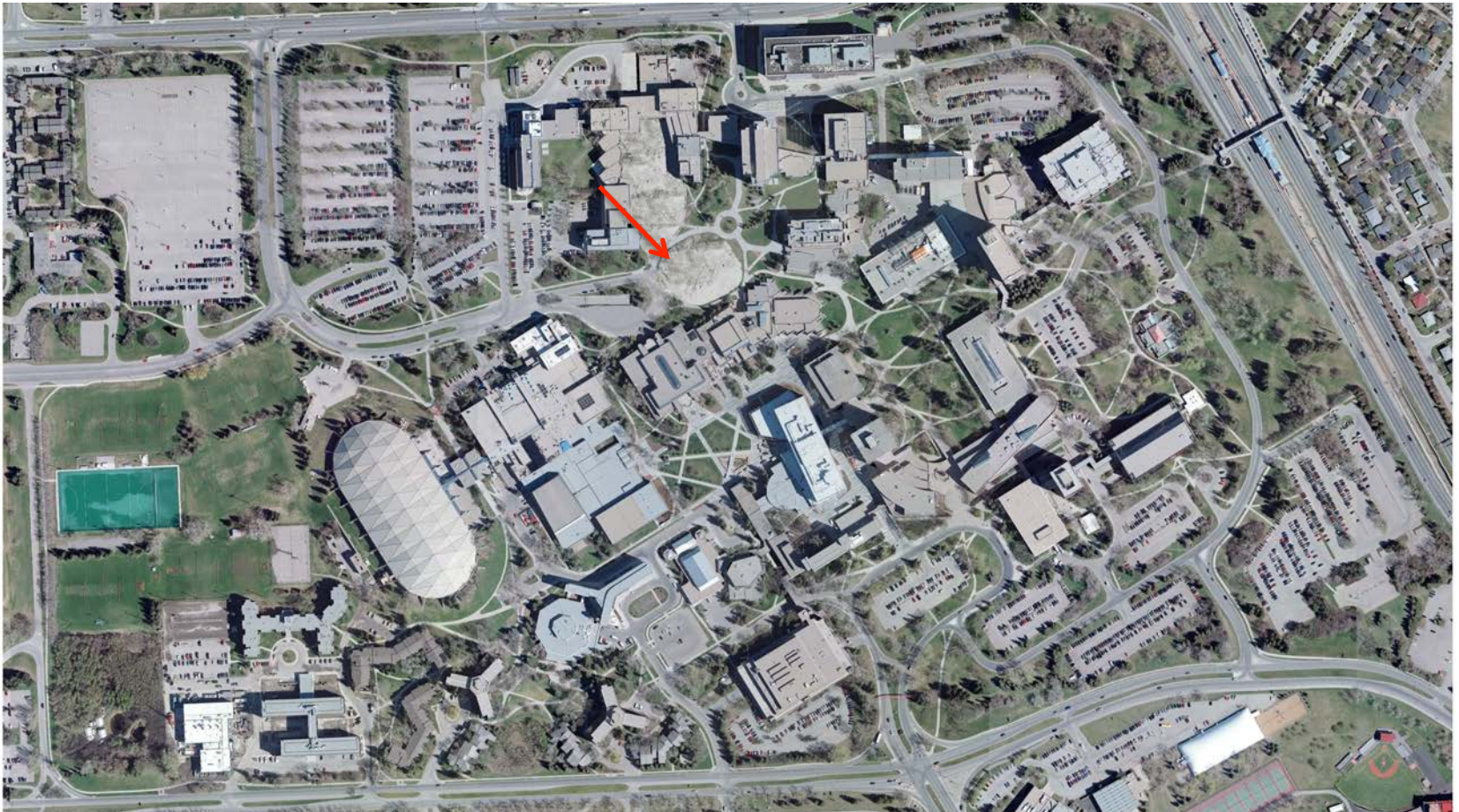


RECENTLY OPENED

TAYLOR INSTITUTE FOR TEACHING AND LEARNING

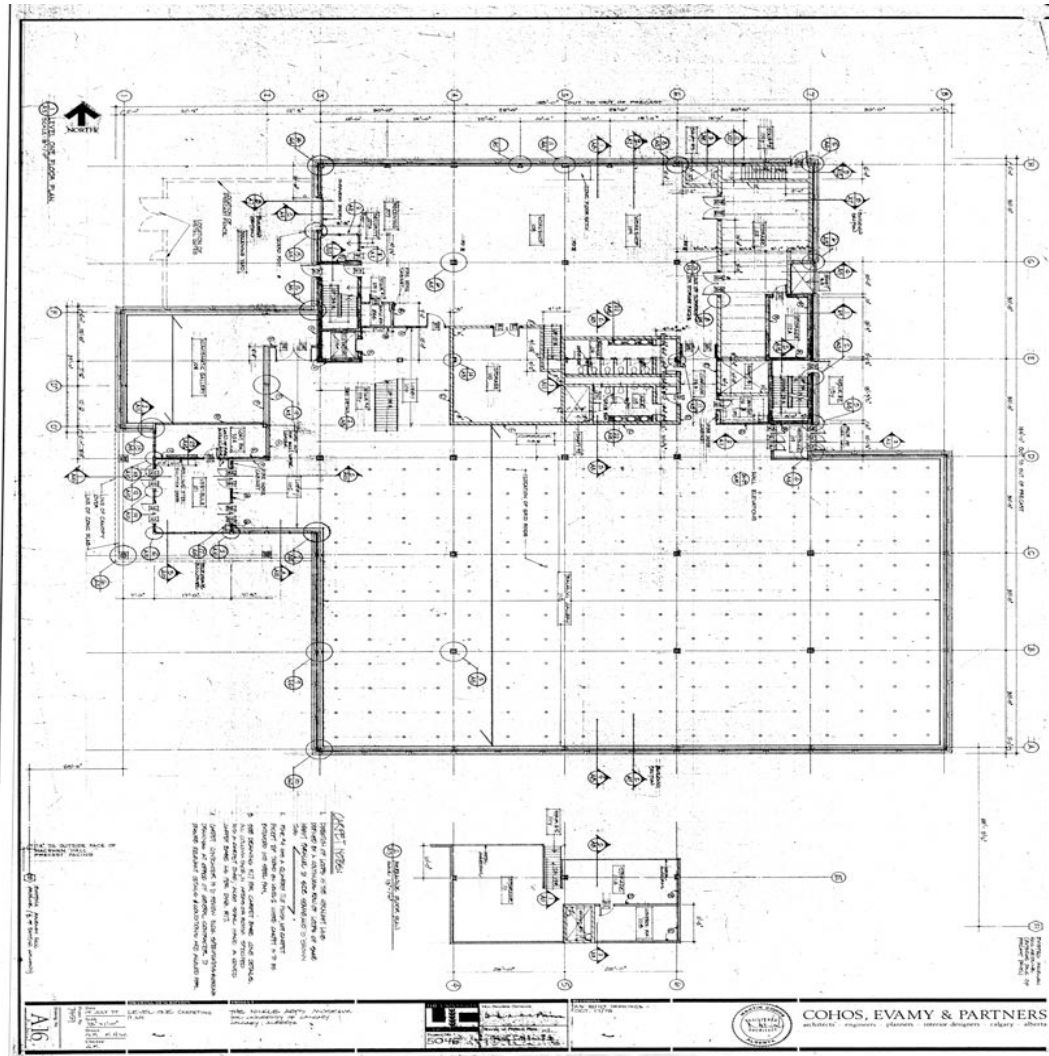
UNIVERSITY OF CALGARY

UNIVERSITY OF CALGARY



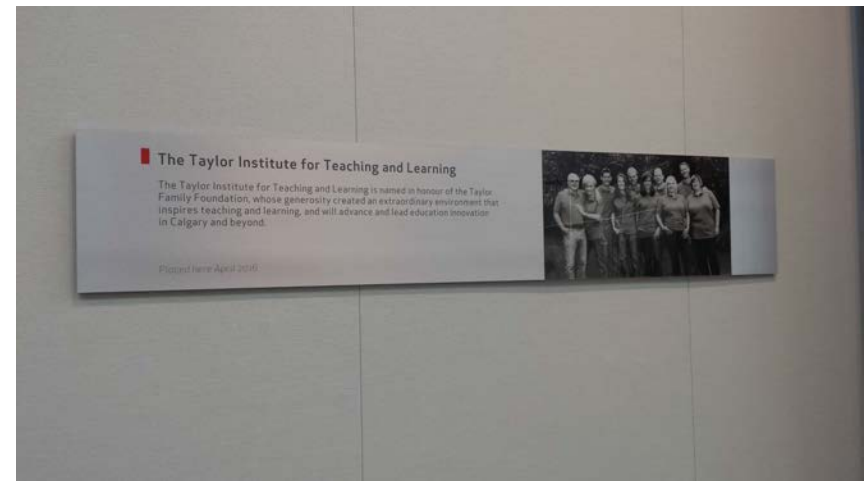
THE NICKLE ARTS MUSEUM





TIMELINE THAT HELPED THE TAYLOR INSTITUTE

- 2006 – Taylor Family gives \$25m for Taylor Family Digital Library and Taylor Family Quad
- 2009 – Taylor Family Digital Library opens with the Nickle Arts Museum inside it
- 2012 – University announces \$40m gift from the Taylor Family Foundation for the TI
- 2012 – Lynn Taylor is recruited from Dalhousie University to become Vice Provost for Teaching and Learning and establish the programs to be housed in TI. She is the academic sponsor.



