



# PERCON

## CONSTRUCTION INC.

Leaders in I.C.I. Building [www.perconconstruction.com](http://www.perconconstruction.com)

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### SITE MEETING MINUTES No. 18

**Meeting Location:** 43 Millwood Road, Toronto, Ontario

**Project:** Davisville JPS Replacement – PERMIT # 18-169179

**Meeting Date:** November 20 2019

**Minutes Issue Date:** November 25, 2019

**Meeting Time:** 1:00pm

**Minutes Prepared By:** Nick S

**Average Temp:** +/- 10°C cloudy

**Pages:** 07 pages including this page

These minutes are assumed to be complete and a correct account of the items discussed, directions given and conclusions drawn unless this office is notified in writing to the contrary prior to the next site meeting or 5 business days.

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X				

**2 TO 4 WEEK LOOK AHEAD**

**Project:** Davisville JPS Replacement  
**Address:** 43 Millwood Road, Toronto, Ontario  
**Contractor:** Percon Construction Inc.  
**Owner:** Toronto District School Board  
**Architect:** Snyder Architects

Schedule	nov					dec					dec					dec						
	week of 25th					week of 2nd					week of 9th					week of 16th						
#	item / description	M	TU	W	TH	F	M	TU	W	TH	F	M	TU	W	TH	F	M	TU	W	TH	F	
1																						
2	Excavation	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3	Footing	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	Shoring - (returned oct-23-19)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
5	Removing debris off site - in process	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
6	contaminated soil removal off site - in process	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
7	waterproofing - in process	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
8	solid pipe waterproofing install at shoring 'blind side' - done upto grid 16, will resume when shoring complete																					
9	inside foundation weeping tile - tbd until shoring done																					
10	exterior fdn weeping tile - in process	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
11																						
12	parking lot area - suspended slab - done upto grid 11.5, will resume when shoring work completed																x	x	x	x	x	x
13	masonry work	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	structural steel	x	x	x	x	x																
	pre-cast slab - 2nd flr			x	x	x																

**Progress as of this meeting:**

site grading work = 5%  
 site services = 0%

backfilling = 65%  
 footings (excavate + form + rebar + concrete) = 75%  
 fdn walls (excavate+ form + rebar + concrete) = 75%  
 mech underground (int + ext) = 55%  
 elect underground (int + ext) = 55%  
 telephone/data ductbank = 0%  
 electrical ductbank = 0%  
 masonry walls 1st floor (LB) = 65%  
 masonry walls 1st floor (NLB) = 0%  
 masonry walls 2nd floor (LB) = 0%  
 masonry walls 2nd floor (NLB) = 0%  
 mech + elect + sprink rough in (1st) = 0%  
 mech + elect + sprink rough in (2nd) = 0%  
 structural steel (bearing plate + columns + beams + OWSJ + deck) = 65%  
 precast slab = 0%  
 S.O.G (stone + concrete) = 65%  
 topping work = 0%  
 windows (alum + curtain wall + glass) = 0%  
 HM Door Frame install = 10% - (note: all 1st flr frames on site)  
 HM Door install = 0%  
 painting (1st + 2nd) = 0%  
 flooring (1st + 2nd) = 0%  
 ceilings (1st + 2nd) = 0%  
 millwork (1st + 2nd) = 0%  
 Wood Door install = 0%  
 Wood Door Frame install = 0%  
 mech + elect + sprink finishes (1st) = 10%  
 mech + elect + sprink finishes (2nd) = 0%

concrete curbs = 0%  
 concrete surfaces (sidewalks + pads) = 0%  
 asphalt (subbase + base + top) = 0%  
 brick veneer = 0%  
 fencing = 0%  
 final grading = 0%  
 planting = 0%  
 sod = 0%

<b>GENERAL OVERVIEW (NEW ITEMS IN BOLD)</b>	
<p>As of this meeting we are at: <b>CD# 04</b>  As of this meeting we are at: <b>PC# 25</b>  As of this meeting we are at: <b>SI# 66</b>  As of this meeting we are at: <b>RFI# 101 - Unanswered 101</b>  As of this meeting we are at: <b>CO# 36 – with owner: 1, 6, 13, 14, 30, 31, 32, 33, 34, 36,</b>  As of this meeting lost days due to weather are: <b>18 – not linear days</b>  As of this meeting the weather is: <b>+5 °C +-</b></p>	
<b>OUTSTANDING REQUEST FOR INFORMATION (RFI) (NEW ITEMS IN BOLD)</b>	<b>ACTION BY</b>
<b>Refer to the attached RFI Log regarding status</b>	
<b>SHOP DRAWING SUBMISSION STATUS (NEW ITEMS IN BOLD)</b>	<b>ACTION BY</b>
<b>Refer to the attached Shop Drawing Log regarding status</b>	
<b>CASH ALLOWANCE ITEMS – DIVISION 01 21 00, ITEM 1.1.4</b>	<b>ACTION BY</b>
1 – Supply and install of interior and exterior signage (excluding traffic signage). <b>In design stage (mtg 4) on going (mtg 5)</b>	<b>Board Snyder</b>
2 – <b>Toronto Hydro service connection charges.</b> SI from Snyder to be issued. (mtg 3) EW-e note Shaheed sent an email (apr-29-19) to owner noting budget cost of \$92k. Owner note to issue instruction to pay \$92k cheque for hydro work via cash allowance. Snyder to issue instruction (mtg 4) board and snyder to discuss, before instruction issued engage T.O hydro, and to pay via cash allowance (mtg 5) EW-e to speak to Sal to sort out so that payments can be issued (mtg 6) Board & EW-E have spoken, but need to speak again. As percon wants the primary and secondary installed this year, along with a power shack for site power usage until the building is ready (mtg 7) as discussed cec to speak to Toronto hydro if allowed to have a power shack on site (mtg 8) T.O will not allow a power shack, must have temp pwr pole until site is ready (mtg 10) <b>as discussed march 2020 (or sooner) the exterior service work needs to be started and completed in preparation for Toronto hydro (mtg 17)</b>	noted
3 – <b>Natural gas utility company charges for new gas connection.</b> Site Instruction from <del>EWE</del> to be issued. (mtg 3) EW-M to look into natural gas <b>offer to connect</b> , with Enbridge, and obtain a budget cost to be presented to the owner, so that a formal instruction can be issued to pay for the service via cash allowance (mtg 4) on going issue EW-M to contact board directly if there is an issue (mtg 5) (mtg 6) EW-M is noting as per spec that it is the mechanical contractor has to make the call to Enbridge in regards to set up (mtg 7) (mtg 10) (mtg 12+13) board to fill application owner section. EW-M has filled intechinical portion already (mtg 14) application filled and sent to enbridge. Board to verify if payment was made by board. Percon to contact enbridge on a date of install (mtg 15)	noted
4 – <b>Fire alarm monitoring panel</b> (Owner to Provide and program the FA monitoring panel). As discussed owner to provide secondary FA 'red box' when site is ready to receive. EW-e to clarify exactly the scope of work (mtg 4) (TDSB to supply and program the F.A. monitoring panel). EWE to issue installation/connection when site is ready. (mtg 5)	noted
5 – <b>LAN connection</b> (TDSB to make final connection to LAN wiring at outlets and inside HUB Room). Owner to perform final terminations at outlets when site is ready. Wire & outlet provided via contract. EW-e to clarify exactly the scope of work (mtg 4) TDSB to make final connection of the Data wiring at the outlets and at the patch panels (mtg 5)	noted
6 – <b>Outgoing telephone system switch</b> (Owner to Provide and program the standalone telephone switch). Owner to provide switch and program when site is ready. Wire provided via contract. EW-e to clarify exactly the scope of work (mtg 4) TDSB to supply and program the standalone Telephone switch (mtg 5)	noted
7 – <b>Outgoing telephone system connection</b> (Owner to make final connection of outgoing telephone wiring at outlets and at telephone backboard) from demarcation point to room outlets final connections. Owner to make final connections when site is ready. EW-e to clarify exactly the scope of work (mtg 4) TDSB to make final connection of the outgoing phone wiring at the outlets and at the telephone backboard/Bixs panel (mtg 5)	noted
8 – <b>Telephone company's incoming service connection charges</b> (up to main telephone terminal), up to main demarcation point. EW-e to clarify exactly the scope of work (mtg 4) EW-e has clarified that this is the main Telephone	noted

incoming service to main telephone terminal (mtg 5)	
9 – <b>Cable TV incoming service connection charges</b> (to main Electrical Room). EW-e to clarify exactly the scope of work (mtg 4) EW-e has clarified that this is the Cable TV incoming service to main electrical room (mtg 5)	noted
10 – <b>Security system</b> (Owner to make final connection of the security wiring at the control panel (only) and to program the control panel itself) EW-e to clarify exactly the scope of work (mtg 4) TDSB to make final connection of the security wiring at the control panel (only) and to program the panel itself (mtg 5)	noted
11 – <b>Supply and install of the Lighting / HVAC controls in Gym area</b> (Provide relays, contactors, pushbuttons, BAS control points, and associated conduits / wires to Control lighting / HVAC unit in triple gym to suit board requirements) Site instruction from EWE to be issued. (mtg 3) with owner to confirm if required (mtg 4) ew-e has clarified that this is to Provide relays, contactors, pushbuttons, BAS control points and associated conduits/wires to Control lighting/HVAC unit in Gym area to suit board requirements. Board to confirm if required. Board has confirmed this is not required anymore (mtg 5)	noted
12 – <b>Municipal charges for new water, storm, and sanitary service connections and disconnection of existing services</b> Not a contractor's scope of work, Board and Snyder to handle directly (mtg 2) as discussed the pipe capping is done on millwood. Davisville requires locates by T.O water before capping work. quote from T.O Water for new water connections needed. (mtg 4) as discussed all capping work is completed. Municipal services permit application submitted, waiting on T.O (mtg 6)	noted
13 – Supply and install of a Parking garage traffic access control system. In design stage (mtg 4) on going (mtg 5) si# 16r1, issued. board to re-confirm with snyder (avi) that all information has been received, understood, and sent to percon (mtg 17) <b>pkg gate equipment should be okay as per instruction. Board to check internally one last time (mtg 18)</b>	<b>board</b>
14 – <b>Testing and inspection SI#06</b> has been issued. (mtg 2) HLV2K = soils, environmental, soil bearing capacity, compaction, footing and foundation reinforcing, concrete compressive strength test, CMU compressive test, masonry structural grout and mortar, up-fill, asphalt marshall test, inspection & testing services ZEC = roofing, building envelope including window test(s), transition membrane, cavity wall insulation & fire proofing BUTLER = structural steel inspections above grade FINISH HARDWARE = inspection by AHC FLOOR TILE = TTMAC inspection deemed not required PAINTING = OPCA inspection deemed not required <b>COMMISSIONING = board to choose</b> MILLWORK = AWMAC (mtg 4) <b>commissioning agent to be chosen still</b> (mtg 5) (mtg 7) (mtg 10) (mtg 14) (mtg 15) <b>tender by board to close next week</b> (mtg 17) (mtg 18)	<b>Noted, Board</b>
15 – Preparation of a fire safety plan. By board at later date. Board needs set of dwgs from snyder (mtg 4) dwgs provided with board to prepare (mtg 5)	noted
16 – Unforeseen and concealed conditions. on going (mtg 4)	noted
17 - Supply and install of the artificial turf surfacing. (Base bid to include sub- base and sub-drainage shown on landscape dwgs) as per Add#03 (mtg 4) under review (mtg 5) board and Snyder to review if artificial turf is required or not (mtg 6) Snyder has reviewed alternates, but they are sub-standard. Board notes to hold for now, as the board has a standard product to use and will pass on the info to Snyder (mtg 7) board noted this system will be possibly deleted. Board still reviewing (mtg 8) to clarify it is reinforced sod, not artificial turf. Board and Snyder still reviewing (mtg 10) board noted it will be artificial turf (mtg 12+13) (mtg 14)	noted
<b>SAFETY ITEMS (NEW ITEMS IN BOLD)</b>	<b>ACTION BY</b>
<b>Consultants to provide their own safety harnesses</b>	noted
<b>Trades to provide all safety ppwrk to site and percon office before starting on site</b>	<b>All sub-trades</b>
<b>All visitors on site to Sign-In with the Site Super and be properly equipped with PPE.</b>	<b>All</b>

