ADDENDUM – INVITATION TO TENDER FOR INDIAN HEAD RESEARCH FARM CONTRACT NO. 22 – BUILDING RENOVATIONS CONTRACT #465-1-4-C22

Addendum No. 2

- 1. Addendum #2 as detailed in the attached document prepared by Carcoana Architecture Ltd dated March 16, 2015 (4 pages)
- 2. There is no change to the date of receipt of tenders which is 2:00 pm Local Regina Time, Thursday March 19, 2015.
- 3. <u>Instructions to Tenderers</u>: The tenderer shall acknowledge receipt of this Addendum #2 on the first page of the Bid and Acceptance Form.

Melissa Smith Procurement Officer AAFC Regina, Saskatchewan S4P 0M3



ADDENDUM #2

Project: Indian Head Research Farm Maintenance Building B017 Remodeling

Project No. : 4748

Date : March 16, 2015

The following amendments to plans and specifications shall be incorporated into and form part of the Contract the same as if these had been written into the original plans and specifications: Reference to specifications also applies to drawings with or without specific reference thereto and vice versa. All bidders shall read the entire Addendum and take into account items affecting their respective responsibilities.

SUBSTITUTIONS APPROVALS

The following products / product lines have been approved as equals to the ones specified. The Contractor shall ensure that the equal product meets or exceeds the performance in all respects of the original product specified (refer to MECHANICAL):

- 1. CARRIER Furnaces (Lennox, Armstrong Specified)
- 2. CARRIER Condensing Units (Lennox, Allied Specified)

See also the Mechanical Engineer signed approval sheet attached to this Addendum No. 2.

The following revisions shall be made to the DRAWINGS:

MECHANICAL DRAWINGS

The following revisions shall be made to the MECHANICAL DRAWINGS issued in Addendum No. 1:

1. Replace Mechanical Drawings Sheets M6.2 through M6.4, with the Updated Drawings issued under this Addendum No. 2. NOTE: additional clarifications have been added on each one of these two mechanical drawing sheets.

END OF ADDENDUM #2

REQUEST FOR EQUAL STATUS



NU-TREND INDUSTRIES INC.

1124 WINNIPEG Street

REGINA, SK. S4R 1J6

PHONE: (306) 525 - 8521

FAX: (306) 352 - 2877

TO:

McGinn Engineering

DATE:

March 13/15

PROJECT:

Indian Head Research Farm

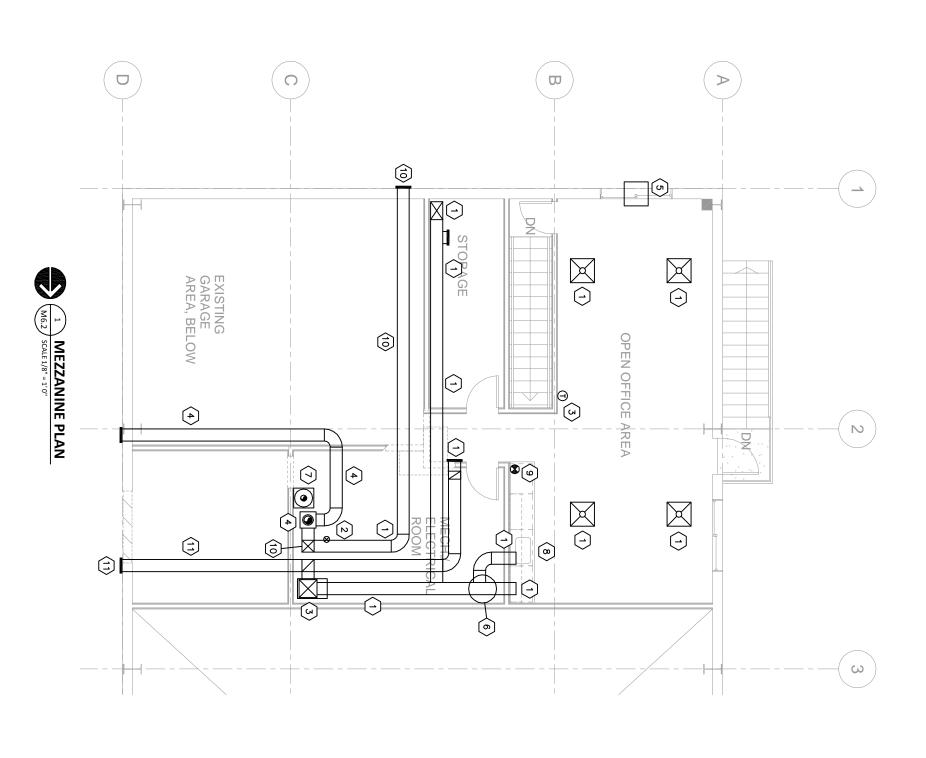
ATTENTION:

Guy

BID CLOSING:

March 19/15

SPECIFIED	QUIPMENT BE CONSIDERED EQUAL TO THOSE SPECIFIED EQUAL	APPROVED
urnaces		1
ennox	Carrier	
Condensing Units		
ennox	Carrier	
	Approved as equal of conn Engineering 14d. of and 13, 2015 Engine Ensure equal product mades except the performance in a ragate of the engine prod Specifiel.	teres teres
		eroeth san Nechlad e skoolin is an agus gang ser taat til 1800 til 1800 til 1800



MECHANICAL GENERAL NOTES

1. SEE DRAWING M6.1 FOR MECHANICAL DEMOLITION NOTES.

Carcoana ARCHITECTURE LTD.

Lawrence N. Carcoana, Principal saa, aaa, маа, аы, ncarв

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- 2. SEE DRAWING M6.3 FOR MECHANICAL LEGEND AND GRILLE/LOUVRE SCHEDULE.
- SEE DRAWING M6.4 FOR MECHANICAL EQUIPMENT SCHEDULE AND MECHANICAL GENERAL NOTES.
- SEE DRAWING M6.5 FOR MECHANICAL SPECIFICATIONS AND DETAILS.

McGinn Engineering Ltd.

A DIVISION OF MCGINN GROUP

MECHANICAL KEYNOTES

- $\langle 1 \rangle$ existing supply/return air duct/diffuser/grille to be removed. Patch wall and ceiling and make good and level to existing surroundings.

- (7) EXISTING RHEEM 50 GALLON WATER HEATER ON METAL PAN TO REMAIN.
 (8) EXISTING SINK TO REMAIN.
 (9) EXISTING FIRE EXTINGUISHER TO REMAIN.
 (10) EXISTING COMBUSTION AIR INTAKE DUCT TO BE REMOVED. PATCH WALL AND/OR ROOF AND MAKE GOOD AND LEVEL TO EXISTING SURROUNDINGS.
- $\stackrel{\textstyle \longleftarrow}{}$ EXISTING FURNACE F/A INTAKE TO BE REMOVED. PATCH WALL AND MAKE GOOD AND LEVEL TO EXISTING SURROUNDING.

FARM

RESEARCH

INDIAN HEAD, SASKATCHEWAN

ASSOCIATION OF PROFESSIONAL ENGINEERS
OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
MIGGINN ENGINEERING LTD.

McGINN ENGINEERING LTD.

