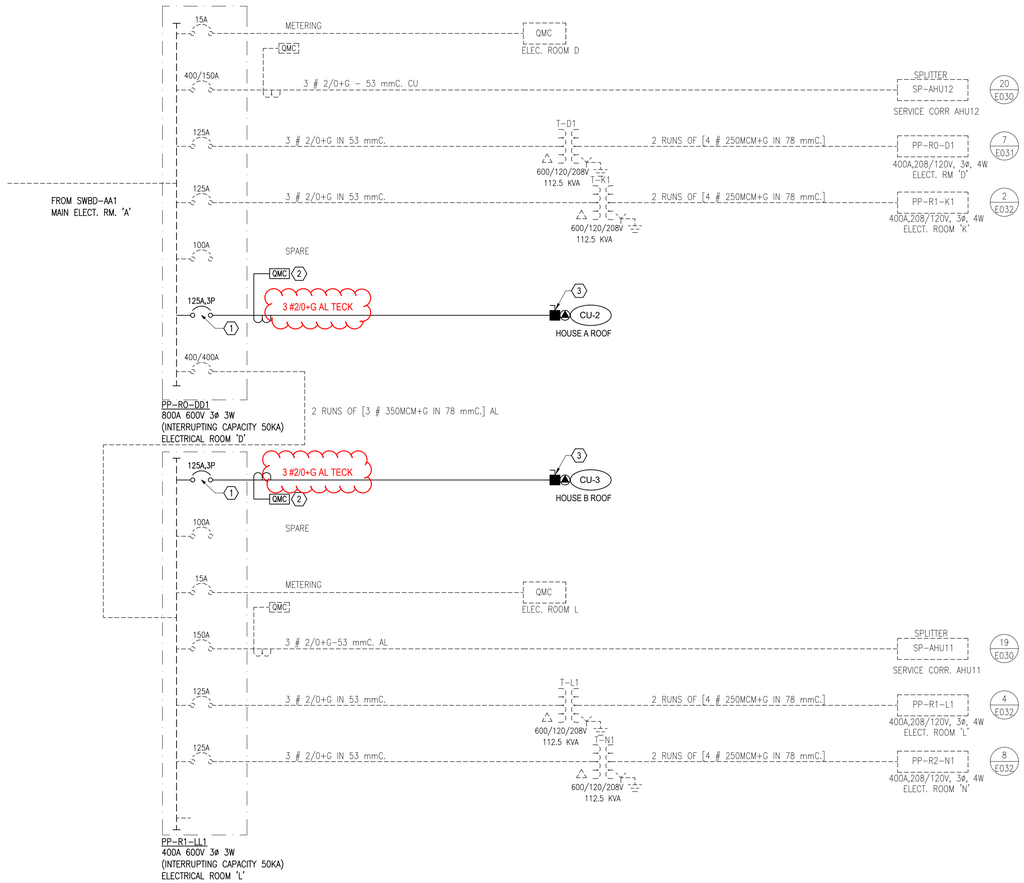


Apex BUILDING SCIENCES INCORPORATED
301D - 30721 Simpson Road,
Abbotsford, BC

EGBC PTP 1000190

Curb at Roof

DATE	Dec. 11 / 2023
SCALE	3" = 1'-0"
DWN.	SK
CH'D.	SK
PROJ. #	
SEAL	
DWG. #	



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.

HHAngus
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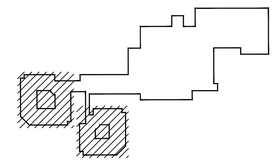
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
1	2023-12-22	ADDENDUM 1

DRAWING REVISIONS

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

DRAWING ISSUE

KEYPLAN:



NORTH:

SEAL:

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.
SCALE:	N.T.S.	CHECKED BY:	W.E.

DRAWING NUMBER:
E002

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PLOT DATE: 2023-12-08 - 16:40

