

Project: HMCS CARLETON

Issued: June 05, 2013.

Owner: DND

GRC Project No.: 2509

The following clarification relates to the specifications and drawings previously issued.

1. Attachments:

1) Specifications

1. Section 07 10 01 -Waterproofing (3 pages)
2. Section 08 00 00 Door schedule page 1.
3. N/A
4. N/A
5. N/A
6. N/A

1) Documents/Drawings:

Architectural

1. Architectural addendum ADDN-337-002- dated June 03, 2013.
2. Architectural addendum ADDN-313-001- dated June 03, 2013.
3. Architectural addendum ADDN-303-001- dated June 03, 2013.
4. N/A
5. Architectural addendum ADDN-339-003- dated June 03, 2013.

Structural

1. Structural addendum No. S-03 - dated May 30, 2013.(1 page)
2. Structural addendum No. S-03 - dated June06, 2013.(2page)

Mechanical

1. Mechanical addendum No. M-05 - dated June 05, 2013.(1 page)

2. Description:

1) Specification

1. New specification section.
2. Revised door types.
3. Reference to section 10 75 00 Flagpoles

Delete entire section 10 75 00 Flagpoles ((3pages)

4. Reference to section 07 24 50 item 3.04.1
Revise item 3.04.1 to read, "***Install prefabricated insulation system as indicated.***"
5. Reference to section 11 66 00 Gymnasion Equipment
Revise 3.8.2 to read, "***provide 8 floor sockets in total. Two socket for volleyball standards and 6 sockets for badminton stands.***"
6. Reference to Section 08 71 00 Door Hardware

2.02 DOOR HARDWARE (Cont'd)

.11 Door Openers shall comply with ANSI/BHMA A156.19

delete:

.1 *Automatic swing door operator c/w electronic control with adjustable opening, back check, closing speed and time delay, on/off switch, built-in adjustable stop. 114mm diameter round wall actuators to be weather and vandal resistant. Actuators engraved with blue handicap logo. Low profile operator to be installed in an aluminum extruded header (130mm wide x 104mm high) with structurally integrated end caps. Full length removable cover.*

should read:

- .1 ***Automatic swing door operator c/w electronic control with adjustable opening, heavy duty 1/8 horse power motor or stronger, as required, full cast aluminum gear body, back check, closing speed and time delay, interface relay for electrified hardware e.g. electric strikes, where required, concealed on/off switch, built-in adjustable stop. Operator to function as a manual door closer in the direction of swing with or without electrical power. Operator has a one-way clutch in the gear train to facilitate easy manual operation of door and to prolong gear and motor life. 114mm diameter round wall actuators to be weather and vandal resistant. Actuators engraved with blue handicap logo. Operator to be installed in an aluminum extruded header (114mm wide x 165mm high x full length) with structurally integrated end caps. Full length removable cover.***
- .2 ***Openers as described are HA-8 by Hunter Automatics Inc..***
- .3 ***Gyro Tech GT500 c/w analog box, Horton 4000 series and Stanley Magic-Force are acceptable alternates.***

2) Documents/Drawings:

Architectural

1. New notes are added.
2. Revised detail.
3. New detail is added.
4. Remove wall type "W4" from exterior wall assemblies on all drawings.
5. New detail for typical condition below concrete slab . The 50mm sand bed is applicable to the underside of the entire ground floor slab of building. (Also see Specification Section 07 26 16 Below Grade Vapour Retarders)

Structural

1. See attached Structural addendum No. S-03 - dated May 30, 2013.
2. See Structural addendum No. S-03 - dated June 06, 2013.

Mechanical

1. See attached Mechanical addendum No. M-05 - dated June 05, 2013.

END OF TENDER ADDENDUM 003.