All individuals, including sub-trades' sub-trades, should obey and respect the safety policy at all times when they are on site.	All
Visitors to be careful when walking in the site, due to open excavation and exposed rebar	All
Visitors to be careful when walking in the site, due to slippery conditions due to mud, ice and snow	All
<b>OLD MEETING ITEMS --- (NEW ITEMS IN BOLD) --- *** = post mtg notes --- PCM = pre-construction mtg</b>	<b>ACTION BY</b>
2.9 – <b>Commissioning agent to be chosen</b> , board and Snyder to review. (mtg 2) Related to SI# 6. On going. as discussed specs note commissioning agent to be notified when excavation started, which already has started (mtg 4) on going, with board (mtg 5) (mtg 6) (mtg 7) (mtg 8) (mtg 9) (mtg 10) (mtg 11) board down to 2 candidates (mtg 12+13) (mtg 14) on going. Percon note agent should be chosen soon, as underground items have been closed in, or are in process of being closed in. as well as commissioning ppwrk and set up meeting needs to be set-up and coordinated with the trades (mtg 15) board to issue tender by end of the week (mtg 16) <b>board to close tender next week</b> (mtg 17) <b>(mtg 18)</b>	<b>Board</b>
3.0 – Board has asked for Snyder to review and confirm site plan approval and if there is any impact on the building permit. (mtg 3) Snyder note the SPA review is holding up the issuance of the final bldg. permit. Snyder note it is at the signature level. As noted Current permit is for fdn to roof, and includes civil work. When full permit is ready Percon will print at a cost (mtg 4) board has reviewed and signed the SPA, and sent it back to the city. It is with the city now for final signing and issuance. Snyder to follow up (mtg 5) as discussed the city has signed it, waiting for copy / ppwrk (mtg 6) (mtg 7) on going. city needs more documents from the board before processing (mtg 8) (mtg 9) (mtg 10) as discussed 68 davisville report from HLV2K is required to finalize the SPA permit (mtg 11) report now rec'vd. Board to perform final reviews and signatures before city can issue final permit (mtg 12 + 13) should have final permit in 2 weeks, board has submitted all ppwrk to the city now (mtg 14) as noted sprinkler permit ppwrk submitted also. Should have final permit in 2 weeks +- (mtg 15) percon to follow up with general sprinkler on status (mtg 16) <b>sprinkler comments from the city received. General sprinkler has addressed and responded back to the city.</b> (mtg 17) <b>percon to follow up with general sprinkler and confirm</b> (mtg 18)	<b>General sprinkler</b>
<b>4.08 – regarding CD# 2 – contaminated + debris soil.</b> As discussed: - HLV2K to count trucks - there will be weight tickets - HLV2K to have people at dumping site also. Percon to forward the address (mtg 4)  Address forwarded. HIV2K needs the weigh tickets still. Percon to follow up with Rockwell siteworks (mtg 5) Additional contaminated soil found at the millwood road entrance area (mtg 6)  Rockwell siteworks note they have received approval from GFL dumpsite to start transporting material off site (mtg 7) rockwell notes quotations will be submitted this week for completed to date (mtg 8) Percon has submitted the costs for soil removal to date, with additional soil removal costs expected later on, until all contaminated soil is removed from site (mtg 9) as discussed the site is encountering more contaminated soil. Areas are being documented and reported by HLV2k, as per previous process (mtg 10) on going, excavation is upto grid 18 only still (mtg 11) <b>As discussed, there are some new areas found which have brick/rubble in landscape areas</b> (mtg 12 + 13) <b>on going</b> (mtg 14) (mtg 15) (mtg 16) (mtg 17) <b>(mtg 18)</b>	<b>noted</b>
6.10 – as discussed regarding durolawn supplier of re-enforced sod product. As discussed durolawn wants to be paid 100% up front to hold pricing until time of install. As discussed percon note durolawn is single sourced. Board does not agree, and wants Snyder to find 2 other companies who can provide the product (mtg 6) Snyder has reviewed alternates, but they are sub-standard. Board notes to hold for now, as the board has a standard product to use and will pass on the info to Snyder (mtg 7) to clarify the work is for re-enforced sod. Board notes the reinforced sod has never worked, and maybe deleted altogether. Board wants Snyder to propose an alternate method, or just put sod. Percon also note if the product is staying, the supplier wants to be paid up front 50% (mtg 8) PMA landscaping speaking with board on appropriate product to use. Issue still under review (mtg 9) (mtg 10) as discussed there will be no re-enforced sod, it will just be sod, Snyder to issue instruction (mtg 11) as discussed, the board noted this will now be artificial turf. Snyder to issue formal instruction (mtg 11+12) as discussed an instruction to be issued for artificial turf for all areas that had structured grass (mtg 14) before snyder can issue the instructions, they need the board to agree on what to do and where	<b>Snyder, board</b>

<p>before the issue can be moved forward, to avoid any confusion (mtg 15) <b>snyder noted it will be 'blue grass' on the roof. Snyder still needs response on email sent to board that has a few questions. Board still to finalize (mtg 16) on going (mtg 17) (mtg 18)</b></p>	
<p>10.1 - Percon note shoring sub-trade has noted they will return sometime between aug-19 and aug-30 (mtg 10) trade has noted it will be week of sept-9<sup>th</sup> hopefully (mtg 11) as discussed the trade has notified percon due to current commitments, they expect to be back on site between sept-30 to oct-4 (mtg 12+13) percon has been informed the trade should return on oct-7-19 (mtg 14)  as discussed:  - trade is expected to return to site on the 17<sup>th</sup>  - trade is currently on a project, and needs to complete, before trade can apply for the Toronto permit to transport large equipment on the roads  - trade has noted this will be the 3rd time to mobilize on site, when the scope of work was to mobilize once  - issue surrounding the 68 davisville property have caused additional mobilizations  - approx. 1 month has been lost  (mtg 15)  Shoring trade has mobilized today oct-24-19, and is in the process of drilling the piles (mtg 16) drilling work is completed. Lagging work in process (mtg 17) <b>test tie back work starting this week (mtg 18)</b></p>	<p><b>noted</b></p>
<p>10.4 – percon has received the cost from Toronto <del>hydro</del> <b>water</b> for the street connection work as \$229,905.08. board and Snyder to review and issue appropriate ppwrk so that Toronto <del>hydro</del> <b>water</b> can get forces organized. Percon would like to perform the street connection work in September (mtg 10) on going with board (mtg 11) board noted they are in the process of getting the cheque prepared and then will issue to T.O water (mtg 12 + 13) board has issued the cheque. Percon has a co-ordination mtg scheduled with the T.O contractor on oct-4-19 (mtg 14) as per meeting to contractor noted they are in process of getting locates and is expected to start by nov-1<sup>st</sup> hopefully, percon to follow up with the trade (mtg 15) percon cannot get a response from the city's sub-trade. Percon to follow up with the city. Percon needs the work completed before the winter / frost (mtg 16) percon to follow up with city's sub-trade. Board notes to take photos, to monitor the work and maintain a record if neighbors complain (mtg 17)  *** as per discussion the sub-trade will be on site the 14<sup>th</sup>  <b>As discussed the city's trade is now on site. The city's trade has started with work along millwood road (mtg 18)</b></p>	<p><b>noted</b></p>
<p>11.01 – percon notes the forming contractor, and the shoring contractor have been affected by the 68 davisville issues, and related CD# 4 instruction. Both trades have gone as far as possible but had to demobilize from site (mtg 11) as discussed shoring trade is still demobilized. Forming trade has returned to form the suspended slab. Forming trade is quickly running out of work and may need to demobilize again, until shoring work is completed (mtg 12+13)  As discussed,:  - forming trade did demobilize then returned, then had to demobilized again as work was available to him due to the easement issues  - shoring trade expected to return oct-7-19  - shoring work is approx. 4wks +- from shoring re-start given tieback work, testing, etc, if no issues encountered  - after shoring completed excavation work can continue  - after excavation work completed forming work can continue  - site will be in winter conditions for forming and pouring the remaining foundation walls  - site will experience additional winter protection costs, and costs to deal with snow, frost and slushy material  (mtg 14)  As discussed, shoring trade expected on oct-17<sup>th</sup>  (mtg 15) shoring trade has re-mobilized today (oct-23-19) (mtg 16) drilling completed, lagging work in process (mtg 17)  <b>test tie back work starting this week (mtg 18)</b></p>	<p><b>noted</b></p>
<p>11.02 – percon note the skyline product for the roof railing system will not work with the project design, and has to be changed. Snyder note that there is a misc metal roof railing detail. Percon note they will further review but believe it is the same detail throughout (mtg 11) under review still (mtg 12 +13) (mtg 14) RFI# 84 issued (mtg 15) still being reviewed. Percon note specifications clearly note the roof railing system which was carried at time of bid. Snyder note there are clear misc metal roof railing details. Snyder to further review and provide direction (mtg 16) <b>still in dispute, percon to respond formally (mtg 17) (mtg 18)</b></p>	<p><b>Percon</b></p>
<p>12.02 – as discussed in regard to RFI# 69 regarding embedded tactile plate in the parking lot sidewalk ramp. The answer was issued after the pour was completed. Snyder to review if plate is required, if required it will then have to be cut in or a</p>	<p><b>percon</b></p>

