

**ADDENDA
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.

GENERAL:

1 FRONT END SPECIFICATIONS

1.1 Reference Specification Section: 00 21 13 – Instruction to Bidders

- .1 Revise '1.2 Submission requirements .1' to read as follows:

Bids are to be electronically submitted, clearly identifying the name of the Bidder, and clearly marked:

BID FOR: Fort St. John Hospital – CT Scanner Replacement

ATTN: Claudia Sorgini/Rita Patel @ Claudia.sorgini@hhangus.com/rita.patel@hhangus.com

- .2 Revise email under '2.3 Questions arising during the bidding period to be directed to:' to claudia.sorgini@hhangus.com.

- .3 Revise '6 Bid Depository' to read:

Conform to Rules and Instructions of the Bid Depository. Supplementary data called for in the Supplementary Bid Form must be submitted with the standard Bid in the electronic submission of each General Contractor either by transfer to the standard form or by inclusion of the Supplementary Bid Form with the standard form.

- .4 Revise '8.1' to read: Bidders to include with their Bid a Bid Bond made payable to **Angus Consulting Management Limited (ACML)** for the amount of 15% of the Bid Price as evidence of good faith that, if awarded the Contract, the Bidder will execute and enter into a formal agreement within the time required and will furnish the security required to secure the performance of the terms and conditions of the Contract.

1.2 Reference Specification Section: 00 41 13 – Bid Form – Stipulated Sum – Single Prime Contract

- .1 See attached, at the end of the addendum, for revised bid form.

CONTRACTOR QUESTIONS

1.3 Question: We will also need to know what levels of hoarding/infectious controls will be necessary in which areas of work. I think the list below should capture the main areas.

1. CT scanner room (we assumed this would need to be exhausted outside)
2. Hallway going past Pharmacy where the electrical conduit needs to be run
3. Storage room where the coring/structural support is going under the machine
4. Fan room

Response: Items 1-3 are to follow IPAC procedures outlined in CSA Z317.13, including but not limited to section 7. Exhaust may be directed outside or back into the return air system, via a HEPA filtered unit. Do not direct back into the surrounding corridor. Work outside main renovation area is to be performed in IPAC cubes or temporary poly hoarding, which can only remain in place after hours. The fan room does not require any IPAC, other than cleaning the area of general dust and debris prior to handover.

1.4 Question: Which walls go to slab?

Response: For bidding purposes assume walls do not go to slab.

1.5 Question: Who should the bonds be made out to?

Response: See revised front end specifications above.

1.6 Question: Is electronic submission of bids acceptable?

Response: See revised front end specifications above.

1.7 Question: Can electronic bid modifications be considered as it will be very difficult to close in Don Mills especially given some trades price minutes before GC closing.. Suggest sending hard copies in advance and modify by fax or email or do the entire bid process electronically.

Response: See revised front end specifications above.

1.8 Question: Also can you clarify if this is bid depository for trades. I believe the intent is not to close M & E through the bid depository however there is a reference in " Instructions to Bidders – 6.6.1 Bid Depository)

Response: See revised front end specification above. For clarity, General Contractor is to carry all sub-trades and their respective pricing and include as part of their total bid price.

1.9 Question: Tender Form 1.2 Bid Price – are we to include GST in this price but exclude PST that will be added to 1.2 per 1.3 Provincial Sales Tax ?

Response: Revise Bid form as per the attached at the end of this addendum. For clarity, 1.2 is to include no taxes.

2 ADDITIONAL CONSIDERATIONS

See below for comments from facilities:

The Spect CT project requires work beneath the floor that will impact the ceiling space above level 0 Pharmacy and Stores. For the Pharmacy dept and staff, this means removing all access to the back pharmacy entrance, back corridor, and the three rooms accessible only through the back corridor. Discussion at the site walk suggested that the hoarding would be extend from corner to corner per the arrow below. It was at that time that I realized this would remove the second egress/exit for the staff to use which is mandatory both for fire egress but also WH&S. I did mention within the site walk that the hoarding would need to include a door that would allow for Pharmacy staff to use as a second exit in case of Emergency.