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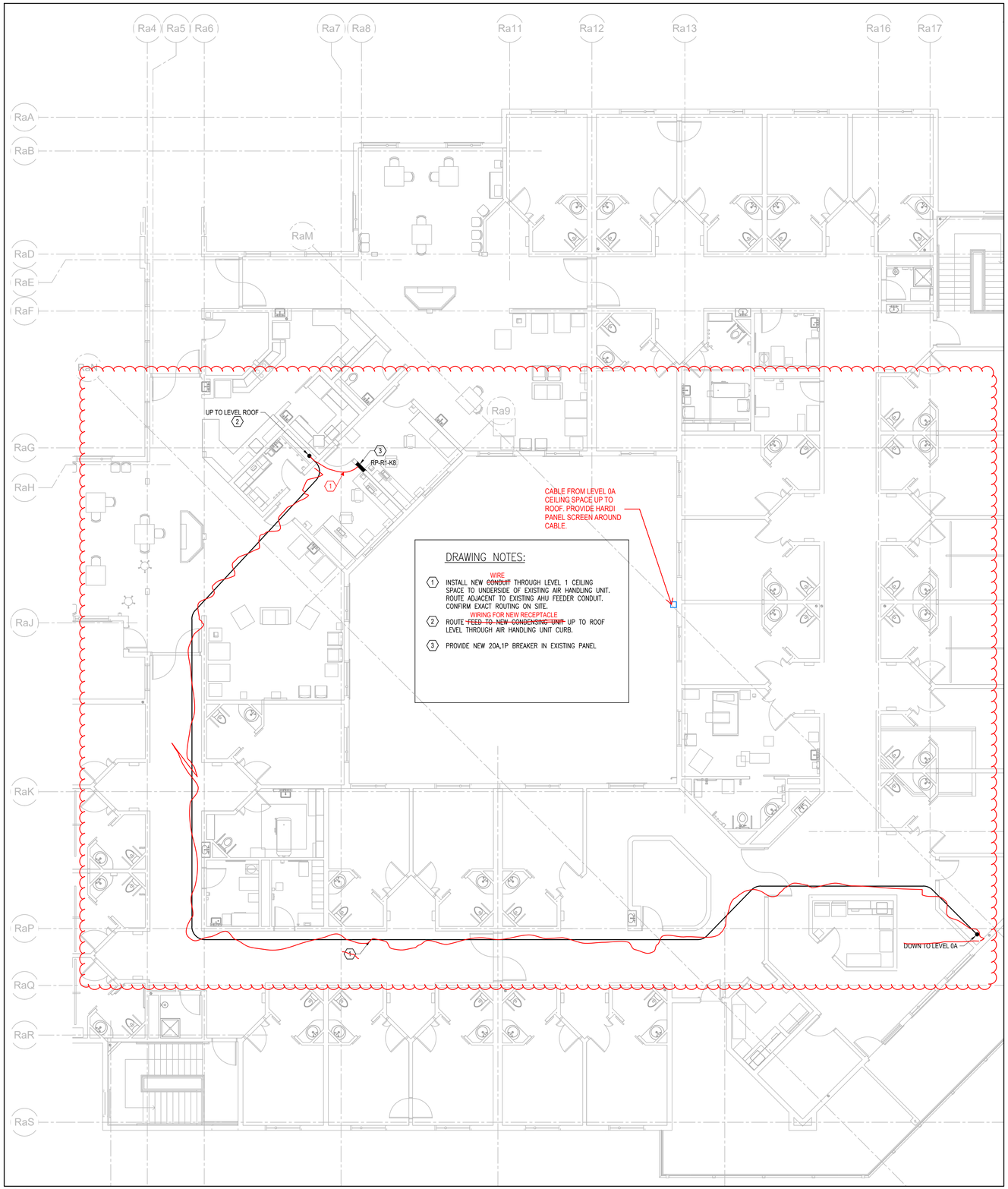
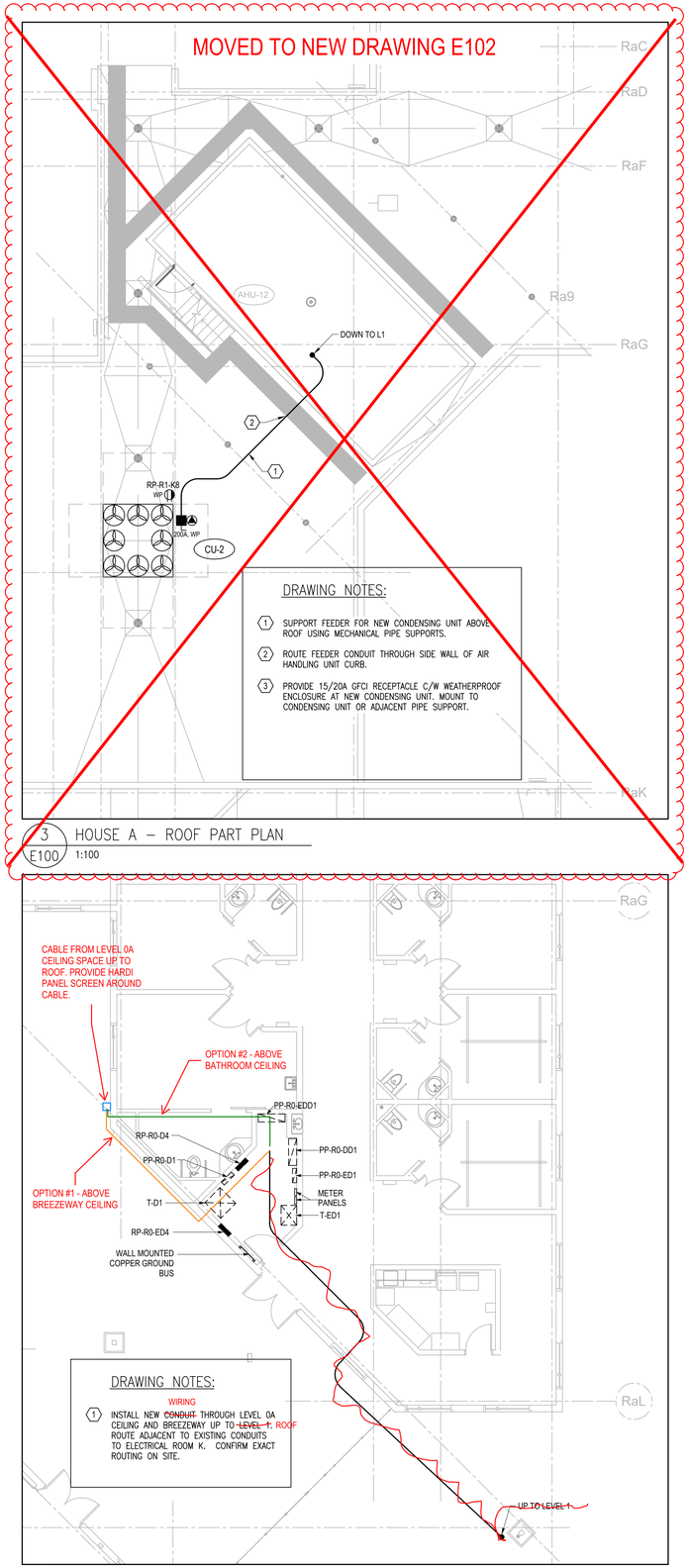