SCIPLINE SASK. REG. NO. SIGNATURE

XXX --- DENOTES KEYNOTE ON DRAWING

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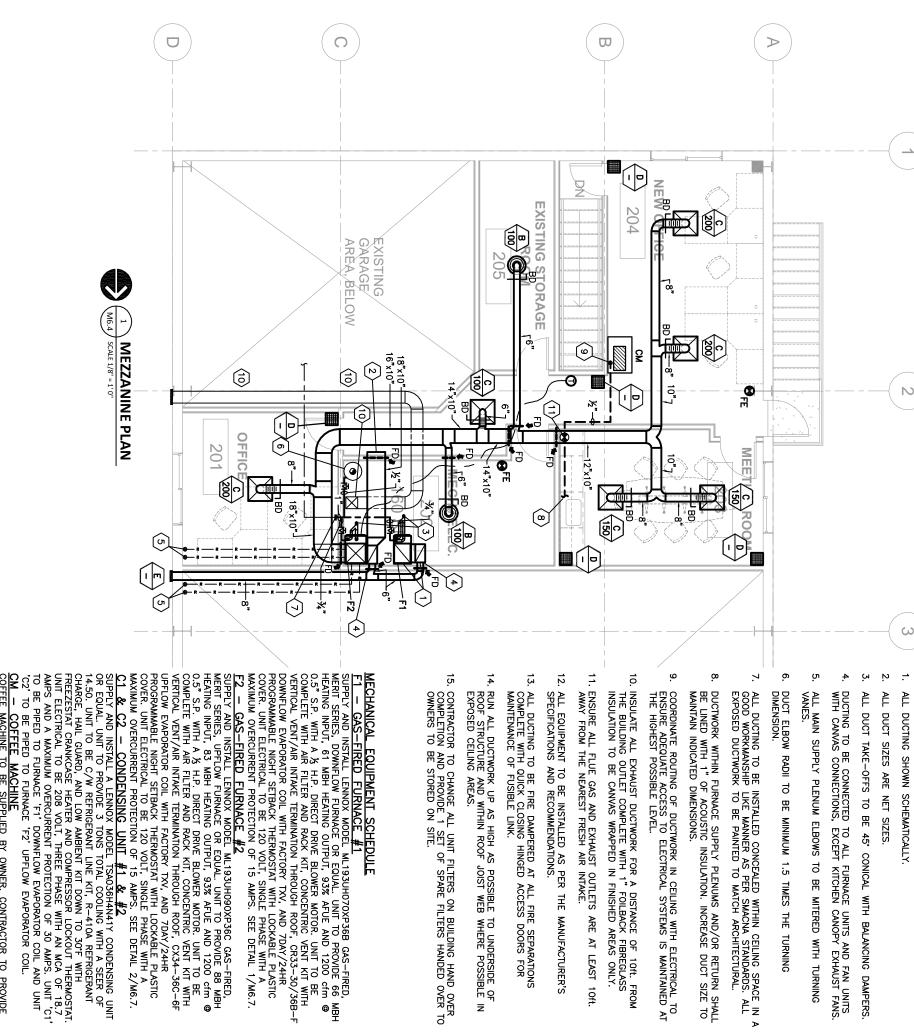
- (2) EXISTING FLOOR DRAIN TO REMAIN.
 (3) EXISTING GAS-FIRED FURNACE TO BE REMOVED C/W VENTING, ELECTRICAL, ETC.
 PATCH FLOOR, WALLS, AND/OR CEILING AND MAKE GOOD AND LEVEL TO EXISTING SURROUNDINGS.
- igg(4igg) existing exhaust fan to remain c/w ductwork. See main floor mechanical demo plan 1/m6.1.
- $\langle 5 \rangle$ existing wall ac unit to be removed c/w electrical, etc. patch wall and make good and level to existing surroundings weather tight.
- $\fbox{6}$ existing air compressor to be relocated to shop. See main floor renovated mechanical plan 1/m6.3.