After the meeting, I had additional discussion with the Pharmacy manager to discuss these impacts. Sharing the following notes and factors that need to be considered by the bids on this project:

- With hoarding wall extending from corner to corner (top arrow in first picture below), and the installation of a door for use by Pharmacy staff, this door should only allow for exit from Pharmacy side into back corridor, and must not permit access from back corridor (inside hoarding) into main Pharmacy dept.
- As mentioned by one of the sub contractors, an anti room would need to be included as there would not be ability to seal the door; this anti room must be small enough to not impact access to the chemo anti room (shown in third picture) or the pharmacy fridge across from the door (shown in first picture)
- The current alarm system for inside the Pharmacy dept has alarm monitoring at both doors into the dept and motion sensors throughout. The alarm system will need to be segregated to allow for the alarm at the back entrance to be temporarily shut down, but the rest of the alarms to remain fully operational. Likewise for the motion sensors, turning off only those that will be located inside the hoarding.
- Request to remove white board and temporarily store in the staff lounge to avoid damage





MECHANICAL:

3 MECHANICAL SPECIFICATIONS

3.1 Reference Specification Section: 23 05 01 – HVAC Piping Systems General Requirements

.1 Revise the table in '1.7 Design Criteria – Hot Water Heating Systems' as per the below clipping.

System Type	Supply Temp. °C (°F)	Return Temp. °C (°F)	Design Temp. °C (°F)	Maximum Operating Pressure kPa (psig)	Design Pressure kPa (psig)
Terminal Reheat System	30 (86)	21.1 (70)	77 (170)	900 (125)	-

4 CONTRACTOR QUESTIONS

4.1 Question: Requirement for duct cleaning.

Response: All new ductwork is to be cleaned at end of project. Only existing ductwork to be cleaned is the LLE grilles and associated ductwork within CT Scanner room as noted on drawings.

4.2 Question: Will condensing unit fit in location as noted on drawings?

Response: Location is good. Account for relocating of disconnect switch on existing condenser in order to allow installation of new condenser.

ELECTRICAL:

5 CONTRACTOR QUESTIONS

5.1 Question: Reference drawing E-4, please confirm if communication cabling is required for the new patient monitoring cameras.

Response: Communications cabling is required for new patient monitoring camera.

5.2 Question: Reference drawing E-3 detail 1 note 2, please confirm if the electrical contractor is to provide a new warning light.

Response: New warning light is not required. Re-use existing 120V warning light and circuit wiring, but provide new controls for existing light to work with the new machine.

5.3 Question: A feeder is required from P0-H0-ECC2 to the new CT Scanner, please clarify which path we are to use to route this feeder as the shorter most direct path to run this feeder would have to go through the operating pharmacy.

Response: Response to be issued in separate addendum.

5.4 Question: Please confirm if patient reference ground testing is required

Response: Receptacles within CT treatment room should be tested per CSA Z32, including ground rise to ensure they are still compliant. (Original test was in Q2 2012) Testing outside room not required.

5.5 Question: Please confirm which areas of work will require infection control

Response: Refer to question 1.3 above.

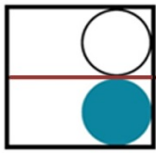
STRUCTURAL:

6 CONTRACTOR QUESTIONS

6.1 Question: Can the existing "angled" support angle under existing CT Scanner be re-used, or it does it need to be added to the scope to remove it.

Response: Refer to structural engineer's response attached.

END OF ADDENDA



ADDENDUM No. 1

TO: HH Angus & Associates
1127 Leslie Street
Toronto, ON M3C 2J6

DATE: May 20, 2020

ATTENTION: Claudia Sorgini

FROM: Daniel Waive

PROJECT: Fort St. John Hospital CT Scanner Replacement

PROJECT No.: 7763

PAGES: 1

This addendum forms part of the Contract Documents and is to be read, interpreted, and coordinated with all other parts. The cost of work contained herein is included in the contract sum. The specifications and drawings are complementary. Items listed under the specification in this addendum and having influence on the drawings are deemed to alter the drawings. Items listed in the drawings in this addendum and having influence on the specifications are deemed to alter the specification.

DRAWINGS:

1. S1.0 – GENERAL NOTES, LEVEL 1 PLAN, SECTION & DETAILS

1. Add note to instruct the removal of the existing four L200x200x10 support angles under the new CT scanner.

ATTACHMENTS:

S1.0

Regards,

Daniel Waive, EIT
Project Engineer
Bush, Bohlman & Partners LLP

GENERAL NOTES

DESIGN LOADS

1. THIS RENOVATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE BRITISH COLUMBIA BUILDING CODE 2018 EDITION.
2. THIS BUILDING HAS BEEN ASSIGNED AN IMPORTANCE CATEGORY OF "POST DISASTER", Is=1.25, Iw=1.25, & Ie=1.5