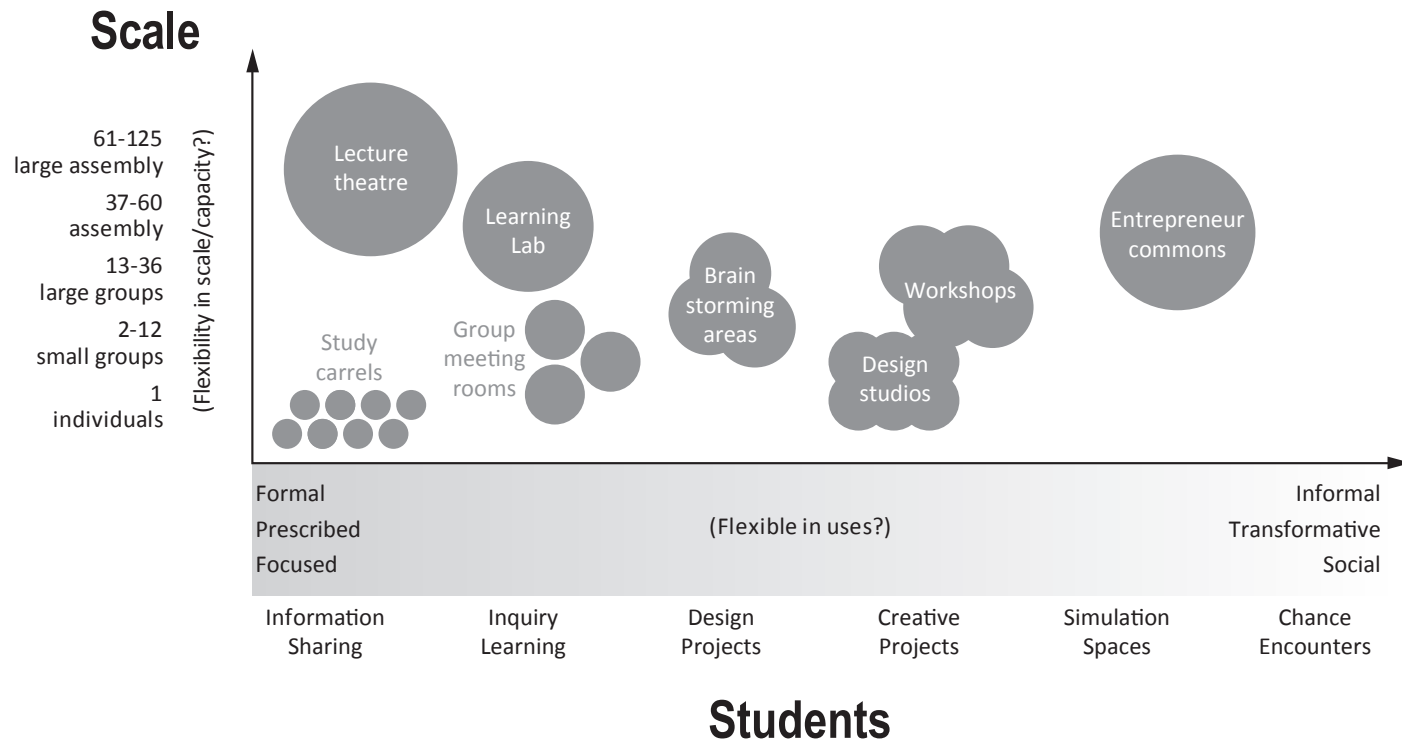
ASSEMBLING THE TEAM

Autumn 2012

- RFQ for prime consultants
- Narrowed 12 (?) down to 5 for RFP
- Three interviewed
- Chose sub-consultants with prime consultants
- Invited Project Managers to respond to RFP
- Invited Construction Managers to respond to RFP



ACADEMIC DRIVEN SPACE PROGRAM



Diamond Schmitt Architects

SPACE PROGRAM

Public Intellectual Forum		C	Seats	Area/Seat	600	300	150	75	37.5	18.75	9.375	4.6875	2.34375	1.171875	0.5859375	0.29296875	0.146484375	0.0732421875	0.03662109375	0.018310546875	0.0091552734375	0.00457763671875	0.002288818359375	0.0011444091796875	0.00057220458984375	0.000286102294921875	0.0001430511474609375	0.00007152557373046875	0.000035762786865234375	0.0000178813934326171875	0.00000894069671630859375	0.000004470348358154296875	0.0000022351741790771484375	0.00000111758708953857421875	0.000000558793544769287109375	0.0000002793967723846435546875	0.00000013969838619232177734375	0.000000069849193096160888671875	0.0000000349245965480804443359375	0.00000001746229827404022216796875	0.000000008731149137020111083984375	0.0000000043655745685100555419921875	0.00000000218278728425502777099609375	0.000000001091393642127513885498046875	0.0000000005456968210637569427490234375	0.00000000027284841053187847137451171875	0.000000000136424205265939235687255859375	0.0000000000682121026329696178436279296875	0.00000000003410605131648480892181396484375	0.000000000017053025658242404460906982421875	0.0000000000085265128291212022304534912109375	0.00000000000426325641456060111522674560546875	0.000000000002131628207280300557613372802734375	0.0000000000010658141036401502788066864013671875	0.00000000000053290705182007513940334320068359375	0.000000000000266453525910037569701671600341796875	0.0000000000001332267629550187848508358001708984375	0.00000000000006661338147750939242541790008544921875	0.000000000000033306690738754696212708950042724609375	0.0000000000000166533453693773481063544750213623046875	0.0000000000000083266726846886740531772375010681171875	0.00000000000000416333634234433702658861875053405859375	0.00000000000000208166817117216851329430937502670296875	0.00000000000000104083408558608425664715468750133546875	0.0000000000000005204170427930421283235773437500667734375	0.0000000000000002602085213965210641617886718750033388671875	0.000000000000000130104260698260532080894335937500166942896875	0.0000000000000000650521303491302660404471679687500083471458984375	0.0000000000000000325260651745651330202235839843750004173572921875	0.00000000000000001626303258728256651011179199218750002086786171875	0.00000000000000000813151629364128325505589599609375000104339308984375	0.0000000000000000040657581468206416275279479980468750000521696544921875	0.000000000000000002032879073410320813763973999023437500002608482724609375	0.00000000000000000101643953670516040688198699951171875000013042413623046875	0.00000000000000000050821976835258020344099349975585937500000652120681171875	0.0000000000000000002541098841762901017204967498779296875000003260603405859375	0.000000000000000000127054942088145050860248374938964843750000016303017029296875	0.00000000000000000006352747104407252543012418746948242187500000081515085145146484375	0.0000000000000000000317637355220362627150620937347412109375000000407575425727321875	0.00000000000000000001588186776101813135753104686737060546875000000203787712863609375	0.0000000000000000000079409338805090656787655234336853027343750000001018938564318046875	0.00000000000000000000397046694025453283938276171684265136718750000005094692821590234375	0.0000000000000000000019852334701272664196913808584213256835937500000025473464107951171875	0.000000000000000000000992616735063633209845690429210662841796875000000127367320539755859375	0.0000000000000000000004963083675318166049228452146053114208984375000000636836602698779296875	0.00000000000000000000024815418376590830246142260730265571044921875000003184183013493896484375	0.0000000000000000000001240770918829541512307113036513278552246093750000015920915067469482421875	0.00000000000000000000006203854594147
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remove the art



.....becomes an abatement project April 2013



.....down come the trees.....
out goes to communication....