<p>surface mounted tactile plate installed (mtg 12+13) Snyder to review if actually needed at all areas. If required in parking garage, then it would have to be surface mounted at this point (mtg 14) as discussed PC to be issued for the tactile plates (mtg 15) <b>percon to provide info to snyder on surface applied tactile plates that is being used on current percon project</b> (mtg 16) (mtg 17) (mtg 18)</p>	
<p>12.03 – Snyder needs the board to confirm the location of the scoreboard (mtg 12+13) (mtg 14) (mtg 15) board notes the system will be wireless. The only item needed is a receptacle, which was provided under SI# 45. Board to provide info to snyder still (mtg 16) snyder and board to discuss the type of scoreboard today after the mtg. location of the scoreboard to also be confirmed. Instruction to be sent. As noted scoreboard cannot be located where there is soundblock. (mtg 17) <b>snyder noted that the scoreboard can be mounted on the sound block. SI# 45r1 was issued (mtg 18)</b></p>	noted
<p>15.2 – RFI# 79 regarding camber. As discussed camber as per rfi is approx.. 1.5 inch. Topping to be placed as per contract. It is accepted/known that the topping will be thinner at the apex of the camber and be thicker at the sides, but the coverage will still be okay, given the camber. Stephenson's noted to install walls then topping. Percon note if time and weather allow, they will pour the topping first as it provides a uniform finish, this was in agreement with all. Formal response to rfi still to be issued (mtg 15) <b>as discussed when the slabs arrive shots will be taken of the camber to see how good / bad it is</b> (mtg 16) (mtg 17) (mtg 18)</p>	noted
<p>15.4 – as discussed, the topsoil pile needs to be relocated to allow the new site service line work to be installed at the NE corner of the site. As noted the top soil placement currently is due to budget demolition taking longer to complete the work, otherwise the topsoil pile would have been moved to the NW corner. Percon to speak to rockwell on quote o relocate the topsoil pile (mtg 15) (mtg 16)  *** quote submitted  As discussed the quote is in dispute. Percon notes project history dictated where the topsoil pile was placed. Percon to provide additional information on the history on why the topsoil pile was placed where it is (mtg 17) <b>CO# 31 issued, awaiting board signature (mtg 18)</b>  *** as per verbal discussion with board quote is approved, ppwrk to follow</p>	Noted
<p>16.01 – board noted they want the tectum panels in the gymnasium <del>deleted</del> modified, due to damage, based on previous projects. Snyder to review (mtg 16) snyder and board to further discuss (mtg 17) <b>board and snyder noted there will be no changes, tectum will stay as per design (mtg 18)</b></p>	noted
<p>16.06 – board noted they want to review the approved millwork shop dwgs to check if there are any issues, to avoid past project issues. review to be done by the 25<sup>th</sup> (mtg 16) <b>board still reviewing (mtg 17) (mtg 18)</b></p>	board
<p>17.01 – percon note to date the roofing sub-trade has not been established. Percon note pollard roofing has submitted all shop dwgs to date but they are still not allowed to perform work on the site, due to board policies. Board has noted there have been internal changes, and the at the issue needs to be further discussed. <b>Board to review internally and get back to the team</b> (mtg 17) <b>on going (mtg 18)</b></p>	Board / snyder / percon
<p>17.02 – snyder and board to review changing lockets in storage closets to standard locksets in addition to teacher closet locksets (mtg 17) <b>board still reviewing options (mtg 18)</b></p>	Snyder / board
<p>17.03 – percon needs the outstanding quotes resolved and co's issued. Some co's have been processed on site, several others remain. (mtg 17)  <b>As of these minutes:</b>  <b>11 changes with subs for pricing</b>  <b>9 changes under review</b>  <b>10 changes with board for signing</b>  <b>(mtg 18)</b></p>	noted
<p>17.04 – board and snyder to review and finalize the color schedule (mtg 17) <b>on going (mtg 18)</b></p>	Board / snyder
<p>17.05 – percon note the temp pathway created at the north end of the site, leading into the parking garage, is now allowing mud washing from the pathway into the parking garage, which is causing a major issue, which must be cleaned up  (mtg 17) (mtg 18)</p>	noted
<p>17.06 – as noted winter handling charges for concrete take into affect starting nov-1<sup>st</sup>. this will be a factor when completing the remaining concrete forming work (mtg 17)</p>	noted

17.07 – snyder noted HM frames not following detail as per 6mm masonry wall projection as per detail 8 on A616. All future HM installs must adhere to the detail. Percon to speak to the mason (mtg 17) <b>masonry trade is aware, they will correct. Mason notes 150mm (6 inch) walls maybe an issue. Snyder notes enough of an offset is needed so that it is not flush, to allow a caulk joint (mtg 18)</b>	JVH, noted
<b>NEW MEETING ITEMS</b>	<b>ACTION BY</b>
18.1 - 68 davisville owner got their own surveyor to perform a check / review, due to the concerns that the shoring tie-backs will go through / damage the footing and/or foundation wall. Report from owner is supposed to be this week. board to follow up. As discussed a confirmation of foundation depth hole, may have to be dug also, but board to notify if needed (mtg 18)	board
18.2 – as per snyder email doors #124 and #130 are on hold due to elevator shaft size change under SI# 5. Snyder to further review and provide instruction (mtg 18)	snyder
18.3 – as per email and discussion. Floor gym floor sockets are to accommodate the post size for school board equipment. Board noted that gym equipment posts are 1-7/8 inch. This will apply for volleyball and badminton sport posts (mtg 18)	Forum, board, snyder, noted
18.4 – board noted any previous badminton and volleyball sport posts have been removed and sent away, and are not expected to return. As discussed the specifications do not ask for new volleyball and badminton sport posts, therefore new posts would need to be supplied by the board, through or outside of the contract (mtg 18)	Board, snyder
18.5 – as discussed gameline dwg and dimensions to be re-confirmed between the board and snyder to make sure they meet regulation sizes (mtg 18)	Board, snyder
18.6 – board notes they would like all doors to be the same consistent material, not switching from wood, to metal or aluminum. Issue generated from previous project and operation facility people comments. Snyder to re-review for any inconsistencies, and discuss with board (mtg 18)	Snyder, board
18.7 – percon to update the project schedule (mtg 18)	percon

**NEXT MEETING: Wednesday December 05, 2019 @ 1:00 p.m. – in percon site trailer**

**DISTRIBUTION: All present + all in action column**

The preceding is assumed to be a complete and correct account of the items discussed, directions given and conclusions drawn, unless this office is notified in writing to the contrary prior to next site meeting or within 5 business days.



**Davisville JPS Replacement  
Site Instructions**

SI	Work Description	Status	SI RCVD	SI SENT	Costs for SI	Comments
1	Schedules for the reinforced slabs, SSI#01	with subs	Mar-19-19	Mar-19-19		
2	roof low point, scupper, ramp	with subs	Mar-21-19	Mar-21-19		
3	Easement Clarification	with subs	Mar-21-19	Mar-21-19		
4	Dewatering Package	with subs	Mar-27-19	April-12-19		
5	elevator/shaft size	with subs	April-10-19	April-10-19		To be distribute to all Trades related to elevator
6	Inspection and Testing	with subs	April-10-19	April-12-19		
7	Elec. Clarification	with subs	April-24-19	April-24-19		To be distribute to all Trades related to elevator
8	Response to RFI#12-MSQ#3	with subs	May-06-19	May-06-19		
9	elevator shaft size adjustment - mech (SI#M1)	with subs	may-7-19	may-7-19		
10	property line offset - SK-05	with subs	may-10-19	may-10-19		
11	steel shop dwg comments E2.4 & E3.4	with subs	may-22-19	may-22-19		
12	application for gas meter	with subs	may-22-19	may-22-19		
13	rebar coupler question (RFI#19)	with subs	may-22-19	may-22-19		
14	shop dwg steel detail3 on A6.1 dimension change	with subs	may-30-19	may-30-19		
15	thermostat line voltage (RFI# 35)	with subs	june-25-19	june-25-19		
16r1	parking security gates (ESI5)	with subs	june-28-19	june-28-19		
17	gym curatin & steel intereference - RFI# 17 resp	with subs	july-2-19	july-2-19		
18	back to back zum carrier (RFI# 52 resp.)	with subs	july-3-19	july-3-19		
19	strap anchor spacing + slab infill (RFI# 43 resp)	with subs	july-3-19	july-3-19		
19r1	strap anchor spacing + slab infill (RFI# 43 resp)	with subs	sept-10-19	sept-10-19		
20	mech layout parking garage access control (EJ13)	with subs	july-3-19	july-3-19		
21	rev location of pwr dr operator (EJ14)	with subs	july-3-19	july-3-19		
22	3rd flr duct through beam web (SB4)	with subs	july-3-19	july-3-19		
23	steel deck closure angle grid 11 (SB5)	with subs	july-3-19	july-3-19		
24	Perimeter Boundary Documentation & Easement Location	with subs	july-25-19	july-25-19		
25	REV due to steel & structural coordination (ESI6)(MSI4)	with subs	july-25-19	july-25-19		
26	floor slope clarification (RFI#30 resp)	with subs	july-29-19	sept-10-19		
27	White board adj + outlet heights (RFI# 56 resp)	with subs	sept-9-19	sept-10-19		
28	68 davisville - pre-construction survey (struct option)	with subs	sept-10-19	sept-10-19		
29	sump pit locations (RFI# 65 resp)	with subs	sept-10-19	sept-10-19		
30	BE light mounting height STR F+G (RFI# 68 resp)	with subs	sept-10-19	sept-10-19		
31	string dimension clarifications (RFI# 31 resp)	with subs	sept-10-19	sept-10-19		
32	angled precast slab cut support (RFI# 44 resp)	with subs	sept-10-19	sept-10-19		
33	exhaust Rm # 6 - opening dimensions (RFI# 24 resp)	with subs	sept-10-19	sept-10-19		
34	wall thickness dimensions (RFI# 45 resp)	with subs	sept-10-19	sept-10-19		
35	hand dryers (RFI# 57 resp)	with subs	sept-10-19	sept-10-19		
36	string dimension = plumbing clarifications (RFI# 32 resp)	with subs	sept-10-19	sept-10-19		
37	receptacle and counter height needed (RFI# 70 resp)	with subs	sept-10-19	sept-10-19		
38	structural dimentions (RFI# 60 resp)	with subs	sept-10-19	sept-10-19		
39	stair H & K if precast or not (RFI# 46 resp)	with subs	sept-10-19	sept-10-19		
40	shift mech openings request (RFI# 48r1 resp)	with subs	sept-10-19	sept-10-19		
41	insulation above sanitary clarification (RFI# 54 resp)	with subs	sept-10-19	sept-10-19		
42	XXX zum drain clarification (RFI# 55 resp)	with subs	sept-10-19	sept-10-19		
43	MSQ#12 - structural steel (RFI# 62 resp)	with subs	sept-10-19	sept-10-19		
44	parapet structural steel issue (RFI# 44 resp)	with subs	oct-7-19	oct-7-19		
45	BBnet & scoreboard receptable location	with subs	oct-7-19	oct-7-19		
45r1	BBnet & scoreboard receptable location (ESI8)	with subs	nov-20-19	nov-20-19		
46	extend HLV2K monies increase	with subs	oct-7-19	oct-7-19		
47	dead weight of concrete for coreslab calcs (SI#47)	with subs	oct-9-19	oct-9-19		
48	Additional Girt for Curtainwall CW1 & CW9	with subs	oct-9-19	oct-9-19		

**Davisville JPS Replacement  
Site Instructions**

49	owner appliance info (RFI# 63 resp)	with subs	oct-11-19	oct-11-19		
50	roof railing system (RFI# 84 resp)	with subs	oct-11-19	oct-11-19		
51	misc metal railings + guards	with subs	oct-22-19	oct-22-19		
52	depth to cut shoring piles	with subs	oct-25-19	oct-25-19		
53	wall mounted BB net bracket (RFI# 81 resp)	with subs	oct-30-19	oct-30-19		
54	Admin Reception Stub-up (RFI# 74 resp)	with subs	oct-25-19	oct-25-19		
55	Sill height for screen S9	with subs	oct-28-19	oct-28-19		
56	Building permit	with subs	oct-28-19	oct-28-19		
57	control joint + WB locations in gym	with subs	oct-29-19	oct-29-19		
58	increase size of chase wall	with subs	oct-29-19	oct-29-19		
59	anchor bolts on line B	with subs	oct-30-19	oct-30-19		
60R1	stove top exhaust in child care	with subs	NOV-8-19	NOV-8-19		
61	plmb fixture shop dwg comments (sub-141)	with subs	oct-30-19	oct-30-19		
62	relocate duct opening through slab (RFI# 94 resp)	with subs	oct-31-19	oct-31-19		
63	10mm compressive filler	with subs	oct-31-19	oct-31-19		
64	topsoil treatment	with subs	oct-31-19	oct-31-19		
65	roof drain locations (RFI#95 resp)	with subs	nov-6-19	nov-6-19		
66	admin #101 - termination of conduits (ESI7)	with subs	nov-20-19	nov-20-19		
67		with subs				
68		with subs				
69		with subs				
70		with subs				
71		with subs				
72		with subs				