2 HOUSE A – LEVEL 1 PART PLAN
E100 1:100

MOVED TO NEW DRAWING E102



3 HOUSE A – ROOF PART PLAN
E100 1:100

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

500mm 100mm 50mm 0mm

FILENAME: P:\2023\0541 - FSJH Res Care Cooling Upgrade\Drg\elec\EDWG\E100 - Building A - Levels 0A and 1.dwg
PLOT DATE: 2023-12-28 - 16:41

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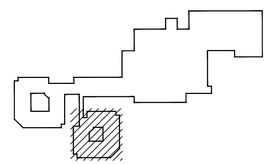
DRAWING REVISIONS

NO.	DATE (YYYY-MM-DD)	DESCRIPTION
1	2023-12-22	ADDENDUM 1

DRAWING ISSUE

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

KEYPLAN:



NORTH:

SEAL:

PROJECT:
FORT ST. JOHN HOSPITAL
RESIDENTIAL CARE COOLING UPGRADE

HHA PROJECT NUMBER: 223-0541

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

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SCALE:	1:100	CHECKED BY:	W.E.

DRAWING NUMBER:
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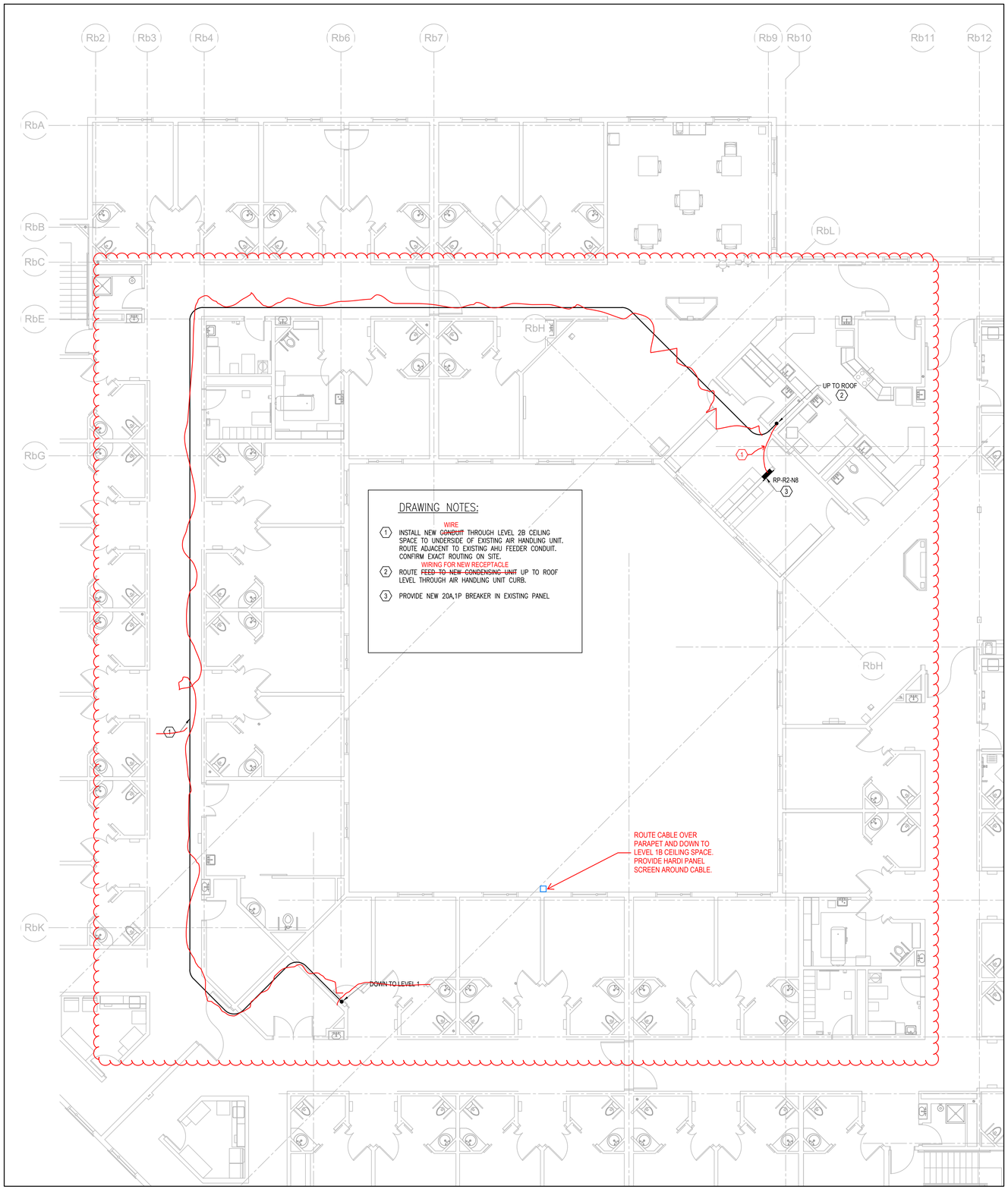