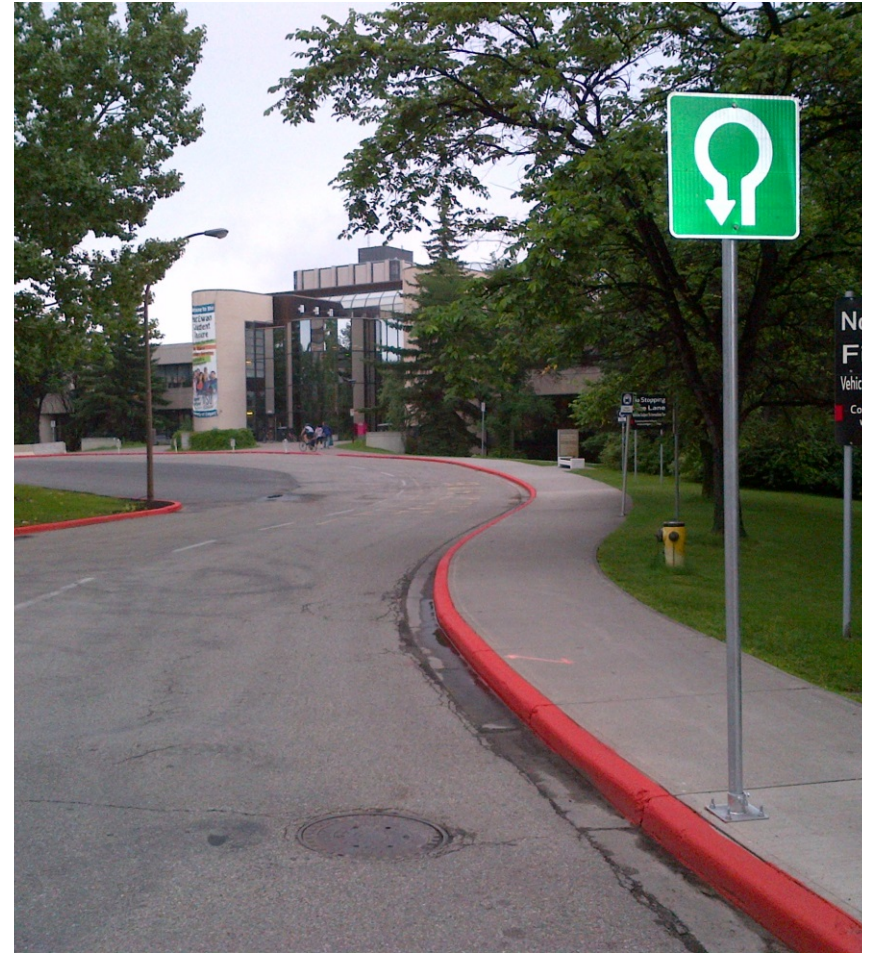


- Some trees around the old Nickle building will be taken down because of the construction. They will be mulched for use elsewhere on campus.
- University of Calgary's Grounds Maintenance and the project's landscape architect were consulted to ensure as few trees as possible are removed. Twenty-five trees will be impacted, some of which are near the end of their normal lifespans.
- In the fall, the campus community will have input into the development of the university's Landscape Master Plan. This plan will aim to replace trees and shrubs, like those affected by the construction, with native species in sustainable locations around campus.

...good bye asbestos



...truncate the loop to a turnabout



demolition begins August 2013



okay, we can see the steel structure now....



goners



Getting things rolling

*some of the most
innovative learning spaces
available anywhere in
North America.*

**COMPLETION
FALL 2015**

ucalgary.ca/itl

PROJECT FUNDING THANKS TO GENEROUS SUPPORT OF:
Taylor Family

CONSULTING TEAM

Diamond Schmitt with Gibbs Gage

Architectural Consultant

Entuitive

Structural Consultant

Emans Smith Andersen Engineering Ltd.

Mechanical Consultant

SMP Engineering

Electrical Consultant

O2 Design & Landscaping

Landscape Consultant

CONSTRUCTION MANAGEMENT
CANA

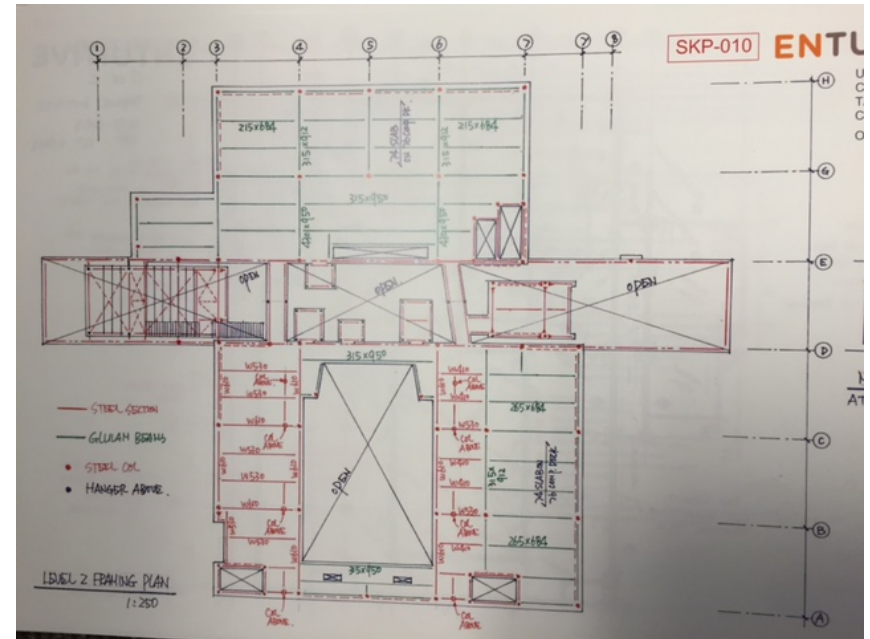
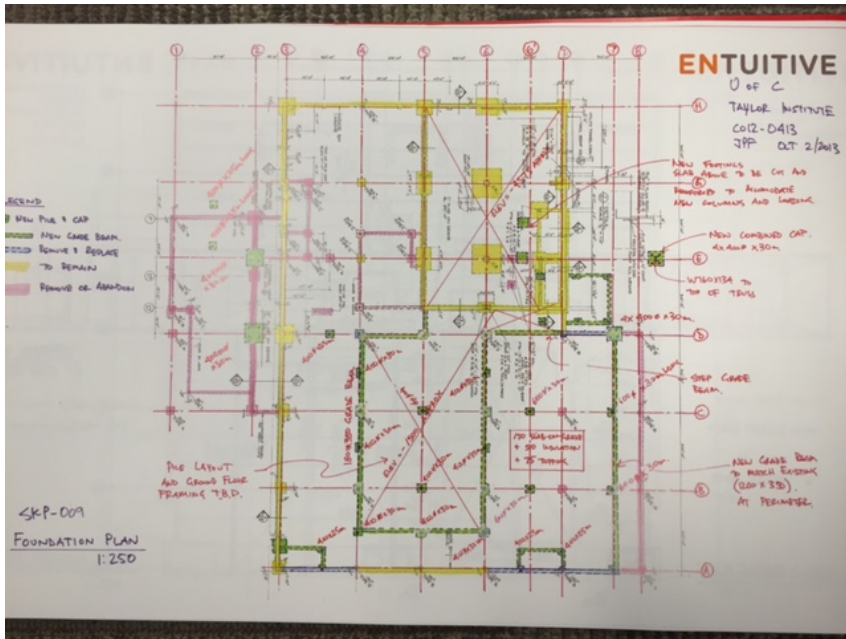
PROJECT MANAGEMENT
Bernelle



The University of Calgary has a clear strategic direction to become one of Canada's top five research universities by 2016, where innovative teaching and groundbreaking research go hand in hand, and where we fully engage the communities we both serve and lead. The strategy is called Eyes High, inspired by the university's Gaelic motto, which translates as 'I will lift up my eyes.'

*Continuously improving
our university.*

structural early studies



Schematic Design Ground Floor



C:\Revit_Files\1021-LipocTL-Building_aabbury.rvt

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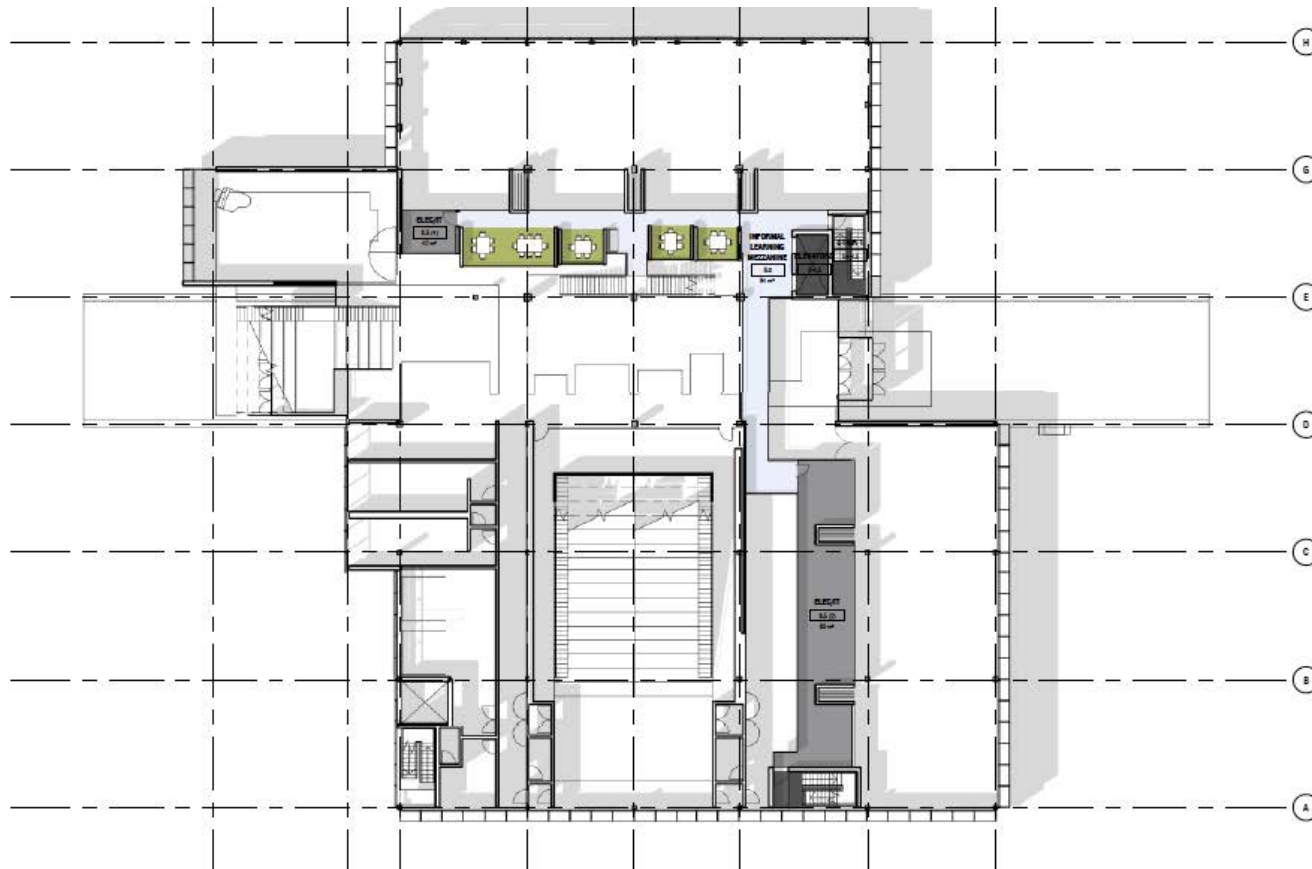
Taylor Institute for Teaching and Learning
University of Calgary