## Legend

- A - Architectural
- S - Structural
- M - Mechanical
- E - Electrical
- C - Civil

RFI	CONSLT	DESCRIPTION	SENT	VIA	REPLY BY	RESP	RESP RCVD	SI	CN	EMAIL	REPLY SENT TO	COMMENT
1	S	Elevator Hoist Size	March-01-19	email	ASAP	YES	April-10-19	SI#05		yes	Subs, Site	
2	S	MSQ # 1	March-04-19	email	ASAP	YES	March-16-19			yes	Subs, Site	
3	S	AGF RFI # 1	March-06-19	email	ASAP	YES	March-16-19			yes	Subs, Site	
4	S	AGF RFI # 2	March-08-19	email	ASAP	YES	March-15-19			yes	Subs, Site	
5	S / A	Perimeter Site Fence & Wood Fence Install on East Side	March-19-19	email	ASAP	YES	March-19-19			yes	Subs, Site	
6	A	Temp and Perm Fence Location @ 68 Davisville	March-26-19	email	ASAP	YES	May-22-19		4	yes	Subs, Site	
7	S	AGF RFI # 3	March-22-19	email	ASAP	YES	March-28-19			yes	Subs, Site	
8	S	AGF RFI # 4	March-28-19	email	ASAP	YES	April-10-19			yes	Subs, Site	
9	C	Geo Engineer Confirmation	April-01-19	email	ASAP	YES	April-01-19			yes	Subs, Site	
10	S	AGF RFI #05	April-08-19	email	ASAP	YES	April-10-19			yes	Subs, Site	
11	S	MSQ#2	April-15-19	email	ASAP	YES	April-24-19			yes	Subs, Site	
12	S	MSQ#3	April-22-19	email	ASAP	YES	May-06-19	SI#08		yes	Subs, Site	
13	S	MSQ#4	April-24-19	email	ASAP	YES	April-25-19			yes	Subs, Site	
14	S	MSQ#5	April-25-19	email	ASAP	YES	may-22-19			yes	Subs, Site	
15	S	MSQ#6	May-06-19	email	ASAP	Yes	July-03-19			yes	Subs, Site	
16	A	Existing Service Line @ 68 Davisville	May-14-19	email	ASAP	yes at site mtg						owner noted at site meeting okay to demo line
17	arch	gym curtain conflict + dimensions	may-16-19	email	ASAP	YES	July-02-19	SI#17		yes	subs, site	
18	mech/elect	garage elect rough-in issues	may-16-19	email	ASAP	YES	may-23-19			yes	subs, site	
18r1	mech/elect	garage elect rough-in issues	NA	email	ASAP	YES	may-30-19			yes	subs, site	REVISED RESPONSE
19	Structural	rebar coupler question	may-17-19	email	ASAP	Yes	May-21-19			yes	subs, site	
20	arch	stair E - 3 step riser issue	may-23-19	email	ASAP	Yes	June-03-19			yes	subs, site	
21	arch	waterproofing questions	may-23-19	email	ASAP	Yes	June-03-19			yes	subs, site	
22	arch/mech	foundation weeper question	may-24-19	email	ASAP	Yes	July-02-19			yes		
23	arch	opening at stair D dimension request	may-24-19	email	ASAP	Yes	June-03-19			yes	subs, site	
24	arch/mech/struct	exhaust Rm # 6 - opening dimensions request	may-24-19	email	ASAP	yes		si# 33		yes	site, subs	
25	arch/struct	height of walls to determine concrete slab slope	may-24-19	email	ASAP	Yes	June-06-19			yes	subs, site	
26	arch/elect	soak away pits for ductbanks	may-24-19	email	ASAP	Yes	June-18-19			yes	subs, site	
27	arch	frost slab clarifications	may-24-19	email	ASAP	Yes	June-07-19			yes	site	
28	Structural	MSQ#7	May-29-19	email	ASAP	Yes	June-06-19			yes	subs, site	
29	struct / arch	MSQ#8	june-3-19	email	ASAP	Yes	June-18-19			yes	subs, site	
30	arch/struct/mech	floor drains + slopes + floor finish issues	june-3-19	email	ASAP	yes		si# 26		yes	Subs, Site	
31	arch	string dimension on dwg A200 request	june-3-19	email	ASAP	Yes	July-02-19	si# 31		yes	subs, site	
32	arch/mech	dimension & info on dwg A201 request	june-3-19	email	ASAP	Yes	June-19-19	SI# 36			subs, site	
33	S	MSQ#9	June-04-19	email	ASAP	Yes	June-18-19			yes	subs, site	

RFI	CONSLT	DESCRIPTION	SENT	VIA	REPLY BY	RESP	RESP RCVD	SI	CN	EMAIL	REPLY SENT TO	COMMENT
34	E / A	Location of 3 receptacles at gym wall	June-07-19	email	ASAP	Yes	June-18-19			yes	subs, site	
35	mech	thermostat line voltage clarification request	june-12-19	email	ASAP	Yes	June-25-19	SI#15		yes	subs, site	
36	arch/struct	Design Notes requirements	June-12-19	email	ASAP	Yes	July-02-19			yes	subs, site	
37	arch	Cascadia Clips Clarification	June-12-19	email	ASAP	Yes	June-18-19	si# 35		yes	subs, site	
38	arch	Wall Assembly at South&East Elevation	June-12-19	email	ASAP	Yes	July-02-19			yes	subs, site	
39	mech/elect	binary or analog input for motor monitoring	June-13-19	email	ASAP	Yes	June-18-19			yes	subs, site	
40	mech/elect	control and feedback for AHU#1 - 3 & DOAS# 1-3	June-14-19	email	ASAP	yes	oct-30-19		23	yes	subs, site	
41	arch / struct	precast stair & slab questions	june-14-19	email	ASAP	Yes	June-18-19 + aug-15-19			yes	subs, site	
42	arch/struct	precast slab at elevator issue	june-17-19	email	ASAP	Yes	June-18-19			yes	subs, site	
43	arch / struct	precast slab cut outs for steel along grid B + anchors	june-17-19	email	ASAP	Yes	June-18-19	SI# 19r1		yes	subs, site	
44	arch / struct	angled precast slab cut support	june-20-19	email	ASAP	Yes	July-02-19	si# 32 + SI# 44			subs, site	
45	arch / struct	wall thickness discrepancies	june-20-19	email	ASAP	Yes	July-03-19	si# 34		yes	subs, site	
46	arch / struct	stair H & K if precast or not	june-20-19	email	ASAP	Yes	July-02-19	si# 39		yes	subs, site	
47	struct	library live & dead loads info request	june-20-19	email	ASAP	Yes	July-02-19			yes	subs, site	
48	arch / struct	shift mech openings request	june-20-19	email	ASAP	Yes	July-03-19	si# 40		yes	subs, site	
49	mech / arch	various mechanical plumbing issues + clarifications	june-21-19	email	ASAP	yes	june-21-19 + july-2-19			yes	subs, site	
50	arch	rubble use for shoring platform	june-21-19	email	ASAP	Yes	June-25-19			yes	subs, site	
51	mech	gym fan controls	june-24-19	email	ASAP	YES	july-3-19			yes	subs, site	
52	mech	back to back zurn clarification	june-24-19	email	ASAP	YES	july-3-19			yes	subs, site	
53	arch	S.O.G membrane below parking slab clarification	june-26-19	email	ASAP	YES	july-3-19			yes	subs, site	
54	mech	insulation above sanitary clarification	june-28-19	email	ASAP	YES	july-3-19	si# 41		yes	subs, site	
55	mech	XXX zurn drain clarification	july-2-19	email	ASAP	YES	july-3-19	si# 42		yes	subs, site	
56	arch / elect	interactive projector dimensions	july-4-19	email	ASAP	yes		SI# 27		yes	subs, site	
57	arch/elect/mech	DJRPS - RFI#57 – Hand Dryer@ Uni. WRs Install Clarification	july-4-19	email	ASAP	Yes	July-09-19			yes	subs, site	Inter-Co Responded
58	struct	shoring location confirmation	july-5-19	email	ASAP							closed issued resolved on site
59	struct / arch	structural steel MSQ# 10	july-5-19	email	ASAP	yes		si# 25		yes	subs, site	
60	struct / arch	structural steel MSQ# 11	july-5-19	email	ASAP	yes		si# 38		yes	site, sub	
61	elect	lighting control convenience power	july-8-19	email	ASAP	yes	sept-17-19			yes	site, subs	need formal response
62	struct	MSQ#12 – structural steel	july-22-19	email	ASAP	yes	july-23-19	si# 43		yes	site subs	
63	arch / owner	owner appliances info request	july-23-19	email	ASAP	Yes	AUG-27-19 + oct-11-19	si# 49		yes	site, sub	
64	struct	structural steel MSQ# 13	july-25-19	email	ASAP	Yes	aug-13-19			yes	site, sub	
65	arch, struct	ftg undermine at sump pits	july-25-19	email	ASAP	yes	july-26-19	si# 29		yes		
66	arch	teacher closet lockset	july-29-19	email	ASAP	yes	sept-10-19			yes	site, subs	
67	elect	FA panel release parking gates ?	july-29-19	email	ASAP	yes	aug-23-19			yes	site, subs	
68	elect / arch	BE light mounting heights needed STR F+G	aug-15-19	email	ASAP	yes		SI# 30		yes	site, subs	
69	arch	SOG slab arch graphic clarification	aug-15-19	email	ASAP	yes	sept-10-19			yes	site, subs	
70	arch / elect	receptacle and counter height needed	sept-2-19	email	ASAP	yes		si# 37		yes	site, subs	





## DAVISVILLE JUNIOR PUBLIC SCHOOL - SUBMITAL LOG

SUBMISSION STATUS LEGEND	CONSULTANT TO REVIEW FOR APPROVAL SUBTRADE TO SUBMIT TO BE DEALT / DISCUSSED		CLOSE OUT DOCUMENT	REVIEW STATUS LEGEND	REJ - Rejected REV - Reviewed RAN - Reviewed as Noted							
Spec Section	Spec Description	SUB - NO.	Company	Description	DATE IN FROM TRADE	DATE OUT TO CONSULTANT	DATE IN FROM CONSULTANT	DATE OUT TO TRADE	DATE TO SITE PRINTED	DATE FOR ARCHITECT COPY	Status	Comments
Div 1	General Requirements											
Division 1	Tree Protection		Percon									
Cash Allowance	Parking Garage Gates		Convergint Tech.									
	Shop Drawing		Convergint Tech.									
17800	Close Out Submittals		ALL SUBCONTRACTORS									
1.2	Operations and Maintenance Manuals											
1.2.12	3 Weeks prior to Substantial Performance of Work submit: 1 Draft Copy for Review in a binder 8.5x11" Arrange by System and Section / Division Number by TAB Provide Complete list of Subcontractors with Contact Provide Complete list of Products Used Provide reviewed and accepted copies of Shop Drawings, Product Data, Samples, Test Reports, Field Reports and Certificates Finish Hardware Schedule as ammended Schedule of Paints, Coatings Maintenance of Finishes Brochures, cut sheets Operating and Maintenance Instructions Valve Manuals Controls Schematics Air and Water Balancing Reports Maintenance Contracts											
1.3	As-built Documents											
1.4	Spare Parts, Tools and Extra Stock Materials											
19001	Commissioning											
	Mechanical											
	Electrical											
DIV 3												
	TEST REQUIREMENTS CAST-IN-PLACE CONCRETE											
14523.07 Part 5	One Strength Test for Each 100m3 of each class											
14523.07 Part 5	Location to be noted on test reports											
14523.07 Part 6	Slump to be tested for Slab pours											
14523.07 Part 7	Parking Strucutre Concrete, tests for each day											
14523.07 Part 8	Baseplat goruting test each day											
03 30 53	CAST-IN-PLACE CONCRETE											
03 30 53	FORMWORK											
03 30 53	Shop Drawing	SUB-024	Jessco	Formwork Systems Shop Drawing	April-08-19	April-08-19	April-09-19	April-09-19			REJ	
03 30 53	Shop Drawing	SUB-024r1	Jessco	Formwork Systems Shop Drawing	April-24-19	April-25-19	April-30-19	April-30-19			REJ	
03 30 53	Shop Drawing	SUB-024r2	Jessco	Formwork Systems Shop Drawing	May-27-19	May-27-19	June-03-19	June-03-19	June-03-19		REV	
03 30 53	Shop Drawing	SUB-093	Jessco	Shoring for Ground Floor Shop Drawing	June-25-19	June-25-19	Sept-16-19	Sept-16-19	Sept-16-19	Sept-16-19	RAN	
03 30 53	Shop Drawing	SUB-126	Jessco	Concrete Pour Break Shop Drawing	Sept-03-19	Sept-03-19	Sept-11-19	Sept-16-19	Sept-16-19	Sept-16-19	REV	
03 30 53	Concrete Reinforcement and Embedded Assemblies		AGF-Rebar									
03 30 53	shop drawing	SUB-005	AGF-Rebar	Footing and Peir Reinforcement (R100)	March 12 2019	March 12 2019	March 27 2019	March 27 2019	April-07-19		RAN	clouded dimensions to be clarified
03 30 53	shop drawing	SUB-008	AGF-Rebar	Foundation Reinfroment (R101-R106)	March 15 2019	March 15 2019	March 18 2019	March 18 2019	April-07-19		RAN	
03 30 53	shop drawing	SUB-010	AGF-Rebar	Foundation Wall Reinforcement (R107-R110 + R112-R114)	March 18 2019	March 18 2019	March 27 2019	March 27 2019	April-07-19		RAN	
03 30 53	shop drawing	SUB-013	AGF-Rebar	Foundation Wall Reinforcement (R115-R116)	March 21 2019	March 21 2019	March 27 2019	March 27 2019	April-07-19		RAN	
03 30 53	shop drawing	SUB-012	AGF-Rebar	Foundation Wall Reinforcement (R117-R120)	March 21 2019	March 21 2019	March 27 2019	March 27 2019	April-07-19		RAN	
03 30 53	shop drawing	SUB-016	AGF-Rebar	Foundation Wall Reinforcement (R121-R122)	March-27-19	March-27-19	April-10-19	April-10-19	April-10-19		RAN	
03 30 53	shop drawing	SUB-017	AGF-Rebar	Foundation Wall Reinforcement (R123 + R200-R204)	March-27-19	March-27-19				Not Reviewed. Refer to SUB-060		
03 30 53	shop drawing	SUB-018	AGF-Rebar	Foundation Wall Reinforcement (R205-R209)	March-27-19	March-27-19	June-19-19	June-19-19	June-19-19	June-19-19	RAN	waiting on PC#2 approval
03 30 53	shop drawing	SUB-020	AGF-Rebar	Foundation Wall Reinforcement (R300-R303)	March-29-19	March-29-19	April-30-19	April-30-19			REJ	Refer to SUB-046
03 30 53	shop drawing	SUB-023	AGF-Rebar	Foundation Wall Reinforcement (R210 + R305)	April-04-19	April-07-19	April-30-19	April-30-19			REJ	Refer to SUB-046 for R305
03 30 53	shop drawing	SUB-027	AGF-Rebar	Rebar Shop Drawing R211-215, R304	April-15-19	April-15-19	April-30-19	April-30-19			REJ	Refer to SUB-046 for R304
03 30 53	shop drawing	SUB-034	AGF-Rebar	Rebar Shop Drawing, R216, 306, 400, 401, 403	April-26-19	April-26-19	April-30-19	April-30-19			REJ	
03 30 53	shop drawing	SUB-046	AGF-Rebar	Rebar Shop Drawing, R300 - 305	May-09-19	May-09-19	June-19-19	June-19-19	June-19-19	June-19-19	RAN	
03 30 53	shop drawing	SUB-059	AGF-Rebar	Rebar Shop Drawing, R111	May-17-19	May-17-19	June-19-19	June-19-19	June-19-19	June-19-19	RAN	
03 30 53	shop drawing	SUB-060	AGF-Rebar	Rebar Shop Drawing, R200 - 204	May-17-19	May-17-19	June-03-19	June-03-19	June-03-19	June-03-19	RAN	
03 30 53	shop drawing	SUB-077	AGF-Rebar	Rebar Shop Drawing, R402, 404 - 406	May-28-19	May-28-19	July-24-19	July-24-19	July-24-19	July-24-19	RAN	
03 30 53	shop drawing	SUB-087	AGF-Rebar	Rebar Shop Drawing, R500 - 505	June-19-19	June-19-19	July-24-19	July-24-19	July-24-19	July-24-19	RAN	
03 30 53	shop drawing	SUB-128	AGF-Rebar	Rebar Shop Dwg - R304 - R306	Sept-04-19	Sept-05-19	Sept-25-19	Sept-25-19	Sept-25-19	Sept-25-19	REJ	

03 30 53	shop drawing	SUB-128r1	AGF-Rebar	Rebar Shop Dwg - R304 - R306	Oct-07-19	Oct-07-19	Oct-08-19	Oct-08-19	Oct-08-19	Oct-08-19	Oct-08-19	RAN	
03 30 53	shop drawing	SUB-129	AGF-Rebar	Rebar Shop Dwg - R400 - R403	Sept-04-19	Sept-05-19	Sept-16-19	Sept-16-19	Sept-16-19	Sept-16-19	Sept-16-19	REJ	
03 30 53	shop drawing	SUB-129r1	AGF-Rebar	Rebar Shop Dwg - R400 - R403	Sept-17-19	Sept-17-19	Sept-25-19	Sept-25-19	Sept-25-19	Sept-25-19	Sept-25-19	RAN	
03 30 53	shop drawing	SUB-133	AGF-Rebar	Rebar Shop Dwg - R210 - R216	Sept-16-19	Sept-16-19	Sept-25-19	Sept-25-19	Sept-25-19	Sept-25-19	Sept-25-19	RAN	
03 30 53	RFI	SUB-014	AGF-Rebar	typical length vertical bar of masonry wall.	March 22 2019	March 22 2019	March-28-19	March-28-19				REV	RFI#07
03 30 53	product data		AGF-Rebar										
03 30 53	mill report		AGF-Rebar										
03 30 53	strain test		AGF-Rebar										
03 30 53	Cast-in Place Concrete		Innocon Inc										
03 30 53	mix design	SUB-003	Innocon Inc	Concrete Mix Design	March 08 2019	march 08 2019	March 27 2019	March 27 2019	April-07-19			RAN	
03 35 43	Concrete Floor Sealing		Con X										
Product Data	Provide Product Data, including data sheets												
Closeout	Provide Manufactures Standard Maintenance Guidelines												
03 41 13	Precast Structural Concrete		Coreslab										
03 41 13	concrete mix design		Coreslab										
03 41 13	shop drawing	SUB-097	Coreslab	Coreslab Shop drawing - lvl 2	July-04-19	July-04-19	July-26-19	July-26-19	July-26-19	July-26-19	July-26-19	RAN	
03 41 13	shop drawing		Coreslab	CoreSlab Shop Drawing - 3rd floor									
03 41 13	shop drawing		Coreslab	CoreSlab Shop Drawing - Roof									
03 41 13	structural design calculation		Coreslab										
03 41 13	product data		Coreslab										
Warranty	Provide 5 Year Warranty		Coreslab										
03 41 23	Precast Concrete Stairs		Coreslab										Dist. To Mirage
03 41 23	Shop Drawings	SUB-084	Coreslab	Level 0 to Level 1 stairwells only Shop Drawing (Stairs D, E, G)	June-14-19	June-14-19	July-23-19	July-23-19	July-23-19	July-23-19	July-23-19	RAN	
03 41 23	Shop Drawings	SUB-084r1	Coreslab	Level 0 to Level 1 stairwells only Shop Drawing (Stairs D, E, G) - Record Set	Aug-27-19	Aug-28-19							
03 41 23	Shop Drawings	SUB-098	Coreslab	Precast Stairs Shop Drawing	July-05-19	July-05-19	July-26-19	July-26-19	July-26-19	July-26-19	July-26-19	RAN	
03 41 23	Shop Drawings	SUB-098r1	Coreslab	Precast Stairs Shop Drawing	Nov-11-19	Nov-11-19							
03 41 23	Product Data, Cut Sheets		Coreslab										refer to above sub-084 & 098
DIV 4													
14523.15	Testing and Inspection Masonry and Masonry Reinforcing		JVH Masonry										
Part 6	Mortar Testing - Each 500m2 and 2 tests for every floor lift		JVH Masonry										
Part 7	Grout Test - Each 20m3 of grout poured		JVH Masonry										
Part 8	Masonry Testing - 5 units of each size for each 500m2 and each Storey		JVH Masonry										
	Tests doubled for units greater than 15MPA and Clay Units at 25 MPA		JVH Masonry										
04 05 00	COMMON WORK RESULTS FOR MASONRY		JVH Masonry										
1.2	SAMPLES AS PER BELOW		JVH Masonry										refer to sample submittals below
1.4	TEST REPORTS AS PER BELOW		JVH Masonry										refer to data sheet submittals below
1.6	MOCK UP PANEL - 1220 x 1860		JVH Masonry										refer to mock-up submittals below
3.1	CLEANING		JVH Masonry										
04 05 10	Masonry Mortaring and Grouting		JVH Masonry										
04 05 10	Data Sheet	SUB-114	JVH Masonry	Masonry Anchorage & Mortar Data Sheet	July-25-19	July-25-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19	REV	associated portion of the submittal is reviewed
04 05 10	sample	SUB-138	JVH Masonry	Masonry Mortaring and Grouting Color Chart	Sept-23-19	Sept-23-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19	RAN	
04 05 10	mock up		JVH Masonry										
04 05 19	Masonry Anchorage and Reinforcing		JVH Masonry										
Section 2	Data Sheet	SUB-114	JVH Masonry	Masonry Anchorage & Mortar Data Sheet	July-25-19	July-25-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19	REV	
Section 2	Data Sheet	SUB-114r1	JVH Masonry	Masonry Anchorage & Mortar Data Sheet	Aug-16-19	Aug-16-19	Aug-28-19	Aug-28-19	Aug-28-19	Aug-28-19	Aug-28-19	REV	
Section 2	sample		JVH Masonry										
04 05 23	Masonry Accessories		JVH Masonry										
	Datashet	SUB-114	JVH Masonry	Masonry Anchorage & Mortar Data Sheet	July-25-19	July-25-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19	REV	associated portion of the submittal is reviewed
1.3	Mockups		JVH Masonry										
2	Product Samples		JVH Masonry										
04 21 00	Clay Unit Masonry		JVH Masonry										
04 21 00	sample	SUB-116	JVH Masonry	Clay Unit Sample	Aug-01-19	Aug-01-19	Oct-22-19	Oct-22-19	Oct-22-19	Oct-22-19	Oct-22-19	REV	
04 21 00	sample	SUB-116r1	JVH Masonry	Clay Unit Sample	Nov-06-19	Nov-06-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19	REV	
04 21 00	mock up		JVH Masonry										
04 22 00	Concrete unit masonry		JVH Masonry										
04 22 00	Data Sheet	SUB-115	JVH Masonry	Masonry Block Data Sheet	July-30-19	July-30-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19	REV	
04 22 00	Data Sheet	SUB-153	JVH Masonry	Foam Insulation Data Sheet	Nov-07-19	Nov-07-19							
04 22 00	Data Sheet	SUB-154	JVH Masonry	8 LW Concrete block Data sheet	Nov-07-19	Nov-07-19							
04 22 00	sample	SUB-118	JVH Masonry	Masonry Block & Spray foam Sample	Aug-09-19	Aug-09-19	Nov-06-19	Nov-06-19	Nov-06-19	Nov-06-19	Nov-06-19	RAN	
04 22 00	mock up		JVH Masonry										
04 43 16.01	Quarried Stone		JVH Masonry										
	Samples and Documentation on Source of Quarried Sample		JVH Masonry										
DIV 5													
05 05 19	POST-INSTALLED ANCHORS												send copy of approved steel shops to aerloc
05 05 19	Shop Drawing	SUB-004	Mirage Steel	Post Installed Anchor Bolts	March 12 2019	March 12 2019	March 14 2019	March 14 2019	April-07-19			REV	send copy of approved steel shops to aerloc
05 05 19	Shop Drawing	SUB-006	Mirage Steel	Post Installed Anchor Bolts	March-13-19	March-13-19	April-26-19	April-26-19	April-26-19			REV	send copy of approved steel shops to aerloc
05 12 13	Structural Steel, Architectural Exposed Structural Steel		Mirage Steel										send copy of approved steel shops to aerloc



Item No.	Description	Sub No.	Material	Notes	Start Date	End Date	Start Date	End Date	Start Date	End Date	Start Date	End Date	Status	Comments
05 12 13	calculations, shop drawing		Mirage Steel											send copy of approved steel shops to aerloc
05 12 13	preconstruction survey		Mirage Steel											send copy of approved steel shops to aerloc
05 12 13	product data		Mirage Steel											send copy of approved steel shops to aerloc
05 12 13	mill report		Mirage Steel											send copy of approved steel shops to aerloc
05 21 19	<b>Structural Steel &amp; OWSJ</b>		Mirage Steel											send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-015	Mirage Steel	Ground Floor Lintel Shop Drawings	March-27-19	March-27-19	April-10-19	April-10-19	April-10-19				RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-015	Mirage Steel	Ground Floor Lintel Shop Drawings - E2.4	N.A	N.A	May-30-19	May-30-19	May-30-19				RAN	E2.4 was reissued from the consultant with additional comments. send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-021	Mirage Steel	Second Floor Framing Plan E3.1, 3.2, 6.1	April-04-19	April-07-19	April-24-19	April-24-19					RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-021r1	Mirage Steel	Second Floor Framing Plan E3.1, 3.2, 6.1	na	na	April-30-19	April-30-19	April-30-19				RAN	Reissued from arch. As resp. to RFI#14. send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-022	Mirage Steel	Second Floor Framing Plan E3.3, 6.2	April-05-19	April-07-19	April-24-19	April-24-19					RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-022r1	Mirage Steel	Second Floor Framing Plan E3.3, 6.2	na	na	April-30-19	April-30-19	April-30-19				RAN	Reissued from arch. As resp. to RFI#14. send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-026	Mirage Steel	Second Floor Framing Plan E3.4, 6.3	April-11-19	April-11-19	April-30-19	April-30-19	April-30-19				RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-026r1	Mirage Steel	Second Floor Framing Plan E3.4, 6.3	N.A	N.A	May-30-19	May-30-19	May-30-19				RAN	Reissued from the consultant with additional comments. send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-030	Mirage Steel	2nd FL Lintel Plan & Schedule + Partial 3rd FL Framing Plan	April-23-19	April-23-19	June-04-19	June-04-19	June-04-19				RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-045	Mirage Steel	Partial 3rd Floor Framing E3.6, 3.7, 6.5, 6.6	May-07-19	May-07-19	July-04-19	July-04-19	July-04-19	July-04-19			RAN	Dist. To Coreslab. send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-055	Mirage Steel	3rd FL Lintel Plan & Schedule	May-14-19	May-14-19	July-04-19	July-04-19	July-04-19	July-04-19			RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-079	Mirage Steel	Moment Connection Design - EMC1.1	May-30-19	May-30-19	July-24-19	July-24-19	July-24-19	July-24-19			RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-081	Mirage Steel	Roof framing E4.2, E7.2	June-06-19	June-06-19	June-25-19	June-25-19	June-25-19	June-25-19			RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-086	Mirage Steel	Roof framing E4.1, E4.3, E5.2, E7.1, E7.3	June-19-19	June-19-19	July-24-19	July-24-19	July-24-19	July-24-19			RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-088	Mirage Steel	E5.1 Shop Drawing	June-20-19	June-20-19	July-24-19	July-24-19	July-24-19	July-24-19			RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-092	Mirage Steel	Roof Framing Plan E4.4, E7.4	June-24-19	June-24-19	July-24-19	July-24-19	July-24-19	July-24-19			RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-095	Mirage Steel	Masonry Anchor EMA1.1 - 1.4	June-26-19	June-26-19	July-03-19	July-03-19	July-03-19	July-03-19			REV	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-100	Mirage Steel	Garage Ramp AB, Lintel, Roof Frame Plan	July-05-19	July-05-19	July-24-19	July-24-19	July-24-19	July-24-19			RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-106	Mirage Steel	Joist Shop Dwg, LJ-1 to LJ-23	July-11-19	July-11-19	July-24-19	July-24-19	July-24-19	July-24-19			RAN	send copy of approved steel shops to aerloc
05 21 19	shop drawing	SUB-134	Mirage Steel	Joist Shop Dwg, J1 - 16	Sept-16-19	Sept-16-19	Sept-25-19	Sept-25-19	Sept-25-19	Sept-25-19			REV	send copy of approved steel shops to aerloc
05 21 19	certificate of compliance - testing and inspection		Mirage Steel											
05 31 00	<b>Steel Deck</b>		Gage Metal Cladding											
05 31 00	shop and erection drawing	SUB-002	Gage Metal Cladding	Metal Deck	March 08 2019	March 08 2019	March 14 2019	March 14 2019					REJ	
05 31 00	manufacturer certification	SUB-002r1	Gage Metal Cladding	Metal Deck	March 25 2019	March 25 2019	Oct-10-19	Oct-10-19	Oct-10-19	Oct-10-19			RAN	waiting on OWSJ Shop DWG
05 31 00	Product Data Sheet	SUB-048	Gage Metal Cladding	Metal Deck Product Data Sheet	May-09-19	May-09-19	Oct-25-19	Oct-25-19	Oct-25-19	Oct-25-19			RAN	
05 31 00	installation instruction		Gage Metal Cladding											
05 31 00	certificate of compliance - testing and inspection		Gage Metal Cladding											
05 40 00	<b>Cold-formed metal framing</b>		Petko											
05 40 00	product data		Petko											
05 40 00	shop drawing		Petko											
05 40 00	sample		Petko											
05 40 00	evaluation report		Petko											
05 50 00	<b>Metal Fabrication</b>		Unique Iron											
05 50 00	shop drawing	SUB-136	Unique Iron	Misc. Metal Shop Drawing	Sept-18-19	Sept-18-19	Oct-28-19	Oct-28-19	Oct-28-19				REJ	send copy to second gen when approved
05 50 00	shop drawing	SUB-136r1	Unique Iron	Misc. Metal Shop Drawing										send copy to second gen when approved
05 51 00	<b>Metal Stairs</b>		Unique Iron											send copy to second gen when approved
05 51 00	shop drawing	SUB-137	Unique Iron	Metal Stairs Shop Drawing	Sept-18-19	Sept-18-19	Oct-23-19	Oct-23-19	Oct-23-19	Oct-23-19			RAN	send copy to second gen when approved
<b>DIV 6</b>														
06 10 00	<b>Rough Carpentry</b>													
06 15 00	<b>Wood Decking</b>													
06 15 00	Samples													
06 16 43	<b>Gypsum Sheathing</b>		Petko											
06 16 43	Sample / Product Datasheet		Petko											
06 20 00	<b>Finish Carpentry</b>		Second Generation											
06 20 00	shop drawing	SUB-127	Second Generation	Millwork Shop Drawing	Sept-04-19	Sept-04-19	Oct-23-19	Oct-23-19	Oct-23-19	Oct-23-19			RAN	
06 20 00	sample		Second Generation											
06 24 00	<b>High Pressure Decorative Laminate</b>		Second Generation											
06 24 00	sample		Second Generation											
Closeout	Extended Warranty - 2 Years as per section 1.5		Second Generation											
06 40 00	<b>Architectural woodwork</b>		Second Generation											
06 40 00	shop drawing	SUB-127	Second Generation	Millwork Shop Drawing	Sept-04-19	Sept-04-19	Oct-23-19	Oct-23-19	Oct-23-19	Oct-23-19			RAN	
06 40 00	sample		Second Generation											
Closeout	Extended Warranty - 2 Years from AWMAC GC as per section 1.8		Second Generation											
<b>DIV 7</b>														
07 13 13.13	<b>Bituminous sheet waterproofing-blind side</b>		Aquanorth											
07 13 13.13	product data	SUB-028	Aquanorth	Water Proofing Product Data Sheet	April-15-19	April-15-19	NA	NA					Not Reviewed	Refer to R1
07 13 13.13	product data	SUB-028r1	Aquanorth	Water Proofing Product Data Sheet	April-15-19	April-30-19	June-19-19	July-09-19	July-09-19	July-09-19			Reviewed	







09 96 46	<b>Intumescent painting</b>		<b>Fire Proofing Plus</b>										
	product data	SUB-131	Fire Proofing Plus	Fire Proofing & Intumescent Painting	Sept-16-19	Sept-16-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19		RAN	
	samples		Fire Proofing Plus										
<b>DIV 10</b>													
10 11 00	<b>Visual display surfaces</b>		<b>Global School Products</b>										
10 11 00	shop drawings	SUB-109	Global School Products	white/tack boards and coat racks Shop Drawing	July-16-19	July-16-19	July-24-19	July-24-19	July-24-19	July-24-19		RAN	
10 11 00	samples		Global School Products										
Closeout	Maintenance Data		Global School Products										
Closeout	Warranty - Extended warranty - 10 years as per 1.6												
10 14 00	<b>Signage (CASH ALLOWANCE)</b>												
	shop drawings												
	samples												
Closeout	Maintenance Data												
10 14 53	<b>Traffic Signage</b>		<b>New Style Signs</b>										
10 14 53	shop drawing	SUB-123	New Style Signs	Traffic Signage Shop Dwg	Aug-26-19	Aug-26-19	Oct-23-19	Oct-23-19	Oct-23-19	Oct-23-19		RAN	
Closeout	Maintenance Data												
10 21 13.19	<b>Plastic toilet compartments</b>		<b>Inter-Co</b>										
10 21 13.19	product data	SUB-080	Inter-Co	Washroom Partition & Accessories Shop Drawing	June-06-19	June-06-19	July-24-19	July-24-19	July-24-19	July-24-19		RAN	
10 21 13.19	shop drawing	SUB-080	Inter-Co	Washroom Partition & Accessories Shop Drawing	June-06-19	June-06-19	July-24-19	July-24-19	July-24-19	July-24-19		RAN	
10 21 13.19	samples	SUB-091	Inter-Co	Washroom Partition Color Selection	June-21-19	June-21-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19		RAN	
Closeout	Maintenance Data		Inter-Co										
10 28 13	<b>Toilet accessories</b>		<b>Inter-Co</b>										
10 28 13	product data	SUB-080	Inter-Co	Washroom Partition & Accessories Shop Drawing	June-06-19	June-06-19	July-24-19	July-24-19	July-24-19	July-24-19		RAN	
10 28 13	Shop Drawing	SUB-080	Inter-Co	Washroom Partition & Accessories Shop Drawing	June-06-19	June-06-19	July-24-19	July-24-19	July-24-19	July-24-19		RAN	
Closeout	Maintenance Data & 2 keys for each accessory (master key)		Inter-Co										
10 51 13	<b>Metal Lockers</b>		<b>GRB</b>										
10 51 13	shop drawing	SUB-064	GRB	Metal Locker Shop Drawing & Color Sample	May-17-19	May-17-19							
10 51 13	samples	SUB-064	GRB	Metal Locker Shop Drawing & Color Sample	May-17-19	May-17-19							
10 51 13	samples	SUB-075	GRB	Metal Locker Color Sample - physical sample	May-27-19	May-27-19							
10 51 13	mock up		GRB										
Closeout	Extra Stock - As per 1.5 Materials to construct 10 add lockers		GRB										
10 57 13	<b>Hat and coat racks</b>		<b>Global School Products</b>										
10 57 13	shop drawings	SUB-109	Global School Products	white/tack boards and coat racks Shop Drawing	July-16-19	July-16-19	July23-19	July23-19	July23-19	Nov-19-19		RAN	
10 57 13	samples		Global School Products										
10 71 13	<b>Exterior sun control devices</b>		<b>Aerloc</b>										
10 71 13	product data		Aerloc										
10 71 13	shop drawing	SUB-122	Aerloc	Alum, Glass, Ext Sun Grille Shop Dwg	Aug-26-19	Aug-26-19	Aug-26-19	Aug-26-19	Sept-24-19	Sept-24-19		Sept-24-19	
10 71 13	shop drawing	SUB-147	Aerloc	Sun Control Device Connection Detail	Oct-11-19	Oct-11-19	Oct-22-19	Oct-22-19	Oct-22-19	Oct-22-19		RAN	
10 71 13	samples												
10 75 00	<b>Flagpoles</b>		<b>Ewing</b>										
10 75 00	Data Sheets	SUB-033	Ewing										
10 75 00	Shop Drawings	SUB-033	Ewing	Flag Pole Shop Drawing	April-24-19	April-25-19	May-08-19	May-08-19				REJ	
10 75 00	Shop Drawings	SUB-033r1	Ewing	Flag Pole Shop Drawing									
10 82 13	<b>Exterior Grilles and Screens</b>		<b>Aerloc</b>										
10 82 13	product data		Aerloc										
10 82 13	shop drawing	SUB-122	Aerloc	Alum, Glass, Ext Sun Grille Shop Dwg	Aug-26-19	Aug-26-19	Aug-26-19	Aug-26-19	Sept-24-19	Sept-24-19		Sept-24-19	
10 82 13	samples	SUB-125	Aerloc	Aluminum Sunscreen Color Chart	Aug-27-19	Aug-27-19							
<b>DIV 11</b>													
11 52 13	<b>Projection Screens</b>		<b>Ten Plus</b>										
11 52 13	product data	SUB-155	Ten Plus	Projection Screen Shop Drawing	Nov-18-19	Nov-18-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19		RAN	
11 52 13	Shop Drawing	SUB-155	Ten Plus	Projection Screen Shop Drawing	Nov-18-19	Nov-18-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19		RAN	
11 66 23	<b>Gymnasium Equipment</b>		<b>Forum</b>										
11 66 23	Product Data		Forum										
11 66 23	Shop Drawings	SUB-058	Forum	Ceiling Mounted Basketball Backstop Shop Drawing Type A	May-17-19	May-17-19	July-23-19	July-23-19	July-23-19	July-23-19		RAN	dist. To Mirage. Instruction needs to be issued as per email on july-24
11 66 23	Shop Drawings	SUB-107	Forum	Ceiling Mounted Basketball Backstop Shop Drawing Type B&C	July-12-19	July-12-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19		RAN	
11 66 23	Shop Drawings	SUB-119	Forum	Gym Equipment Shop Drawing - Floor, Storage sockets, Gym padding	Aug-14-19	Aug-14-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19		RAN	
11 66 23	Shop Drawings	SUB-140	Forum	Wall Mounted Basketball Net Shop Drawing	Oct-01-19	Oct-01-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19		RAN	
Closeout	Manufactures Report - Installation is structurally safe and adheres to the shop drawings		Forum										
													dist. To Mirage
11 66 53	<b>Gymnasium Divider</b>		<b>Forum</b>										
11 66 53	Product Data		Forum										
11 66 53	Shop Drawings		Forum										
Closeout	Manufactures Report - Installation is structurally safe and adheres to the shop drawings		Forum										
Closeout	Operation and Maintenance Data		Forum										
<b>DIV 12</b>													
12 24 00	<b>Roller window shades</b>		<b>G-Line Shading Inc.</b>										
12 24 00	product data	SUB-117	G-Line Shading Inc.	Window Roller Shades Shop Dwg & Sample	Aug-01-19	Aug-01-19	Nov-20-19	Nov-20-19				REJ	

12 24 00	shop drawing	SUB-117	G-Line Shading Inc.	Window Roller Shades Shop Dwg & Sample	Aug-01-19	Aug-01-19	Nov-20-19	Nov-20-19					REJ	
12 24 00	samples	SUB-117	G-Line Shading Inc.	Window Roller Shades Shop Dwg & Sample	Aug-01-19	Aug-01-19	Nov-20-19	Nov-20-19					REJ	
12 24 00	product data	SUB-117r1	G-Line Shading Inc.	Window Roller Shades Shop Dwg & Sample										
12 24 00	shop drawing	SUB-117r1	G-Line Shading Inc.	Window Roller Shades Shop Dwg & Sample										
12 24 00	samples	SUB-117r1	G-Line Shading Inc.	Window Roller Shades Shop Dwg & Sample										
12 24 00	fire test report		G-Line Shading Inc.											
Closeout	Operation and Maintenance Data		G-Line Shading Inc.											
Closeout	Extended Warranty - 10 years as per section 1.10		G-Line Shading Inc.											
12 56 00	Institutional Furniture													
	Product Data													
DIV 14														
14 24 23	hydraulic passenger elevators		ThyssenKrupp Elevator											
14 24 23	product data		ThyssenKrupp Elevator											
14 24 23	shop drawing	SUB-074	ThyssenKrupp Elevator	Elevator Shop Drawing	May-23-19	May-23-19	June-04-19	June-04-19	June-04-19				RAN	
14 24 23	shop drawing	SUB-074r1	ThyssenKrupp Elevator	Elevator Shop Drawing	Aug-07-19	Aug-07-19	Sept-17-19	Sept-17-19	Sept-17-19	Sept-17-19			RAN	
14 24 23	shop drawing	SUB-074r2	ThyssenKrupp Elevator	Elevator Shop Drawing - Record Purpose	Nov-04-19	Nov-04-19				Record Purpose Only				
14 24 23	shop drawing	SUB-145	ThyssenKrupp Elevator	Elevator Cab & Fixture Shop Drawing	Oct-09-19	Oct-09-19	Oct-28-19	Oct-28-19	Oct-28-19	Oct-28-19			RAN	
14 24 23	samples		ThyssenKrupp Elevator											
Closeout	Operation and Maintenance Manuals		ThyssenKrupp Elevator											
Closeout	Spare parts and tools as per section 1.6		ThyssenKrupp Elevator											
DIV 21														
21 00 10	Sprinkler Protection		General Sprinklers											
21 00 10	shop drawing	SUB-130	General Sprinklers	Sprinklers Shop Drawing & Calculation	Sept-11-19	Sept-11-19	Oct-25-19	Oct-25-19	Oct-25-19	Oct-25-19			RAN	
21 00 10	Calculations	SUB-130	General Sprinklers	Sprinklers Shop Drawing & Calculation	Sept-11-19	Sept-11-19	Oct-25-19	Oct-25-19	Oct-25-19	Oct-25-19			RAN	
DIV 22														
22 00 00	Plumbing and drainage		Municipal Mechanical											
	Shop Drawing Breakdown	SUB-036	Municipal Mechanical	Pump Shop Drawings	April-26-19	April-26-19	Oct-01-19	Oct-04-19	Oct-04-19	Oct-04-19			REV	Distribute to ESC - Controls
	Shop Drawing Breakdown	SUB-019	Municipal Mechanical	Mechanical Shop Drawing Schedule	March-29-19	March-29-19								Distribute to ESC - Controls
	Shop Drawing	SUB-040	Municipal Mechanical	Grey Water System	April-29-19	April-29-19	May-09-19	May-09-19	May-09-19				RAN	Distribute to ESC - Controls
	Shop Drawing	SUB-054	Municipal Mechanical	Drain Accessorie Shop Drawing	May-14-19	May-14-19	Oct-23-19	Oct-23-19	Oct-23-19	Oct-23-19			RAN	Distribute to ESC - Controls
	Shop Drawing	SUB-039	Municipal Mechanical	Domestic Hot Water Heater	April-29-19	April-29-19	May-23-19	May-23-19	May-23-19				REV	Distribute to ESC - Controls
	Shop Drawing	SUB-037	Municipal Mechanical	Water Meter	April-26-19	April-26-19	Nov-04-19	Nov-04-19	Nov-04-19	Nov-04-19			RAN	Distribute to ESC - Controls
	Shop Drawing	SUB-078	Municipal Mechanical	Sump Pumps and Pits Shop Drawing	May-28-19	May-28-19	June-04-19	June-04-19	June-04-19				REV	Distribute to ESC - Controls
	Shop Drawing	SUB-141	Municipal Mechanical	Plumbing Fixtures	Oct-07-18	Oct-07-18	Oct-09-19	Oct-09-19	Oct-09-19	Oct-09-19			RAN	
	Shop Drawing	SUB-143	Municipal Mechanical	Interceptors and Mixing Valves Shop Drawing	Oct-07-18	Oct-07-18	Oct-09-19	Oct-09-19	Oct-09-19	Oct-09-19			RAN	
	Shop Drawing	SUB-143r1	Municipal Mechanical	Interceptors and Mixing Valves Shop Drawing	Oct-28-19	Oct-28-19	Oct-28-19	Oct-28-19	Oct-28-19	Oct-28-19			REV	
DIV 23														
23 00 10	Mechanical General Requirement		Municipal Mechanical											
23 00 20	Heating and Air Conditioning		Municipal Mechanical											
23 00 20	shop drawing	SUB-025	Municipal Mechanical	Runtal Radiator Shop Dwg & Color Chart	April-08-19	April-08-19	Oct-01-19	Oct-04-19	Oct-04-19	Oct-04-19			REV	Distribute to ESC - Controls
23 00 20	shop drawing	SUB-032	Municipal Mechanical	Heating and Air Conditioning - Boiler	April-24-19	April-25-19	Nov-04-19	Nov-04-19	Nov-04-19	Nov-04-19			RAN	Distribute to ESC - Controls
23 00 20	shop drawing	SUB-035	Municipal Mechanical	Variable Frequency Drives	April-26-19	April-26-19	Nov-04-19	Nov-04-19	Nov-04-19	Nov-04-19			RAN	Distribute to ESC - Controls
23 00 20	shop drawing	SUB-038	Municipal Mechanical	Expansion Tanks and Air Separators	April-26-19	April-26-19	Oct-01-19	Oct-04-19	Oct-04-19	Oct-04-19			REV	Distribute to ESC - Controls
23 00 20	shop drawing	SUB-076	Municipal Mechanical	RTU Shop Drawing	May-27-19	May-27-19	Sept-25-19	Sept-25-19	Sept-25-19	Sept-25-19			RAN	Distribute to ESC - Controls, CoreSlab, Mirage
23 00 20	shop drawing	SUB-099	Municipal Mechanical	HW Unit, Cabinet Heater & Convertors	July-04-19	July-04-19	Oct-01-19	Oct-04-19	Oct-04-19	Oct-04-19			REV	
23 00 20	shop drawing	SUB-121	Municipal Mechanical	Fans, Grilles, Silencer Shop Dwg	Aug-23-19	Aug-23-19	Oct-01-19	Oct-04-19	Oct-04-19	Oct-04-19			REV/REJ	
23 00 20	shop drawing	SUB-121r1	Municipal Mechanical	Fans, Grilles, Silencer Shop Dwg	Oct-07-19	Oct-07-19								
23 00 20	shop drawing	SUB-146	Municipal Mechanical	Louver Color Chart	Oct-09-19	Oct-10-19								
23 00 20	shop drawing		Municipal Mechanical	Convectors & Finned Tube Elements										
23 00 20	shop drawing	SUB-037	Municipal Mechanical	Water Meter System	April-26-19	April-26-19	Nov-04-19	Nov-04-19	Nov-04-19	Nov-04-19			RAN	
23 00 20	shop drawing	SUB-142	Municipal Mechanical	Insulation and fire stopping	Oct-07-19	Oct-07-19	Nov-04-19	Nov-04-19	Nov-04-19	Nov-04-19			RAN	
23 00 20	shop drawing	SUB-144	Municipal Mechanical	Unit Ventilator Shop Drawing	Oct-07-19	Oct-07-19	Nov-04-19	Nov-04-19	Nov-04-19	Nov-04-19			RAN	
23 00 20	shop drawing	SUB-152	Municipal Mechanical	Heat Tracing Shop Drawing	Nov-06-19	Nov-07-19	Nov-20-19	Nov-20-19	Nov-20-19	Nov-20-19			RAN	
23 00 30	Systems Testing and Balancing		Municipal Mechanical											
	Reports													
23 00 40	Air Handling and Distribution		Municipal Mechanical											
23 00 40	Product DataSheet		Municipal Mechanical	Fans, GRDs, Dampers, Silencers										see SUB-121
	Reports													
DIV 25														
25 00 00	Automatic Temperature Controls		ESC Automation Inc											Distribute to ESC - Controls
25 00 00	Automatic Temperature Controls	SUB-113	ESC Automation Inc	BAS Shop Drawing	July-25-19	July-25-19								
DIV 26														
Div 26	Shop Drawing Breakdown	SUB-011	CEC Services	Electrical Shop Drawing Log	March-18-19	March-18-19	April-24-19	April-24-19					REJ	Distribute to ESC - Controls
Div 26	Shop Drawing Breakdown	SUB-011r1	CEC Services	Electrical Shop Drawing Log										
Div 26	Shop Drawing	SUB-065	CEC Services	Fire Alarm Shop Drawing	May-21-19	May-21-19	July-24-19	July-24-19	July-24-19	July-24-19			RAN	
Div 26	Shop Drawing	SUB-066	CEC Services	Distribution Equipment Shop Drawing	May-21-19	May-21-19	July-04-19	July-04-19	July-04-19	July-04-19			RAN	

Div 26	Shop Drawing	SUB-067	CEC Services	Ladder Tray Shop Drawing	May-21-19	May-21-19	June-04-19	June-04-19				REJ
Div 26	Shop Drawing	SUB-067r1	CEC Services	Ladder Tray Shop Drawing	July-12-19	July-12-19	July-24-19	July-24-19	July-24-19	July-24-19		RAN
Div 26	Shop Drawing	SUB-068	CEC Services	Classroom Control Panel Shop Drawing	May-21-19	May-21-19	June-04-19	June-04-19	June-04-19			RAN
Div 26	Shop Drawing	SUB-069	CEC Services	Emergency Lighting Shop Drawing	May-21-19	May-21-19	June-04-19	June-04-19	June-04-19			RAN
Div 26	Shop Drawing	SUB-070	CEC Services	Lighting Control Shop Drawing	May-21-19	May-21-19	July-04-19	July-04-19	July-04-19	July-04-19		RAN
Div 26	Shop Drawing	SUB-071	CEC Services	PA Gym Sound Wireless Clock	May-21-19	May-21-19	July-24-19	July-24-19	July-24-19	July-24-19		RAN
Div 26	Shop Drawing	SUB-072	CEC Services	Security System Shop Drawing	May-21-19	May-21-19	June-04-19	June-04-19	June-04-19			RAN
Div 26	Shop Drawing	SUB-073	CEC Services	TVSS	May-21-19	May-21-19	June-04-19	June-04-19	June-04-19			RAN
Div 26	Shop Drawing	SUB-082	CEC Services	Transformer Shop Drawing	June-07-19	June-07-19	June-19-19	June-19-19	June-19-19	June-19-19		RAN
Div 26	Shop Drawing	SUB-108	CEC Services	Electrical Contactor Shop Drawing	July-16-19	July-16-19	July-22-19	July-22-19				REJ
Div 26	Shop Drawing	SUB-108r1	CEC Services	Electrical Contactor Shop Drawing	Oct-10-19	Oct-10-19	Oct-23-19	Oct-23-19	Oct-23-19	Oct-23-19		RAN
Div 26	Shop Drawing	SUB-120	CEC Services	Lighting Fixture Shop Drawing	Aug-15-19	Aug-15-19	Oct-23-19	Oct-23-19	Oct-23-19	Oct-23-19		RAN
Div 26	Shop Drawing	SUB-148	CEC Services	Interspec Shop Drawing	Oct-15-19	Oct-15-19	Oct-23-19	Oct-23-19	Oct-23-19	Oct-23-19		REJ
Div 26	Shop Drawing	SUB-148r1	CEC Services	Interspec Shop Drawing								
DIV 31												
31 14 13	Earth Stripping and stockpiling			Rockwell site Works								
31 22 13	rough grading			Rockwell site Works								
31 23 16	excavation			Rockwell site Works								
31 23 23	fill			Rockwell site Works								
31 23 33	trenching and back filling			Rockwell site Works								
DIV 32												
32 11 23	Aggregate base courses			Peltar								
32 12 16	Asphalt Paving			Peltar								
32 12 16	Asphalt Mix Design	SUB-157	Peltar	Asphalt Mix Design	Nov-22-19	Nov-22-19						
Closeout	Operation and Maintenance Data											
	Warranty - 1 years as per section 1.5											
32 13 15	concrete sidewalks, curbs and gutters			Peltar								
32 13 15	Concrete Mix Design	SUB-156	Peltar	Concrete Mix Design	Nov-22-19	Nov-22-19						
32 18 16.13	Playground Protective Surfacing											
	Inspection and Compaction of Subgrade											
	Samples											
	Testing											
Closeout	Operation and Maintenance Data											
	Warranty - 1 years as per section 1.5											
32 31 13	Chainlink Fences and Gates											
32 31 13	Product Data	SUB-132	Perfect Gates & Fences Inc.	Chainlink Fences and Gates Shop Dwg	Sept-16-19	Sept-16-19	Oct-22-19	Oct-22-19	Oct-22-19			REJ
32 31 13	Shop Drawings	SUB-132	Perfect Gates & Fences Inc.	Chainlink Fences and Gates Shop Dwg	Sept-16-19	Sept-16-19	Oct-22-19	Oct-22-19	Oct-22-19			REJ
32 31 13	Colour Chip Samples		Perfect Gates & Fences Inc.									
32 37 00	Site Furnishings											
	Product Data Sheets, Shop Drawings											
Closeout	Maintenance data and care											
32 37 00	3.1.1.1 - Benches	SUB-094	Maglin Site Furniture	Bench Shop Drawing & Color Chart	June-26-19	June-26-19						
32 37 00	3.1.1.1 - Benches	SUB-108	Maglin Site Furniture	Bench Color Sample	July-12-19	July-12-19	Nov-20-19	Nov-20-19	Nov-20-19			REV
32 37 00	3.1.1.2 - Play Equipment		Forum									
32 37 00	3.1.1.3 - Bike Racks	SUB-047	Forum	Bike Rack Shop Drawing								
32 37 00	3.1.1.4 - Planters		Forum									
32 37 00	3.1.1.5 - Basketball Equipment		Forum									
32 37 00	3.5 - Single Post Basketball Equipment	SUB-110	Dynamo - Supply only	Single Post Basketball Shop Drawing	July-17-19	July-17-19	July-24-19	July-24-19	July-24-19	July-24-19		REV
32 37 00	3.5 - Single Post Basketball Equipment	SUB-112	Dynamo - Supply only	Single Post Basketball Color Chart	July-22-19	July-23-19	Aug-15-19	Aug-15-19	Aug-15-19			RAN
32 91 19.13	topsoil placement and grading			Rockwell site Works								
32 92 23	Sodding											
32 93 10	trees, shrubs and ground cover planting											
Closeout	Maintenance During Warranty - As per 3.15											
DIV 33												
33 46 16	Landscape Subdrainage Piping											
33 46 16	Product Data Sheet											
Closeout Doc												
33 46 00	Subdrainage											
33 46 00	Shop Drawing	SUB-101	Torsan	CB+STM+SAN Structure	July-05-19	July-05-19	July-19-19	July-19-19	July-19-19	July-19-19		RAN
33 46 00	Shop Drawing	SUB-102	Torsan	CDS Stormwater Treatment	July-05-19	July-05-19	July-19-19	July-19-19	July-19-19	July-19-19		RAN
Closeout Doc												
Div 33	Shop Drawing	SUB-111	Torsan	Storm Retention System Shop Drawing	July-18-19	July-18-19	Oct-28-19	Oct-28-19	Oct-28-19	Oct-28-19		RAN

MISC												
SHORING	SHORING AND TIE-BACK SHORING		Pro-Caisision									
SHORING	Engineered Shop Drawings	SUB-009	Pro-Caisision	Shoring Layout, Key Plan & Schedule	March 18 2019	March 18 2019	N/A	N/A				REJ
SHORING	Engineered Shop Drawings	SUB-009R1	Pro-Caisision	Shoring Layout, Key Plan & Schedule	March 22 2019	March 22 2019	March 27 2019	March 27 2019				REJ
SHORING	Engineered Shop Drawings	SUB-009R2	Pro-Caisision	Shoring Layout, Key Plan & Schedule	April-10-19	April-10-19	April-18-19	April-18-19	April-18-19			REV
SHORING	Engineered Shop Drawings	SUB-009R3	Pro-Caisision	Shoring Layout, Key Plan & Schedule	July-26-19	July-26-19	Aug-14-19	Aug-14-19	Aug-14-19	Aug-14-19		RAN