Prepared By:



Danny Ding

1 GENERAL

1.01 RELATED SECTIONS

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 35 21 - General LEED Requirements
- .3 Section 01 35 22 - LEED Product Requirements
- .4 Section 01 74 21 - Construction/Demolition Waste Management and Disposal
- .5 Section 01 78 00 - Closeout Submittals

1.02 REFERENCES

- .1 American Society for Testing and Materials International, (ASTM)
 - .1 ASTM C957-06, Standard Specification for High-Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane With Integral Wearing Surface.
 - .2 ASTM E96-05, Standard Test Methods for Water Vapor Transmission of Materials
 - .3 ASTM E154-08a, Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs
 - .4 ASTM E1643-09, Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs
 - .5 ASTM E1993-98(R2008), Standard Specification for Bituminous Water Vapor Retarders Used in Contact with Soil Or Granular Fill Under Concrete Slabs
 - .6 ASTM F1249-06, Standard Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor

1.03 SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Manufacturer's Instructions:
 - .1 Submit manufacturer's installation instructions.
- .3 LEED Submittals:
 - .1 Provide documentation in accordance with Section 01 35 21 – General LEED Requirements.

1.04 CLOSEOUT SUBMITTALS

- .1 Provide operation and maintenance data in accordance with Section 01 78 00 – Closeout Submittals.

1.05 DELIVERY, STORAGE AND HANDLING

- .1 Storage and Protection:
 - .1 Deliver, handle, store and protect materials of this section in accordance with manufacturer's printed instructions.
 - .2 Protect products from freezing.

1.06 SITE CONDITIONS

- .1 Site Environmental Requirements:
 - .1 Maintain substrate temperature at waterproofing installation areas in accordance with waterproofing manufacturer's printed instructions.
 - .2 Protect surfaces not intended to have application of waterproofing membranes.

1.07 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 21 – Waste Management and Disposal.

2 PRODUCTS

2.01 SUSTAINABLE REQUIREMENTS

- .1 Materials and products in accordance with Section 01 35 22 – LEED Product Requirements

2.02 MATERIALS

- .1 Interior waterproofing membrane:
 - .1 Fluid applied, aliphatic high solids, VOC compliant, modified polyurethane waterproofing membrane.
- .2 Perimeter below-grade foundation walls:
 - .1 VOC compliant, water-based, high solids, polymer modified asphalt emulsion.
 - .2 Protection membrane: high density polyethylene, dimpled profiled face of minimum 8mm depth, minimum 250kN/m² compressive strength

2.03 ACCESSORIES

- .1 Primer: as recommended by waterproofing membrane manufacturer.
- .2 Fasteners: type 304 stainless steel, type as recommended by protection membrane manufacturer

3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3.02 PREPARATION

- .1 Prepare and clean substrate surfaces in accordance with manufacturer's printed instructions.

3.03 INSTALLATION: INTERIOR WATERPROOFING

- .1 Apply waterproofing membrane continuously to floors and walls on interior surfaces of elevator and sump pits.
- .2 Flash pipes, conduits, drains and other penetrations to manufacturer's standards.

3.04 INSTALLATION: BELOW-GRADE FOUNDATION WALL

- .1 Place membrane collar around protrusions through concrete slab, including sewer pipes, water pipes, and utility inlets to create a positive seal between protrusions and membrane. Seal in place with joint tape and point around protrusions with pointing mastic.
- .2 Install foundation wall waterproofing membrane in two 20mil thickness applications.
- .3 Membrane installation to be applied continuously below floor slab to underside of footing.
- .4 Apply protection membrane continuously over waterproofing membrane.

3.05 FIELD QUALITY CONTROL

- .1 After waterproofing has dried, spray coated surfaces with water to verify coating coverage. Allow Consultant to witness tests.