GRAVITY LOADS		
AREA	LIVE/SNOW	SUPERIMPOSED DEAD
FLOORS	4.8 kPa	1.0 kPa
CORRIDORS & STAIRS	4.8 kPa	0.0 kPa

3. SEISMIC LOADS: (PARTS AND PORTIONS)

Sa (0.2) = 0.145, Sa (0.5) = 0.094
Sa (1.0) = 0.093, Sa (2.0) = 0.026
SITE CLASS 'C'
Cd = 1.0, Ar = 2.50, Fa = 1.0
Ax = 1.0
Rp = 2.50
Sp = Cd Ar Ax / Rp
Vp = 0.01 Wp

GENERAL

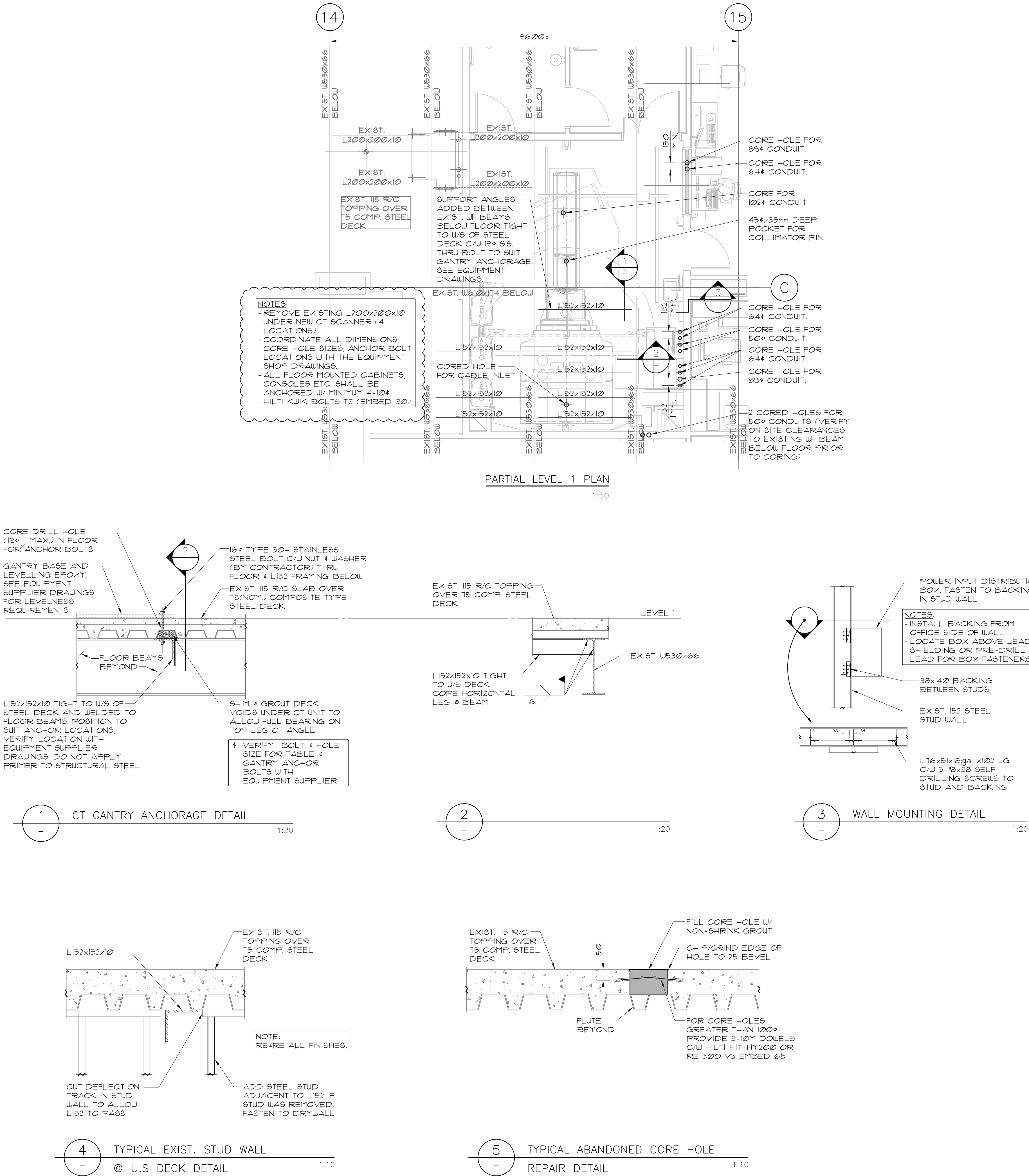
1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND OTHER ENGINEERING DISCIPLINE'S DRAWINGS. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
2. THESE DRAWINGS TO BE READ IN CONJUNCTION AND CO-ORDINATED WITH THE EQUIPMENT MANUFACTURER AND SUPPLIERS DRAWINGS AND DETAILS. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
3. CONFIRM ALL EXISTING DIMENSIONS AND DETAILS ON SITE PRIOR TO START OF PREPARATION OF SHOP DRAWINGS AND FABRICATION OF MATERIAL.
4. PROTECT EXISTING BUILDING COMPONENTS FROM DAMAGE DURING CONSTRUCTION.