2 HOUSE B – LEVEL 2B PART PLAN
E101 1:100

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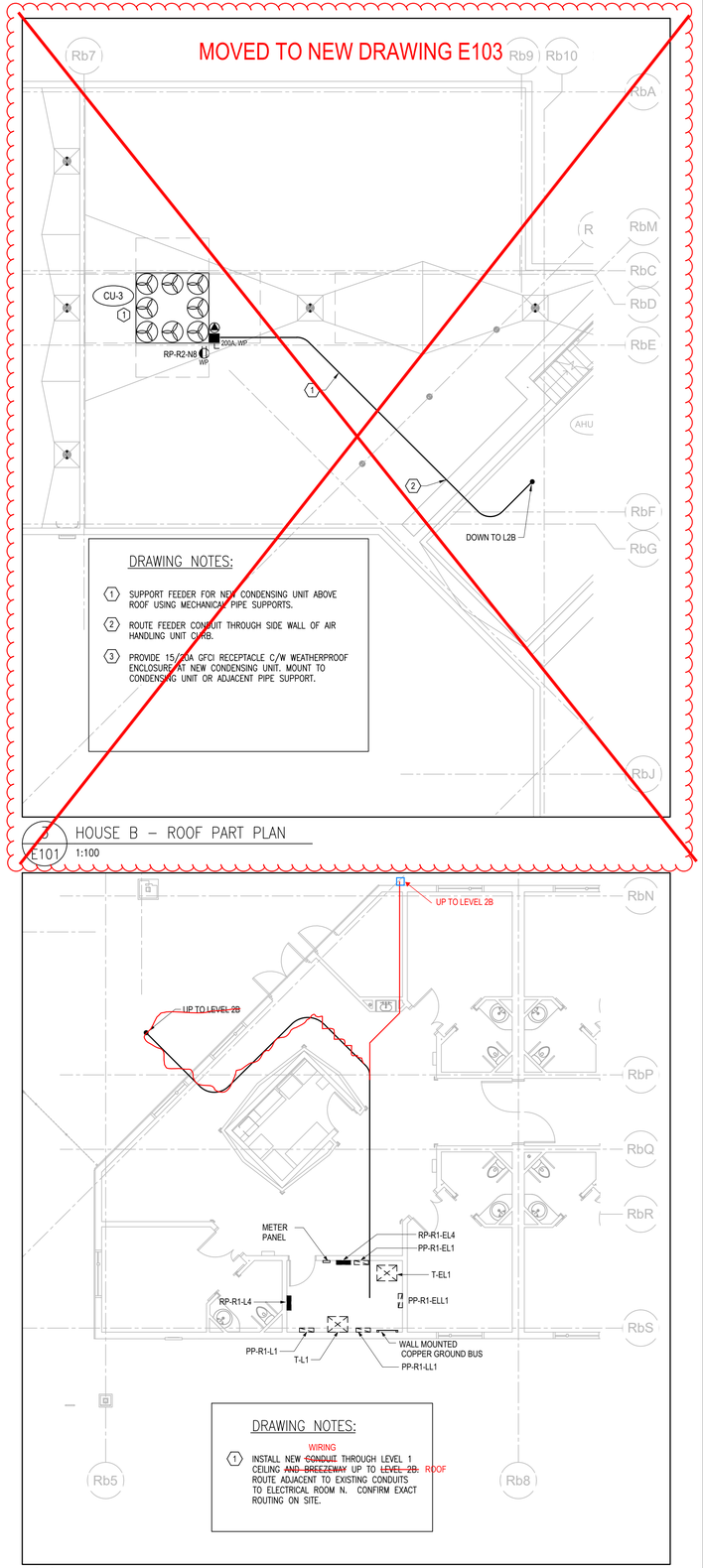

3 HOUSE B – ROOF PART PLAN
E101 1:100

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

500mm | 100mm | 50mm | 0mm

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PLOT DATE: 2023-12-28 - 16:41

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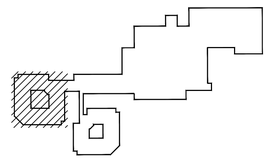
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
1	2023-12-22	ADDENDUM 1

DRAWING REVISIONS

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

DRAWING ISSUE

KEYPLAN:



NORTH:

SEAL:

PROJECT:
FORT ST. JOHN HOSPITAL
RESIDENTIAL CARE COOLING UPGRADE

HHA PROJECT NUMBER: 223-0541

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

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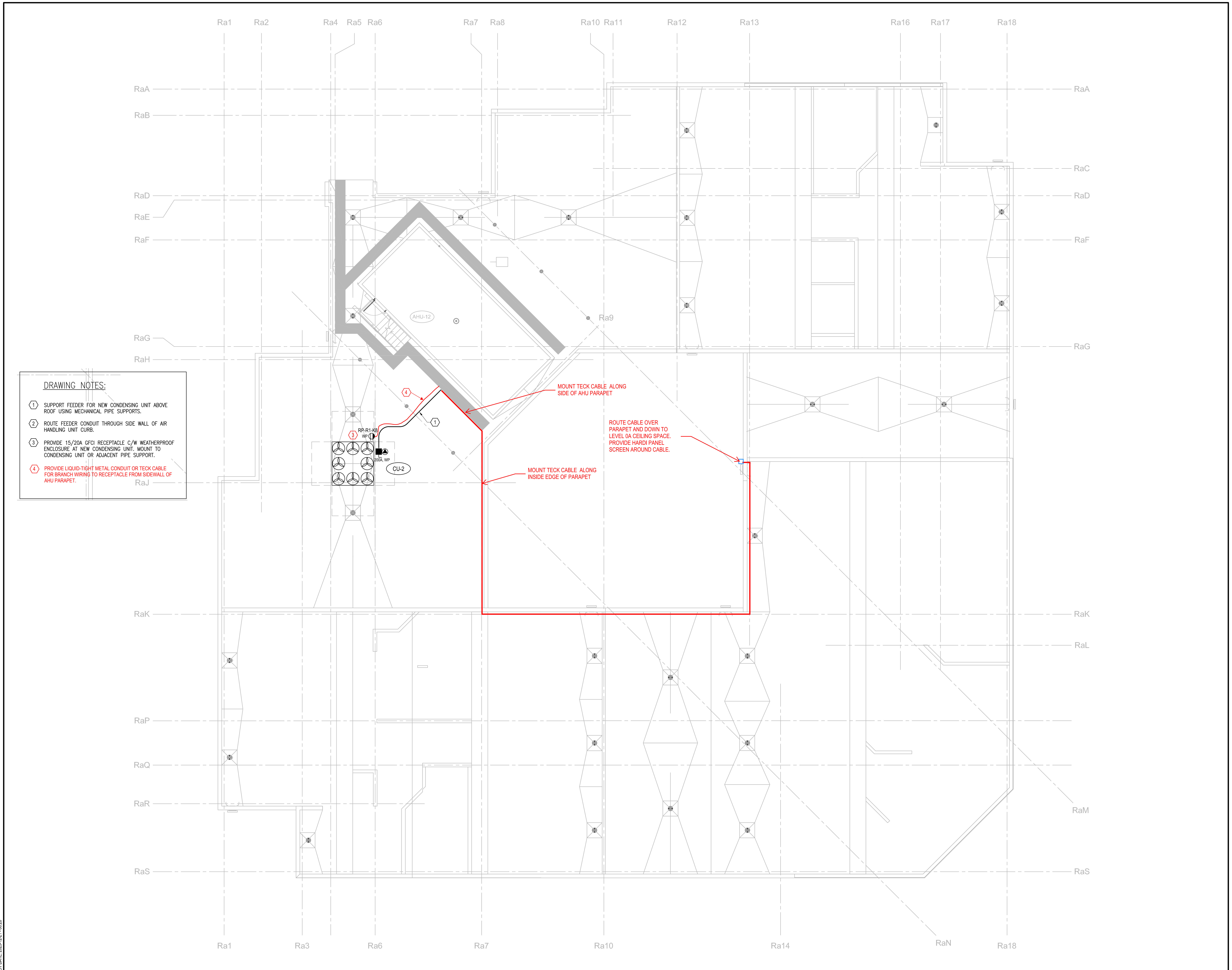

DRAWING NOTES:

1. SUPPORT FEEDER FOR NEW CONDENSING UNIT ABOVE ROOF USING MECHANICAL PIPE SUPPORTS.
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 TO RECEPTACLE FROM SIDEWALL OF AHU PARAPET.

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PLOT DATE: 2023-12-21 - 00:28

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BushBohlman &Partners
Consulting Structural Engineers
1550—1500 West Georgia St.
Vancouver, BC V6G 2Z6
604 688 9861
bushbohlman.com

NO.	DATE (YYYY-MM-DD)	DESCRIPTION
1	2023-12-22	ADDENDUM 1

DRAWING REVISIONS

NO.	DATE (YYYY-MM-DD)	DESCRIPTION

DRAWING ISSUE

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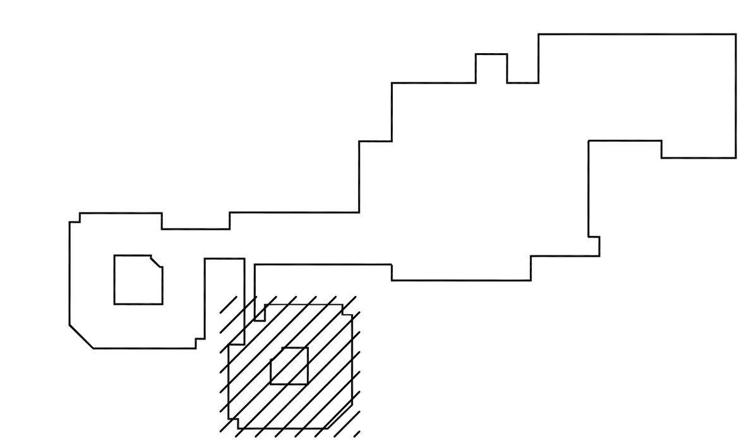

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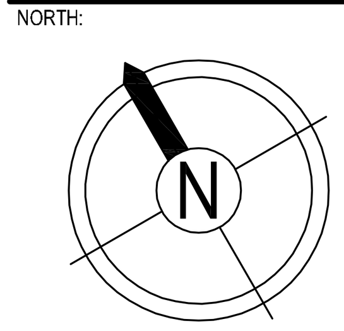

SEAL:

PROJECT:
FORT ST. JOHN HOSPITAL RESIDENTIAL CARE COOLING UPGRADE

HHA PROJECT NUMBER: 2230541

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BUILDING A - ROOF LEVEL - NEW

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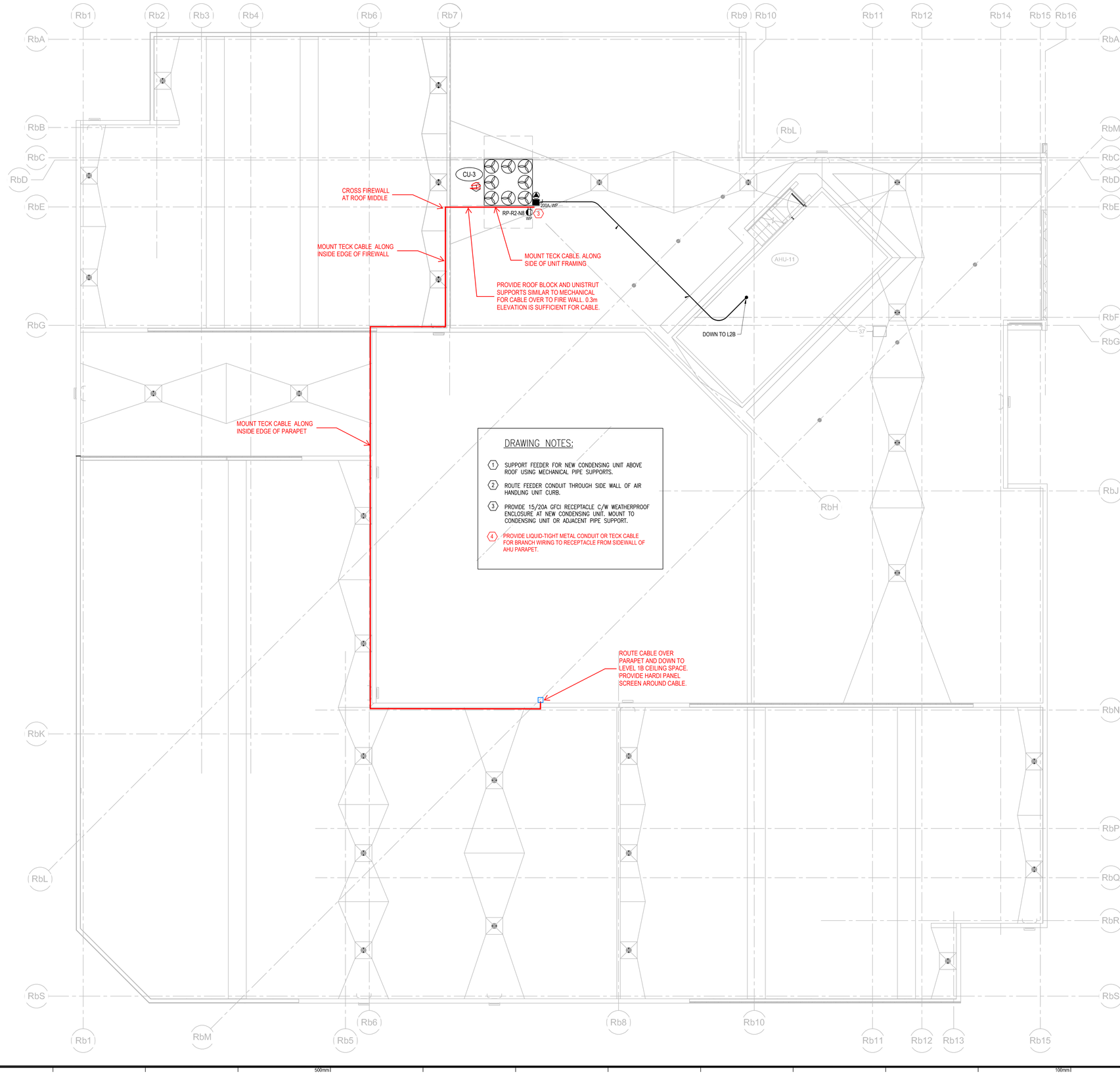

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PLOT DATE: 2023-12-21 - 09:14

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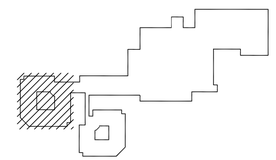
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
1	2023-12-22	ADDENDUM 1

DRAWING REVISIONS

NO.	DATE (YYYY-MM-DD)	DESCRIPTION

DRAWING ISSUE

KEYPLAN:



NORTH:

SEAL:

PROJECT:
FORT ST. JOHN HOSPITAL RESIDENTIAL CARE COOLING UPGRADE

HHA PROJECT NUMBER: 2230541

DRAWING TITLE:
BUILDING B - ROOF LEVEL - NEW

PAGE SIZE:	ARCH D	DRAWN BY:	
SCALE:	1:100	CHECKED BY:	

