

**New Police Station**  
**Inuvik, NT**  
**Project Number: R.050563**  
**Addendum #2**  
**May 28, 2014**

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**1.0 General**

- .1 This Addendum is issued prior to receipt of Bids to provide for certain revisions to and clarification to the Contract Documents.
- .2 The work required by this Addendum shall be executed in accordance with the requirements of the Contract and Contract Documents.
- .3 Include in the Stipulated Price, the cost of all work described in this Addendum.

**2.0 Architectural Addendum**

**2.1 Specifications:**

- .1 Section 08 06 10 – Door Schedule
  - .1 Delete this Section in its entirety and replace with the appended Section 08 06 10 – Door Schedule (5 pages). Revisions from the previous schedule have been highlighted in **RED**.
- .2 Section 08 06 60 – Door Hardware
  - .1 Add Sentence 2.2.1.3 as follows:
    - “.3 All door hardware to be installed in fire rated doors to be listed and labelled for such use by an accredited Canadian Testing Agency”.
- .3 Section 08 11 14 – Metal Doors and Frames
  - .1 Revise Sentence 1.1.5.2 to read as follows:
    - “.2 NEPA 80 – 2007, Fire Doors and Windows”.
- .4 Section 08 14 16 – Flush Wood Doors
  - .1 Revise Sentence 1.1.2.1 to read as follows:
    - “.1 NFPA 80 – 2007, Fire Doors and Windows”.

- .5 Section 09 21 16 – Gypsum Board Assemblies
  - .1 Revise Sentence 1.1.2.1 to read as follows:
    - “.1 CAN/ULC-S101-2007, Fire Endurance Tests of Building Construction and Materials”.

## 2.2 Drawings:

- .1 Refer to Drawing A0.4 – Outboard Garage (Pre-Engineered), Issued For Tender; Dated March 17, 2014.
  - .1 Add Door #D302A3 at the east corner of the building at Grid Line A3 as indicated on the appended Sketch Drawing ASK-06, prepared by IBI Group; dated May 22, 2014.
  - .2 Revise the east elevation 5/A0.4 to add a new door at the east corner of the building as illustrated on the appended Sketch Drawing ASK-07, prepared by IBI Group; dated May 22, 2014.
- .2 Refer to Drawing A4.4 – Section Details, Issued For Tender; Dated March 17, 2014.
  - .1 Revise wall section 3/A4.1 to extend the firewall to bottom of wall sheathing as illustrated on the appended Sketch Drawing ASK-10, prepared by IBI Group; dated May 27, 2014.
- .3 Refer to Drawing A1.10 – Typical Cells, Details, Issued for Tender; Dated March 17, 2014.
  - .1 Revise description of ceiling mounted mechanical fixtures as illustrated on the appended Sketch Drawing ASK-08, prepared by IBI Group; dated May 27, 2014.

## 2.3 Bidder Inquiries:

- .1 Question:

On all Architectural Drawings the countertops are indicated as Post-Formed. Yet in the Specification Section 06 04 00 Architectural Woodwork 2.3 the countertops are noted as Self Edge with a Plywood Core. Which is correct?

### **Response:**

The countertops are to be fabricated in accordance with Specification Section 06 40 00 – Architectural Woodwork: “Self edge with a plywood core”.

## 3.0 Civil Addendum

- .1 Drawing C2.0 – Services, Drainage, and Secure Bay Ramp Details, Issued for Tender; dated March 17, 2014.
  - .1 Revise Secure Bay Ramp handrail configuration as illustrated on the appended Sketch Drawing ASK-09, prepared by IBI Group; dated May 27, 2014.

**4.0 Mechanical Addendum**

- .1 Refer to appended Mechanical Addendum No. M-02, dated May 28, 2014, 2 pages.

**5.0 Electrical Addendum**

- .1 Refer to appended Electrical Addendum No. E2, dated May 21, 2014, 9 pages.
- .2 Refer to appended Electrical Addendum No. E3, dated May 28, 2014, 1 page.

**END OF ADDENDUM No. 2**

DOOR								FRAME			FIRE /STC RATING	HARDWARE GROUP	REMARKS
Door No.	Room To	Room From	Type	Size	Material	Finish	Glass	Material	Finish	Elevation			
<b>Detachment Building:</b>													
D101A.1	101A	EXTERIOR	A	914 x 2134	HMI	PTD	GL-1	PS	PTD			01	
D101A.2	101B	101A	C	914 x 2134	HM	PTD	GL-2	PS	PTD			02	
D101C	101C	101B	A	914 x 2134	HM	PTD	-	PS	PTD			03	
D101D	319B	101B	B	914 x 2134	SCWD	STN	-	PS	PTD			04	
D201A	201A	319A	A	914 x 2134	SCWD	STN	-	PS	PTD			05	
D201B	201B	319B	A	914 x 2134	SCWD	STN		PS	PTD			08	
D201C	201C	202A	A	914 x 2134	SCWD	STN		PS	PTD			08	
D201D	201D	319A	A	914 x 2134	SCWD	STN		PS	PTD			05	
D201E	201E	202A	A	914 x 2134	SCWD	STN		PS	PTD			05	
D201F	201F	202A	A	914 x 2134	SCWD	STN		PS	PTD			41	
D303	303	320	A	914 X 2134	HM	PTD	-	PS	PTD			09	
D304A.1	304A	101B	A	914 x 2134	ASD	PTD	-	ASF	PTD		STC 46	42	
D304A.2	202A	304A	A	914 x 2134	ASD	PTD	-	ASF	PTD		STC 46	10	
D304B.1	304B	101B	A	914 x 2134	ASD	PTD	-	ASF	PTD		STC 46	42	
D304B.2	202A	304B	A	914 x 2134	ASD	PTD	-	ASF	PTD		STC 46	10	
D305A	305A	320	A	914 x 2134	SCWD	STN	-	PS	PTD			11	

REMARKS LEGEND		GENERAL NOTES
ASD: Acoustic Steel Door ASF: Acoustic Steel Frame EPX: Epoxy Paint GL-1: Clear/Laminated/Insulated Unit GL-2: Clear/Laminated/Single Glaze GL-3: Clear/Laminated/Acoustical Unit GL-4: Clear/Laminated/Fire Rated GL-5: RCMP Stnd for cell door viewport	HM: Hollow Metal HMI: Hollow Metal Insulated PS: Pressed Steel PTD: Painted RSD: Reinforced Steel Door RPS: Reinforced Press Steel SCWD: Solid Core Wood Door STL: Steel STN: Stained	<ul style="list-style-type: none"> <li>- Hollow metal doors to have 1.2mm CRS door skin unless noted otherwise.</li> <li>- Sectional overhead doors to have 1.6mm CRS door skin (exterior), 1.2mm CRS door skin (interior), and vertical stiffeners @ 305mm o/c max.</li> </ul>

DOOR								FRAME			FIRE /STC RATING	HARDWARE GROUP	REMARKS
Door No.	Room To	Room From	Type	Size	Material	Finish	Glass	Material	Finish	Elevation			
D305B	305B	320	A	914 x 2134	SCWD	STN	-	PS	PTD			11	
D306.1	306	101B	B	914 x 2134	ASD	PTD	GL-3	ASF	PTD		STC 46	12	
D306.2	319A	306	B	914 x 2134	HM	PTD	GL-2	PS	PTD			13	
D307	307	320	A	914 x 2134	HM	PTD	-	PS	PTD			04	
D308.1	308	EXTERIOR	C	914 x 2134	HMI	PTD	GL-1	PS	PTD			14	
D308.2	319A	308	B	914 x 2134	HM	PTD	GL-2	PS	PTD			43	
D310	310	319A	A	914 x 2134	HM	PTD	-	PS	PTD			15	
D311	311	319A	A	914 x 2134	HM	PTD	-	PS	PTD			15	
D312	312	320	A	914 x 2134	HM	PTD	-	PS	PTD		0HR.	16	
D313.1	313	320	A	914 x 2134	HM	PTD	-	PS	PTD		45 Min.	17	
D313.2	313	EXTERIOR	A	2-914 x 2134	HMI	PTD	-	PS	PTD			18	
D313.3	313	EXTERIOR	A	914 x 2134	HMI	PTD	-	PS	PTD			44	
D313.4	313	EXTERIOR	A	914 x 2134	HMI	PTD	-	PS	PTD		1 1/2HR.	44	
D314	314	EXTERIOR	A	1067 X 2134	HMI	PTD	-	PS	PTD			19	
D315	315	514	A	914 x 2134	HM	PTD	-	PS	PTD		1 1/2HR.	51	Temperature Rise Rated
D317	317	514	B	914 x 2134	HM	PTD	GL-4	PS	PTD		1 1/2HR.	20	Temperature Rise Rated
D318A.1	404	318A	B	914 x 2134	HM	PTD	GL-4	PS	PTD		45 Min.	21	
D318A.2	318A	514	B	914 x 2134	HM	PTD	GL-4	PS	PTD		1 1/2HR.	45	Temperature Rise Rated