STRUCTURAL STEEL

1. DESIGN OF STRUCTURAL STEEL MEMBERS AND CONNECTIONS TO BE IN ACCORDANCE WITH CSA S16-14.
2. WORKMANSHIP AND FABRICATION TO BE IN ACCORDANCE WITH CSA S16.
3. WELDING TO CONFORM TO CSA W59, FABRICATOR AND ERECTOR TO BE FULLY APPROVED BY THE CANADIAN WELDING BUREAU TO CSA W47.1. DIVISION 1 OR DIVISION 2 ALL WELDERS TO BE CWB CERTIFIED.
4. STRUCTURAL STEEL ANGLES, PLATES, WELDED WIDE FLANGES, AND CHANNELS TO CONFORM TO CSA G40.21-M, GRADE 300W.
5. SHOP DRAWINGS OF STRUCTURAL STEELWORK TO BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
6. ALL 'STANDARD' AND 'TYPICAL DETAILS' SHOWN ON THE DRAWINGS APPLY TO ALL STEELWORK WHETHER SPECIFICALLY REFERENCED ON PLANS OR NOT.

CONCRETE ANCHORS

1. DRILLING SHALL BE PERFORMED WITH A ROTARY HAMMER DRILL AND CARBIDE TIPPED DRILL BIT IN ACCORDANCE WITH INSTRUCTIONS ACCOMPANYING ADHESIVE CARTRIDGES. ALTERNATE DRILLING METHODS, SUCH AS DIAMOND CORING, MUST BE APPROVED BY CONSULTANT.
2. PRIOR TO CONSTRUCTION, TRAIN ALL PERSONNEL INVOLVED IN INSTALLATION ON-SITE BY HILTI REPRESENTATIVE. ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS. PROCEDURES SHALL INCLUDE INSTALLATION OF ADHESIVE RODS OR REINFORCING IN DOWNWARD, HORIZONTAL AND OVERHEAD CONFIGURATIONS. INSTALLERS TO PROVIDE PROOF OF TRAINING UPON REQUEST.
3. ALTERNATE FASTENING SYSTEMS PROPOSED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW AND APPROVAL. MANUFACTURER'S PUBLISHED DATA INCLUDING LOAD RESISTANCE, IN-SERVICE AND INSTALLATION TEMPERATURE, CREEP TESTING, FREEZE/THAW TESTING, COMPREHENSIVE INSTALLATION INSTRUCTIONS AND AVAILABILITY OF ON-SITE TRAINING MUST BE INCLUDED IN PROPOSAL.
4. MECHANICAL ANCHORS TO BE HILTI KWIK BOLT-TZ, UNO ON DRAWINGS.



Sub-Consultant:

KUMLI SULLIVAN
ARCHITECTURE STUDIO LTD.
310, 5819, 2 Street S.W.
Calgary, Alberta T2H 0H3
Phone: (403) 283-8361
Fax: (403) 252-7877

Sub-Consultant:

BUSH, BOHLMAN & PARTNERS LLP
consulting structural engineers
Suite 1550 - 1500 West Georgia Street, Vancouver, BC V6G 2Z6 | www.bushbohlman.com

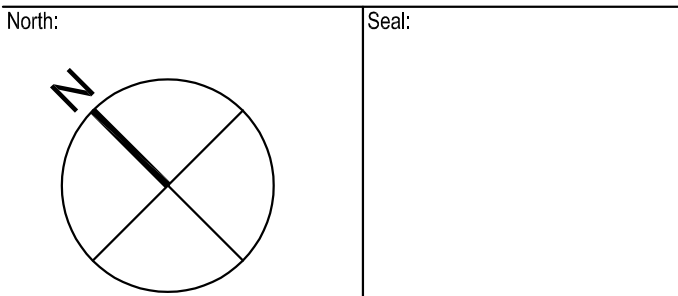
Sub-Consultant:

ISSUED:

No.	Date	Description
1	2020/02/13	ISSUED FOR 50% REVIEW
2	2020/02/26	ISSUED FOR 100% CD SIGNOFF
3	2020/04/30	ISSUED FOR TENDER
4	2020/05/20	ISSUED FOR ADDENDUM 1

Client:

Keyplan:



Project:

FORT ST. JOHN HOSPITAL
CT SCANNER REPLACEMENT

HHA Project Number: 219-1374
BBP Project Number: 7763
Drawing Title:

GENERAL NOTES,
LEVEL 1 PLAN,
SECTIONS AND DETAILS

Designed by: Reviewed by:

Drawing Number:

S1.0

Scale: AS NOTED Revision No: 3

BID FORM - STIPULATED SUM - SINGLE PRIME CONTRACT
00 41 13

TO: **Angus Consulting Management Limited (ACML)**

c/o: H.H. Angus & Associates Ltd.
1127 Leslie Street
Don Mills, Ontario
M3C 2J6

BIDDER _____

ADDRESS _____

TELEPHONE _____

1 BID PRICE

- .1 Having examined the Contract Documents, Drawings, Specifications and Addenda prepared by H. H. Angus & Associates Limited for

CT Scanner Replacement

as well as the premises and conditions affecting the work, we offer to furnish plant, labour, services, equipment and materials necessary for the work for the price stated herein in lawful money of Canada.

- .2 The price includes overhead and profit, insurance, warranties, transportation charges, Provincial Sales Taxes and other related fees and charges.

1.2 Stipulated Sum (no tax) _____

_____ Dollars (\$) _____

1.3 Provincial Sales Tax _____

_____ Dollars (\$) _____

1.4 Goods and Services Tax _____

_____ Dollars (\$) _____

2 SCHEDULE

- .1 Our Bid is in accordance with the requirements of the Instructions to Bidders.
- .2 We will start preparation of shop drawings immediately on receipt of a Letter of Intent, and commence the work in _____ days after award of Contract. We will complete the work [_____ weeks after commencing in accordance with the schedule of work in the Documents.
- .3 The Bid Price includes costs on account of premium time or overtime work required in order to meet the above-mentioned completion date, whether or not such work is done by the Contractor's own work force or by sub-contractors.

3 DOCUMENTS

- .1 The undersigned submits that he has carefully examined the site of the proposed work, existing conditions, as well as the Drawings listed in the List of Drawings.
- .2 Also, he has thoroughly reviewed the Instructions to Bidders, Bid Form, General Conditions, Supplementary Conditions, Specifications listed in the Table of Contents, and the following Addenda and hereby accepts and agrees to the same as forming part and parcel of the proposed Contract.

Addendum No. _____ dated _____

Addendum No. _____ dated _____

Addendum No. _____ dated _____

4 BONDS

- .1 The following required items are submitted herewith.

Bid Bond
Agreement to Bond

5 EXECUTE CONTRACT

- .1 If notified of the acceptance of this offer within ninety (90) days of the closing of Bids, we will:
 - .1 Execute a Contract with the Owner for same in the form of the Canadian Standard Construction Document - CCDC2-2008.
 - .2 Furnish bonds as set out in the Instructions to Bidders
 - .3 When requested by the Owner, perform additional work at the percentages set forth in the Supplementary General Conditions Article 18.

6 WORK SUBLET

- .1 Listed below are the names of sub-contractors and the extent of work sublet:

Work Sublet

Name

Mechanical Contractor: _____

Electrical Contractor: _____

- .2 We reserve the right to substitute other sub-contractors for any trades in the event of any sub-contractor withdrawing his Bid or becoming bankrupt after the award of Contract. Any such substitution shall be subject to the approval of the Owner, and contingent upon evidence of withdrawal or bankruptcy, satisfactory to the Consultant.

7 ALTERNATE MANUFACTURERS, MATERIALS, AND EQUIPMENT

- .1 The following are proposed alternates with the price adjustment if the alternate is accepted. Each price adjustment is inclusive of PST, and exclusive of GST.

Item	Manufacturer	Addition	Deduction

8 ITEMIZED PRICE

- .1 Not Applicable

9 SEPARATE PRICE

- .1 Not Applicable

10 UNIT PRICES

- .1 Not Applicable

11 CASH ALLOWANCE

- .1 The Bid Price includes the following specified Cash Allowances.

Unforeseen	Dollars	\$ 30,000

Date	_____	SIGNATURE	_____
		COMPANY	_____
Seal			_____
		ADDRESS	_____

END OF SECTION

NOT FOR CONSTRUCTION