



## **Regional Municipality of Durham**

### **Bid Opportunity: T-1160-2021 – Construction of New Seaton Paramedic Station and Training Facility in the City of Pickering**

Closing Date: Tuesday, January 11, 2021; 2:00 PM

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#### **Addendum Number 03 – December 17, 2021**

This addendum will form a part of the bid documents for the above-noted bid and shall be read in conjunction therewith. This addendum will take precedence over all requirements of the original bid documents and any addenda issued previously.

**Bidders shall acknowledge receipt of this addendum with their electronic bid submission on the declaration page in the bidding system.**

#### **Revised closing date**

Bidders are hereby advised that the bid closing date has been revised to Tuesday, January 11, 2022, until 2:00 pm local time. The deadline for questions has been revised to Friday, December 10, 2022, and the deadline for issuing Addenda has been revised to Thursday, December 23, 2022.

#### **Attachments**

##### **Specifications**

1. Section 10 22 26 Operable Partitions.
2. Section 10 28 13 Washroom Accessories.

##### **Drawings – Structural**

1. Drawing S-108 Details Sheet 7 of 7.
2. Drawing S-200 Foundation Plan.

##### **Document 1 of 4**

1. Document 1 of 4, Item 1.6.6; revise 90 days to 60 days.

## **Appendix B – Supplementary Conditions**

### **Article 8, re GC 3.5 Construction Schedule**

1. In clause 8.2, delete new paragraph 3.5.3 and replace with the following:

“3.5.3 The *Owner* may order the *Contractor* to submit a revised construction schedule showing how the *Contractor* will complete the project on schedule within the specified *Contract Time*, at no additional cost to the *Owner*, if the *Contractor* fails to:

  - .1 complete a milestone activity by its scheduled completion date, or;
  - .2 maintain the agreed critical path of the construction schedule.”

### **Article 12, re GC 3.11 Use of the Work**

1. In clause 12.1, delete new paragraph 3.11.5 and replace with the following:

“3.11.5 The *Owner* shall have the right to enter and occupy the building in whole, or in part, for the purpose of operating the facility after Substantial Performance but before completion of the *Contract*. Such entry and occupation shall not be considered as acceptance of the Work or in any way relieve the Contractor from responsibility to complete the Contract.”

### **Article 13, re GC 3.13 Cleanup**

1. In clause 13.1, delete new paragraph 3.13.4 and replace with the following:

“3.13.4 In cases where, in the sole opinion of the *Owner*, the safety of the *Place of the Work* is compromised, or the cleanup required of accumulated waste products or debris is of an egregious nature, the *Owner* shall have the right to back charge cleaning costs to the *Contractor* if not done by the *Contractor* within 24 hours of *Notice in Writing* to cleanup such accumulated waste products or debris.’

### **Article 17, re GC 5.2 Applications for Progress Payment**

1. In clause 17.6, delete new paragraph 5.2.9.

### **Article 28, re GC 6.6 Claims for a Change in Contract Price**

2. In the first sentence of new paragraph 6.6.1, delete the words “immediately upon becoming aware of the situation” and replace with “on the next Working Day after becoming aware of the situation”.
3. Delete clause 28.3. (related to 6.6.5) in its entirety.

### **Article 38, re GC 12.2 Waiver of Claims**

1. In clause 38.2, delete new paragraph 12.2.7 and replace with the following:  
“12.2.7 The party giving “*Notice in Writing* of claim” as provided for in GC 12.2 - Waiver of Claims shall submit within 60 calendar days, or such other time period as may be agreed by the parties, a detailed account of the amount claimed.”

## **Appendix D1 Deliverables**

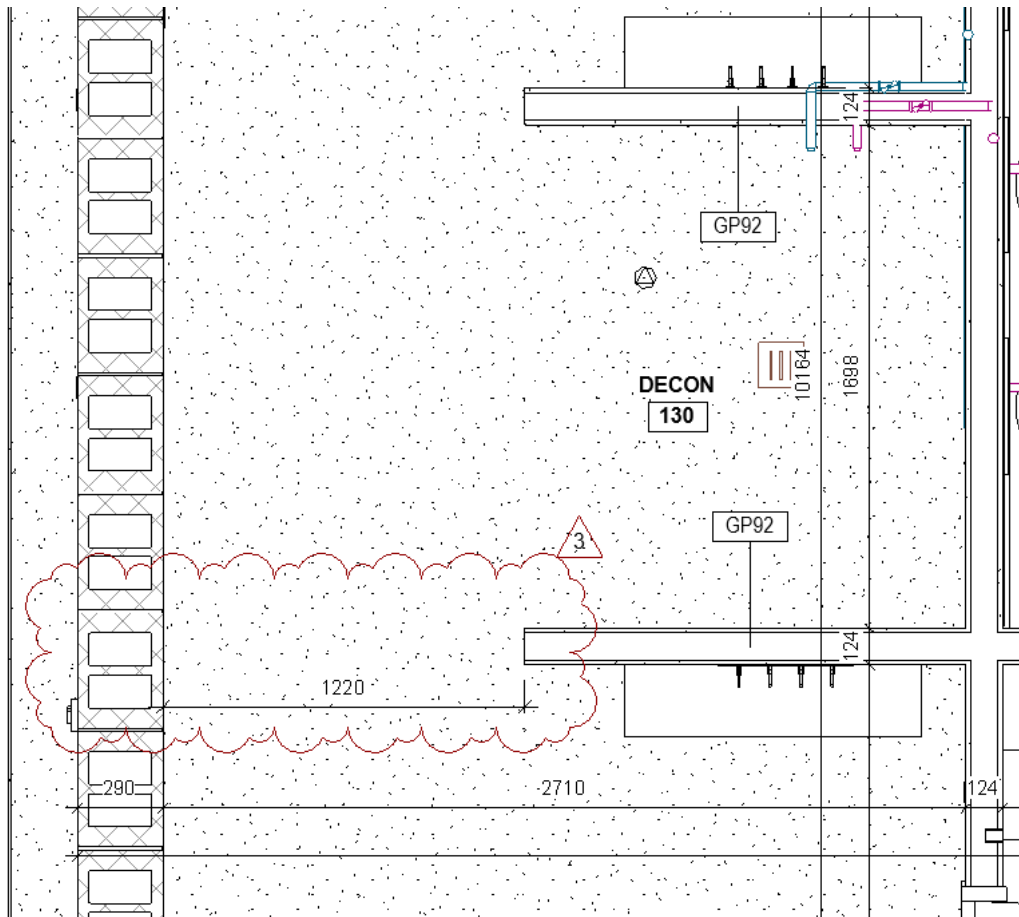
### **Architectural Specifications**

1. Section 10 22 26 Operable partitions
  1. Deleted pass door.
  2. Changed pocket door type to Type III.
  3. Provided panel finishes.
2. Section 10 28 13 Washroom accessories
  1. Revised 3.5 Washroom and custodial accessory schedule.
  2. Added 3.7 Washroom and custodial accessory - quantity and location schedule.

## Appendix D-2 Material Disclosures

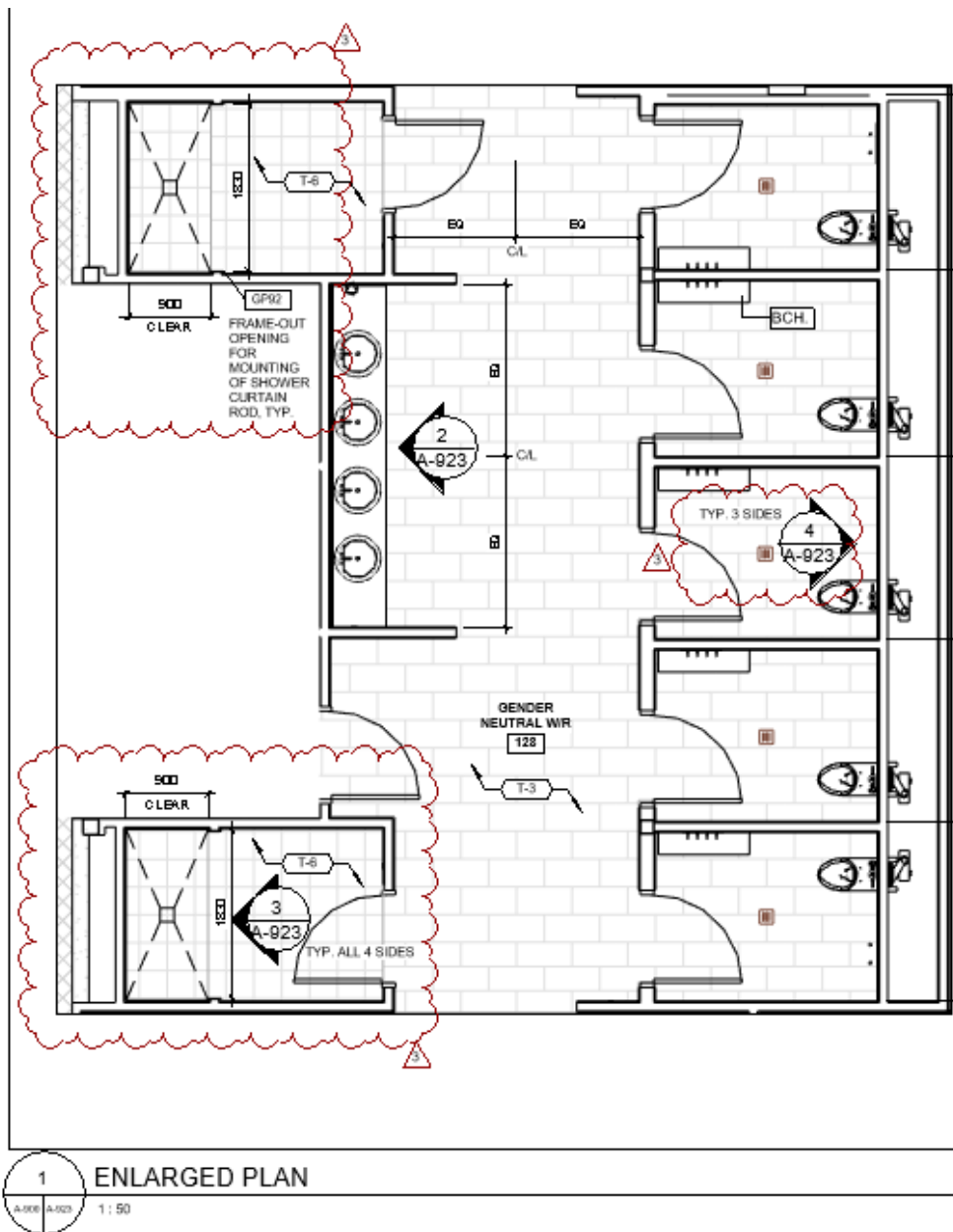
### Drawings – Structural

1. S-108 Details Sheet 7 of 7 (attached in this Addendum)
  1. Additional structural information for garbage enclosure.
2. S-200 Foundation Plan (attached in this Addendum)
  1. Missing footing reinforcement information provided.
3. 1/A-203 Enlarged Main Washroom Plan
  1. Added dimension for openings inside Decon 130.



4. 1/A-923 Enlarged Plan

1. Added GP92 to frame shower opening for mounting of shower curtain rod.
2. Added floor drains in both shower rooms.
3. Clarified which walls to receive tile in shower rooms and toilet rooms.



## **Questions and Answers**

### **Question 1:**

Please confirm if there are any permanent fencing or gates required. None were found in the specifications or drawings.

### **Answer 1:**

There is no permanent fencing or gates required.

### **Question 2:**

Please provide a specification for cabling. Cabling specification could not be found in Division 27.

### **Answer 2:**

Please see Project Manual - Volume 1, Appendix A, Region of Durham Network Standards.

### **Question 3:**

Could you please advise if communication is part of the scope of work? If yes, please provide the specification of it.

### **Answer 3:**

Yes, communication is part of the scope. Please see Project Manual - Volume 2, Specifications 27 05 00 Common work results for communications, 27 51 23 Intercom and public address systems, and 27 53 13 Clock system.

### **Question 4:**

Can you please confirm if a fall protection system is needed in this job, we see a legend that roof anchors are required but no layout is given as in sheets A-400 and S-203?

### **Answer 4:**

Fall protection system is not required for this project.

### **Question 5:**

Referencing 8/A-801 presently a small angle iron shown to support the curtain wall. Please provide specific size and details of it.

**Answer 5:**

All framing supports (such as anchors) are to be designed, engineered, supplied and installed by glazing contractor to anchor curtain wall back to building structure.

**Question 6:**

Please provide a specification for the locker room benches.

**Answer 6:**

See 06 40 23 Interior architectural woodwork.

**Question 7:**

Please confirm where window film is required as none shown on the glazing or door schedule.

**Answer 7:**

See revised drawings A-004 and A-005, issued as part of Addendum 01.

**Question 8:**

Washroom accessories 10 28 13. Specification product schedule shows a large quantity of accessories that are not located on drawings. Please provide a schedule that matches drawings.

**Answer 8:**

See revised 10 28 13 Washroom accessories, issued as part of this Addendum 03.

**Question 9:**

Lockers 10 51 13. It looks like a row of lockers at corridor 102a but not labelled. Please clarify.

**Answer 9:**

See details 1 and 2 on drawing A-920 for Millwork MW001.

**Question 10:**

Regarding Entrance mats 12 48 29:

Is it the intent for this section to provide mats at rooms 102, 102a and 122 as shown on drawing A900. The only size shown is at room 102 outside of vestibule 101 (6'0x6'0). Please provide sizes and locations.

**Answer 10:**

Yes, the intent is to provide entrance floor mats in Vestibule 101 (3568mm W x 1979mm L), Corridor 102a (1974mm W x 3425mm L), Corridor 102 (2023mm W x 3426mm L), Vestibule 122 (1822mm W x 3000 L).

Verify site dimensions prior to fabrication.

**Question 11:**

Regarding 10 22 26- Acoustic Operable Partition:

Section 2.2.10 refer to Schedule of Finishes for panels finish. But in section 09 06 00, there is nothing specified for section 10 22 26. Is a standard vinyl finish acceptable?

**Answer 11:**

Please refer to Addendum 02.

**Question 12:**

Also, Section 2.2.11 ask for a pass door but there is no door on drawings. Is it required?

**Answer 12:**

Please refer to Addendum 02.

**Question 13:**

Please confirm if the aluminum door hardware is to be supplied by owner or supplied by aluminum door supplier.

**Answer 13:**

All hardware is to be in this construction contract, including aluminum door hardware. Hardware for door D016 shall be per 10 22 19 Demountable Premanufactured Partition Systems.



**Question 14:**

Locker spec 10 51 13:

Spec 2.1.4.1 calls for basis of design, GSS' Eclipse II Lockers. GSS' Eclipse II lockers have since been replaced with GSS' Elite lockers. Please advise if acceptable.

**Answer 14:**

Acceptable.

**Question 15:**

GSS' new Elite lockers, with the heavier outer 14ga door and 20ga inner door, do not require a honeycomb core as the thicker material will absorb the sound. Also, the manufacturer has moved away from honeycomb core as the cardboard core will absorb moisture and rust the lockers doors from the inside-out. Please advise if this is acceptable.

**Answer 15:**

Acceptable.

**Question 16:**

Spec 2.1.3.2.1 calls for sound deadening core (not available in GSS' new Elite locker as noted above) Elevation drawings 1/A-600 & 4/5/A-922 show perforated doors. Please advise if perforated doors are required. Please advise if there are 5 lockers in corridor 102a adjacent to locker room 129.

**Answer 16:**

Perforated doors are not required as long as the lockers are vented. Corridor 102a consists of MW001; See details 1 and 2 on drawing A-920 for Millwork MW001.

**Question 17:**

Referencing the specified validity period of 90 days, we hereby request this validity period be revised to 30 days to accommodate the volatile pricing from varying material sectors such as steel, insulation, drywall, electrical cabling & conduit, piping material and resin. Having such a lengthy validity period would negatively impact the project as follows:

- a. Limit / discourage subcontractors from pricing due to material escalation providing for less interest and competitive pricing.
- b. Add risk money to mitigate this material escalation impacting the overall price.
- c. Due to market fluctuation, prices we receive from subcontractors are only valid for maximum 30 days. For the best interest of the project, we feel a more reasonable timeframe of 30 days is warranted.

**Answer 17:**

Please refer to revision of Document 1 of 4 above, in this Addendum 03.

**Question 18:**

Please advise if section 1/A701 is applicable for foundation walls rigid insulation along Grid Lines E & F between Grid Lines 2 and 5.

**Answer 18:**

Yes, please provide rigid insulation.

**Question 19:**

Referencing to the online submission of pricing breakdown, we would like to suggest you allow us to submit one Lum sum number in a tender form with bonding attached at the time of closing to the website and 24 hour later we can submit the requiring price breakdown. Please clarify.

**Answer 19:**

No Change. Pricing breakdown is required prior to Bid Close.

**Question 20:**

Please confirm that the steel shelves listed in spec section 10 56 13 are by owner as per drawing A-902.

**Answer 20:**

Steel shelves in Secured Storage Room 126 shall be by Contractor. Steel shelves in Storage 115 shall be by Owner.

**Question 21:**

Please clarify if we are to use the material labelled as fill in the borehole as backfill to foundations.

**Answer 21:**

Follow Geotech report for backfill recommendations.

**Question 22:**

Please confirm that all earthwork material on site is non impacted and non contaminated.

**Answer 22:**

Refer to Phase One Environmental Site Assessment Update.

**Question 23:**

Drawings S-201 shows a 175mm SOG in the vehicle bay and a 125mm SOG in the remainder of the building, however between GL 5&5 and D&R it notes floor F-1 150mm conc. slab. Please clarify if full slab is 125mm SOG in this area or 150mm SOG in this area.

**Answer 23:**

Use 125mm for office area.

**Question 24:**

Please confirm that all material labelled as fill is to be removed under the SOG and is unsuitable to support the SOG.

**Answer 24:**

Refer to Geotech report.

**Question 25:**

Please confirm that Phase 2 is not part of this tender.

**Answer 25:**

Confirmed, Phase 2 is not part of this tender.

**Question 26:**

Please advise if weeping tile for building is required, not shown on the drawings.

**Answer 26:**

Per Geotech report, perimeter drainage is required if the proposed building has one (1) level of basement. This project does not have a basement.

**Question 27:**

Referencing to structural drawing S-200 & S-201, mentioned about drawing 200.1 for phase 2. But this drawing is not included in this package. Please clarify.

**Answer 27:**

Phase 2 is not part of this tender.

**Question 28:**

Referencing to spread footing schedule in structural drawing S-200, no reinforcement information has been provided for type F-1 and F-4. Please clarify.

**Answer 28:**

F-1 reinforcement information has been added to revised drawing S-200, issued with this Addendum 03.

For F-4, please include reinforcement for 2% of the cross-sectional area in the bid amount.

**Question 29:**

Referencing to drawing A-102 and signage specification section 10 14 00, there is no specification provided for the Type 5: Fire Extinguisher signs. Please advise.

**Answer 29:**

Fire extinguisher sign shall be corrosion resistant aluminum with engineer-grade reflective enamel finish. Pre-drilled mounting holes.

Basis-of-design: Uline S-14801A, or approved equivalent.

**Question 30:**

Referencing to civil drawing C-102, have shown Ø75mm for the domestic watermain service. Subtrades suggested to use Ø100mm PVC DR18 instead. Please clarify.

**Answer 30:**

100mm PVC DR18 is acceptable. Please provide larger size fitting to reduce it in the mechanical room.

**Question 31:**

Referencing to servicing plan C-102, water service is 75mm but there is nothing mentioned about material type and even in specifications. Please provide more details on this one.

**Answer 31:**

See Region's standard:

<https://www.roadauthority.com/ASP/mpl/mpl.asp?MPIShortName=Durham%20MPL&product=AB85CE0A-E9AB-4724-A357-EDF73F42999B>

**Question 32:**

Question from site services subtrade. 150Ø sanitary service pipe with steel case - can we use cement grout instead of sand fill in between steel case and sanitary pipe. Please clarify.

**Answer 32:**

Please provide sand fill per drawings.

**Question 33:**

Referencing to specification 12 31 00 for manufactured metal casework and architectural drawings, subtrade have not been able to find any of the metal/stainless casework on the drawings. Please advice.

**Answer 33:**

Please See Addendum 02.

**Question 34:**

Please clarify if insulation is required at electric snow melting. Please provide detail.

**Answer 34:**

Provide 75mm rigid insulation below all exterior frost slabs (as shown on drawing S-201), below all concrete sidewalk with electric snow melt (as shown on M-001), and below any concrete slabs surrounding the building (per Geotech report).

**Question 35:**

Please refer to GC 3.5.5. Please delete clause 3.5.5 as all of the owners' operations should be clearly defined in the contract documents for proper incorporation and consideration in the construction schedule. Alternatively, if a conflict between the owners' requirements to operate an operational facility and the contractor's performance of the work causes a delay to the contractor, the contractor should be entitled to an extension of contract time and the contract price for the duration of the delay, unless the owners' requirements are clearly defined and have not been changed through the course of construction.

**Answer 35:**

Please see revision to GC 3.5 Construction Schedule in Appendix B – Supplementary Conditions above, in this Addendum 03.

**Question 36:**

Please refer to GC 3.5.3. Please revise this clause to read that the contractor will provide the owner with a method to return to the accepted construction schedule if the contractor falls behind on the critical path or alternatively refer to GC 3.5.2 as it covers the contractor falling behind in the critical path.

**Answer 36:**

Please see revision to GC 3.5 Construction Schedule in Appendix B – Supplementary Conditions above, in this Addendum 03.

**Question 37:**

Refer to GC 3.11.5. Please delete this clause. Any parts of the operation that are foreseen by the owner as needing to occupy the building prior to the building handover, should be clearly defined in the contract documents prior to closing.

**Answer 37:**

Please see revision to GC 3.11 Use of the Work in Appendix B – Supplementary Conditions above, in this Addendum 03.

**Question 38:**

Refer to GC 2.3.8 and GC 2.4.4. Please consider deletion as these clauses are onerous as written. Suspension for work can have adverse on both schedule, completion, and costs. We respectfully believe that suspension of work should be reserved for major issues (i.e safety concerns).

**Answer 38:**

No change. The Contractor, Consultant and Owner must endeavor to communicate effectively to prevent delays in inspection. The Consultant will have a contract administrator on site full time and the Region expects that the Contractor will have daily communication with the Consultant's contract administrator, so they understand the Contractor's progress and schedule.

The Consultant needs to be able to anticipate the need for inspections and will be responsible to schedule inspections in a timely manner to mitigate delaying the Contractor. Further, the Contractor shall not cover any work prior to any necessary inspections being performed and consent to cover the work is given by the Consultant.

**Question 39:**

Please refer to GC 3.8.13. We would like to request that the second sentence be removed. If the Contractor proposes a substitution that may also provide cost savings to the owner, the Contractor should not be liable for costs of the Owner's project team to review the substitution.

**Answer 39:**

No change. The Consultant and Owner have spent much time crafting the specifications so any proposal for a substitution which would take a significant time investment to review equivalency would be subject to this back charge if not accepted.

**Question 40:**

Please refer to SC 5.3. Please revise the seven calendar days to be 14 calendar days.

**Answer 40:**

No change. In the Region's payment process, the Consultant recommends payment to the Owner and the Owner has the final approval of payment amounts. Giving the Consultant 14 calendar days to make a recommendation would not give the Owner sufficient time to finalize the progress payment prior to the deadline prescribed by the Construction Act for a Notice of Non-Payment.



**Question 41:**

Please expand on, or clarify, GC 3.8.10 “responsibility for liabilities” as the GC is in relation to specified products. We are unclear on what liabilities would apply.

**Answer 41:**

No change. The “liabilities” refers to the Contractor's responsibility to ensure that the Product they select will physically fit in the space allotted and the Contractor must understand and accept any cost “liabilities” for additional materials related to that Product's installation in the space allotted.

**Question 42:**

Please refer to GC 3.8.16. Please clarify what liabilities the Contractor is accepting here.

**Answer 42:**

No change. Same liabilities as noted for paragraph 3.8.10.

**Question 43:**

Please refer to GC 3.13.4. We would like to request that 24 hours be changed to 72 hours.

**Answer 43:**

Please see revision to GC 3.13 Cleanup in Appendix B – Supplementary Conditions above, in this Addendum 03.

**Question 44:**

We would like to request that GC 5.2.3 be deleted and that GC 5.2.7 be applicable to all products and materials delivered to the site and not yet installed.

**Answer 44:**

No change. Prices provided in the Schedule of Sections and Prices (the Schedule of Values) are for supply and installation.

If there are specific Products where this is a concern, please submit a request through bids&tenders for consideration for payment of such Products under paragraph 5.2.7.

**Question 45:**

Please delete from GC 5.10 the word substantial from in front of indemnity.

**Answer 45:**

No change. Anything less than "substantial indemnity" is not acceptable.

**Question 46:**

Please add GC to GC 5.10 applicable to 5.10.1 to 5.10.8 the following "does not apply to construction liens claimed by the Construction Manager, nor does it apply if the Owner has, in breach of its contractual obligations, wrongfully failed to pay amounts due and owing to the Construction Manager under the Contract".

**Answer 46:**

There is no Construction Manager under this Contract. Please clarify.

Paragraph 5.8.2 would be applied for any amounts owed by the Contractor to the Owner.

**Question 47:**

Please refer to GC 3.14.3. For reference can you please elaborate on this clause to include the delay events defined in GC 6.5?

**Answer 47:**

No change. The Liquidated Damages are not a penalty that would normally be offset by a bonus. They are compensation for damages which would be sustained by the Owner.

**Question 48:**

Please refer to GC 6.5.7. We would like to request that notice of intent to claim to be changed to 5 working days and full supporting documentation from Environment Canada be 14 calendar days or longer. In our experience, collecting information from Environment Canada can take multiple weeks as Environment Canada is not always updated daily.

**Answer 48:**

We will allow next Working Day for the notice of intent to claim. Requirement for submission of full claim within 5 Working Days remains unchanged. Environment Canada data is posted online very quickly.

**Question 49:**

Please refer to GC 6.5.9. We would like to request that this be deleted as this is onerous as written as Contractors are not able to predict the weather as forecasts change hourly.

**Answer 49:**

No change. This clause requires only that the Contractor take “reasonable measures” to mitigate delays.

**Question 50:**

Please revise GC 6.6.1 and remove the word “immediately” to read “as soon as possible”.

**Answer 50:**

Please see revision to GC 6.6 Claims for a Change in Contract Price in Appendix B – Supplementary Conditions above, in this Addendum 03.

**Question 51:**

Please refer to GC 6.6.3. We would like to request deletion of the following “and shall advance no claim in the absence of such written evidence, and shall not use, or attempt to use, against the other party any conversation with any parties” as this is onerous as written.

**Answer 51:**

No change. Oral arrangements are not acceptable for a change in the Contract Price. They must always be followed up with a written notice and written evidence.

**Question 52:**

Please refer to GC 6.6.3. We would like to respectfully request 30 calendar days be revised to 60 calendar days to align with the change in GC 6.6.5. We would also like to request the following revision “6.6.3 The party making the claim shall submit to the Consultant a detailed account of the amount claimed and the grounds upon which the claim is based. Such claim shall be submitted within a reasonable time, and in any event no later than 60 calendar days, or within such other time period as may be agreed by the parties, after becoming aware of the situation.”

**Answer 52:**

The revision to paragraph 6.6.5 has been deleted in this Addendum 03.

**Question 53:**

Please refer to GC 12.2.7. Please add “or within such other time period as may be agreed by the parties”

**Answer 53:**

Please see revision to GC 12.2 Waiver of Claims in Appendix B – Supplementary Conditions above, in this Addendum 03.

**Question 54:**

Please refer to GC 12.3.2.1. We would like to request that five full working days be amended to be “a reasonable time frame”. Depending on the type of defect or deficiency, the work could possibly take longer than five full working days.

**Answer 54:**

No change. This clause only requires commencement of the correction within 5 Working Days, not completion.

**Question 55:**

Please advise who will supply and install transformer pad as per drawings 2/E-106.

**Answer 55:**

Contractor to provide transformer pad.

**Question 56:**

Please provide extent of concrete paving, light duty and heavy-duty asphalt pavements at the fire route and associated parking areas.

**Answer 56:**

The extents are clear on the Civil Site Grading Plan C-103. Parking spaces are light-duty asphalt. All other paved surfaces, including Driver Training Pad (less parking spaces) and Fire Route are heavy-duty asphalt. Concrete paving areas are as shown. Also see Architectural Site Plan – Phase 1 A-100 and Landscape Layout Plan L-102.

**Question 57:**

Given the circumstances of the ongoing fluctuations in the market as it relates to supply and distribution, it would be prudent to include language addressing material escalations or a contingency.

**Answer 57:**

The Region is not prepared to allow escalation clauses.

**Question 58:**

Please refer to GC 5.2.9. We would like to request that held payment due to a registered lien be limited to the value of the lien plus a percentage.

**Answer 58:**

Please see revision to GC 5.2 Applications for Progress Payment in Appendix B – Supplementary Conditions above, in this Addendum 03.

**Question 59:**

Please refer to SC 20.1.3. (re GC 5.5.1) We would like to request deletion as Waiver of Claims should be in accordance with GC 12.2 as written in the unamended CCDC2-2008.

**Answer 59:**

No change. This clause does not limit the Contractor's rights under GC 12.2 rather it is intended to provide the form of the Notice in Writing and have the Contractor summarize all previously submitted claims on that form.

**Question 60:**

Please refer to GC 5.7.1. Please confirm that the final funds are specific to the warranty security holdback and all other completed work can be billed prior.

**Answer 60:**

That is correct.

**Question 61:**

Please clarify the percentage of warranty security required.

**Answer 61:**

Reference Specifications Section 00 61 14 for details of how the Warranty Security Holdback will be calculated for each progress payment.

**Question 62:**

Please refer to GC 5.8.2. This clause is onerous as written and we would like to request that it be deleted.

**Answer 62:**

This clause is intended to give the Owner the right to withhold from the Contractor's progress payments any amount that it feels are owed to the Owner in accordance with the Contract Documents. We will consider alternate wording as long as the intent is maintained.

**Question 63:**

Referencing the Soil Management Plan noted in the specifications, please confirm the associated testing & inspections & chemical analysis of this new regulation shall be covered under the Cash Allowance for Testing & Inspections.

**Answer 63:**

Yes, covered under Cash Allowance.

**Question 64:**

Please confirm that the Elexicon Energy will supply and install electric pole as per drawings 1/E-106.

**Answer 64:**

Confirmed, electrical pole is by Elexicon (or through Mattamy).

**Question 65:**

Please confirm the anticipated award period for the contract.

**Answer 65:**

The Contract is anticipated to be award by the end of February.

**Question 66:**

Please confirm the anticipated building permit approval.

**Answer 66:**

It is anticipated that building permit approval be granted prior to Order to Commence Work.

**Question 67:**

Referencing the Road Work on Concession Road 5, noted to be excluded from our scope, please confirm the

1. Anticipated Timeframe for this work to occur.
2. The Delineation of scope is everything outside the property line.
3. That this work will have all its required traffic control as needed by the Road Work contractor.

**Answer 67:**

Mattamy is anticipating all services and asphalt within Fifth Concession to be completed by summer/fall 2022. Mattamy is responsible for everything outside the property line. Traffic control will be by Mattamy's road work contractor.

**Question 68:**

Referencing to drawing 5/A-103 for garbage enclosure detail shows 300 thick reinforced slab. And drawing 2/S-108 showing 200 thick reinforced slab. Please confirm which drawing to follow.

**Answer 68:**

Drawing 2/S-108 will govern.

**Question 69:**

Ceiling type C7 (draw. A300) is not in the ceiling assembly schedule (draw. A001). Please advise.

**Answer 69:**

Ceiling type C7 in Classrooms 112 & 113 shall be similar to C3 suspended gypsum board.

**Question 70:**

Please advise on anticipated start and completion dates of the project.  
Contract CCDC 2-2008, Article A-1 – The Work.

**Answer 70:**

See Appendix B – Supplementary Conditions (SC) to Stipulated Price Contract CCDC 2-2008, Article A-1 – The Work.

**Question 71:**

In regards to the Wood ceiling in spec section 09 84 30, is the specified Decoustics product to be Solo grooved planks or panelized linear wood?

**Answer 71:**

Continuous linear wood with black fiber strips.



**Question 72:**

Referencing 5/A-808 presently a small angle iron shown to support the curtain wall. Please provide specific size and details of it.

**Answer 72:**

All framing supports (such as anchors) are to be designed, engineered, supplied and installed by glazing contractor to anchor curtain wall back to building structure.

**Question 73:**

There is a discrepancy between the drawings and the specifications. The drawings don't show a steel roof but there is a specification for a steel roof which specifies TSR System 1000 by Vicwest. Please advise.

**Answer 73:**

Steel roof is for garbage enclosure.

**Question 74:**

Please confirm if EW-07 is the Al Longboard with a wood finish. We cannot seem to locate this is on the drawings or where this product/wall system is utilized. Please clarify?

**Answer 74:**

Exterior in front of front and rear vestibules.

**Question 75:**

Is Sub base fuel tank to be 24hrs (point#2.6.5.2) or 48hrs (point#1.5.4)? Both are mentioned on the genset specs.

**Answer 75:**

Please provide 48 hours.

**Question 76:**

As per site servicing plan C-102, water service is 75mm but there is no mention of material type and even on the spec. Please clarify.

**Answer 76:**

Please refer to answers 30 & 31 above.

**Question 77:**

Can you please confirm if a fall protection system is needed in this job, we see a legend that roof anchors are required but no layout is given as in sheets A-400 and S-203?

**Answer 77:**

Please refer to answer 4 above.

**Question 78:**

Fabricated metal gates (section 32 31 13) are not found on the drawings. Please advise.

**Answer 78:**

Fabricated metal gates are for the garbage enclosure per A-103.

**Question 79:**

Drawing 4/S-104 exterior overhead door apron slab and drawing 1/S-500 are conflicting each other. Detail 1/S-500 showing 200 thick frost slab supported on foundations and detail 4/S-104 showing it different. Please advise which drawing to follow and details of apron slab if required.

**Answer 79:**

1/S-500, 6/S-501, 2/S-505 will govern. Refer to S-200 for foundation wall and spread footing dims/reinforcement.

**End of Addendum 03**

## **1 General**

### **1.1 Section includes**

- .1 Horizontal Operable Partition:
  - .1 Folding panel acoustic partition, paired panel side stacking.
  - .2 Ceiling track and operating hardware.

### **1.2 Performance requirements**

- .1 Sound Transmission Coefficient (STC): measured in accordance with ASTM E90, tested on partition assembly in a laboratory, and calculated according to ASTM E413 and ASTM E90.
- .2 Install partition system track capable of supporting imposed loads, with maximum deflection of 1/360 of span.
- .3 Surface burning of MDF and marker board finishes: CAN/ULC-S102; flame/smoke rating of 25/50.
- .4 Seismic Performance: Partition system shall withstand the effects of earthquake motions determined according to requirements of applicable code.

### **1.3 Administrative requirements**

- .1 Coordination:
  - .1 Coordinate with other work having a direct bearing on work of this Section.
  - .2 Coordinate the work with other sections providing panel finish materials to this section.

### **1.4 Submittals for review**

- .1 Submit according to Section 01 33 00 – Submittal Procedures.
- .2 Product Data: Provide data on partition operation, hardware and accessories, colours and finishes available.
- .3 Shop Drawings: Show location and extent of operable partitions. Include plans, elevations, sections, details, attachments to other construction, and accessories. Indicate dimensions, weights, conditions at openings, and at

storage areas, and required installation, storage, and operating clearances. Indicate location and installation requirements for hardware and track, including floor tolerances required and direction of travel. Indicate blocking to be provided by others.

- .1 Include structural analysis data for attachments, signed and sealed by a qualified professional engineer licensed in the locality of the Project, and responsible for their preparation. Include design calculations for seismic restraints.
- .4 Setting Drawings: Show imbedded items and cutouts required in other work, including support beam punching template.
- .5 Samples:
  - .1 Submit two 300 x 300 mm samples of surface finish on specified substrate illustrating quality, finishes and colours selected.
- .6 Sustainable Design: Submit the below completed forms demonstrating compliance with Section 01 81 13 – Sustainable Design Criteria:
  - .1 APPENDIX-B to Section 01 81 13 titled 'LEED v4 Material Reporting Form- Low Emitting'
  - .2 APPENDIX-C to Section 01 81 13 titled 'LEED v4 Material Reporting Form'

### **1.5 Submittals for information**

- .1 Qualifications Data: For Manufacturer and Installer.
- .2 Installation Data: Manufacturer's installation requirements including special procedures, perimeter conditions requiring special attention, and installation sequence.
- .3 Manufacturer's Certificate: Certify that partition system meets or exceeds specified acoustic requirements.

### **1.6 Closeout submittals**

- .1 Operation and Maintenance Data:
  - .1 Include recommended cleaning methods, cleaning materials, and stain removal methods.

- .2 Describe cleaning materials detrimental to finished surfaces and hardware finish.

### **1.7 Quality assurance**

- .1 Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this Section with minimum five (5) years documented experience.
- .2 Installer Qualifications: Company specializing in performing the work of this section with minimum five (5) years documented experience and approved by the manufacturer.

### **1.8 Regulatory requirements**

- .1 Conform to applicable code for combustibility requirements for materials.

### **1.9 Warranties**

- .1 Provide two (2) year manufacturer's warranty starting from date of Substantial Performance covering repair or replace components of partition system that fail in materials or workmanship.
- .2 Provide manufacturer's lifetime warranty for hinges.

## **2 Products**

### **2.1 Materials – general**

- .1 Sustainable Design: Refer to Section 01 81 13 – Sustainable Design Criteria for LEED material requirements.

### **2.2 Horizontal operable partition**

- .1 Manual paired panel acoustic partition:
  - .1 Subject to conformance with the requirements of this Section provide 'Acousti-Seal Encore' paired panel, manual wall partition system manufactured by Modernfold Inc, A DORMA Group Company; or
  - .2 An approved alternate product by one of the following:
    - .1 Corflex Toronto;

- .2 Moderco Inc.; or
  - .3 Other approved alternate.
- .2 STC value: 52
- .3 Panel Construction:
- .1 Framing: Manufacturer's standard, horizontal and vertical framing members fabricated from minimum 1.3 mm thickness formed steel with rigidly formed laps and welded corners, 108 mm thick by 1,295 mm wide panels. Top channels reinforced to support suspension system components. Frame designed with full vertical edges of formed steel and providing concealed protection of panel facing edges.
  - .2 Panel Substrate and Facing: Roll-formed steel wrapping around panel edge. Panel skins shall be lock formed and welded directly to the frame for unitized construction.
  - .3 Hinges: Full leaf butt hinges, attached directly to panel frame with welded hinge anchor plates within panel to further support hinge mounting to frame. Hinges mounted into panel edge or vertical astragal are not acceptable.
  - .4 Vertical Interlocking Sound Seals between panels: Roll-formed astragals, with reversible tongue and groove configuration in each panel edge, for universal panel operation. Rigid plastic astragals or astragals in only one panel edge are not acceptable.
- .4 Track: Formed steel, profile designed to support loads; steel sub-channel and track connectors; connected to structural support with threaded steel hanger rods. Pre-paint exposed track components manufacturer's standard off-white.
- .5 Carriers: Ball bearing, steel-tired wheels on trolley carrier at tops of panels; quantity per manufacturer's standard. Size carriers to support imposed loads, and equip with threaded pendant bolt for vertical adjustment.
- .6 Final Closure: Manufacturer's standard constant-force, lever-operated mechanical closure expanding from panel edge to create a constant-pressure acoustical seal.

.7 Acoustic Seals: Manufacturer's standard automatic retractable floor seals and flexible vinyl acoustic seals at ceiling.

.8 Accessories:

.1 Provide manufacturer's standard fittings and attachments. No exposed panel trim.

.9 Acoustic Sealant: Manufacturer's standard.

~~.10 Panel finishes:~~

~~.1 Panel Facing: Refer to Schedule of Finishes.~~

~~.11 Pass door:~~

~~.1 ADA-compliant pass door of the same thickness, acoustical construction and finish as the basic panels. Locate where shown on the plans. Provide pass door with the following:~~

~~.1 Dead bolt Lock.~~

~~.12.10~~ Pocket Door: Unequal half, bi-folding pocket door.

.1 Basis of design: ~~Type IV B~~ Type III pocket door by Modernfold Inc, or approved alternate.

.2 Finish to match panel.

## 2.3 Panel finishes

.1 Panel Facing: Reinforced heavy duty vinyl with woven backing weighing not less 30 ounces (850 grams) per lineal yard~~Reinforced vinyl wall covering with woven backing~~; PVC - free and GREENGUARD Indoor Air Quality Certified. Colour to be later selected by Consultant from manufactures standard range.

~~.2 Refer to Schedule of Finishes for Manufacturer, colours, patterns and finishes.~~

## 3 Execution

### 3.1 Examination

.1 Verify existing conditions before starting work.

.2 Verify attachment substrate and site conditions.

- .3 Verify that field measurements are as indicated on shop drawings.
- .4 Verify track supports are laterally braced and will permit track to be level within 6 mm of required position and parallel to the floor surface.
- .5 Verify floor flatness of 3 mm in 3 m, non-cumulative.

### **3.2 Preparation**

- .1 Verify that required utilities are available, of the correct characteristics, in proper location, and ready for use.

### **3.3 Installation**

- .1 Install partitions to manufacturer's written instructions and ASTM E557.
- .2 Installed panels to be correctly matched for overall appearance and between adjacent panels, and free of breaks, cracks, chips, and deformities.
- .3 Fit and align partition assembly level and plumb.
- .4 Lubricate moving components.
- .5 Apply acoustic sealant to achieve required acoustic performance.

### **3.4 Adjusting**

- .1 Adjust partition assembly to provide smooth operation from stacked to full open position without warping or binding. Do not over-compress acoustic seals.
- .2 Visually inspect partition in full extended position for light leaks to identify a potential acoustical leak.
- .3 Adjust to achieve light tight seal.
- .4 Touch up minor finish damage. Remove and replace partition components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

### **3.5 Cleaning**

- .1 Clean installed work.
- .2 Clean finish surfaces and partition accessories.



### **3.6 Closeout activities**

- .1 Demonstration: Demonstrate operation of partition, identify potential operational problems.

**End of section**

## **1 General**

### **1.1 Section includes**

- .1 Furnish labour, materials and other services to complete the fabrication and installation of:
  - .1 washroom accessories and framed mirrors and
  - .2 Attachment hardware.
- .2 Include all materials and fitments required for the operation of any unit furnished, in the manner, direction and performance shown on the shop drawings and specified herein.

### **1.2 Related requirements**

- .1 Section 06 10 00 – Rough Carpentry
- .2 Section 09 21 16 – Gypsum Wallboard
- .3 Section 09 30 00 – Tiling

### **1.3 References**

- .1 American Society for Testing and Materials (ASTM):
  - .1 ASTM A153/A153M-09, Standard Specification for Zinc Coating (Hot Dip) on Iron and Steel Hardware
  - .2 ASTM A653/A653M-15, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
  - .3 ASTM A666-10, Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar
  - .4 ASTM A1008/A1008M-12a, Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable

### **1.4 Submittals**

- .1 Submit in according to Section 01 33 00 – Submittal Procedures.
- .2 Sustainable Design: Submit the below completed forms demonstrating compliance with Section 01 81 13 – Sustainable Design Criteria:

- .1 APPENDIX-B to Section 01 81 13 titled 'LEED v4 Material Reporting Form- Low Emitting'
- .2 APPENDIX-C to Section 01 81 13 titled 'LEED v4 Material Reporting Form'
- .3 Shop Drawings: Show and describe in detail, materials, finishes, dimensions, details of connections and fastenings, elevations, plans, sections, metal gauges, hardware and any other pertinent information.
- .4 Coordinate the work of this Section with the placement of internal wall reinforcement.

## **1.5 Delivery, storage and handling**

- .1 Coordinate deliveries to comply with construction schedule and arrange ahead for off the ground, under cover storage location.
- .2 Materials shall be carefully checked, unloaded, stored and handled to prevent damage. Protect materials with suitable non-staining waterproof coverings.
- .3 Store materials in original, undamaged containers or wrappings with manufacturer's seals and labels intact.
- .4 Unsatisfactory materials shall be removed from the site.
- .5 Adequately protect the structure and work of other Sections during delivery, storage, handling and execution of the work of the Section.
- .6 Provide tools, plant and other equipment required for the proper execution of the work of this Section.

## **2 Products**

### **2.1 Manufacturers**

- .1 Basis-of-Design Products: Products named in this Section were used as the basis-of-design for the project; additional manufacturers offering similar products may be incorporated into the work of this Section provided they meet the performance requirements established by the named products and provided they submit requests for substitution in accordance with Section 01 25 00 – Substitution Procedures.

.2 Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include; but are not limited to, the following:

- .1 ASI Watrous - Global Partitions;
- .2 Bobrick;
- .3 Frost;
- .4 Koala Kare;
- .5 Dyson; or
- .6 Approved alternate.

## **2.2 Materials – sustainable design**

.1 Refer to Section 01 81 13 – Sustainable Design Criteria for LEED material requirements.

## **2.3 Materials**

- .1 Provide one of the products indicated for each designation in the Washroom and Custodial Accessory Schedule below, subject to compliance with specified requirements.
- .2 Stainless Steel: In accordance with ASTM A666, Type 304, with No. 4 finish (satin); minimum nominal thickness as established by product type.
- .3 Sheet Steel: Steel: In accordance with ASTM A1008/A1008M, cold rolled, commercial quality; minimum nominal thickness as established by product type; surface preparation and metal pretreatment as required for applied finish.
- .4 Galvanized Steel Sheet: In accordance with ASTM A653/A653M, minimum Z180 coating designation.
- .5 Galvanized Steel Mounting Devices: In accordance with ASTM A153/A153M, hot dip galvanized after fabrication.
- .6 Fasteners: Screws, bolts, and other devices of same material as accessory unit, tamper and theft resistant when exposed, and of galvanized steel when concealed.

## 2.4 Fabrication

- .1 Washroom and Custodial Accessories:
  - .1 Surface Mounted:
    - .1 Fabricate units with tight seams and joints, and exposed edges rolled.
    - .2 Hang doors and access panels with continuous stainless steel hinge.
    - .3 Provide concealed anchorage where possible.
  - .2 Recessed Mounted:
    - .1 Fabricate units of all welded construction, without mitred corners.
    - .2 Hang doors and access panels with full length, stainless steel hinge.
    - .3 Provide anchorage that is fully concealed when unit is closed.
- .2 Workmanship shall be best grade of modern shop practice known to recognized manufacturers specializing in this work. Joints and intersecting members shall be accurately fitted, made in true planes with adequate fastening. Wherever possible fastenings shall be concealed.
- .3 Isolate where necessary to prevent electrolysis between dissimilar metal to metal or metal to masonry or concrete contact.
- .4 Fabricate and erect work square, plumb, straight, true and accurately fitted. Provide adequate reinforcing and anchorage.
- .5 Drilling shall be reamed and exposed edges left clean and smooth.
- .6 Include anchors and fastenings necessary to anchor work of this Section.
- .7 Coordinate with Section 06 10 00 – Rough Carpentry, for wood blocking for attachment of washroom accessories.
- .8 Keys: Provide universal keys for internal access to accessories for servicing and re-supplying. Provide minimum of six (6) keys to Owner's representative.

### **3 Execution**

#### **3.1 Examination**

- .1 Inspect surfaces over which the work of this Section is dependent for any irregularities detrimental to the application and performance of the work. Notify Consultant in writing of all conditions which are at variance with those in the Contract Documents and/or detrimental to the proper and timely installation of the work of this Section. The decision regarding corrective measures shall be obtained from the Consultant prior to proceeding with the affected work.
- .2 Commencement of work of this Section implies acceptance of surfaces and conditions.

#### **3.2 Installation**

- .1 Make thorough examination of drawings and details, determine the intent, extent, materials, conditions of interfacing with other work and be fully cognizant of requirements.
- .2 Work of this Section shall include complete installation of items specified herein. Installation shall be in strict accordance with manufacturer's printed instructions.
- .3 Securely fasten accessories, level and plumb in the locations shown on the drawings and specified herein. All fastenings shall be concealed.
- .4 Co-ordinate the work of this Section with the work of other Sections to provide the necessary recesses, edge conditions wood blocking for the accessories as required.
- .5 Do all drilling of steel, masonry and concrete necessary for the anchorage of the work.
- .6 Installed grab bars shall be capable of supporting a downward pull of 500 lbs. per lineal foot.

#### **3.3 Adjusting**

- .1 Check mechanisms, hinges, locks and latches, adjust and lubricate to ensure that accessories are in perfect working order.

### 3.4 Cleaning

- .1 Upon completion of the work of this Section or when directed by Consultant, remove all protective coatings, and coverings. Clean and polish exposed surfaces.

### 3.5 Washroom and custodial accessory schedule

- .1 This schedule includes Basis of Design product and finish selections.
- .2 Submit alternate to the following Basis of Design products in accordance with Section 01 25 00 - Substitution Procedures.
- .3 Mounting locations per drawings or as directed by Architect in the field.

No.	Description / Model
CH1	Coat Hooks for Toilet Stalls: Satin finished stainless steel, square profiled robe hook with concealed mounting, provide <u>1</u> for each washroom, located as directed by Consultant: ASI           7340-S Bobrick      B-76717
CH2	Coat Hooks for Change Rooms: Satin finished stainless steel, rectangular hook strip, 2mm thick, four stainless steel hooks snap down for safety, complete with tamper-resistant mounting screws. Unit 455mm wide x 140mm high x 20mm deep. Provide in change rooms, in locations indicated on the Drawings: Bobrick      B-985
FNDU	Feminine Napkin Dispenser Unit: Surface mounted, equipped for two (2) coin operation, napkin and tampon dispenser, stainless steel construction, handicap accessible: ASI           0864 Bobrick      B-2800x2 Frost         608-3
FND	Feminine Napkin Disposal: Surface mounted, concealed fastening, self closing disposal opening with leak proof plastic receptacle and 10 disposable liners for initial stocking purposes for each unit: ASI           0852 Bobrick      B-270 Frost         622

GB1	<p>Grab Bar: Horizontal 1.214mm (0.048") thickness; <u>610mm (24")</u> long x 38mm (1-1/2") Ø, straight, stainless steel, slip resistant grip, concealed mounting, cap secured with vandal resistant set screws:                  ASI 3801-24P                  Bobrick B-6806.99x24</p>
GB2	<p>Grab Bar: Vertical 1.214mm (0.048") thickness; <u>1065mm (42")</u> long x 38mm (1-1/4") Ø, straight, stainless steel, slip resistant grip, concealed mounting, cap secured with vandal resistant set screws:                  ASI 3801-42P                  Bobrick B-6806.99x42</p>
GB3	<p>Grab Bar: Side "L"-shape grab bar, 760mm (30") long x 760mm (30") high 38mm (1-1/2") dia., stainless steel, slip resistant grip, concealed mounting, cap secured with vandal resistant set screws:                  ASI Type 04  <u>Bobrick B-6898.99</u></p>
GB4	<p><del>Grab Bar: Swing up operation, 740mm (29") long x 32mm (1-1/4") Ø, stainless steel, concealed mounting, cap secured with vandal resistant set screws:                  Bobrick B-4998</del></p>
GB5	<p><del>Urinal Grab Bar: Vertical 1.214mm (0.048") thickness; 305mm (12") long x 38mm (1-1/4") Ø, straight, stainless steel, slip resistant grip, concealed mounting, cap secured with vandal resistant set screws:                  ASI 3801-12P                  Bobrick B-6806.99x12</del></p>
RPTD	<p><del>Paper Towel Dispenser and Disposal: Surface mounted, handicap accessible, capable of holding 600 C-fold or 800 multi-fold or 1100 single-fold paper towels, with leak proof waste container:                  ASI 64676-9                  Bobrick B-380349                  Frost 400C</del></p>
MR1	<p>Mirror (Tilt): Framed, 915mm (36") high x 460mm (18") wide, fixed tilt installation for barrier free access, mounted 1000mm (40") to bottom of frame:                  ASI 0535-1836                  Bobrick B-293x1836</p>
MR2	<p>Mirror (Flat): Framed, 915mm (36") high x 460mm (18") wide, fixed installation, mounted 1000mm (40") to bottom of frame:                  ASI 0600-1836                  Bobrick B-290x1836  <u>Provide one mirror above each sink in Rooms 128, D041, D045, 119, 117.</u></p>



MR3	<p>Mirror (Flat) with Shelf: Framed, 915mm (36") high x 460mm (18") wide, fixed installation, mounted 1000mm (40") to bottom of frame:</p> <p>—— ASI —— 0600-1836</p> <p>—— Bobrick —— B-166x1836</p>
TPD	<p>Toilet Tissue Dispenser: Double roll, surface mounted, tissue dispenser with concealed mounting, stainless steel construction, bright polished finish with theft resistant spindles:</p> <p>—— ASI —— 7305-2B-R009</p> <p>—— Bobrick —— B-686-60</p>
TPD2	<p>Combination Toilet Tissue Dispenser, Sanitary Napkin Disposal, and Seat-Cover Dispenser: Surface mounted, concealed fastening, self-closing disposal opening with leak proof plastic receptacle; Toilet seat-cover disposal hold 500 paper covers, and double roll toilet tissue dispenser:</p> <p>—— Bobrick —— B-3579</p>
TSC	<p>Seat-Cover Dispenser: Surface-mounted toilet seat cover dispenser, concealed fastening, type 304, 20 gauge stainless steel, one-piece seamless construction. Capacity: 250 single fold paper covers:</p> <p>Bobrick B-4221</p>
SS-1	<p>Shelf: Surface mounted shelf, 405mm (16") long x 125mm (5") wide, 18 gauge, type 304 stainless steel, satin finish. 19mm (3/4") return front edge, hemmed:</p> <p>ASI 0692-516</p> <p>Bobrick B-295 x 16</p>
SD1	<p>Counter Mounted Soap Dispenser: All purpose valve, horizontal mounting stainless steel surface mounted dispenser, refillable from top with keyed lock cap, 1.18 L capacity with visible viewing window:</p> <p>—— ASI —— 0342</p> <p>—— Bobrick —— B-2112</p> <p>—— Frost —— 710A</p>
SD2	<p>Wall Mounted Soap Dispenser: Heavy-duty all-purpose valve, wall-mounted stainless steel soap dispenser, 1.2L capacity with visible viewing window:</p> <p>—— Bobrick —— B-818615</p>

<p>JS</p>	<p>Janitor's Shelf complete with Mop and Broom Holders and Hooks: 864mm (34") long x 330mm (13") high x 200mm (8") deep. Shelf constructed of minimum 18-8 stainless steel, type 304, 18 gauge. Utility hooks fabricated of 11 gauge stainless steel, and mop holders fabricated of cadmium plated steel. Pivoting, spring-loaded serrated rubber cam shall hold round handles of 22mm to 32mm (7/8" to 1-1/4") dia.</p> <p>ASI 1308-3 Bobrick B-239 x 34</p>
<p>HD</p>	<p><del>Hand Dryer: High speed hand dryer, surface mounted, touch free infra red activation. Motor: 208 V, 60 Hz.:</del></p> <p>— ASI — Roval Collection TRI-Umph High Speed Hand Dryer, Model 20200-2</p> <p>— Dyson — Airblade Hand Dryer</p>
<p>SHC</p>	<p>Shower Curtain: Opaque, matte white vinyl, 0.2mm (.008") thick, containing antibacterial and flame retardant agents. Complete with grommets every 150mm (6"), and hemmed top, bottom and sides.</p> <p>ASI 1200-V Bobrick — 204-2</p> <p><u>Decon 130: 1524mm (60")</u> <u>BF Shower D039 and Shower D040: 2134mm (84")</u></p>
<p>SHCH</p>	<p>Shower Curtain Hook: Fabricated of type 304 stainless steel alloy 18-8, solid formed wire 2.5mm (0.98") in diameter. Hook shall accommodate 25mm to 32mm (1" to 1-1/4") diameter curtain rods. <u>Provide number of hooks as required by shower curtain length.</u></p> <p>ASI 1200-SHU Bobrick — 204-1</p>
<p>SHCR</p>	<p>Shower Curtain Rod: Extra-heavy duty rod, 32mm (1-1/4") diameter fabricated of alloy 18-8 stainless steel, type 304, 18 gauge. Flanges fabricated from 20 gauge stainless steel. Satin Finish. Length: <u>As listed below:</u></p> <p>ASI 1204 Bobrick — B-6047</p> <p><u>Decon 130: 1220mm (48")</u> <u>BF Shower D039 and Shower D040: 1829mm (72")</u></p>
<p>SHSD</p>	<p>Shower Soap Dish: Type 304 stainless steel, matte polished finish. Mounting clamp for stud walls. Unit 7 3/16" W, 5" H (185 x 125mm). Rough Wall Opening: 6" W, 4" H, 4" min. depth (150 x 100 x 100mm).</p> <p>ASI 7404 Bobrick B-4380</p>

SHS	<p>Shower Seat: Constructed of durable, water-resistant, ivory colored, 5/16" (8mm) thick solid phenolic. Frame and mounting bracket are Type 304 stainless steel and self-locking mechanism. Supports up to 500 lbs (227 kg) when properly installed. Seat 22" (560mm) wide, projects 15 13/16" (400mm) from wall.</p> <p style="text-align: center;">                 ASI                      8203                  Bobrick                 B-5192             </p>
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**3.6 Washroom accessory schedule – supplied by the owner**

PTD	Paper Towel Dispenser: Supplied by Region’s vendor and installed by vendor.
TTD	Toilet Tissue Dispenser: Supplied by Region’s vendor and installed by vendor.
SD	Soap Dispenser: Supplied by Region’s vendor and installed by vendor.

**3.7 Washroom and custodial accessory - quantity and location schedule**

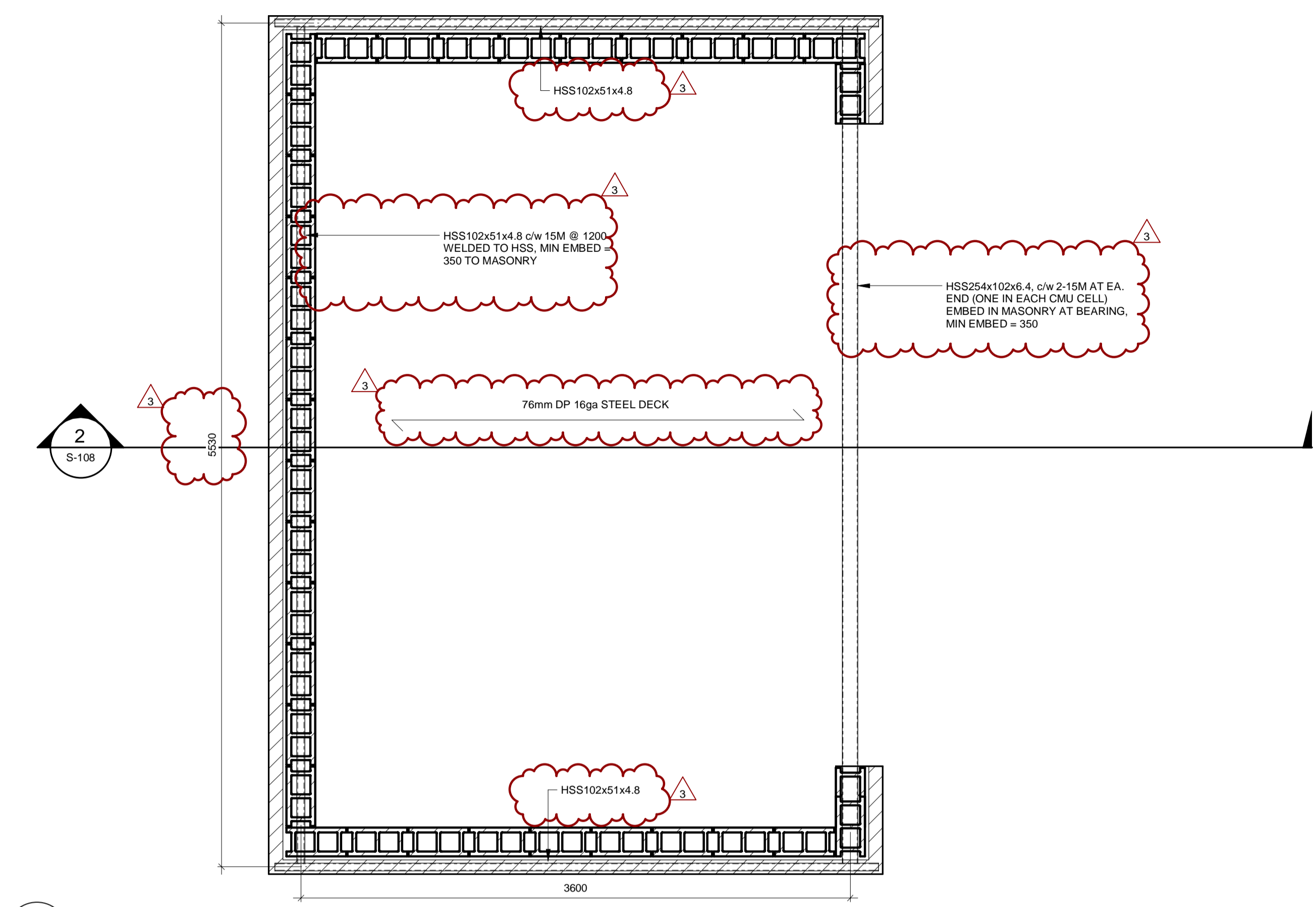
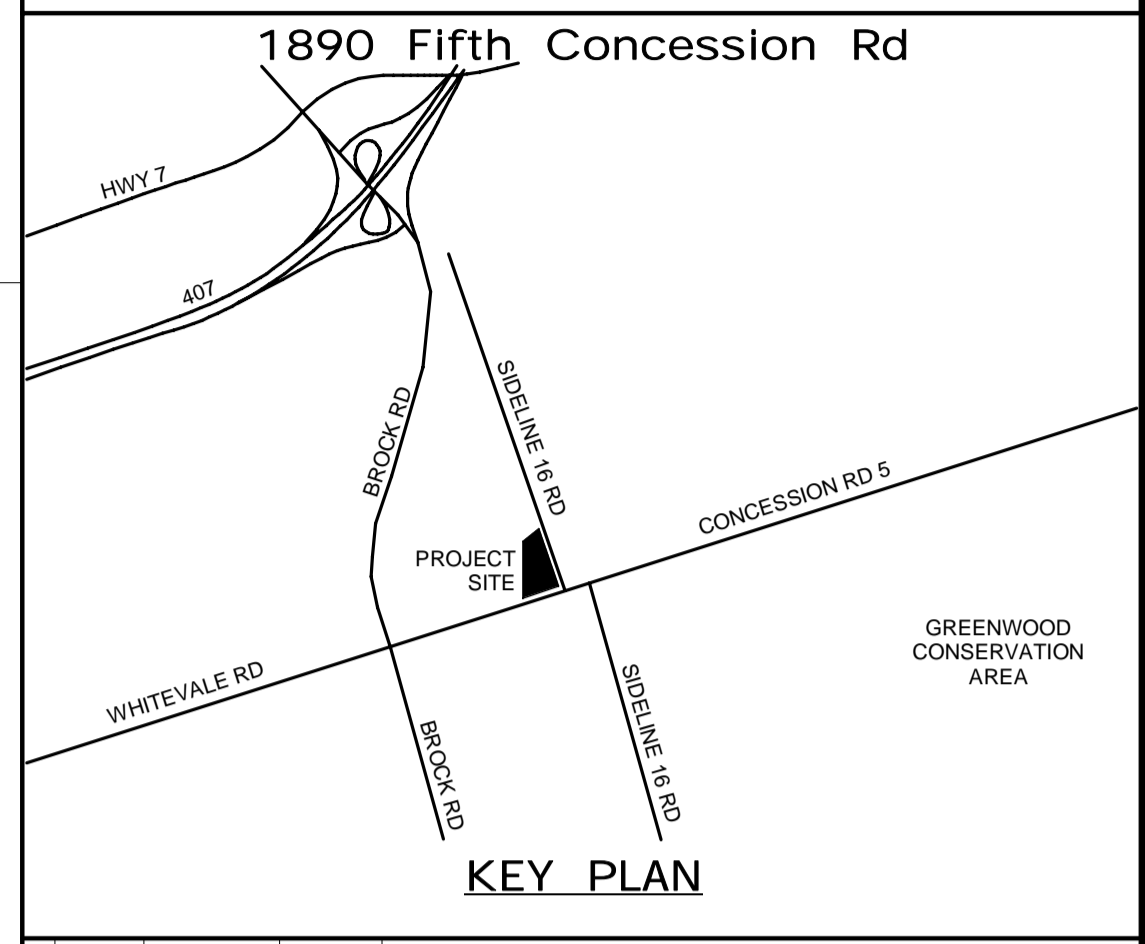
<u>ROOM</u>	<u>#</u>	<u>CH1</u>	<u>CH2</u>	<u>FNDU</u>	<u>FND</u>	<u>GB1</u>	<u>GB2</u>	<u>GB3</u>	<u>MR2</u>	<u>TSC</u>	<u>SS-1</u>	<u>JS</u>	<u>SHC</u>	<u>SHCH</u>	<u>SHCR</u>	<u>SHSD</u>	<u>SHS</u>
<u>Wash Area</u>	<u>133</u>										<u>2</u>	<u>2</u>					
<u>Decon</u>	<u>130</u>		<u>2</u>										<u>2</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>
<u>Gender Neutral W/R</u>	<u>128</u>								<u>4</u>								
<u>BF Shower</u>	<u>D039</u>		<u>1</u>			<u>1</u>	<u>1</u>	<u>1</u>					<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>
<u>Shower</u>	<u>D040</u>		<u>1</u>										<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
<u>Toilets</u>	<u>D041 to D045</u>		<u>5</u>						<u>2</u>	<u>5</u>							<u>5</u>
<u>UNI. W/R</u>	<u>119</u>		<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>							<u>1</u>
<u>Gender Neutral W/R</u>	<u>117</u>								<u>4</u>								
<u>BF Toilet</u>	<u>D024</u>	<u>1</u>				<u>1</u>		<u>1</u>		<u>1</u>							
<u>Toilets</u>	<u>D025 to D030</u>	<u>6</u>								<u>6</u>							
<u>Jan. Rm</u>	<u>120</u>											<u>2</u>					

End of section

NOTES:

- REFER TO S100, S101 FOR GENERAL STRUCTURAL NOTES
- DESIGN LOADS:  
 ROOF DEAD LOAD, D = 0.60 kPa  
 BASE SNOW LOAD, S = 1.20 kPa (PICKERING 1/50 YR)  
 WIND LOAD, q = 0.48 kPa (PICKERING 1/50 YR)
- WELD DECK TO SUPPORTING STEEL WITH 20mm DIA. PLUG WELDS AT 300mm O/C MAXIMUM, SIDES BUTT PUNCHES AT 600mm O/C MAXIMUM, MARGINAL WELDS AT 900mm MAXIMUM, OR EQUIVALENT ENGINEER APPROVED MECHANICAL FASTENING SYSTEM

ALL MEASUREMENTS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED BEFORE PROCEEDING WITH THE WORK. THE REGION OF DURHAM ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING SERVICES AS INDICATED ON THIS DRAWING. DO NOT SCALE DRAWINGS.



1 GARBAGE ENCLOSURE PLAN  
S-401 S-108 1 : 25

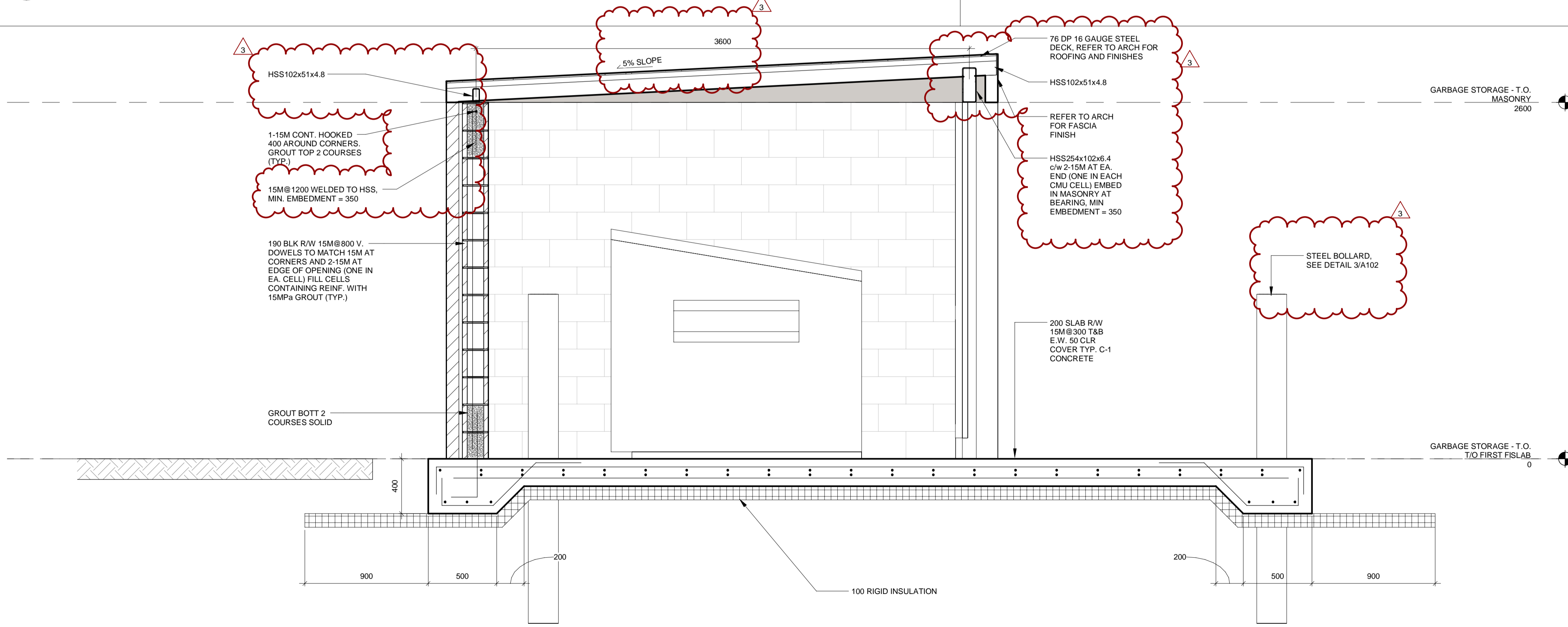
NO.	DATE	NAME	REVISIONS

PRIME CONSULTANT

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LICENSED PROFESSIONAL ENGINEER  
K.T.D. DUONG  
100055126  
Dec. 9/2021  
PROVINCE OF ONTARIO

SUB CONSULTANT



2 SECTION  
S-108 S-108 1 : 20

DESIGN BY: D.S.	SCALE: As Indicated
DRAWN BY: R.E.	DATE: 03/31/21
CHECKED BY: C.Y.	CONSULTANT PROJECT NO. 60611569
APPROVED BY: K.D.	CLIENT FILE No.: 811/20

NO	DATE	NAME	REVISIONS
3	12/09/21	ADDENDUM #3	
2	10/18/21	RESPONSE TO CITY COMMENTS	
1	09/22/21	ISSUED FOR TENDER	

THE REGIONAL MUNICIPALITY OF DURHAM  
WORKS DEPARTMENT  
DESIGN, CONSTRUCTION & ASSET MANAGEMENT

NEW PARAMEDICS STATION - SEATON  
DETAILS SHEET 7 OF 7

PROPERTY NO.	FACILITIES CODE	FACILITIES PROJECT NO. PO61- 18- 01
CONTRACT NO. T- 1160- 2021	DRAWING NO. S- 108	SHEET NO.

BIM 300/JBP-AMER (CAN) 60611569-SEATON RDP/S/60611569-SEATON RDP/S-S.rvt

### FOUNDATION PLAN - GENERAL NOTES

**NOTES:**

- TOP OF FOOTINGS ARE AT EL. -1200, UNLESS NOTED AS PER SYMBOL LEGEND.
- SCHEDULES AND LEGENDS IN REGARDS TO FOUNDATION PLANS ARE TO BE READ IN CONJUNCTION WITH SCHEDULES.
- ALL CONTINUOUS WALL STRIP FOOTINGS ARE TO BE CENTERED ON THE ASSOCIATED WALL, EXCEPT WHERE OTHERWISE DIMENSIONED.
- 'S.F.' DENOTES APPROXIMATE LOCATIONS OF STEP FOOTING. REFER TO TYPICAL DETAILS. CONTRACTOR TO LOCATE TO SUIT CONSTRUCTION CONDITIONS.
- ALL SPREAD FOOTINGS ARE TO BE CENTERED ON THE COLUMN GRID LINES, EXCEPT WHERE OTHERWISE DIMENSIONED.
- MECHANICAL SERVICES ARE SHOWN FOR REFERENCE AND INTERFACE WITH FOUNDATION ELEMENTS. FINAL LOCATION, SIZE AND COMPOSITION ARE TO BE COORDINATED WITH OTHER DISCIPLINES AS NOTED.

**LEGEND**

- SDF DENOTES APPROXIMATE LOCATION OF TYPICAL STEP DOWN FOOTING
- DENOTES APPROXIMATE LOCATION OF TYPICAL FOUNDATION CONTROL JOINT
- TOP OF FOOTING RELATIVE TO TOP OF FINISHED GROUND FLOOR CONCRETE SLAB
- TYPICAL 200mm DROP IN FOUNDATION WALL AT OPENING

### STRUCTURAL CONCRETE WALL SCHEDULE - PHASE 1

TYPE MARK	WALL WIDTH	USE	REINFORCING
CW-200	200	FOUNDATION	15M@300 V & H
CW-240	240	FOUNDATION	15M@400 V.E.F. + 10M@300 H.E.F.
CW-310	310	FOUNDATION	15M@400 V.E.F. + 10M@300 H.E.F.
CW-315	315	FOUNDATION	15M@400 V.E.F. + 10M@300 H.E.F.
CW-345	345	FOUNDATION	15M@400 V.E.F. + 10M@300 H.E.F.
CW-400	400	FOUNDATION	15M@400 V & H.E.F.
CW-430	430	FOUNDATION	15M@350 V & H.E.F.
CW-500	500	FOUNDATION	15M@350 V & H.E.F.
CW-650	650	FOUNDATION	15M@300 V & H.E.F.
CW-750	750	FOUNDATION	15M@300 V & H.E.F.

### STRUCTURAL PIER SCHEDULE - PHASE 1

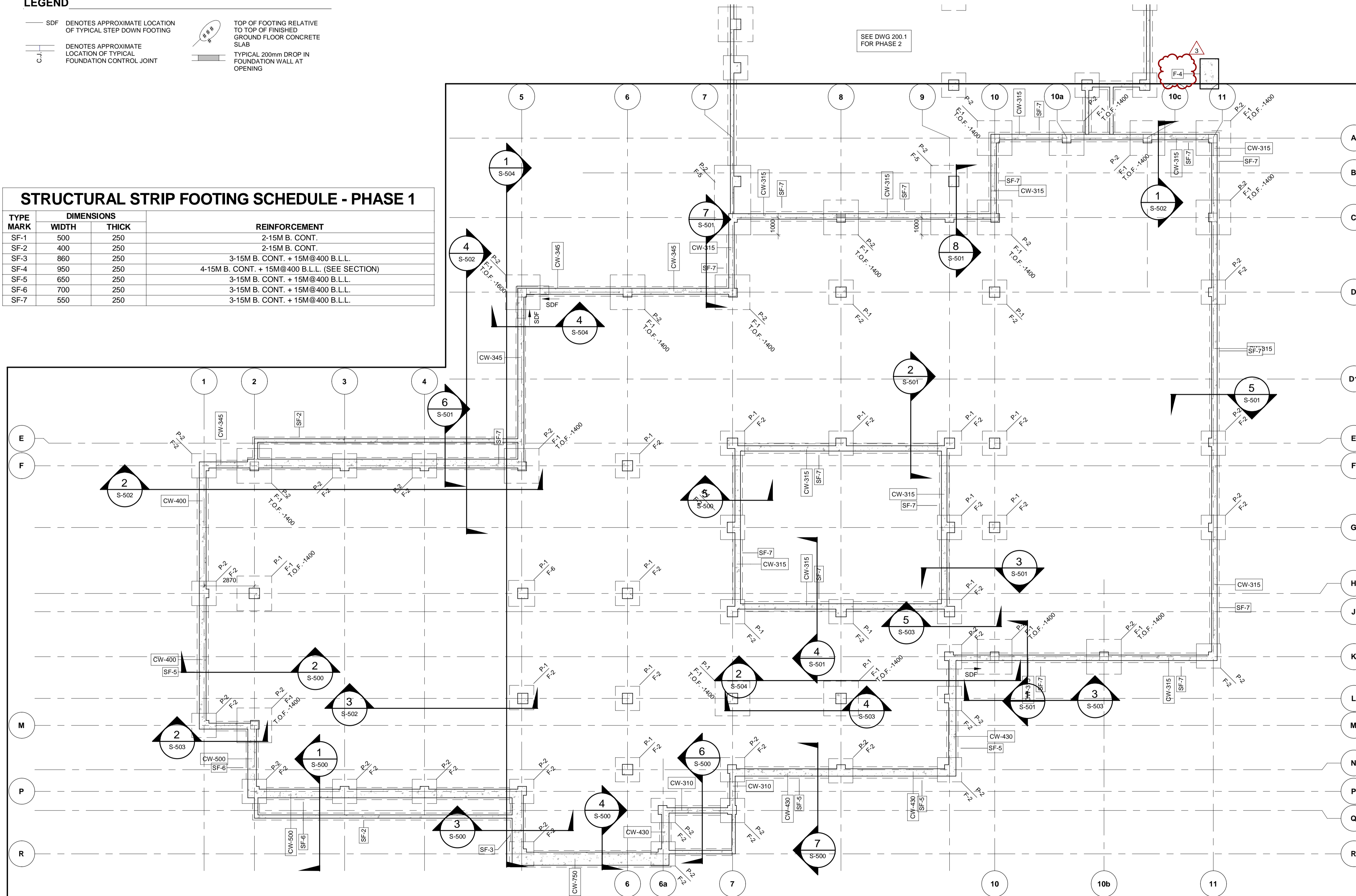
TYPE MARK	DIMENSIONS		REINFORCEMENT
	WIDTH	LENGTH	
P-1	600	600	8-20M VERT. W/ 10M TIES @ 300 o/c
P-2	500	500	8-20M VERT. W/ 10M TIES @ 300 o/c

### STRUCTURAL SPREAD FOOTING SCHEDULE - PHASE 1

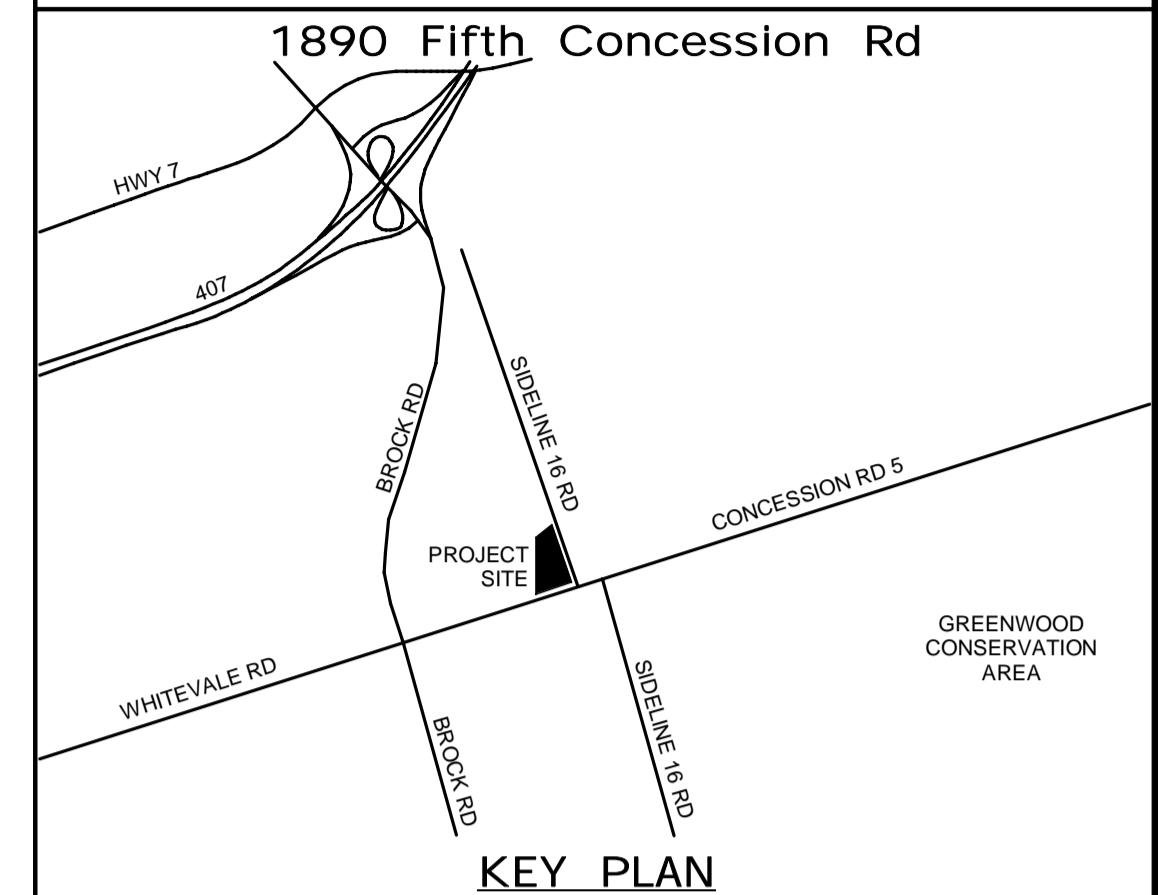
TYPE MARK	DIMENSIONS			REINFORCEMENT
	LENGTH	WIDTH	THICK	
F-1	2000	2000	350	8-15M B.E.W.
F-2	1400	1400	350	5-15M B.E.W.
F-4	1730	1065	1200	
F-5	4000	2100	400	8-20M T.U.L. + 15M@300 T.S.W.   8-20M B.U.L. + 20M@300 B.S.W.
F-6	1500	1500	350	5-15M B.E.W.

### STRUCTURAL STRIP FOOTING SCHEDULE - PHASE 1

TYPE MARK	DIMENSIONS		REINFORCEMENT
	WIDTH	THICK	
SF-1	500	250	2-15M B. CONT.
SF-2	400	250	2-15M B. CONT.
SF-3	860	250	3-15M B. CONT. + 15M@400 B.L.L.
SF-4	950	250	4-15M B. CONT. + 15M@400 B.L.L. (SEE SECTION)
SF-5	650	250	3-15M B. CONT. + 15M@400 B.L.L.
SF-6	700	250	3-15M B. CONT. + 15M@400 B.L.L.
SF-7	550	250	3-15M B. CONT. + 15M@400 B.L.L.



ALL MEASUREMENTS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE AND ANY DISCREPANCIES ARE TO BE REPORTED BEFORE PROCEEDING WITH THE WORK. THE REGION OF DURHAM ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING SERVICES AS INDICATED ON THIS DRAWING. DO NOT SCALE DRAWINGS.



NO.	DATE	NAME	REVISIONS

**PRIME CONSULTANT**

**AECOM**

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**LICENSED PROFESSIONAL ENGINEER**  
K.T.D. DUONG  
100055126  
Dec. 9/2021  
PROVINCE OF ONTARIO

**SUB CONSULTANT**

DESIGN BY: D.S.	SCALE: As Indicated
DRAWN BY: R.E.	DATE: 03/31/21
CHECKED BY: C.Y.	CONSULTANT PROJECT NO. 60611569
APPROVED BY: K.D.	CLIENT FILE No.: 811/20

NO	DATE	NAME	REVISIONS
3	12/09/21		ADDENDUM #3
2	10/18/21		RESPONSE TO CITY COMMENTS
1	09/22/21		ISSUED FOR TENDER

**CONTRACT REVISIONS**

NO	DATE	NAME	REVISIONS

**DURHAM REGION**

**THE REGIONAL MUNICIPALITY OF DURHAM**

WORKS DEPARTMENT  
DESIGN, CONSTRUCTION & ASSET MANAGEMENT

## NEW PARAMEDICS STATION - SEATON

### FOUNDATION PLAN

PROPERTY NO.	FACILITIES CODE	FACILITIES PROJECT NO. PO61- 18- 01
CONTRACT NO. T- 1160- 2021	DRAWING NO. S- 200	SHEET NO.

BIM 300/JBP-AMER (CAN) 60611569-SEATON RDP/S/60611569-SEATON RDP/S-S.rvt