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DOOR								FRAME			FIRE /STC RATING	HARDWARE GROUP	REMARKS
Door No.	Room To	Room From	Type	Size	Material	Finish	Glass	Material	Finish	Elevation			
D318A.3	318A	EXTERIOR	B	914 x 2134	HMI	PTD	GL-1	PS	PTD			22	
D318A.4	CRAWLSPACE	318A	A	610 X 1524	HM	PTD	-	PS	PTD			23	
D318B	320	318B	B	914 x 2134	HM	PTD	GL-4	PS	PTD		45 Min	45	
D322A.1	322A	EXTERIOR	A	914 x 914	HMI	PTD	-	PS	PTD			25	
D322A.2	322A	322A	A	914 x 914	HM	PTD	-	PS	PTD		20 Min	26	
D322A.3	322A	322A	A	914 x 914	HM	PTD	-	PS	PTD		20 Min	26	
D322A.4	322A	322A	A	914 x 914	HM	PTD	-	PS	PTD		20 Min	26	
D322B.1	322B	EXTERIOR	A	914 x 914	HMI	PTD	-	PS	PTD			52	
D322B.2	322B	322B	A	914 x 914	HM	PTD	-	PS	PTD		20 Min	26	
D322C.1	322A	322C	A	914 x 914	HM	PTD	-	PS	PTD			26	
D322C.2	322B	322C	A	914 x 914	HM	PTD	-	PS	PTD		1 1/2HR.	49	Temperature Rise Rated
D402A	402A	402B	A	914 x 2134	HM	PTD	-	PS	PTD			50	
D402B	402B	319A	A	914 x 2134	HM	PTD	-	PS	PTD		45 Min	27	
D405	405	320	A	914 x 2134	HM	PTD	-	PS	PTD		45 Min.	46	
D406	406	319A	A	914 x 2134	HM	PTD	-	PS	PTD		45 Min.	27	
D407	407	319A	A	914 x 2134	HM	PTD	-	PS	PTD		45 Min.	27	
D408	408	202A	A	914 x 2134	ASD	PTD	-	ASF	PTD		STC 46	10	
D411	411	320	A	914 x 2134	HM	PTD	-	PS	PTD			27	

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DOOR								FRAME			FIRE /STC RATING	HARDWARE GROUP	REMARKS
Door No.	Room To	Room From	Type	Size	Material	Finish	Glass	Material	Finish	Elevation			
D412	412	319A	A	914 x 2134	HM	PTD	-	PS	PTD		45 Min	27	
D501	501	505	D	914 x 2134	HM	PTD	GL-5	PS	PTD			33	
D502 (12nos)	502 (CELLS)	505	E	914 x 2134	RSD	EPX	GL-5	RPS	EPX			30	
D504	504	503	A	914 x 2134	HM	PTD	-	PS	PTD			34	
D506	506	514	A	914 x 2134	HM	PTD	-	PS	PTD			31	
D507	507	505	D	914 x 2134	HM	PTD	GL-5	PS	PTD			32	
D508 (6 nos)	508 (MECH.)	505	A	810 x 2134	HM	PTD	-	PS	PTD			35	
D509.1	509	EXTERIOR	A	914 x 2134	HMI	PTD	-	PS	PTD			36	
D509.2	505	509	A	1067 x 2134	HM	PTD	-	PS	PTD		1 HR.	37	
D509.3	509	EXTERIOR	R	3048 x 3048	STL	PTD	-	-	-			06	
D510	510	505	A	914 x 2134	ASD	PTD	-	ASF	PTD		STC 46	38	
D511	511	505	A	914 x 2134	HM	PTD	-	PS	PTD			33	
D512	512	514	A	914 x 2134	HM	PTD	-	PS	PTD		0 HR.	39	
D513.1	513	EXTERIOR	A	914 x 2134	HMI	PTD	-	PS	PTD			40	
D513.2	513	505	A	914 x 2134	HM	PTD	-	PS	PTD			47	
D514	514	505	A	914 x 2134	HM	PTD	-	PS	PTD			47	

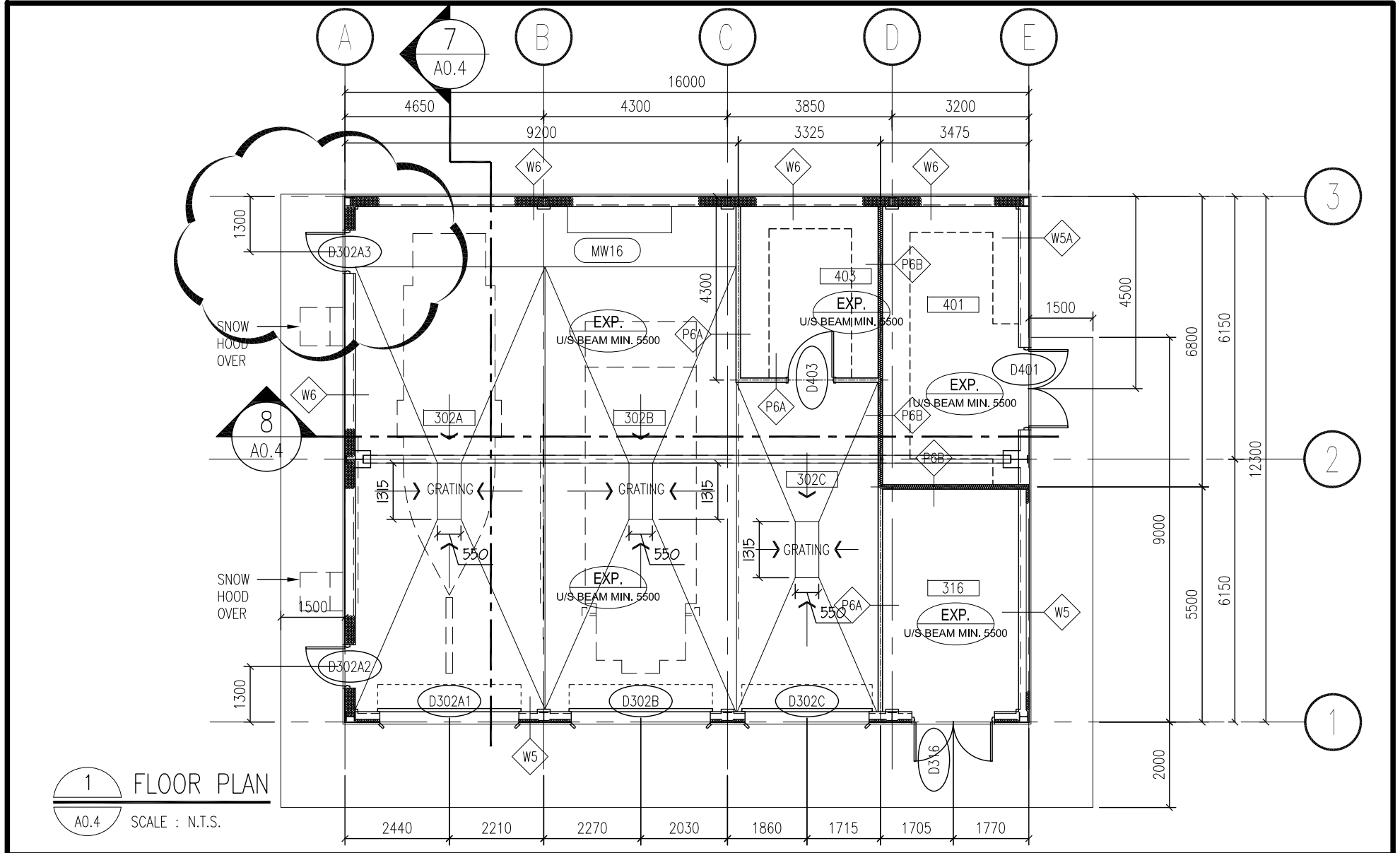
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DOOR								FRAME			FIRE /STC RATING	HARDWARE GROUP	REMARKS
Door No.	Room To	Room From	Type	Size	Material	Finish	Glass	Material	Finish	Elevation			
<b>Outboard Garage: (Separate Price)</b>													
D302A.1	EXTERIOR	302A	R	3353 X 4572	STL	PTD	-	-	-			06	
D302A.2	302A	EXTERIOR	B	914 x 2134	HM	PTD	GL-1	PS	PTD			07	
D302A.3	302A	EXTERIOR	B	914 x 2134	HM	PTD	GL-1	PS	PTD			07	
D302B	EXTERIOR	302B	R	3353 X 4572	STL	PTD	-	-	-			06	
D302C	EXTERIOR	302C	R	3048 X 4572	STL	PTD	-	-	-			06	
D316	316	EXTERIOR	A	2-914 x 2134	HMI	PTD	-	PS	PTD			18	
D401	401	EXTERIOR	A	2-914 x 2134	HM	PTD	-	PS	PTD			28	
D403	403	302C	A	1067 x 2134	HM	PTD	-	PS	PTD			29	

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PLOTTED:



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Project Title:  
**New Police Building**  
Inuvik, NWT

Sheet Title:  
**Outboard Garage - Floor Plan**  
Addition of man door

Scale:

**N.T.S.**

Date:

**2014-05-22**

Drawn by:

**MC**

Checked by:

**EK**

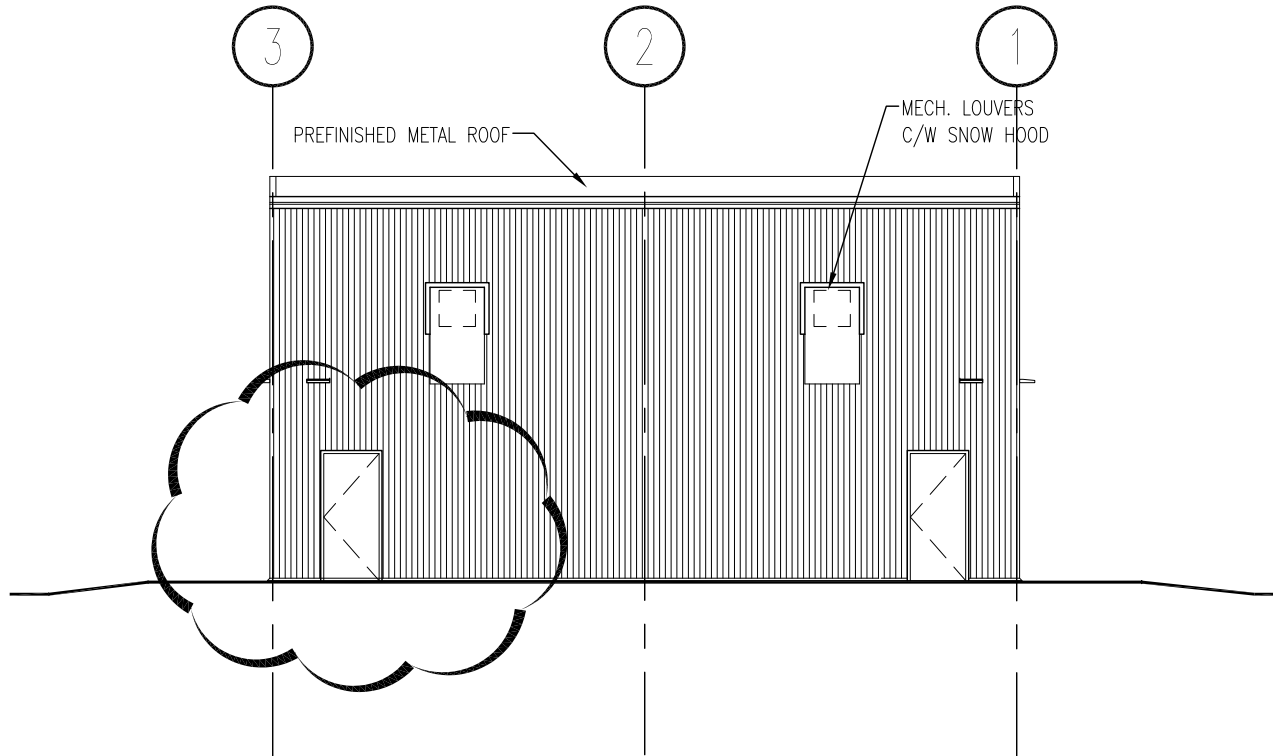
Project no.

**R.050563**

Sheet no.

**ASK-06**

PLOTTED:



5 EAST ELEVATION  
A0.4 SCALE : N.T.S.

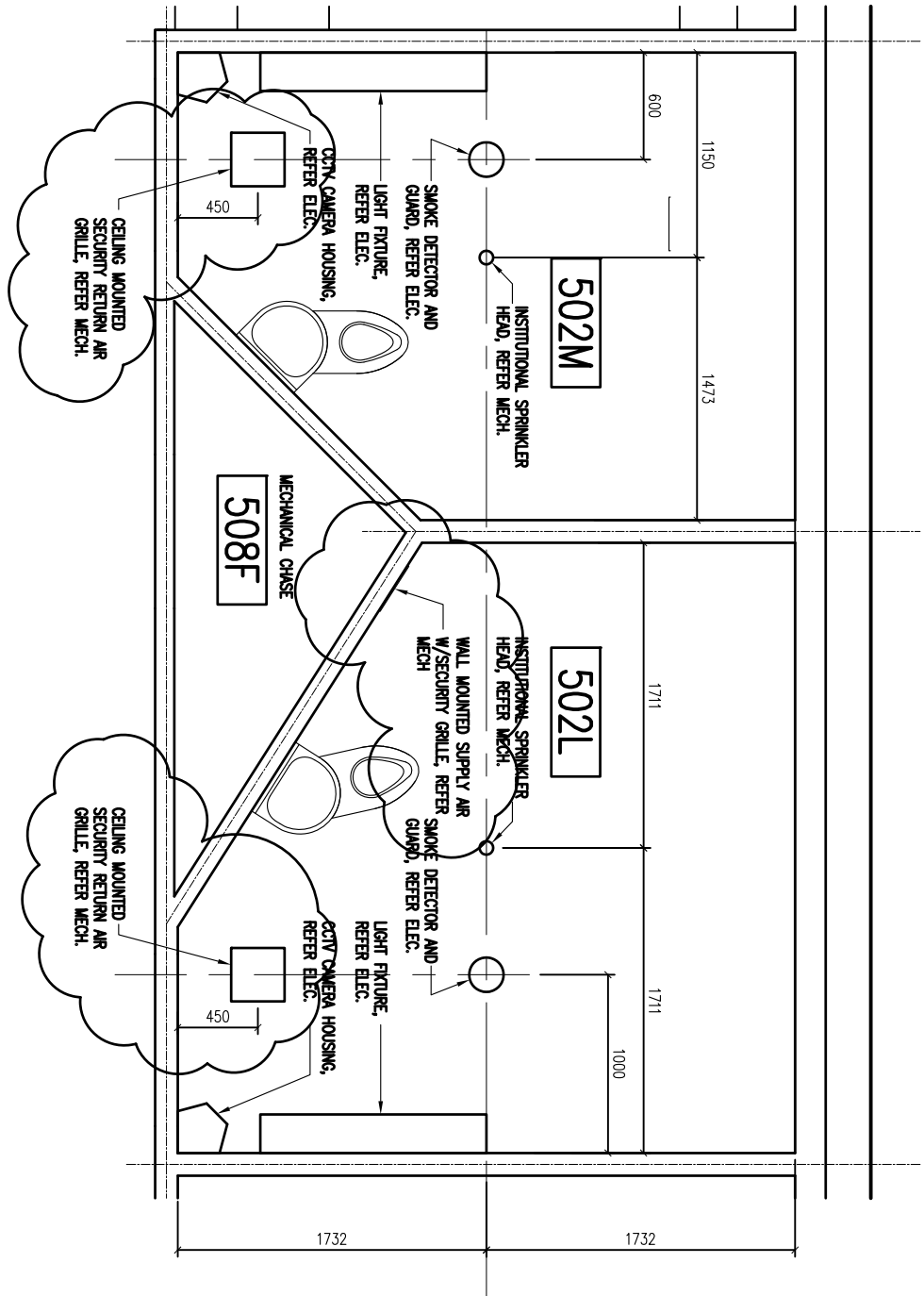


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Project Title:  
**New Police Building  
Inuvik, NWT**

Sheet Title:  
**Outboard Garage - East Elevation  
Addition of man door**

Scale:	N.T.S.	Date:	2014-05-22
Drawn by:	MC	Checked by:	EK
Project no.	R.050563	Sheet no.	ASK-07



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Project Title:  
**NEW POLICE BUILDING**  
**INUWK, NWT**

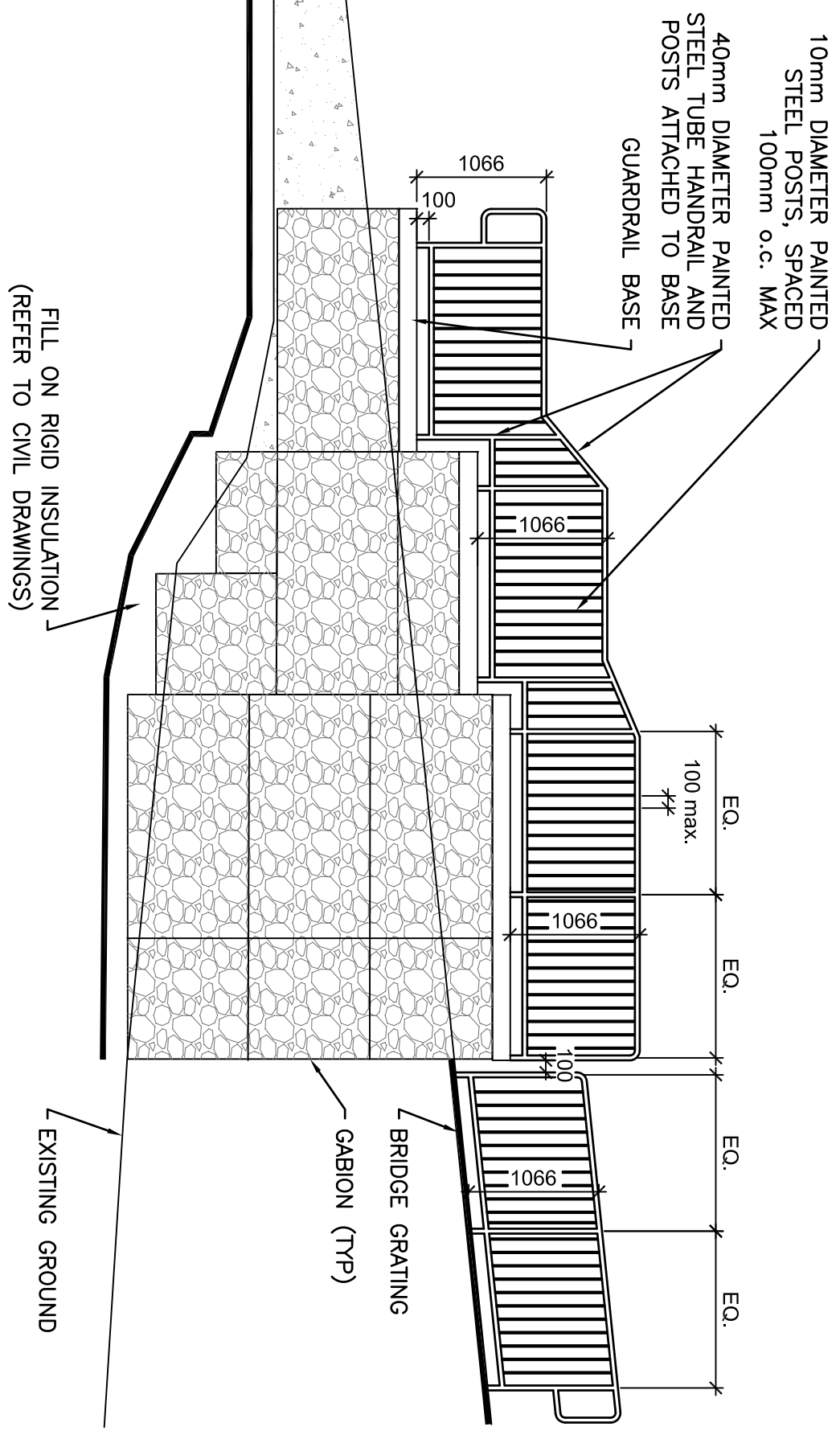
Sheet Title:  
**ADDENDUM #1**  
**TYPICAL CELL DETAILS - 2/A1:10 - REFLECTED CEILING PLAN**

Scale: **1:40** Date: **2014-05-27**

Drawn by: **IBI** Checked by: **EK**

Project no. Sheet no.

**R.050563** **ASK-08**



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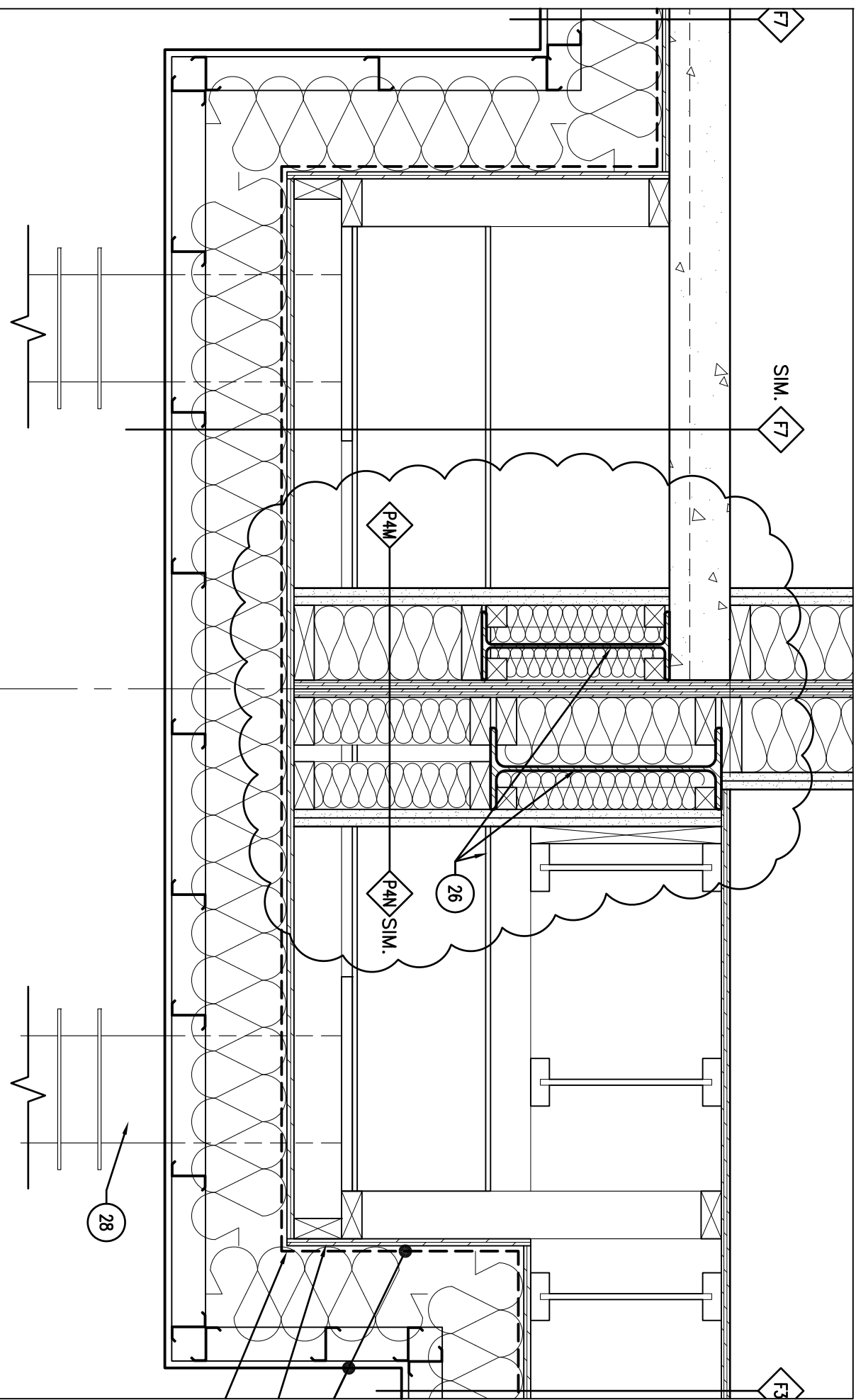
Project Title:  
**NEW POLICE BUILDING**  
**INUVIK, NWT**

Sheet Title:  
**ADDENDUM #1**  
**RAMP GUARDRAIL ELEVATION**

Scale: **1:50** Date: **2014-05-27**

Drawn by: **IBI** Checked by: **EK**

Project no. **R.050563** Sheet no. **ASK-09**



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Project Title:  
**NEW POLICE BUILDING**  
**INUVIK, NWT**

Sheet Title:  
**ADDENDUM #1**  
**PARTIAL SECTION DETAIL 3/A4.4**

Scale: **1/10** Date: **2014-05-27**

Drawn by: **IBI** Checked by: **EK**

Project no. **R.050563** Sheet no. **ASK-10**

# Mechanical Addendum M-02

Date: May 28, 2014

## 1. Revisions to Specifications

### 1.1 Section 22 13 18

.1 ADD:

Item 3.2.3 All plastic DWV pipe penetrating fire rated separations to be fire stop sealed with intumescent fire stop systems as per NBC 2010 Article 3.1.9.4.

## 2. Revisions to Drawings

### 2.1 Drawing M1.0 Site Plan

.1 CLARIFY:

Temporary boiler(s) to be sized to maintain space temperature of 21°C for existing building. Boiler maintenance and upkeep by Contractor. Utilities to be paid for by RCMP. Electric boilers are not allowed. Boiler(s) to be rented, purchased or otherwise procured by the Contractor. Refer to Site Plan for suggested location.

### 2.2 Drawing M6.0 Main Floor Ventilation

.1 CLARIFY:

Provide fire dampers or fire flaps for all ducts penetrating fire rated floor assemblies.

### 2.3 Drawing M7.0 Main Floor Fire Protection

.1 ADD:

Fire extinguisher in Multi-Purpose Room. Extinguisher to be Type K 4.5 kg rating 4A:60BC complete with mounting hardware and backboard. Coordinate location with architectural and all trades.

.2 ADD:

Fire extinguisher in Secure Bay. Extinguisher to be 4.5 kg rating 4A:60BC suitable for vehicle fires. Locate in cabinet at front of bay on driver/left hand side of bay. Refer to NBC 2010 Article 3.2.5.16.

### 2.4 Drawing M7.1 Second Floor Fire Protection

.1 CLARIFY:

Fire extinguisher in Lan Room to be CO<sub>2</sub>.

### 2.5 Drawing M8.1 Outboard Garage

.1 ADD:

Provide fire extinguishers in Rooms 316, 401 and 403 of Outboard Garage. Refer to NBC 2010 Article 9.10.20.4.

**2.6 Drawing M9.0 Mechanical Room Plans**

.1 ADD:

Fire damper to 150ø supply duct at grid lines E' and 6.

**2.7 Drawing M9.3 Details**

.1 ADD:

Fire damper to Detail 15 at duct opening. Coordinate damper location with security bars.

# Electrical Addendum E2

Date May 21, 2014

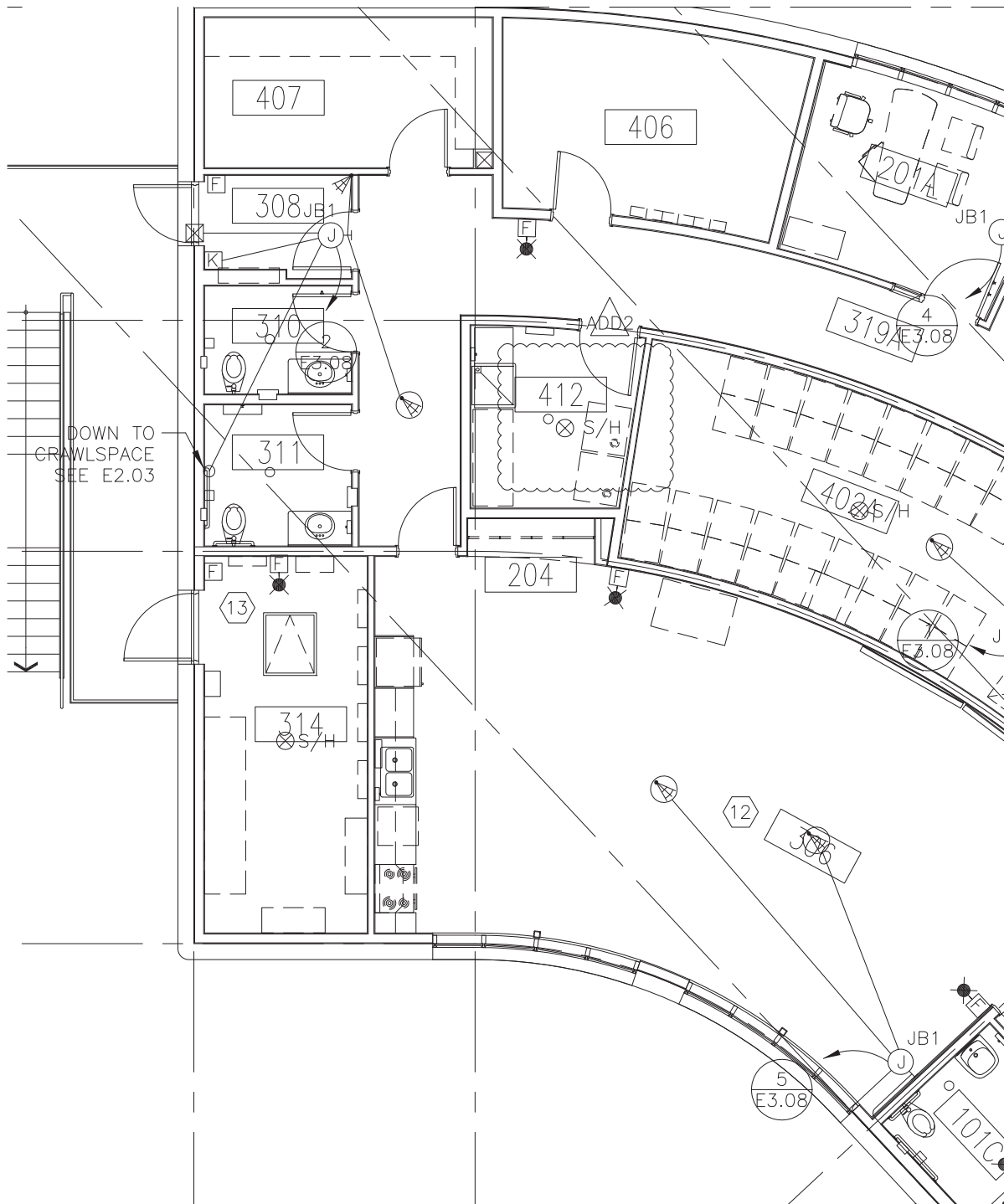
This addendum is issued to address the comments received on April 7, 2014

1. Drawing E1.09, Main Floor Fire Alarm and security Provisions Plan:  
Revise detector in room 412 as shown on the partial print of E1.09.  
Add detector in rooms 504, 508A to F and 513 as shown on the partial print of E1.09.
2. Drawing E2.01, Crawlspace Electrical plan:  
Replace the drawing with the attached revised copy of the same and bid accordingly.
3. Drawings E2.02 and E3.07, Outboard Garage Building Electrical Plans and intrusion alarm detail:  
Add a light switch by the new door as shown on the partial print of E2.02.  
Add a new door contact and junction box as shown on the partial prints of E2.02 and E3.07.
4. Drawing E2.03, Crawlspace Voice/Data Cable Tray layout and security Provisions Plan:  
Provide fire stop at fire separation penetration as shown on the attached partial print of E2.03.
5. Specification section 26 53 00 Exit Signs  
Article 1.1-2: Revise as shown in red font on the attached copy of page 1 of this section.
6. Specification section 28 31 01 Fire Alarm Systems  
Articles 2.2-1, 2.2-3 and 2.3-2: Add text as shown in red font on the attached copy of page 3 of this section.

**End of Addendum E2**



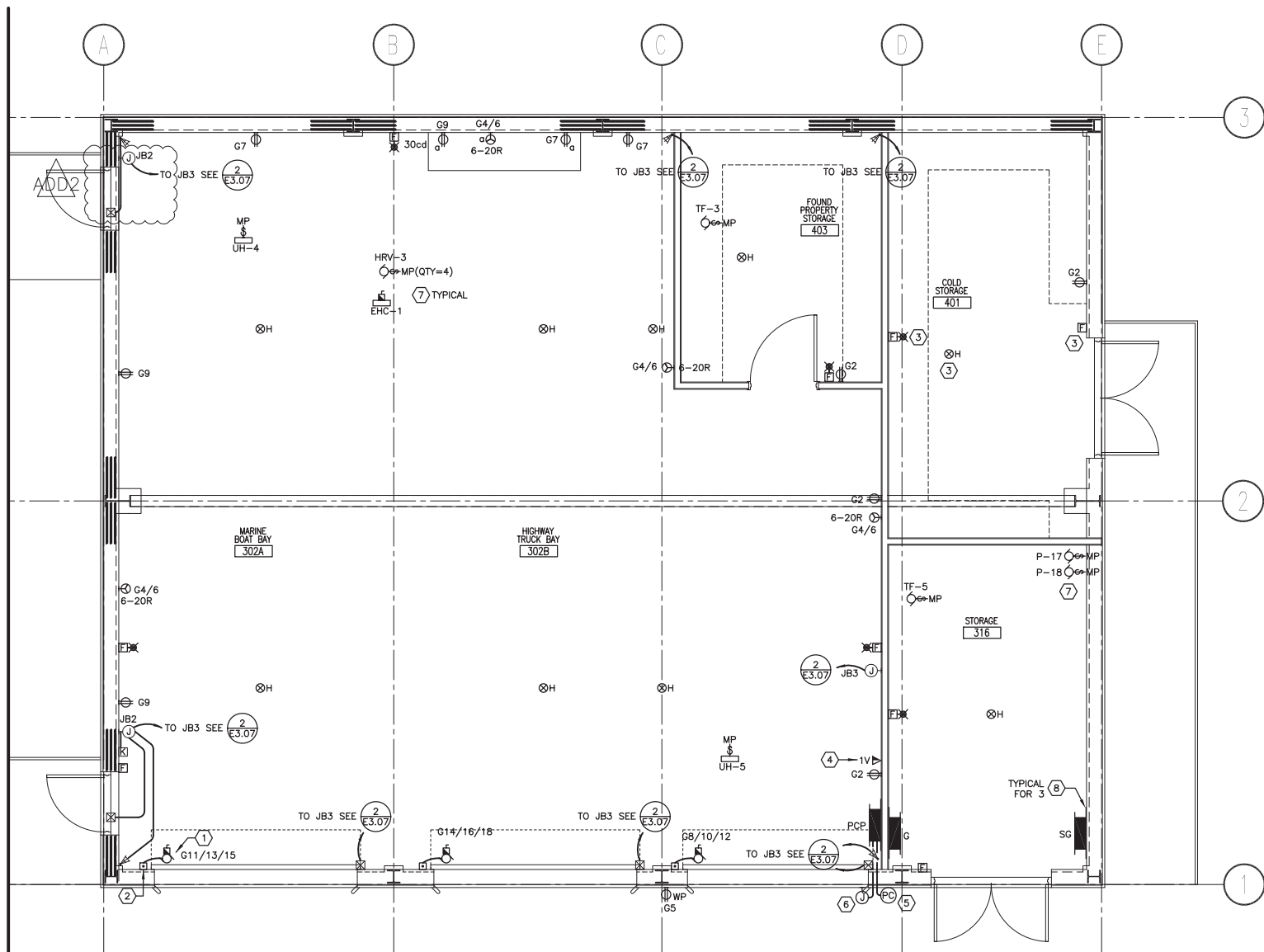
PARTIAL PRINT OF E1.09 - ROOM 412



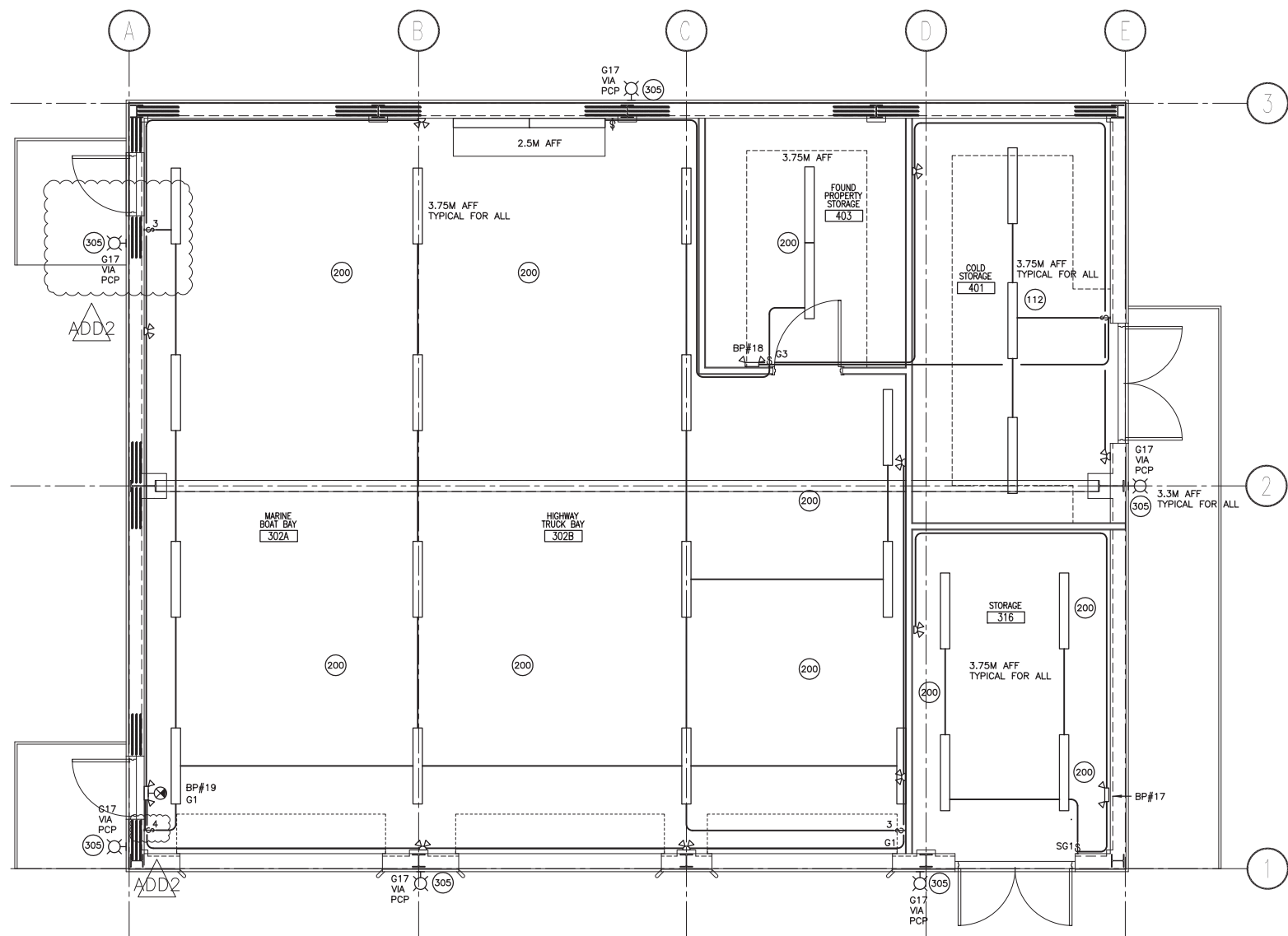




PARTIAL PRINT OF E2.02 - NEW DOOR

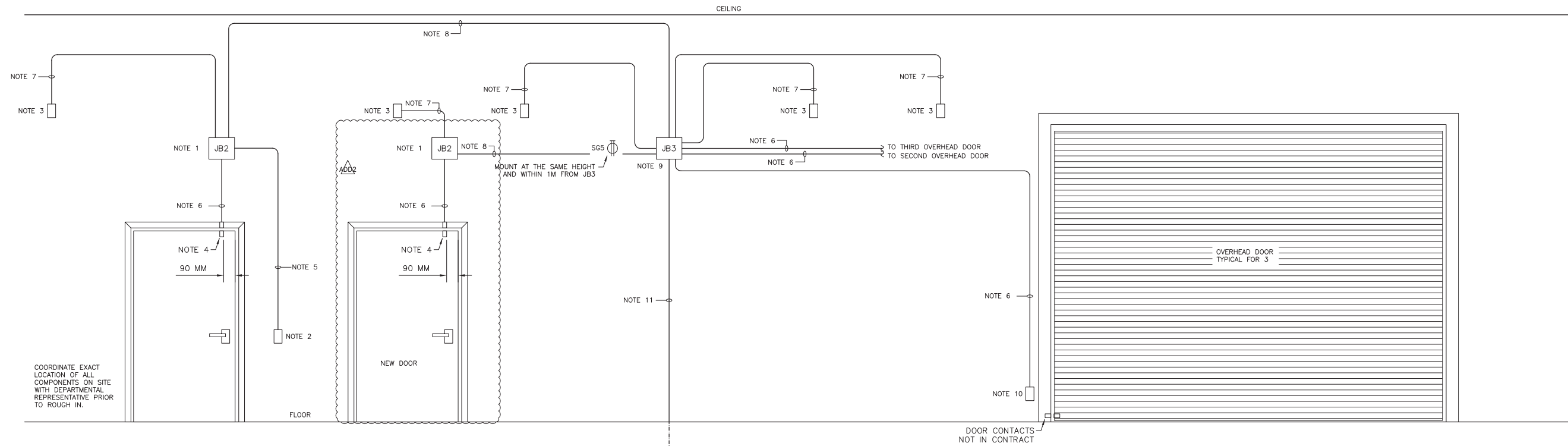


**1** OUTBOARD GARAGE BUILDING POWER, SECURITY AND FIRE ALARM SYSTEM PLAN  
E2.02 SCALE : 1:50



**2** OUTBOARD GARAGE BUILDING LIGHTING, EMERGENCY & EXIT LIGHTING PLAN  
E2.02 SCALE : 1:50

PARTIAL PRINT OF E3.07 - NEW DOOR AND ITS ASSOCIATED DEVICES ADDED TO DETAIL



NOTES:

1. 152x152x75MM JUNCTION/PULL BOX.
2. 50x100MM RECESSED BOX FOR KEYPAD ON THE SECURED SIDE OF THE DOOR. MOUNT CENTRE LINE AT 1200MM AFF. HORIZONTAL DISTANCE FROM THE DOOR TO BE APPROXIMATELY 300MM TO THE CENTRE LINE.
3. NO BACK BOX IS REQUIRED FOR CORNER WALL MOUNT MOTION DETECTOR. CONDUIT MUST BE TIGHT IN CORNER. REFER TO DETAIL 2-E1.09 FOR CONDUIT TERMINATION HEIGHT.
4. DOOR AND ITS FRAME TO BE DRILLED TO ACCEPT CONTACT SWITCH. HOLE TO BE 25MM IN DIAMETER AND 50MM DEEP AT THE LOCATION SHOWN.
5. RUN A 21MM RECESSED EMT AND PULL STRING BETWEEN THE KEYPAD BOX AND JB2.
6. RUN A 21MM RECESSED EMT AND PULL STRING BETWEEN THE HOLE, OR BOX FOR OVERHEAD DOOR, FOR THE DOOR CONTACT AND JB2.
7. RUN A 21MM RECESSED EMT AND PULL STRING BETWEEN THE MOTION SENSOR BOX AND JB2.
8. 27MM EMT AND PULL STRING TO JB3.
9. 305x305x102MM JUNCTION/PULL BOX.
10. 50x100MM BOX FOR OVERHEAD DOOR CONTACT. BOX TO BE AT 250MM AFF TO ALLOW FOR THE DOOR CONTACT AT LOWER LEVEL.
11. RUN TWO 41MM CONDUIT TO LAN ROOM 411 BACKBOARD WHERE IDENTIFIED AS INTRUSION EQUIPMENT AREA ON E1.10.

**2** INTRUSION ALARM CONDUIT AND BOX - GARAGE BUILDING  
E3.07 SCALE : N.T.S.

**3**  
E3.04

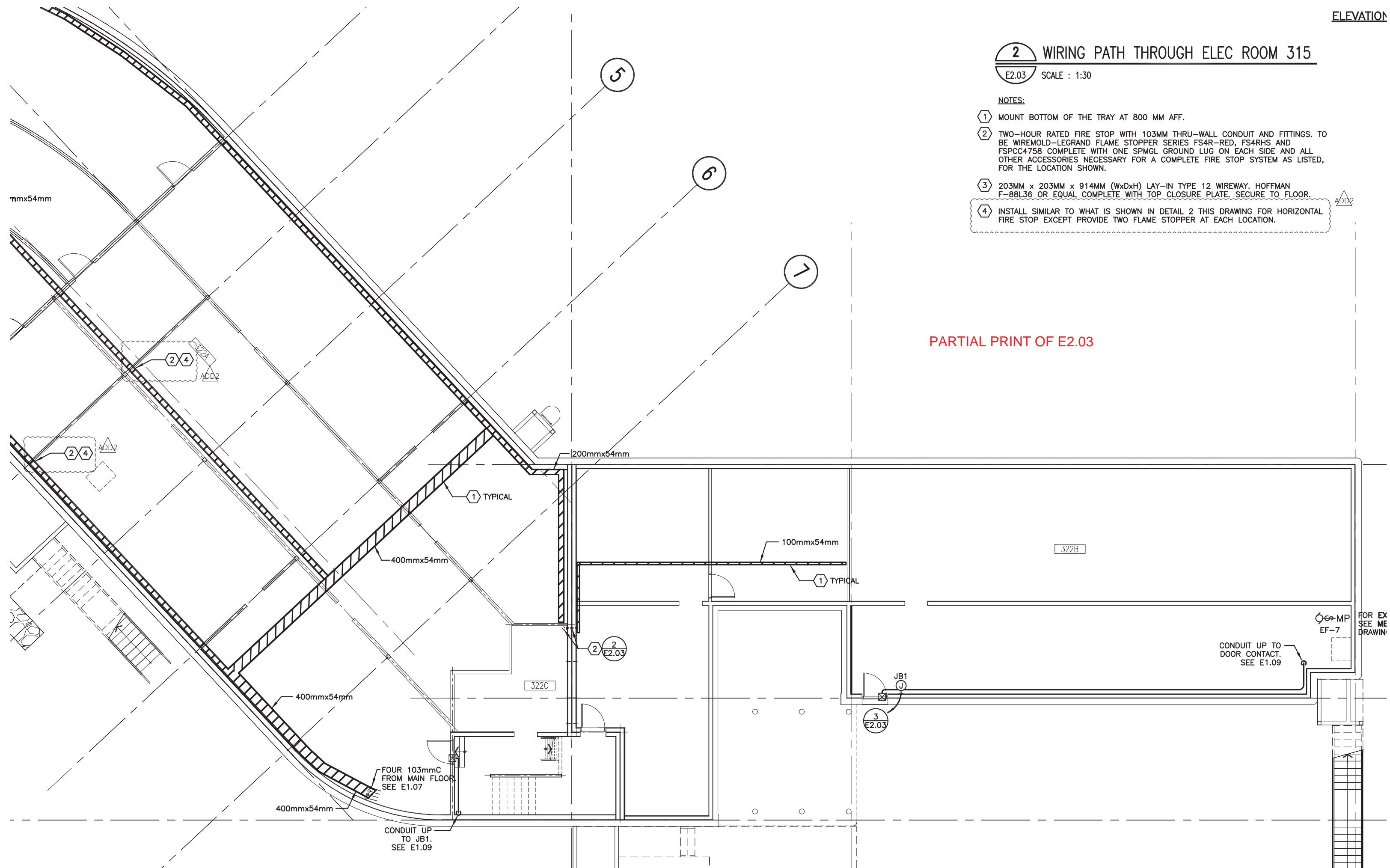
## 2 WIRING PATH THROUGH ELEC ROOM 315

E2.03 SCALE : 1:30

NOTES:

- ① MOUNT BOTTOM OF THE TRAY AT 800 MM AFF.
- ② TWO-HOUR RATED FIRE STOP WITH 103MM THRU-WALL CONDUIT AND FITTINGS. TO BE WIREMOLD-LEGRAND FLAME STOPPER SERIES FS4R-RED, FS4RHS AND FSPCC4758 COMPLETE WITH ONE SPMGL GROUND LUG ON EACH SIDE AND ALL OTHER ACCESSORIES NECESSARY FOR A COMPLETE FIRE STOP SYSTEM AS LISTED, FOR THE LOCATION SHOWN.
- ③ 203MM x 203MM x 914MM (WxDxH) LAY-IN TYPE 12 WIREWAY. HOFFMAN F-88L36 OR EQUAL COMPLETE WITH TOP CLOSURE PLATE. SECURE TO FLOOR.
- ④ INSTALL SIMILAR TO WHAT IS SHOWN IN DETAIL 2 THIS DRAWING FOR HORIZONTAL FIRE STOP EXCEPT PROVIDE TWO FLAME STOPPER AT EACH LOCATION.

PARTIAL PRINT OF E2.03



ADD2

FOR EX SEE ME DRAWING

MP EF-7

CONDUIT UP TO DOOR CONTACT. SEE E1.09

FOUR 103mmC FROM MAIN FLOOR. SEE E1.07

CONDUIT UP TO JB1. SEE E1.09

mmx54mm

2x4

ADD2

2x4

ADD2

① TYPICAL

① TYPICAL

② E2.03

③ E2.03

5

6

7

322B

322C

JB1

400mmx54mm

400mmx54mm

200mmx54mm

100mmx54mm

400mmx54mm

## 1 General

### 1.1 REFERENCES

- .1 Canadian Standards Association (CSA International):
  - .1 CSA C22.2 No.141-02, Unit Equipment for Emergency Lighting.
  - .2 CSA C860-01(December 2002), Performance of Internally-Lighted Exit Signs.
- .2 **National Building Code of Canada 2010.**
- .3 Canadian Code for Preferred Packaging.

### 1.2 SUBMITTALS

- .1 Submit shop drawings and product data in accordance with Section Section 26 05 01 - Common Work Results - Electrical.
- .2 Submit product data sheets for exit lights. Include product characteristics, performance criteria, physical size, limitations and finish.

## 2 Products

### 2.1 STANDARD UNITS

- .1 Exit lights: to CSA C22.2 No.141, NBC 2010 and NRCAN/CSA C860, packaged in accordance with the Canadian Code for Preferred Packaging guidelines.
- .2 Edge-lit housing:
  - .1 Chassis, back box and painted finish trims to be constructed of steel. Other finish trims and back boxes to be of high grade aluminum.
  - .2 White powdercoat finish.
- .3 Surface mount housing: cold rolled steel minimum 1.0 mm thick, white powdercoat finish.
- .4 Face and back plates:
  - .1 Acrylic faceplate for edgelit.
  - .2 Cast aluminum alloy for surface mount.
- .4 Lamps: Light Emitting Diode (LED) .
- .5 Operation: designed for 25 year life expectancy without relamping.
- .6 Exit Symbol: Full height green running man symbol on white door background in an overall green background with full height directional white arrow in front of the running man on the same overall green background, in compliance with the building code requirements.
- .7 Face plate to remain captive for relamping.
- .8 120VAC input.
- .9 To have DC voltage option in compliance with emergency battery packs DC voltage.
- .10 Power consumption: 2.6 W for edgelit and 1.8 W for surface mount.
- .11 To have 5 year warranty.
- .12 Universal ceiling and wall recessed mounting for edgelit and surface mounting for the rest.
- .13 Single or Double face as shown on drawings.
- .14 Arrow: as required.
- .15 To be:
  - .1 In administration parts of the building use universal mounting edgelit recessed; and
  - .2 In contained use area, crawlspace, service spaces and garage use surface mount type.
  - .3 Where the location is not listed and the type is not clear, request clarification otherwise, it would be assumed that the more expensive option is priced in bid.

## 3 Execution

### 3.1 INSTALLATION

## 2 Products

### 2.1 MATERIALS

- .1 Equipment and devices: ULC listed and labeled and supplied by single manufacturer.
- .2 Power supply: to CAN/ULC-S524.
- .3 Audible signal devices: to ULC-S525.
- .4 Visual signal devices: to CAN/ULC-S526.
- .5 Control unit: to CAN/ULC-S527.
- .6 Manual pull stations: to CAN/ULC-S528.
- .7 Thermal detectors: to CAN/ULC-S530.
- .8 Smoke detectors: to CAN/ULC-S529.
- .9 Smoke alarms: to CAN/ULC-S531.
- .10 Signal transmitting Unit to central monitoring station: to CAN/ULC-S561.

### 2.2 SYSTEM OPERATION

- .1 Two stage operation (see item 3).
  - .1 Cause an alert signal to sound. The alert signal or alarm signal shall be capable of being silenced from the alarm and control facility, but only after a minimum period of operation of 1 minute from the initial actuation of the alert signal.
  - .2 Automatically cause an alarm signal to sound if the alert signal is not acknowledged within 5 minutes of its initiation.
  - .3 Cause audible/visual signaling devices to operate continuously throughout building, at fire alarm panel and annunciators.
  - .4 Each manual pull station to be equipped so that the use of a key causes an alarm signal to sound and continue to sound upon the removal of the key from the manual pull station.
  - .5 Transmit signal to local fire department and central monitoring station via signal transmitting unit. Number to be provided by Departmental Representative and programmed by this division.
  - .6 Cause zone of alarm device to be indicated on control panel.
  - .7 Cause air handling fans to shut down.
  - .8 Cause fire doors and smoke control doors, if normally held open, to close automatically.
  - .9 Cause all locking devices on exit doors, if in the locked position, to release.
  - .10 Cause smoke control fans to operate.
  - .11 Send signal to intrusion alarm and video surveillance systems. This signal is to allow the Departmental Representative to program the two systems in future to his or her discretion to trigger any specific actions he or she desires under the alarm conditions. The scope of work under this contract is only to provide the signal and wiring to the location of the two listed systems. The utilization of the signals and programming of the two systems as described above is not in contract.
- .2 Capability to program smoke detector status change confirmation on any or all zones in accordance with CAN/ULC-S527, Appendix C.
- .3 Per Fire Marshal's direction of May 5, 2014 adjust the time delay between the first and second stage to zero such that system effectively operates as a single stage fire alarm system.

### 2.3 CONTROL PANEL

- .1 Class A.
- .2 Two stage operation, programmed to operate as a single stage per article 2.2-3.
- .3 Zoned.
- .4 For use with addressable devices.
- .5 Non-coded.



# Electrical Addendum E3

Date May 28, 2014

This addendum is issued to answer bidder's questions received on May 27, 2014, as follows:

## Question:

we are communications contractor. As a certified network installer for both Amp Net Connect and Leviton we will submitting a price on the new RCMP building tender. Before we are able to complete our bid, we hoping to get an explanation or preferably one section of the tender changed.

Section: 27 05 14- 1.2.11

States the installing contractor must employ a BICSI RCDD and they must be active in the installation and provide proof of their employment.

Typically, and RCDD is employed for design services as that is their profession and not installation. An RCDD will also assist with network management once an installation is complete.

I would like to confirm that a **Cat6A** Network is correct and not just a CAT6 network as it is very uncommon?

I am also making a request to have section 27 05 14- 1.2.11 and 12 removed from the specification as it will not allow any contractors located north of a major center such as Edmonton to submit a bid on this project. There are very few network installation contractors who would employ an RCDD as there has never been a requirement like this for a project in the north before, especially with the size of the project. With this section included in the specifications, this limits the contractors to just a few who could submit a bid. We also feel an RCDD is not required as they do design work, the network design for this project is already complete within the drawing, showing all locations of head ends, data and voice locations.

As this tender is closing soon, we appreciate you addressing this as soon as possible.

## Answer:

The requirements of articles 1.2-11 & 12 of section 270514 are from PWGSC specification for CAT6A wiring, which is provided to Stantec for inclusion in the project's documents.

It is our understanding that the tender documents shall be adhered to unless an exception is specifically issued by Contracting Officer for this matter.

The specifications indication of augmented Cat6 (Cat6A) is correct.

**End of Addendum E3**