3.06 CLEANING

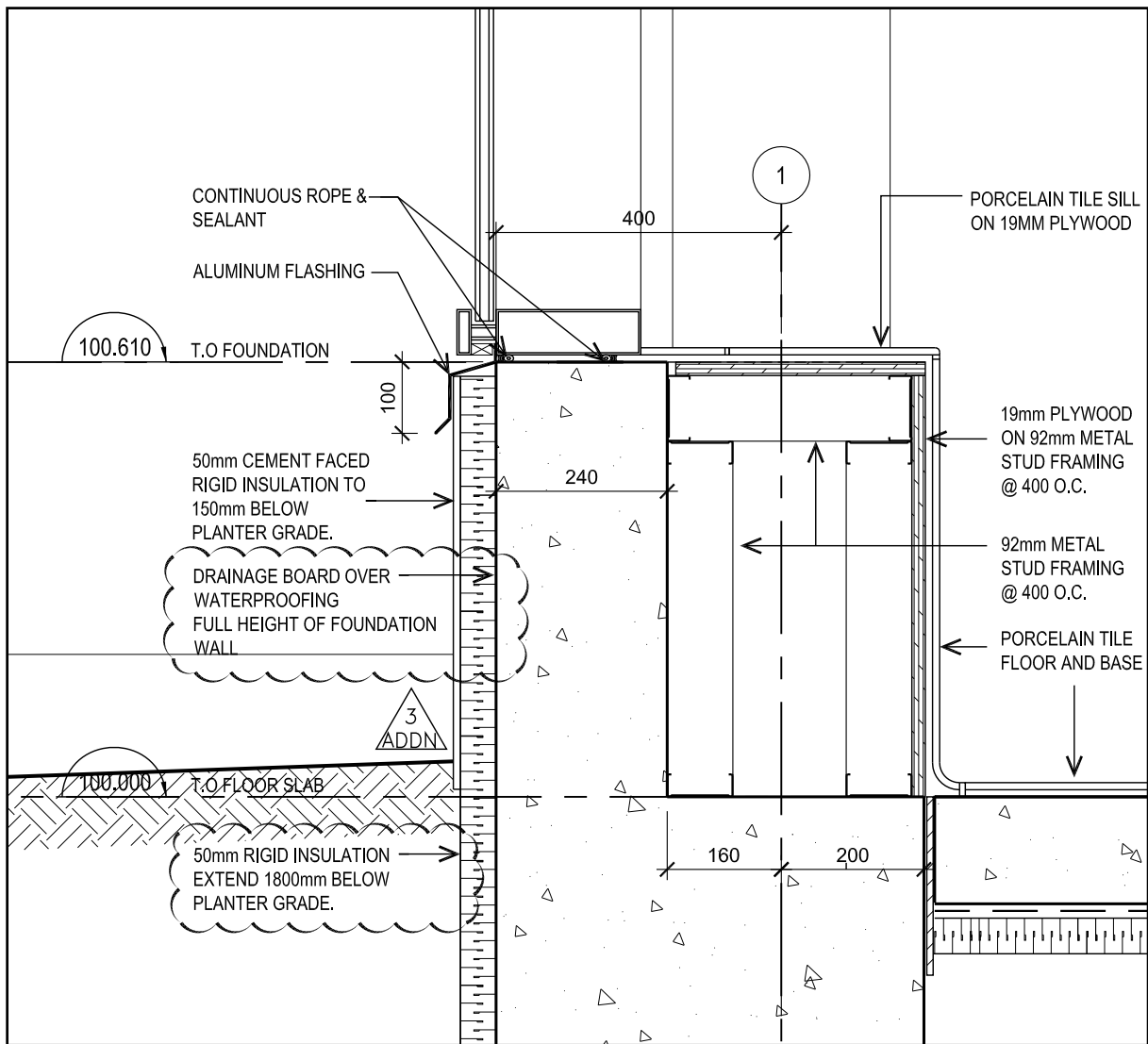
- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

3.07 TEMPORARY PROTECTION

- .1 Provide temporary barriers to protect topping membrane during curing period.
- .2 Apply temporary protection board to protect topping membrane from construction activity.