Schematic Design Draft - May 2, 2013

Cityscape Architects

LEVEL 1
1:300

Schematic Design Mezzanine Level



C:\Users\j\OneDrive\Documents\Taylor Institute\Building_Architectural\1.5

5/2/2013 3:50:01 PM

Taylor Institute for Teaching and Learning
University of Calgary

Schematic Design Draft - May 2, 2013

LEVEL 1.5 - MEZZANINE

1:300

5/2/2013 3:30:08 PM



Schematic Building Atrium Sections

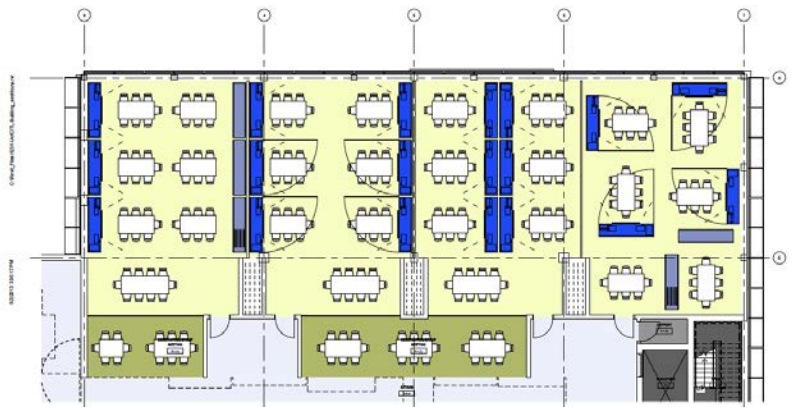


2 ATRIUM SECTION - E-W LOOKING NORTH
AD402 1:300



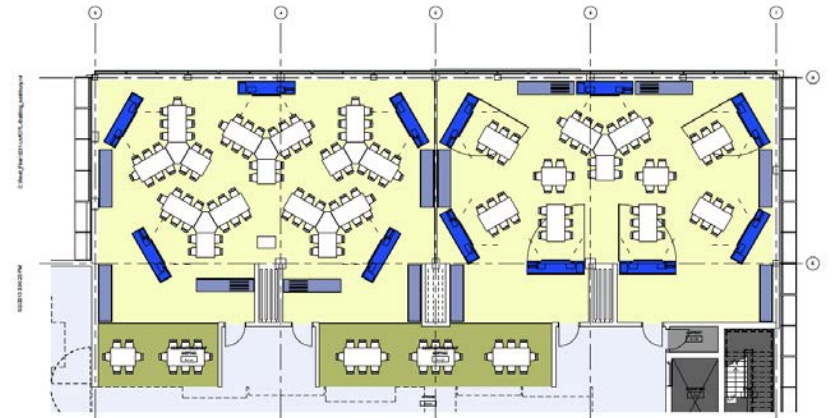
1 ATRIUM SECTION - E-W LOOKING SOUTH
AD402 1:300

TESTING ROOM CONFIGURATIONS



Taylor Institute for Teaching and Learning
University of Calgary
Schematic Design Date: May 1, 2013
Gibbs Gage Architects
300, 140 10th Avenue SE, Calgary, Canada T2G 0P7
Tel: 403.223.2000 Fax: 403.264.0575 info@gibbsgage.com www.gibbsgage.com
Diamond Schmitt Architects
300 Adelaide Street West, Suite 200, Toronto, Canada M5H 1B7
Tel: 416 962 8800 Fax: 416 962 8308 info@dsaa.ca www.dsaa.ca

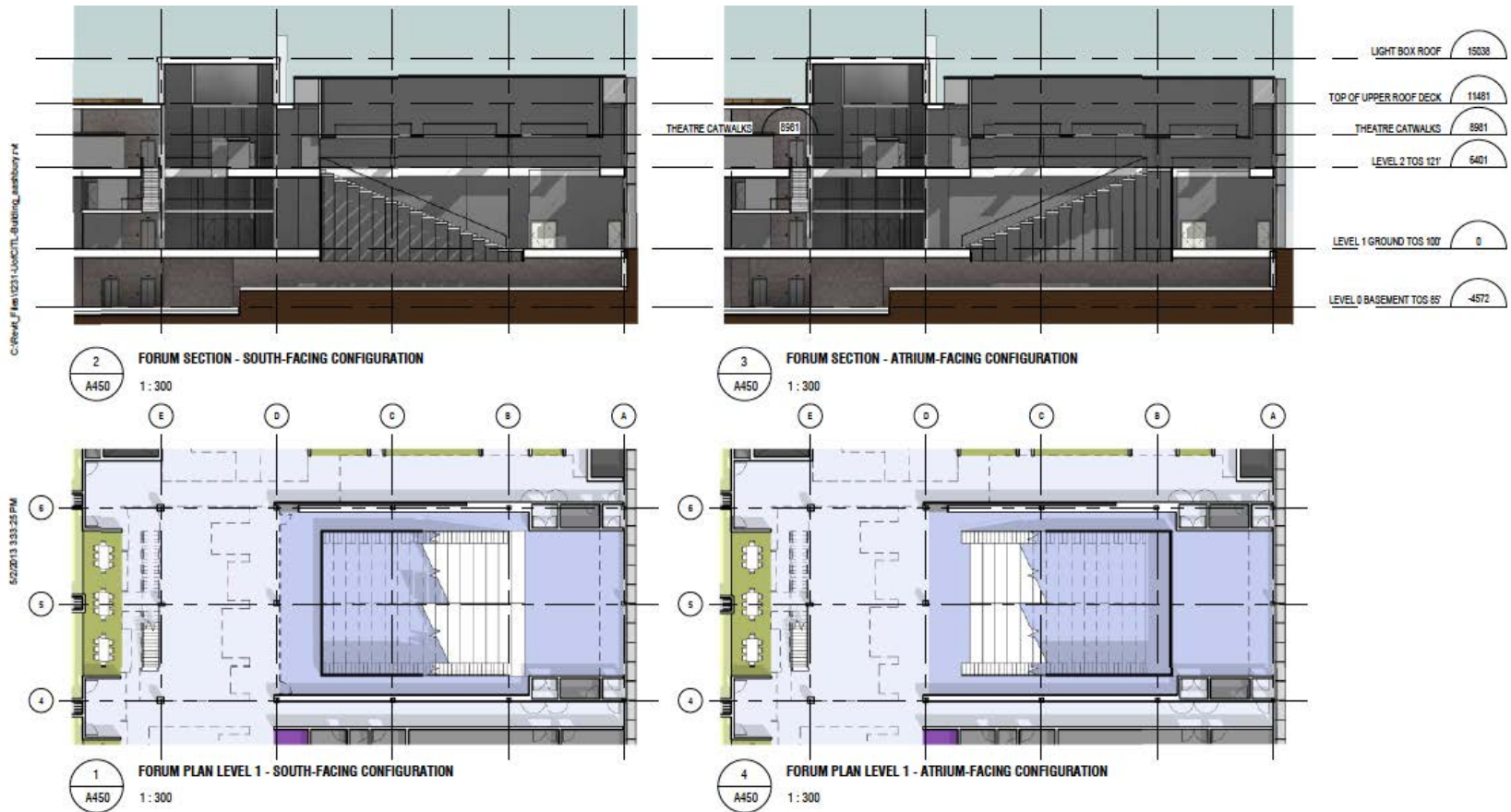
TEACHING CONFIGURATIONS STUDIES - SMALL GROUPS
1:100



Taylor Institute for Teaching and Learning
University of Calgary
Schematic Design Date: May 1, 2013
Gibbs Gage Architects
300, 140 10th Avenue SE, Calgary, Canada T2G 0P7
Tel: 403.223.2000 Fax: 403.264.0575 info@gibbsgage.com www.gibbsgage.com
Diamond Schmitt Architects
300 Adelaide Street West, Suite 200, Toronto, Canada M5H 1B7
Tel: 416 962 8800 Fax: 416 962 8308 info@dsaa.ca www.dsaa.ca