REVISED MECH ROOM EXHUAST F/A INTAKE COMB AIR BUILT.
MARCH 16, 2015

MEZZANINE MECHANICAL **DEMO PLAN**

M6.2



MECHANICAL GENERAL NOTES

- ALL DUCT SIZES ARE NET SIZES.
- ALL DUCT TAKE-OFFS TO BE 45° CONICAL WITH BALANCING DAMPERS
- DUCTING TO BE CONNECTED TO ALL FURNACE UNITS AND FAN UNITS WITH CANVAS CONNECTIONS, EXCEPT KITCHEN CANOPY EXHAUST FANS
- ALL MAIN SUPPLY PLENUM ELBOWS TO BE MITERED WITH TURNING VANES.
- DUCT ELBOW RADII TO BE MINIMUM 1.5 TIMES THE TURNING DIMENSION.
- ALL DUCTING TO BE INSTALLED CONCEALED WITHIN CEILING SPACE GOOD WORKMANSHIP LIKE MANNER AS PER SMACNA STANDARDS. A EXPOSED DUCTWORK TO BE PAINTED TO MATCH ARCHITECTURAL.
- DUCTWORK WITHIN FURNACE SUPPLY PLENUMS AND/OR RETURN SHALL BE LINED WITH 1" OF ACOUSTIC INSULATION. INCREASE DUCT SIZE TO MAINTAIN INDICATED DIMENSIONS.
- COORDINATE ROUTING OF DUCTWORK IN CEILING WITH ELECTRICAL TO ENSURE ADEQUATE ACCESS TO ELECTRICAL SYSTEMS IS MAINTAINED AT THE HIGHEST POSSIBLE LEVEL.
- 10. INSULATE ALL EXHAUST DUCTWORK FOR A DISTANCE OF 10ft. FROM THE BUILDING OUTLET COMPLETE WITH 1" FOILBACK FIBREGLASS INSULATION TO BE CANVAS WRAPPED IN FINISHED AREAS ONLY.
- 11. ENSURE ALL FLUE GAS AND EXHAUST OUTLETS ARE AT LEAST 10ft AWAY FROM THE NEAREST FRESH AIR INTAKE.
- 12. ALL EQUIPMENT TO BE INSTALLED AS PER THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- 13. ALL DUCTING TO BE FIRE DAMPERED AT ALL FIRE SEPARATIONS COMPLETE WITH QUICK CLOSING HINGED ACCESS DOORS FOR MAINTENANCE OF FUSIBLE LINK.
- 14. RUN ALL DUCTWORK UP AS HIGH AS POSSIBLE TO UNDERSIDE OF ROOF STRUCTURE AND WITHIN ROOF JOIST WEB WHERE POSSIBLE IN EXPOSED CEILING AREAS.
- 15. CONTRACTOR TO CHANGE ALL UNIT FILTERS ON BUILDING HAND OVER COMPLETION AND PROVIDE 1 SET OF SPARE FILTERS HANDED OVER TO OWNERS TO BE STORED ON SITE.

16. COORDINATE INSTALLATION OF ALL DIFFUSERS AND GRILLES WITH CEILING GRID AND LIGHTING LAYOUT.

Carcoana

ARCHITECTURE LTD.

Lawrence N. Carcoana, Principal SAA AAA MAA AIA NCARB

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- 17. ALL PLUMBING LINES SHOWN SCHEMATICALLY.
- ĕ ALL WATER PIPING TO RUN CONCEALED IN FINISHED AREAS WITHIN CEILING SPACE, AND WALLS. PAINT ALL EXPOSED PIPING AS PER ARCHITECTURAL. ALL SEWER LINES TO RUN CONCEALED BELOW CONCRETE SLAB, IN CRAWLSPACE, AND/OR IN WALLS.
- 19. ALL WATER LINES TO BE COVERED WITH $13 \mathrm{mm}$ (1/2") INSULATION AND WITH PVC JACKET IN EXPOSED AREAS.
- 20. ALL EQUIPMENT MANUFACTURER'S TO BE INSTALLED IN ACCORDANCE WITH THE S SPECIFICATIONS AND RECOMMENDATIONS.

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- FIXTURES AND EQUIPMENT TO RUN CONCEALED WHERE
- 21. ALL PIPING TO POSSIBLE.
- 22. ALL WATER CONNECTIONS TO FIXTURES TO BE $13\mbox{mm}$ (1/2") UNLESS OTHERWISE SPECIFIED.

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REGINA,
SASKATCHEWAN SAR 2R8
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- 23. CONTRACTOR TO SUPPLY AND INSTALL PLUMBING VENTS, TRAP SEAL PRIMERS, CLEANOUTS, AND ISOLATION VALVES AS PER CODE.
- 24. . INSTALL ALL GAS FIRED EQUIPMENT AND PIPING IN ACCORDANCE WITH THE CANADIAN GAS CODE AND GAS UTILITY REQUIREMENTS.

RESEARCH FARM

NDIAN HEAD, SASKATCHEWAN

McGINN ENGINEERING LTD.