END OF SECTION

Door No.	Room Name	Frame Type	Throat Dim	Finish	Glass	Details	Door Type	Width	Height	Finish	Glass	Label Min.	Security	Hardware No.	Remarks
MAIN FLOOR LEVEL															
100.1	Vest 100	ALF-1		PREF.	GL-2	WINDOW SCHEDULE	ALD TB-1	1070	2400	PREF.	GL-2		KEY	1	EXIT DEVICE
100.2	Vest 100	ALF-2		PREF.	GL-1	WINDOW SCHEDULE	ALD-1	1070	2400	PREF.	GL-1		--	2	EXIT DEVICE
101.1	stair #1 101	IMF-1/CMP	154	P	_	DETAIL 7	IMD-1	1050	2134	P-ONE SIDE	_		EXIT ONLY	3	EXIT DEVICE
102.1	stair #1 102	HMF-1/CMP	154	P	_	DETAIL 7	HMD-1	1050	2134	P-ONE SIDE	_		--	5	EXIT DEVICE
103.1	103 Q-Deck	STF-RS		PREF.	_	DETAIL 15	ST-RS	3725 TO STRUCT	3015	PREF. #4	_	45		7	FIRE SHUTTER
103.2	103 Q-Deck	STF-RS		PREF.	_	DETAIL 15	ST-RS	3725 TO STRUCT	3015	PREF. #4	_	45		8	FIRE SHUTTER
103.3	103 Q-Deck	STF-RS		PREF.	_	DETAIL 15	ST-RS	6445 TO STRUCT	2640	PREF. #4	_	45		9	FIRE SHUTTER
103.4	103 Q-Deck	STF-RS		PREF.	_	DETAIL 15	ST-RS	6445 TO STRUCT	2640	PREF. #4	_	45		10	FIRE SHUTTER
104.1	104	HMF-1	104	P	_	DETAIL 10	HMD-1	950	2134	P	_		KEY	11	
104.2	104	ALF-RS		PREF.	_	DETAIL 16	AL-RS	1600	1150	PREF.	_		LOCK	12	ROLLER SHUTTER AND HOOD
105.1	105	HMF-1	104	P	_	DETAIL 10	HMD-1	950	2134	P	_		KEY	13	
106.1	106	HMF-1	124	P	_	DETAIL 11	HMD-1	2X914	2134	P	_		KEY	14	
108.1	Vest 108	ALF-3	Y	PREF.	GL-2	WINDOW SCHEDULE	ALD TB-1	1070	2400	PREF.	GL-2		KEY	15	EXIT DEVICE
108.2	Vest 108	ALF-4		PREF.	GL-1	WINDOW SCHEDULE	ALD-1	1070	2400	PREF.	GL-1		--	16	EXIT DEVICE
109.1	stair #2 109	IMF-1/CMP	154	P	_	DETAIL 1	IMD-1	1050	2134	P-ONE SIDE	_		EXIT ONLY	4	EXIT DEVICE
110.1	stair #2 110	HMF-1/CMP	154	P	_	DETAIL 7	HMD-1	1050	2134	P-ONE SIDE	_		--	6	EXIT DEVICE
121.1	121	HMF-1	124	P	_	DETAIL 13	HMD-1	950	2134	P	_	45	KEY	17	FIRE RATED
123.1	123	HMF-1	124	P	_	DETAIL 13	IMD-1	950	2134	P	_		KEY	18	SOUND GASKET
124.1	124	HMF-1	124	P	_	DETAIL 13	WD-1	950	2134	P	_		PASG	19	SOUND GASKET
130.1	130	HMF-2A	104	P	GL-1	DETAIL 3	HMD-3	1050	2134	P	GL-1		KEY	20	EXIT DEVICE



4
337

SECTION DETAIL - FOUNDATION

SCALE: 1:10

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Job Title

HMCS-CARLETON REPLACEMENT

Drawing Description

SECTION DETAIL

Job No.

2509

Date

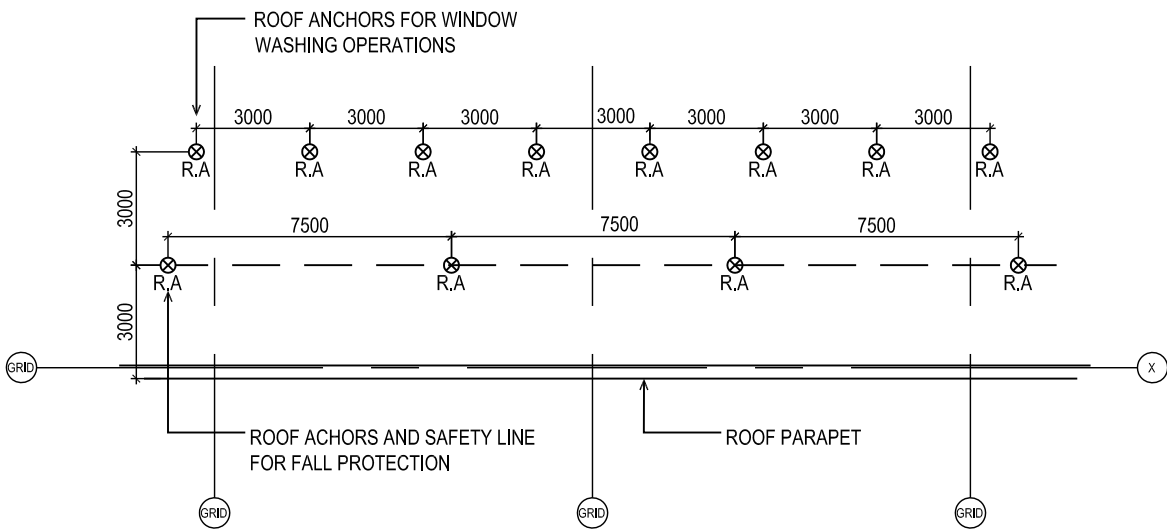
June 03, 2013

Drawn By

D.D

Drawing Number

ADDN-337-002



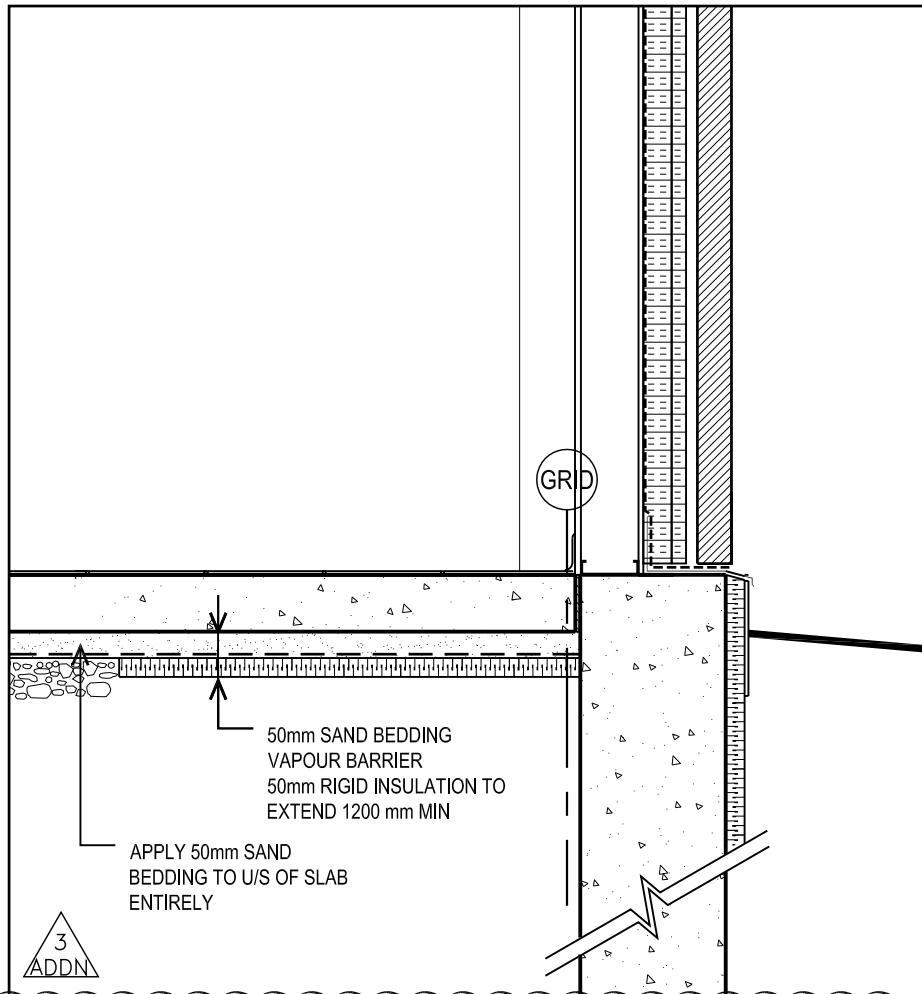
ROOF ANCHOR LOCATIONS AROUND COMPLETE PERIMETER OF BUILDING. LOCATIONS ARE PROVIDED ONLY AS A GENERAL GUIDE TO QUANTIFYING ROOF ANCHORS. ACTUAL LOCATIONS TO BE IN ACCORDANCE WITH REVIEWED SHOP DRAWINGS

3
ROOF ANCHORS
303
SCALE: NTS



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Job Title HMCS-CARLETON REPLACEMENT	Job No. 2509 Date June 03, 2013 Drawn By K.S
Drawing Description ROOF PLAN	Drawing Number ADDN-303-001



14 **BELOW GRADE V.B. TYPICAL**
339 SCALE: 1:20

grc architects 47 Clarence Street, Suite 401, Ottawa, Ontario K1N 9K1 t:613.241.8203, f:613.241.4180 info@grcarchitects.com www.grcarchitects.com	Job Title	Job No.
	HMCS-CARLETON-REPLACEMENT	2509
Drawing Description	Date	Drawn By
SECTION DETAIL	June 03, 2013	D.D
	Drawing Number	
	ADDN-339-003	

1. **ATTACHMENTS**

N/A

2. **DESCRIPTION**

The following have been added or modified.

2.1 Drawing: H-050/4-0302-201

2.1.1 Housekeeping pad on concrete slab:

Reinforcing dowels 10M@400 O.C.

2.1.2 Concrete strength note: revise to read:

Interior slab on grade & slab on pan.

END OF ADDENDUM

1. **ATTACHMENTS**

1.1 **Sketches:**

SSK-222 01 BF4 – G/L K & D

June 5, 2013

2. **DESCRIPTION**

The following have been added or modified.

2.1 Drawing: H-050/4-0302-222

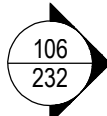
2.1.1 Concrete wall thickness and reinforcing revised.

END OF ADDENDUM



LAB
LOOR

104



W.P.

W.P.

590x590 PIER

590x590 PIER

GROUND FLOOR
LEVATION

15M @ 300 E.W. E.F.

240 CONCRETE WALL

BF4 - G/L K & D

SCALE: 1 : 50

PROJECT: HMCS CARLETON REPLACEMENT PROJET:	APPROVED: PC/JT	
	APPROUVÉ PAR:	
SUBJECT: ADDENDUM 4 SUJET:	SCALE: AS NOTED	
	ÉCHELLE:	
DATE: 2013-06-05	PROJECT NO.: H-O50/4-0302	
	NUMÉRO DU PROJET:	
	DWG NO.: SSK-222-01	
	NUMÉRO DU DESSIN:	

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

1 DRAWINGS

1.1 DRAWING 440 – GROUND FLOOR HVAC

- .1 Supply and return ductwork serving dehumidifier DH01 shall be 500 x 250.
- .2 Supply and return ductwork serving dehumidifier DH02 shall be 250 x 250.

**1.2 DRAWING 441 – SECOND FLOOR HVAC, AND, DRAWING 460 – MECHANICAL ROOM
DETAIL PLANS**

- .1 Extend 250 x 200 exhaust duct serving Locker Room 234 to inlet plenum of exhaust fan “EF-2”. Provide balancing damper at point of connection.

END OF MECHANICAL ADDENDUM NO. M-05