DRAWING NUMBER:
E103

Phone: 1-888-524-5050
www.northerncables.com

TECK90 – ALUMINUM CONDUCTOR

3 CONDUCTOR #6 AWG THRU 750 kcmil
XLPE/ALUMINUM ARMOURED/1000 V, (-40°C) CSA

MAY 2018

(3 conductor shown)

Conductor:
6 AWG. Thru 750 kcmil, aluminum
(8000 series aluminum) compact class “B” strand

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
black, red, blue

Bonding Conductor (Ground):
One (1) bare stranded bare aluminum
(ACM) conductor

Inner jacket:
Polyvinyl Chloride (PVC), black

Armour:
Aluminum interlocked armour

Outer Jacket:
Low acid gas, flame-retardant, moisture and
sunlight resistant Polyvinyl Chloride (PVC), black

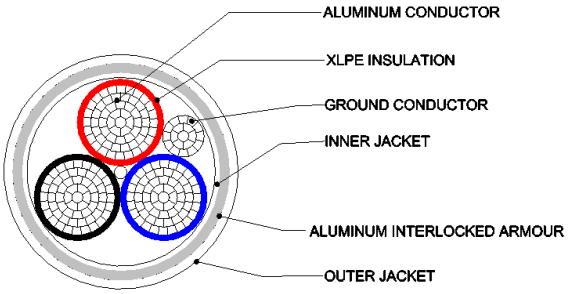
Print:
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)
CMPCT AL (ACM) TECK90 XLPE 1000V HL FT4 (-40C)
SUN RES AG14 CSA, METRE MARK

CSA Licence:
LL109933

Applications:
For concealed wiring in dry or wet locations
For exposed wiring in dry or wet locations
For exposed and wiring in dry, locations where subjected to corrosive action if suitable for corrosive conditions encountered
For exposed wiring where subjected to the weather
For use in ventilated, Non-ventilated and ladder-type cable trays in dry or wet locations
For direct earth burial (with protection as required by inspection authority)
For service entrance above or below ground

Features:
Rated at 90°C wet or dry
Excellent crush resistance
Provides long service life
Cost effective alternative to installations in conduit
Meets cold bend and impact tests at (-40°C)

Compliances:
Industry compliances: CSA Standard C22.2 No. 131, No.38 and No.2256, RoHS
Flame test compliances: CSA FT4
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket and insulated conductor available upon request, Direct Burial
Acid Gas: CSA AG14



PART NO.	NO OF COND.	COND. SIZE (AWG/ kcmil)	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						NET WEIGHT		AMPACITY AT 90° C
						INNER JACKET		ARMOUR		CABLE				
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	KG/KM	LBS/ 1000'	
801488	3	6	8	0.060	1.52	0.746	18.9	0.946	24.03	1.033	26.24	675	454	55
801456	3	4	6	0.060	1.52	0.885	22.5	1.135	28.83	1.222	31.04	951	639	75
801455	3	2	6	0.060	1.52	1.014	25.8	1.264	32.11	1.351	34.32	1199	806	100
801458	3	1	4	0.080	2.03	1.163	29.5	1.413	35.89	1.5	38.10	1366	918	115
802221	3	1/0	4	0.080	2.03	1.242	31.5	1.492	37.90	1.595	40.51	1525	1025	135
801466	3	2/0	4	0.080	2.03	1.330	33.8	1.580	40.13	1.685	42.80	1750	1176	150
801465	3	3/0	4	0.080	2.03	1.429	36.3	1.679	42.65	1.784	45.31	1984	1333	175
801464	3	4/0	2	0.080	2.03	1.541	39.1	1.841	46.76	1.946	49.43	2402	1614	205
801480	3	250	2	0.090	2.29	1.742	44.2	2.042	51.87	2.147	54.53	2899	1948	230
801472	3	300	2	0.090	2.29	1.847	46.9	2.147	54.53	2.252	57.20	3274	2200	260
802090	3	350	2	0.090	2.29	1.961	49.8	2.261	57.43	2.392	60.76	3527	2370	280
801470	3	400	1	0.090	2.29	2.039	51.8	2.339	59.41	2.470	62.74	3943	2650	305
801463	3	500	1	0.090	2.29	2.206	56.0	2.506	63.65	2.637	66.98	4547	3056	350
801748	3	600	1	0.090	2.29	2.374	60.3	2.674	67.92	2.805	71.25	5138	3453	385
801473	3	750	1/0	0.090	2.29	2.591	65.8	2.891	73.43	3.042	77.27	6029	4051	435

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1