ASSOCIATION OF PROFESSIONAL ENGINEERS
OF SASKATCHEWAN
CERTIFICATE OF A DUTHORIZATION
McGINNI ENGINEERING LTD.
McCINNI ENGINEERING LTD.
Permission to Consult held by:

ultheld by:

DISCIPLINE SASK. REG. NO. SIGNATURE

- 25. SHALL NOT BE FLUXES HAVING A LEAD CONTENT IN EXCESS OF 0.2% USED.
- 26. CONTRACTOR TO EXISTING BUILDI) FIELD DETERMINE THE EXACT LOCATION OF ALL NG SERVICES.
- 27. PVC AND PLASTI IC PIPING MAY BE USED WHERE PERMITTED BY CODE.
- 28. ALL PLUMBING 1
 PLUMBING CODE TO BE INSTALLED IN ACCORDANCE WITH THE CANADIAN , PROVINCIAL PLUMBING CODES, AND CITY BYLAWS.
- 29. PROVIDE FIRESTOPS AT ALL PIPING THAT PASSES THROUGH FIRE SEPARATIONS.

MECHANICAL KEYNOTES (XX) --- DENOTES KEYNOTE ON DRAWING

TOKATOHEWAY

YM. MH. BAY

MEMBER 6379

SUPPLY AND RETURN AIR DUCTS DOWN INTO MAIN FLOOR C/W FIRE DAMPER AT RATED FLOOR ASSEMBLY PENETRATION. SEE MAIN FLOOR RENOVATED HVAC PLAN 1/M6.3 FOR CONTINUATION.

GAS-FIRED FURNACE #

- \odot STUB 18"x10" RETURN AIR DUCT WITHIN SECOND FLOOR CEILING SPACE.
- (3) FURNACE CONCENTRIC VENT/AIR INTAKE UP THRU ROOF C/W CONCENTRIC VENT AND VERTICAL TERMINATION KIT. FLASH AND SEAL AT ROOF PENETRATION WEATHER TIGHT.
- 4 CONNECT FRESH AIR DUCT TO FURNACE RETURN AIR PLENUM C/W MANUAL DAMPER.
- (5) REFRIGERANT L 1/M6.3 FOR LINE KIT UP FROM MAIN FLOOR TIGHT ALONG WALL TO F. SEE MAIN FLOOR RENOVATED MECHANICAL PLAN CONTINUATION.
- 6 VENTING. . 목품 EM GAS-FIRED WATER HEATER TO REMAIN C/W. T PROVIDES 50 GALLON STORAGE AND 45 MBH HEATING.
- OF ROOF. ΝEV ${\it v}$ 1" GAS LINE TO EXISTING GAS LINE STUB ALONG U/S
- (8) CONNECT NEW ½" COLD WATER LINE TO EXISTING SINK COLD WAT SUPPLY LINE WITHIN CEILING SPACE. CONTRACTOR TO DETERMINE EXACT LOCATION ON SITE. (9) ½" COLD WATE 'CM'. ER LINE DOWN WITHIN FURR-IN TO COFFEE MACHINE
- EXISTING EXHAUST DUCT TO REMAIN. SEE MAIN FLOOR PLAN 1/M6.3 FOR CONTINUATION.
- (11) EXISTING FIRE EXTINGUISHER TO REMAIN.

DRY CHEMICAL FIRE EXTINGUISHER OR EQUIPMENT MODEL ABC-10G LB. PATING OF 4-A, 60-B.C. UNIT TO BE MOUNTED ON WALL WITH STEEL MOUNTING BRACKET.

OLD WATER CONNECTION.

- FIRE EXTINGUISHER

PLY AND INSTALL A NATIONAL

_MACHINE TO BE SUPPLIED BY OWNER. CONTRACTOR TO PROVIDE

levisione: 1. REVISED MECH ROOM EXHUAST DUCT. MARCH 16, 2015

RENOVATED MEZZANINE

8		CHAN	5	MECHANICAL PLAN
Ę	Designed By: DJT	TLO	Scale	Scale: AS NOTED
	Drawn By:	MH	Date:	DEC 2014
	Checked By: GAS	GAS	Date:	Date: 2015.02.10

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Project No.: