

**ADDENDUM NUMBER: ONE**

**ISSUED BY: SEPW Architecture Inc.  
109 - 3725 Pasqua Street, Regina, SK S4S 6W8  
PH. (306) 569-2255**

**PROJECT: 25A RANGE RENOVATION  
REGINA, SK**

This Addendum forms part of the Contract Documents and amends the original Drawings and Specifications dated 2016-07-21, previous Addenda if applicable and as noted below. This Addendum consists of 5 pages and attached Specification Sections and Drawings as listed below.

Ensure that all parties are aware of all items included in this Addendum.

**The following revised or additional Drawings accompany and form an integral part of this Addendum:**

<b>Dwg. No.</b>	<b>Title</b>	<b>Date of Issue</b>
AR01	Counter Opening Detail	2016-09-13
AR02	Wall Section	2016-09-13

**A-1-1 REF. SECTION 08 56 53, SECURITY WINDOWS**

- .1 1.4.2 DELETE this paragraph in its entirety.
- .2 ADD the following:
  - “1.9 SUMMARY
  - .1 Window frame and glazing assemblies shall be factory fabricated units, designed to be bullet resistant to the specified threat level, and shall conform to applicable requirements of this section.”
- .3 2.2.1.3 REVISE to read “Steel Shapes, Plates, and Bars”

**A-1-2 REF. SECTION 08 88 56, BALLISTICS-RESISTANT GLAZING**

- .1 1.4.3.1 REVISE to read: “Submit drawings showing dimensioned details of window units, including intended metal and glazing materials. Show detailed sections for members; indicating construction, size, and thickness of components, together with connections, fasteners, and means of separating dissimilar metals.”

**A-1-3 REF. SECTION 11 67 23, SHOOTING RANGE EQUIPMENT**

- .1 2.3.1.11 DELETE this paragraph in its entirety.
- .2 ADD the following  
“2.12 LIGHTING CONTROL  
.1 Range Control Software (RCS) shall provide the interface to control all lighting located within the firing range. Refer to electrical lighting drawing E2.1 for description of all lighting zones requiring control by RCS.  
.2 Lighting control interface shall be available on both the Master Control Unit and mobile tablet  
.3 RCS shall provide all components and programming required for the RCS to communicate to the low voltage lighting system. Proposed system includes ASCII commands sent over RS-232 serial communications to low voltage lighting system. This proposed system provides the communication path for commands from the TCS touchscreen to the lighting system. Refer to Section 26 09 24 Low Voltage System.  
.4 The RCS shall provide dimming control for any lighting zones noted as dimming on drawing E2.1. The interface shall communicate dimming levels through high-medium-low settings. Any zone utilizing fixtures type ‘BB’ shall provide additional level of dimming described as follows: high-medium-low-night.  
.5 In addition to zone control shown on drawings, contractor shall allow for the programming of 5 additional custom scenes as directed by the owner a minimum of 3 weeks prior to commissioning of system.”
- .3 ADD the following  
“2.13 EXTERNAL CONTACT  
.1 Provide external dry contact for future connection to access control system card reader output. Provide programming to shut-down and start-up range control system upon activation of this dry contact. When system is disabled through this contact, system shall energize red warning lights to signal that the range is not to be used.”

**A-1-4 REF. DRAWING A2.1**

- .1 Reference Drawing 1, Main Floor Demolition Plan; ADD the following note:  
“Contractor to provide a design for all temporary lateral shoring of the exterior block walls, as required, depending on the chosen construction sequencing. The design shall be provided by and sealed by a structural engineer registered to practice in the province of Saskatchewan.”

**A-1-5 REF. DRAWING A4.1**

- .1 Reference Drawing 2, Wall Section; REPLACE this detail in its entirety with sketch AR02 accompanying this addendum.

**A-1-6 REF. DRAWING A4.2**

- .1 Reference Drawing 3, South Elevation; PROVIDE a 100mm wide opening in the lip of the wood trim of the counter. Two openings will be required per each section of counter (4 total). Refer to sketch AR01 accompanying this addendum.

**A-1-7 REF. DRAWING S0**

- .1 ADD the following general note: “Contractor to provide a design for all temporary lateral shoring of the exterior block walls, as required, depending on the chosen construction sequencing. The design shall be provided by and sealed by a structural engineer registered to practice in the province of Saskatchewan.”

**A-1-8 REF. DRAWING S2**

- .1 Reference Detail 3 and Detail 4; DELETE “1-16ø x 100lg. anchor @ each plate”

**A-1-9 REF. DRAWING E3.1**

- .1 Reference Drawing Note #9; ADD Cord reel acceptable manufacturer – Woodhead.

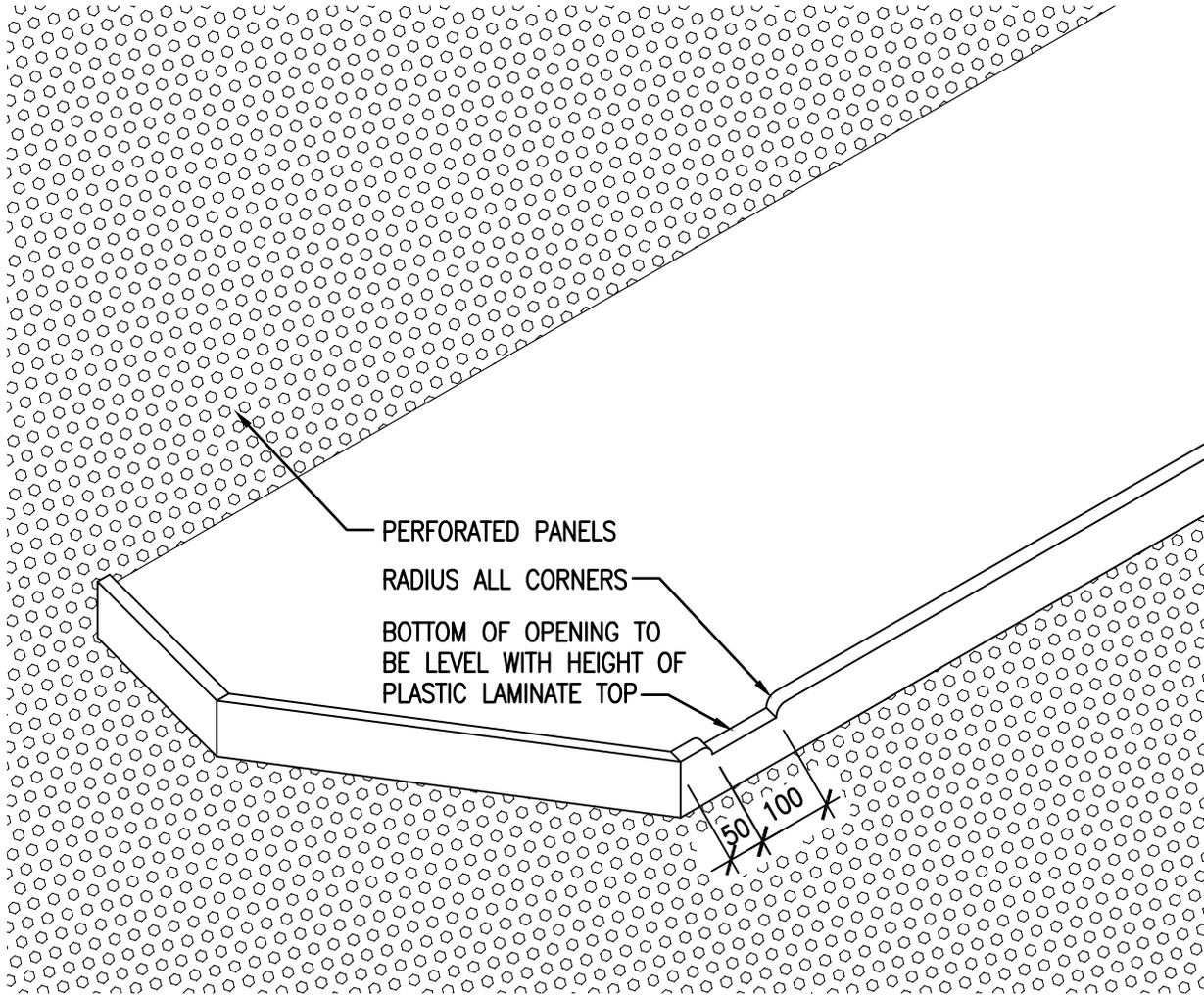
**A-1-10 REF. GENERAL QUESTIONS**

- .1 Q: Reference detail 3, 4/S2. Can you please provide details of the plate this anchor is associated with. I understand the continuous angle with 13 dia anchors every 1200 o/c. Just not sure what this anchor is attached to?  
A: The called up angle can be deleted. Only the continuous angle is required for the roof deck connection on Sections 3 & 4 on S2. Refer also to Point A-1-8 noted in this addendum.
- .2 Q: In the specification Section 085653, there is no specific manufacturer mentioned concerning product type, model or series. I know trade named manufacturers are not normally noted. Having said that, we do need to obtain a special window/glazing from a manufacturer that has valid UL752 test results. The frame and glazing are tested together. The existing detailing on the architectural drawings do not match any of the manufacturer’s detailing. Specifically the size. The existing detail shows a wrap around type of frame similar to a pressed steel frame. There are two types of wall thicknesses also which further compounds the problem.  
A: The intent is to have a complete rated assembly including the glazing and the frame. Frame profile shown is for representational purposes only. A butt style frame will be acceptable for installation in the noted partition assemblies. Refer also to Point A-1-1 noted in this addendum.
- Q: I would suggest a rolled steel channel that can be made to suit both wall thicknesses and then the window and glazing can be directly anchored to the steel. This would provide continuous protection. Most pre-manufactured frames vary from 2 1/2” to 4 1/2” in depth, which would fit inside the overall steel channel depth.  
A: A steel channel will not be included in this work. The window frame will need to be anchored to the core filled concrete block or steel studs.

- .2 con't      Q: I also am questioning why the framing closest to the range is rated at Level 1. The wall is not rated but the window is. Not sure about consistency of protection if this is to act as a level of a sacrificial protection.  
A: The Level 1 glazing is intended to protect against a misfire of handguns. Level 1 rating of the glazing will help eliminate the need to replace the glazing in there is an impact on the glazing closest to the range.
- .3              Q: Request for equals for fixture types AA, BB, CC, DD, and B?  
A: Not applicable as request has been withdrawn.
- .4              Q: Request for equals for mechanical equipment?  
A: The manufacturer must meet the specified requirements for the basis of design as indicated under Article 1.20 of Section 21 05 01. Do not submit requests for equals for equipment and material specified under the Mechanical Scope; refer to Section 21 05 01 Common Work Results – Mechanical Article 1.20 Alternate Materials and Equipment for requirements when using material that differs from the basis of design.
- .5              Q: Is it possible to get an extension on the closing date of this tender to September 21, 2016?  
A: No extension has been granted as of the time of this addendum.
- .6              Q: Specification Section 08 88 56 Ballistics-Resistant Glazing - page 2, item 1.4.3.1 notes professional engineer stamp. Is this required for this project?  
A: Ballistic Glazing shop drawings are not required to be stamped by a professional engineer in Saskatchewan. Refer also to Point A-1-2 noted in this addendum.  
  
Q: Architectural Drawing A3.1 - are all windows shown on elevation existing?  
A: All exterior windows shown on elevations are existing.
- .7              Q: Can an additional site visit be scheduled to assist with the demolition portion? If we could also have access to the roof that would be greatly appreciated.  
Removing the roof structure well keeping the building weather tight as per 01 56 00 is very challenging so we want to make sure we have a proper plan in place.  
A: As noted in Amendment #1, additional site visit has been scheduled for Wednesday, September 14, 2016 at 11:45am.

- .8 Q: In the section Shooting Range Equipment, Section 11 67 23, Part 2.3.1 Bullet Trap Performance criteria, the requirement states that the trap shall be A) capable of capturing projectiles of calibre .308/7.62mm with energies up to 3600 ft-lbs; B) that the trap shall decelerate bullets in a shredded rubber medium...; and C) the rubber medium shall not exceed 3 ft in depth as measured in the horizontal.
- In our experience with granulated traps these three factors are incompatible. 3 ft thick rubber material is typically insufficient to guarantee complete deceleration of centre fire rifle rounds up to .308/7.62mm in the rubber media.  
Will the RCMP consider the GranTrap from Meggitt Training Systems as a suitable alternate?
- A: The GranTrap with stepped bed plates is an acceptable alternate, provided that, the framing and deeper granular material does not exceed the noted 4270mm maximum footprint and AR500 plate is a requirement that must be met.
- Q: The specifications indicate that the rubber cover on top of the angled plate of the trap shall be 2", however we typically use a heavy duty 5/8" rubber sheet which is far more durable and longer lasting for primary impacts than our standard 2" Shredded Rubber Plank (SRP) Ballistic Panels. Again, would this be considered as an alternate as long as it meets the intent of the specification which is to ensure that fired round which impact the steel plate on top of the over trap are 100% contained and allow for no ricochet of splatter coming back towards the shooter?
- A: The use of the noted heavy duty 5/8" rubber sheet will be acceptable for the cover on the angled plate of the trap, provided that documentation is provided indicating the proposed material will contain the fired round and will eliminate ricochet.
- .9 Q: Can you provide a product name for the specification 072113.2.1.2 ? This is the firing range baffle acoustical treatment to underside.
- A: There are several manufacturers available that meet the performance characteristics noted in the specifications.
- .10 Q: Section 08 88 56 Ballistics-Resistant Glazing; page 4 of this section, item .7.1 notes laminated bullet resistant glass, and item .7.3 note fibreglass panels. Our supplier of ballistics-resistant glazing is questioning the above, as they only can supply laminated bullet resistant glass, not fiberglass panels. As a glazing contractor, we will only be able to bid on Level 1 and Level 7 laminated glass. Please advise.
- A: Ballistic resistant glazing assemblies vary between manufacturers. All ballistic resistant glazing assemblies meeting the Level 1 and Level 7 requirements of UL752 will be acceptable.

**END OF SECTION**



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## COUNTER OPENING DETAIL

1:20

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PROJECT TITLE  
**25A RANGE RENOVATION  
 REGINA, SASKATCHEWAN**

DRAWING TITLE  
**COUNTER OPENING DETAIL**

DATE  
**2016-09-13**

SCALE  
**AS NOTED**

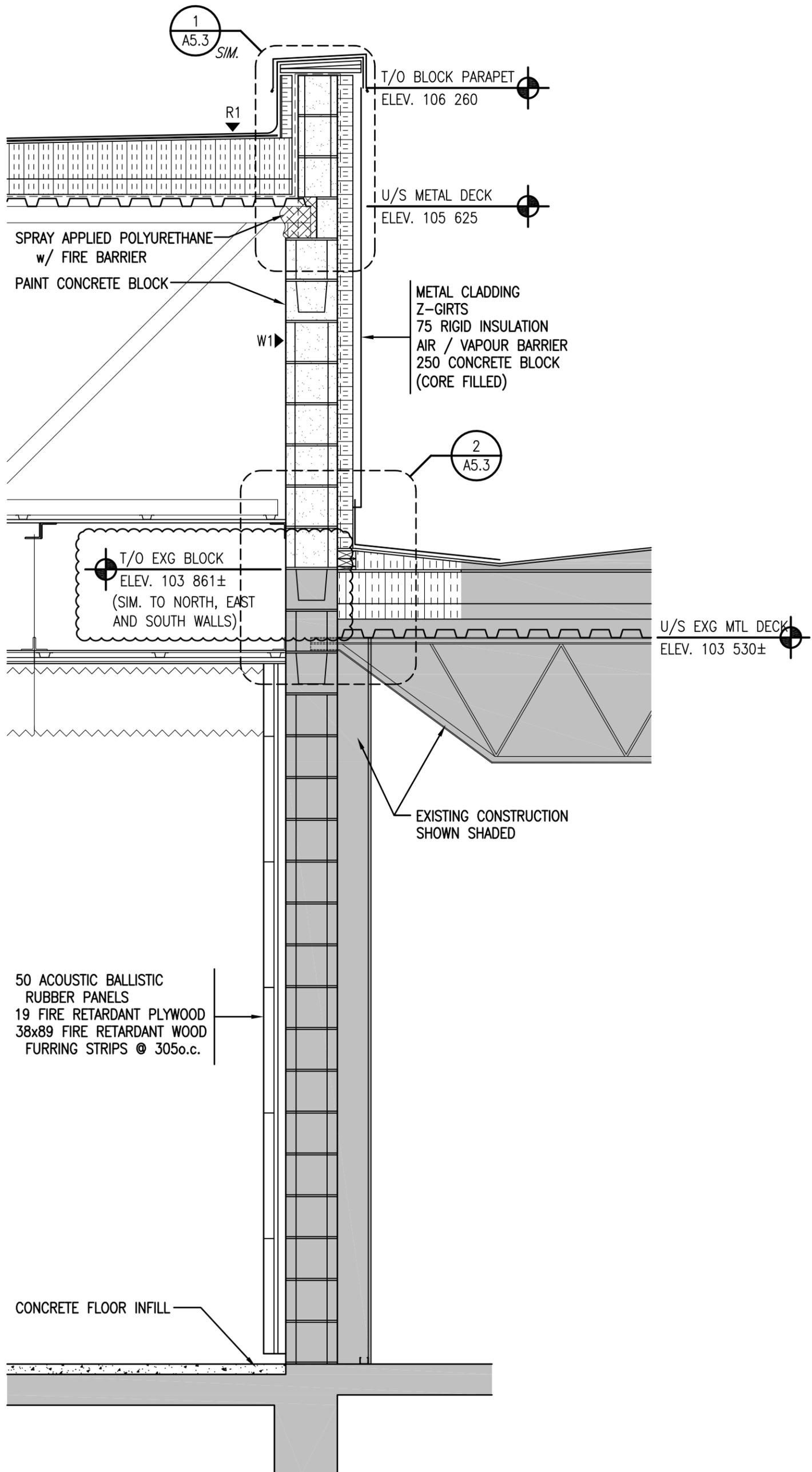
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PROJECT NO.  
**27/2015**

DRAWING NO.

**AR01**



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A2.4

## WALL SECTION

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**WALL SECTION**

DATE  
**2016-09-13**

SCALE  
**AS NOTED**

DRAWN  
**RM**

CHECKED

PROJECT NO.  
**27/2015**

DRAWING NO.

**AR02**