TEACHING CONFIGURATIONS STUDIES - DOUBLE INTEGRATED GROUPS
1:100

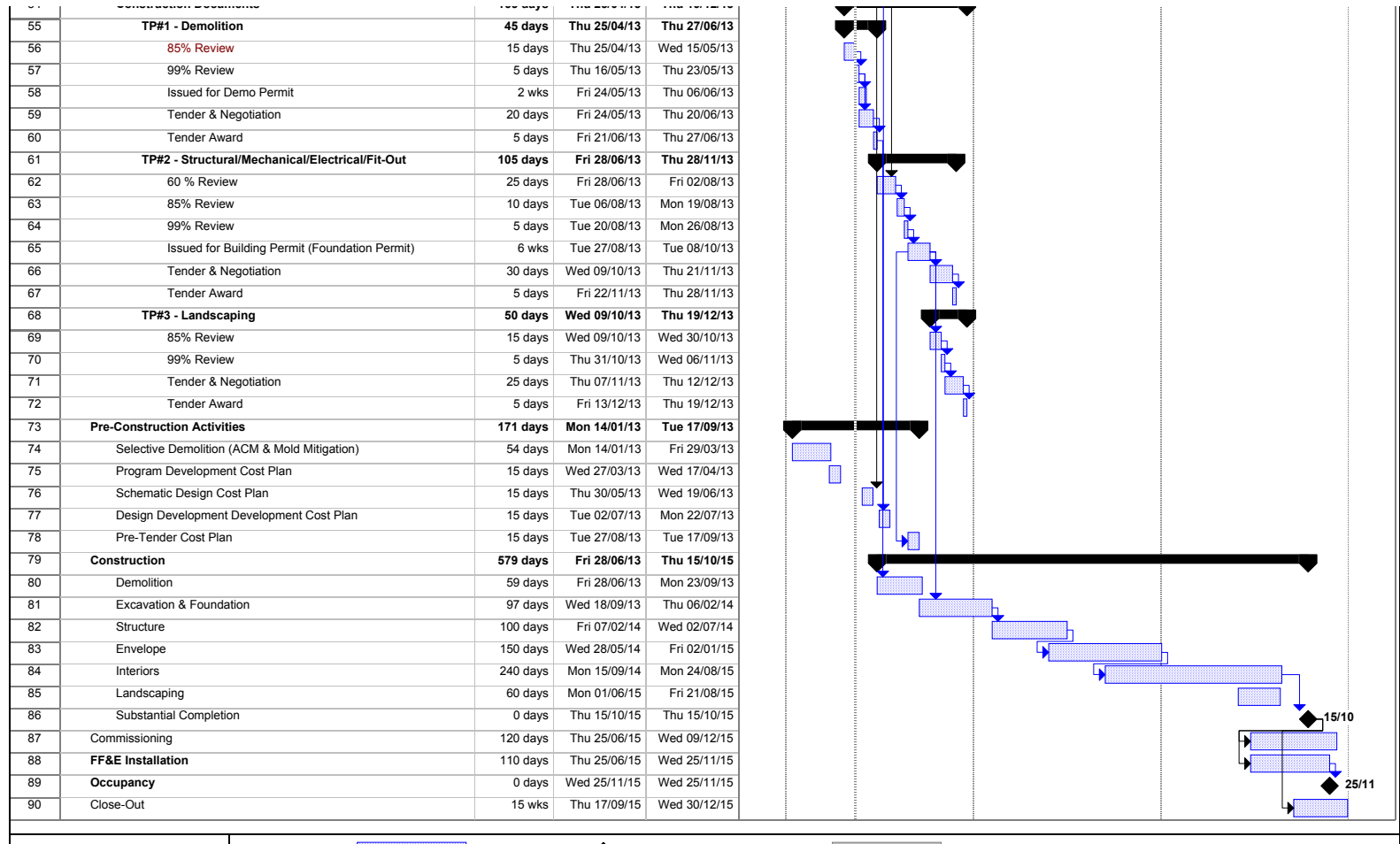
Designing the Forum



Early Renderings for Announcements

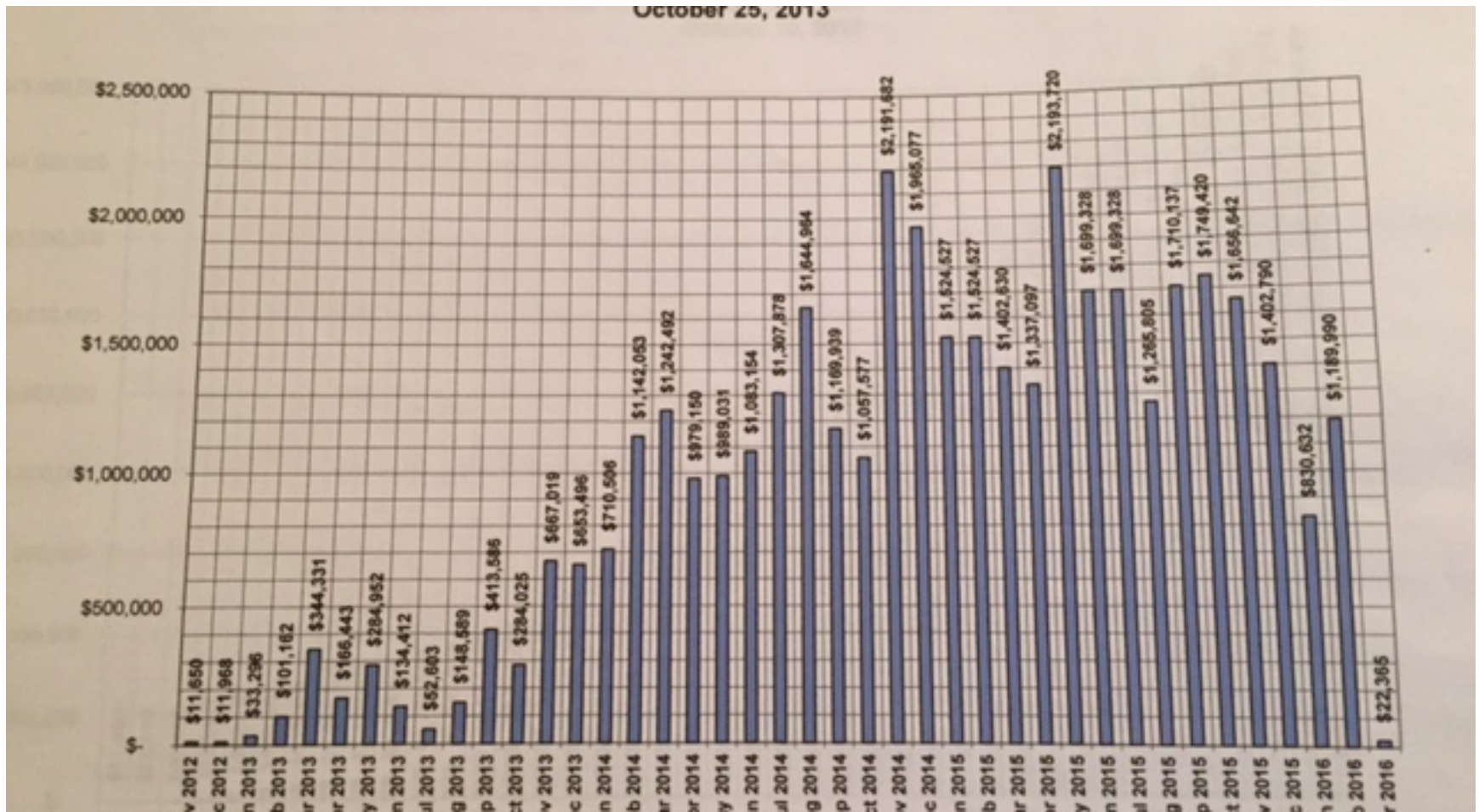


Ideal Schedule



CASH FLOW

October 25, 2015



Design Report...to cost from



Go/No Go

Number	Description	Cost	Category	Notes
1	Change Observations Room significant to GWA well assembly with patching window	\$6,260.00	maintenance	
2	Refurbish Air Intake Ductwork to be replaced with new particle board above ground level	\$1	mechanical	
3a	Change washroom partitions from Phenolic to metal	\$34,614.00		ASK-1 ASK-2 ASK-3 ASK-4 ASK-5
3b	Change washroom partitions from Phenolic to PVC	\$15,312.00	mechanical	
3c	Change washroom partitions from Phenolic to PVC	\$4,879.00	visual	UofC has accepted this deletion
3d	Change partitions from Ceiling hung to Overhead braced, floor mounted partitions	\$168,242.00	function	UofC has accepted this deletion
4	Delete wood bench - replace with drywall or rad cabinet	\$1,200.00	function	UofC has accepted this deletion
5a	Strategic wood panel reduction in Forum	\$75,000.00	function	UofC has accepted this deletion
5b	Strategic wood panel reduction 2nd floor meeting rooms	\$1	Acoustic	UofC has accepted this deletion
6a	Reduce theatrical lighting in Forum	\$1	Acoustic	UofC has accepted this deletion
6b	Further lighting reductions - cost savings incorporated into 6a	\$1	Acoustic	UofC has accepted this deletion
7	Eliminate folding glass door at second floor meeting rooms	\$4,600.00	Acoustic	UofC has accepted this deletion
8	Eliminate folding glass door at second floor meeting rooms	\$7,018.00	Acoustic	UofC has accepted this deletion
9	Eliminate all four Sound and Light Locks on 2nd floor of forum	\$0.00	Acoustic	UofC has accepted this deletion
10	Eliminate Sidelights all offices	\$50,720.00	visual	UofC has accepted this deletion
11	Replace all C2 and C3 with Specified Acoustical product	\$138,350.00	visual	UofC has accepted this deletion
12a	Replace C2 (claro) ceilings in ADMINISTRATION areas with C1 ceiling	\$10,270.00	visual	UofC has accepted this deletion
12b	Replace C2 (claro) ceilings in INSTRUCTIONAL areas with C1 ceiling	\$12,550.00	visual	UofC has accepted this deletion
12c.1	Replace C2 (claro) ceilings in PUBLIC areas and GALLERY with C1 ceiling	\$10,270.00	visual	UofC has accepted this deletion
12c.2	Replace C2 (claro) ceilings in PUBLIC areas and GALLERY with C1 ceiling	\$12,550.00	visual	UofC has accepted this deletion
12d	Replace C2 and C3 (claro) ceilings in PUBLIC areas and GALLERY with C1 ceiling	\$10,270.00	visual	UofC has accepted this deletion
12e	Replace C2 and C3 (claro) ceilings in PUBLIC areas and GALLERY with C1 ceiling	\$12,550.00	visual	UofC has accepted this deletion

**TAYLOR INSTITUTE FOR TEACHING AND LEARNING
OVER-BUDGET CONDITION**

TP1#1,2, 3 & 4 over-budget	-\$ 1,403,166.00
TP#4 Cost Savings	\$ 810,043.00

Excluding Landscaping
Revision # 4 - June 26, 2014

Current Over-budget Condition	-\$ 593,123.00
--------------------------------------	-----------------------

1. Tender Package #4 - Recommendations for Contract Award issued for owner's approval.
2. TP#4 Targetted Cost Savings - Revision #4 - owner's approval
3. Landscaping Tender: One bid received considerably over budget. Tender to be cancelled. New preliminary Design and VE items to bring project within budget reviewed with O2 and GGA on June 26, 2014.
Re-Tender for Landscaping out in January/February 2015. Forecast for this Tender \$ 365,000.00 X 1.05% for Escalation 2015.

Yeeesh

<div> <div>CANA</div> <div> <div>PROJECT: Taylor Institute - Schematic Design</div> <div>DATE: August 1, 2013</div> </div> </div>														
<div> <div>TOTAL GROSS FLOOR AREA:</div> <div>4,681 M2</div> <div>50,372 FT2</div> </div>														
<div> <div>RECONCILED ESTIMATE WITH ACCEPTED VE SAVINGS - AUGUST 1/13</div> </div>														
<div> <div>OVERALL SUMMARY</div> </div>														
WORK DIVISION	DESCRIPTION	TOTAL COST	COST / FT2	% OF BASE COST	Premium For ENVELOPE 1	Premium For CENTRAL SPINE 2	Premium For GALA SYSTEM 3	Premium For MEZZANINE 5	TURNAROUND 6	NORMALISED BLDG COST	COST / FT2	% OF BASE COST		
01	GENERAL REQUIREMENTS	\$ 3,530,538	\$ 70.09	15.41%	\$ 19,174	\$ 30,927	\$ 34,439	\$ 28,455	\$ 3,333	\$ 3,414,211	\$ 67.78	17.23%		
02	SITEWORK	\$ 1,248,237	\$ 24.78	5.45%	\$ 6,160	\$ -	\$ 5,418	\$ 15,000	\$ 155,163	\$ 1,066,496	\$ 21.17	5.38%		
03	CONCRETE	\$ 931,059	\$ 18.48	4.06%	\$ 96,726	\$ -	\$ 35,297	\$ -	\$ -	\$ 799,035	\$ 15.86	4.03%		
04	MASONRY	\$ 75,390	\$ 1.50	0.33%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,390	\$ 1.50	0.38%		
05	METALS	\$ 2,279,723	\$ 45.26	9.95%	\$ -	\$ 324,825	\$ -	\$ 45,207	\$ -	\$ 1,909,691	\$ 37.91	9.64%		
06	WOOD & PLASTICS	\$ 1,105,151	\$ 21.94	4.82%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,105,151	\$ 21.94	5.58%		
07	THERMAL & MOISTURE PROTECTION	\$ 1,420,893	\$ 28.21	6.20%	\$ 58,212	\$ -	\$ -	\$ -	\$ -	\$ 1,362,681	\$ 27.05	6.88%		
08	DOORS AND WINDOWS	\$ 3,271,961	\$ 64.96	14.28%	\$ 418,328	\$ 609,784	\$ -	\$ 3,000	\$ -	\$ 2,240,849	\$ 44.49	11.31%		
09	FINISHES	\$ 1,267,759	\$ 25.17	5.53%	\$ -	\$ -	\$ -	\$ 18,493	\$ -	\$ 1,249,266	\$ 24.80	6.30%		
10	SPECIALTIES	\$ 629,531	\$ 12.50	2.75%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 629,531	\$ 12.50	3.18%		
11	EQUIPMENT	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%		
12	FURNISHINGS	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%		
13	SPECIAL CONSTRUCTION	\$ 1,000,000	\$ 19.85	4.37%	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	0.00%		
14	CONVEYING SYSTEMS	\$ 230,000	\$ 4.57	1.00%	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ 220,000	\$ 4.37	1.11%		
15	MECHANICAL	\$ 2,707,328	\$ 53.75	11.82%	\$ -	\$ -	\$ -	\$ 33,333	\$ -	\$ 2,673,994	\$ 53.09	13.49%		
16	ELECTRICAL	\$ 2,373,291	\$ 47.12	10.36%	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ 2,348,291	\$ 46.62	11.85%		
17	CONSTRUCTION MANAGEMENT FEE	3.00% \$ 558,460	\$ 11.09	2.44%	\$ 17,383	\$ 28,038	\$ 31,221	\$ 4,501	\$ 4,655	\$ 472,661	\$ 9.38	2.39%		
17	OWN FORCES WORK FEE	4.50% \$ 204,679	\$ 4.06	0.89%	\$ 6,371	\$ 10,276	\$ 11,443	\$ 1,650	\$ 1,706	\$ 173,234	\$ 3.44	0.87%		
81	CASH ALLOWANCES & OTHER COSTS	\$ 75,000	\$ 1.49	0.33%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 1.49	0.38%		
BASE CONSTRUCTION COST (excludes GST)		\$ 22,909,000	\$ 454.80	100.00%	\$ 622,353	\$ 1,003,851	\$ 1,117,818	\$ 184,639	\$ 164,857	\$ 19,815,482	\$ 393.38	100.00%		
19	Design Contingency	8.0% \$ 1,832,720	\$ 36.38		\$ 57,046	\$ 92,014	\$ 102,461	\$ 14,771	\$ -	\$ 1,566,428	\$ 31.10			
19	Construction Contingency	8.0% \$ 1,832,720	\$ 36.38		\$ 57,046	\$ 92,014	\$ 102,461	\$ 14,771	\$ -	\$ 1,566,428	\$ 31.10			
19		0 0.00% \$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
TOTAL CONTINGENCY		\$ 3,665,440	\$ 72.77		\$ 114,092	\$ 184,029	\$ 204,922	\$ 29,542	\$ -	\$ 3,132,856	\$ 62.19			
OWNER COSTS		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
TOTAL CONSTRUCTION COST (excl. GST)		\$ 26,574,440	\$ 527.57		\$ 736,445	\$ 1,187,879	\$ 1,322,740	\$ 214,181	\$ 164,857	\$ 22,948,338	\$ 455.58			
					\$ -	\$ -	\$ -	\$ -	\$ -					
					\$ -	\$ -	\$ -	\$ -	\$ -					

...we are keeping this basement why?



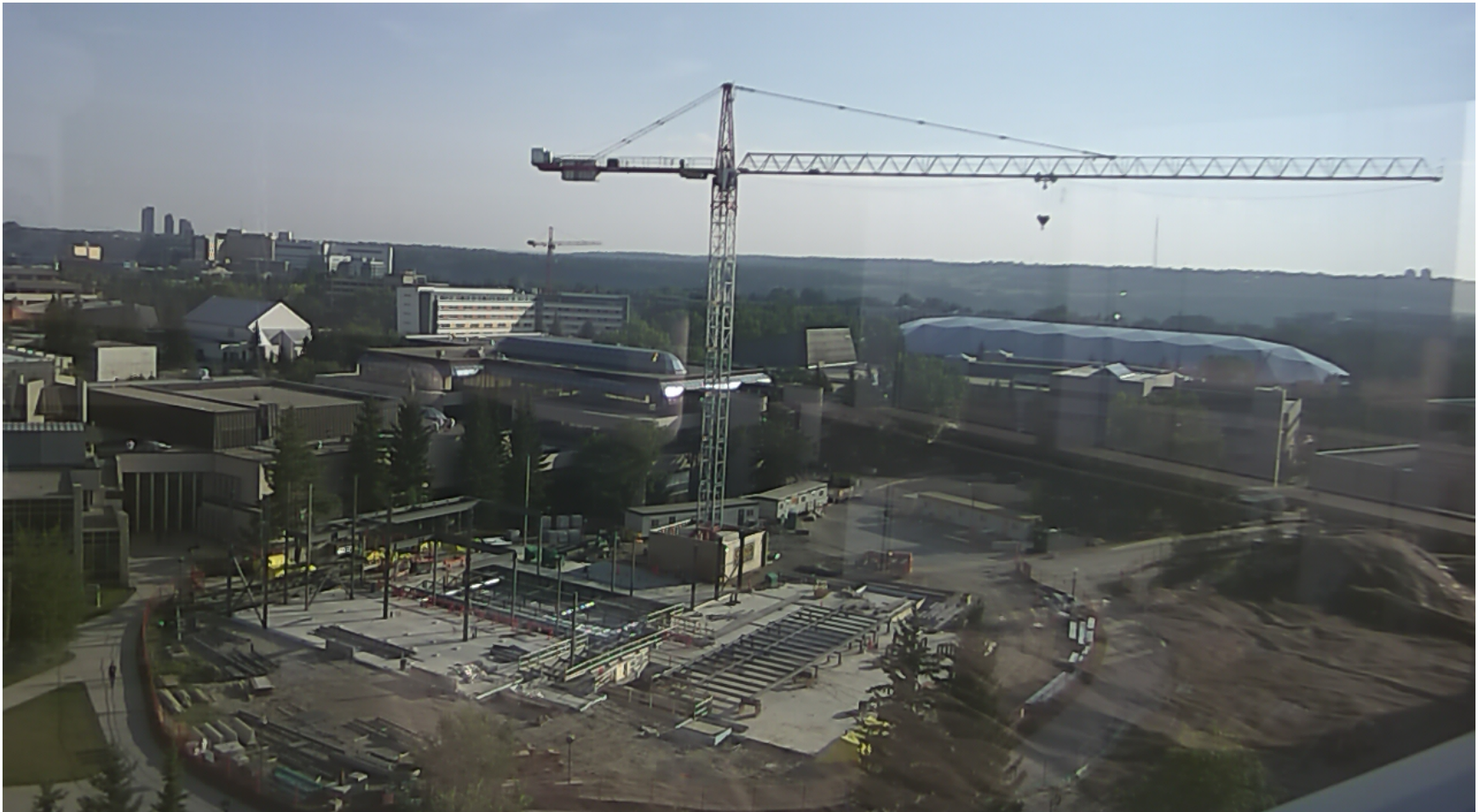
view from the crane...yes Larry sweeps the site



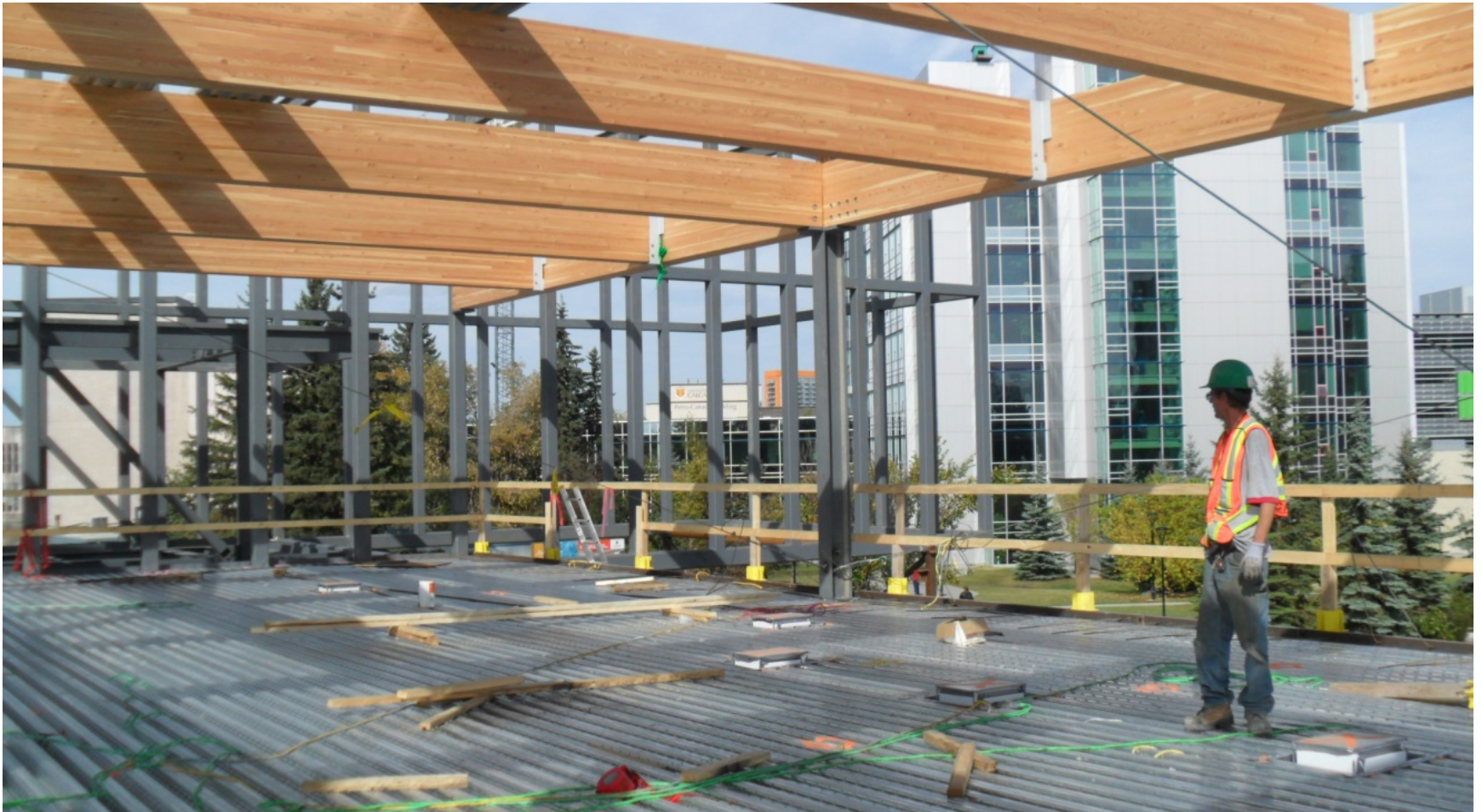
preparing for concrete at forum plenum



...truss arrives



glulam beams go in...



snow??!!!



west gallery wall fins are whaaaat?



...envelope underway



....supporting drywall, speakers, lights
.....whose got this covered?



rethink the air intake tube...



...the *right* choice to place main data room in mezzanine





forum ceiling took a few tries



...mow strip essential



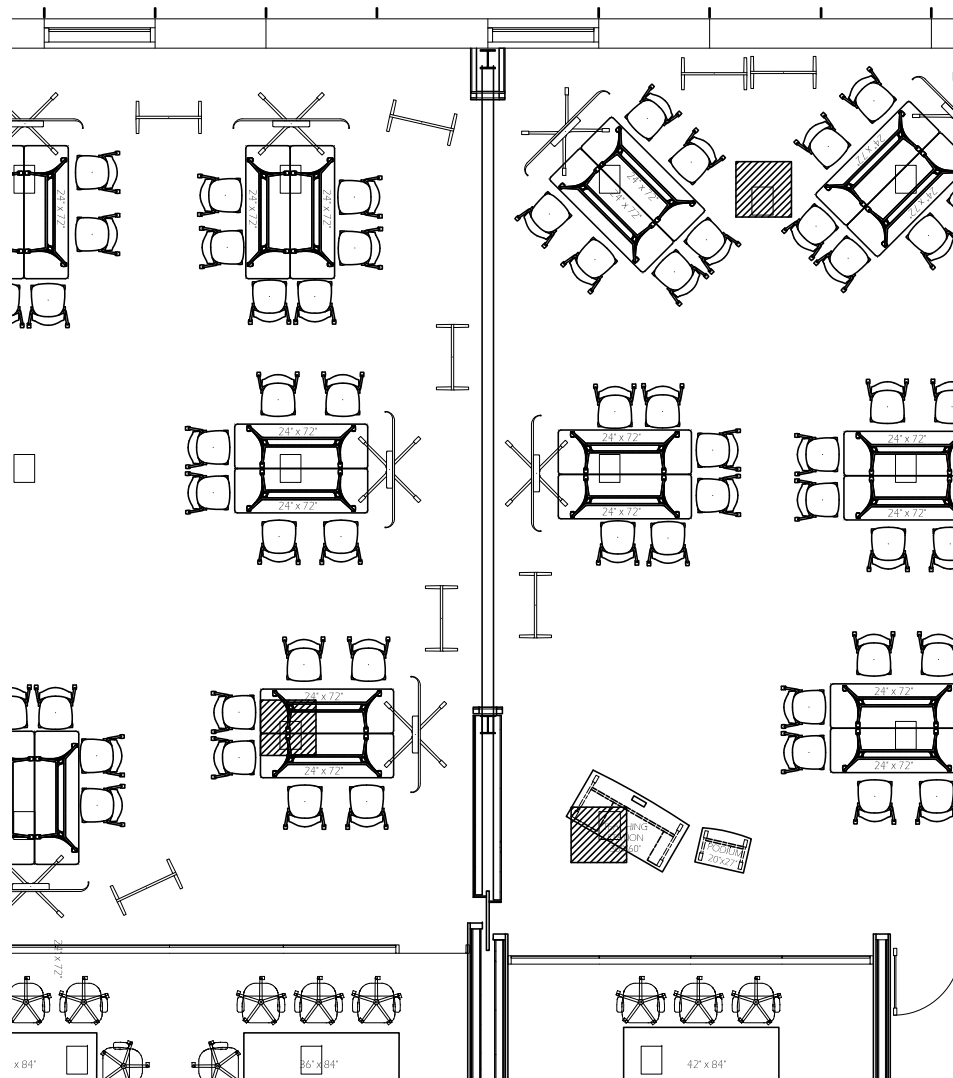
acoustic panel installation



starting to come together



furniture every which way....

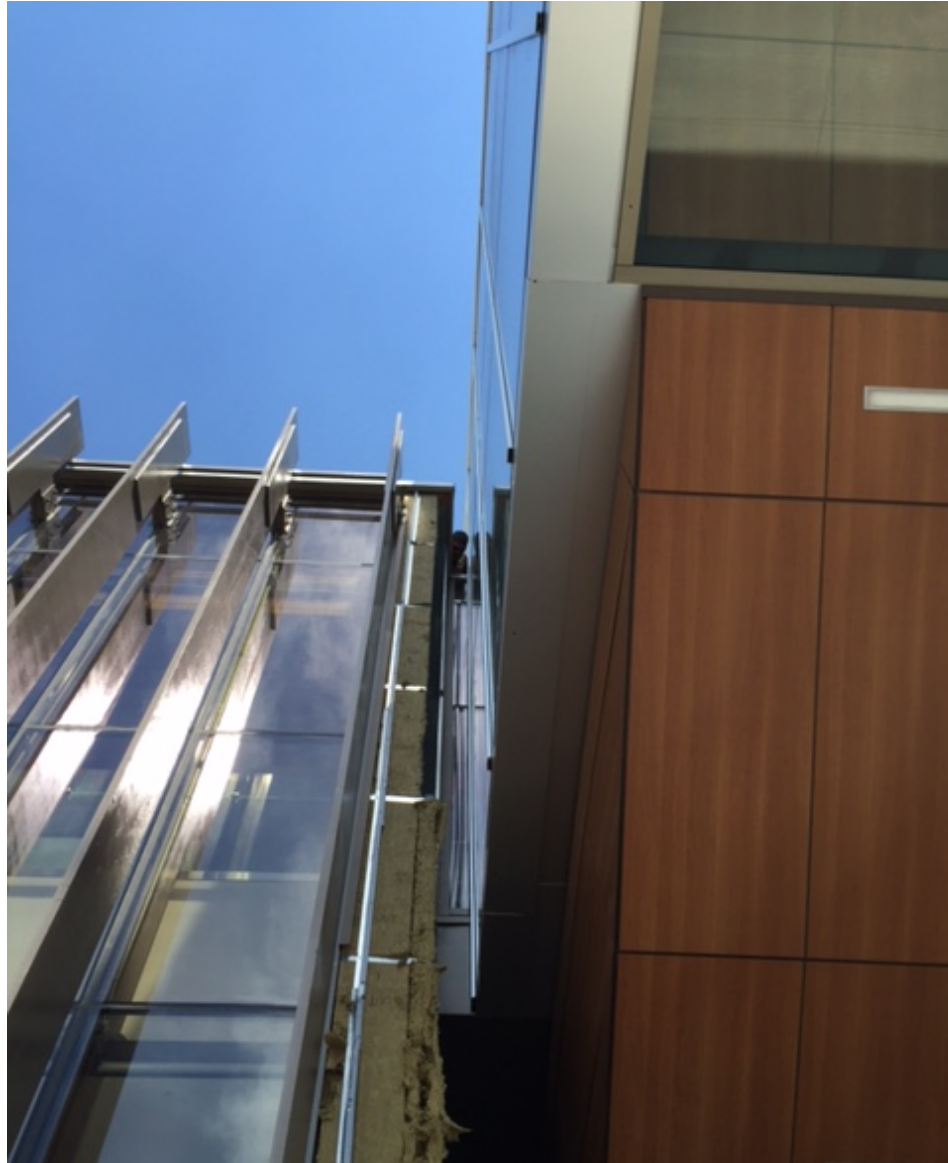


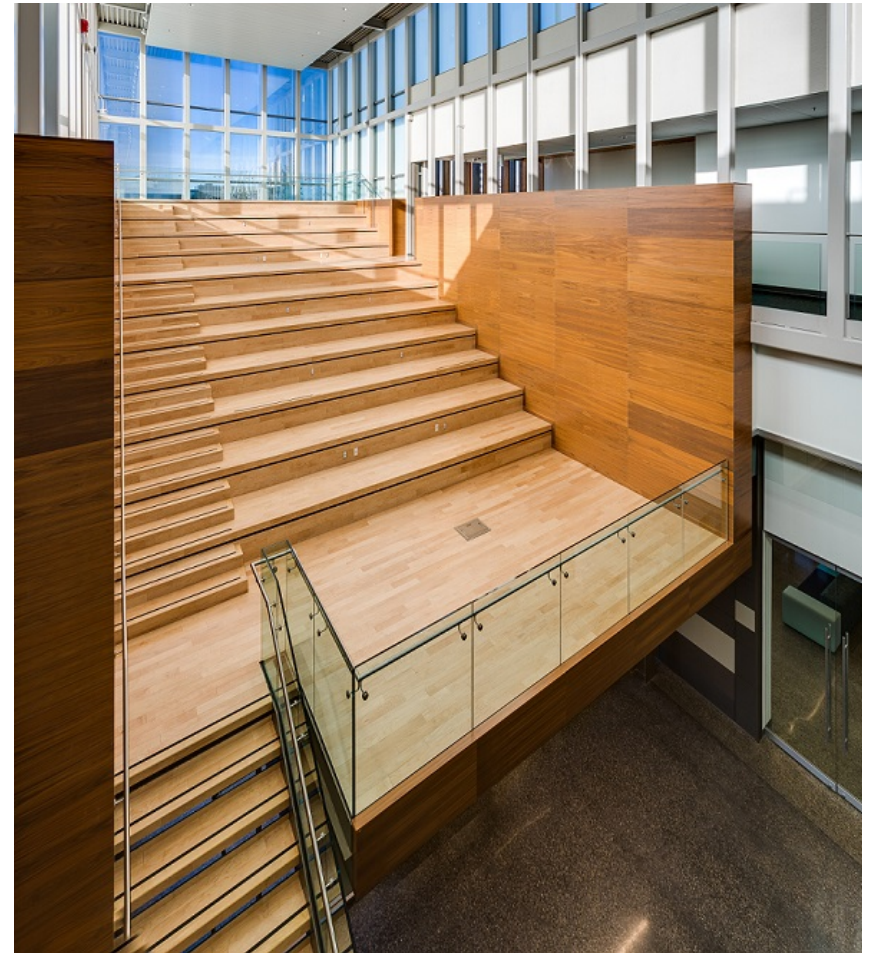
tours..... managing expectations



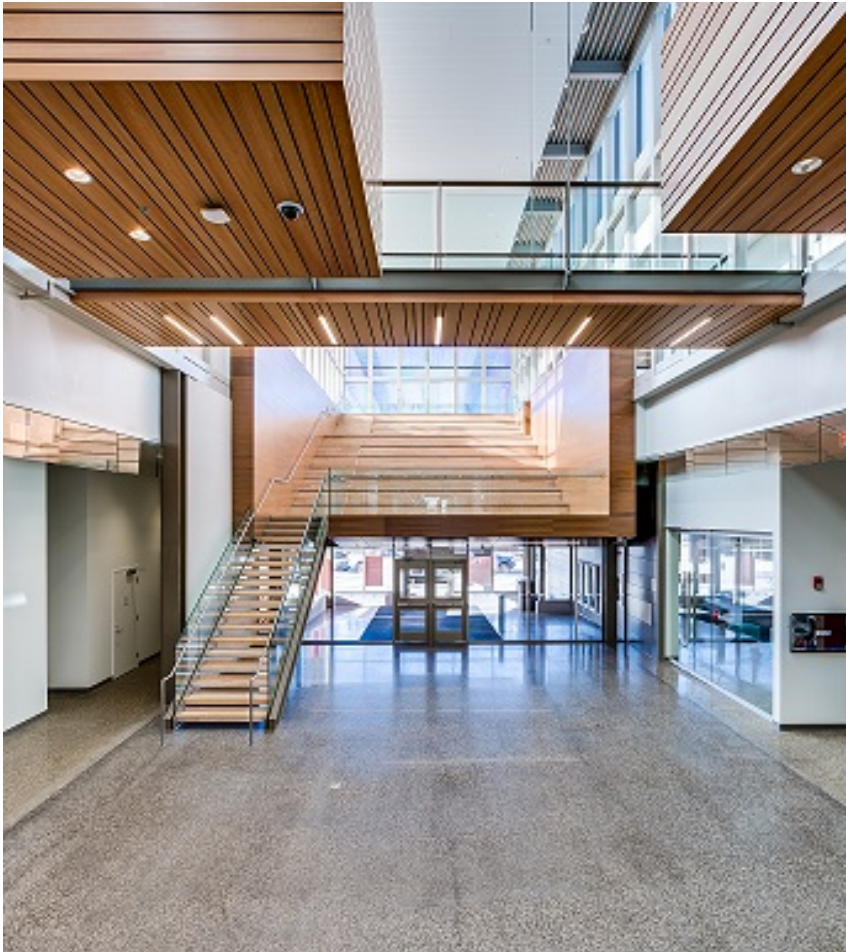
Its all about the people











upper west gallery



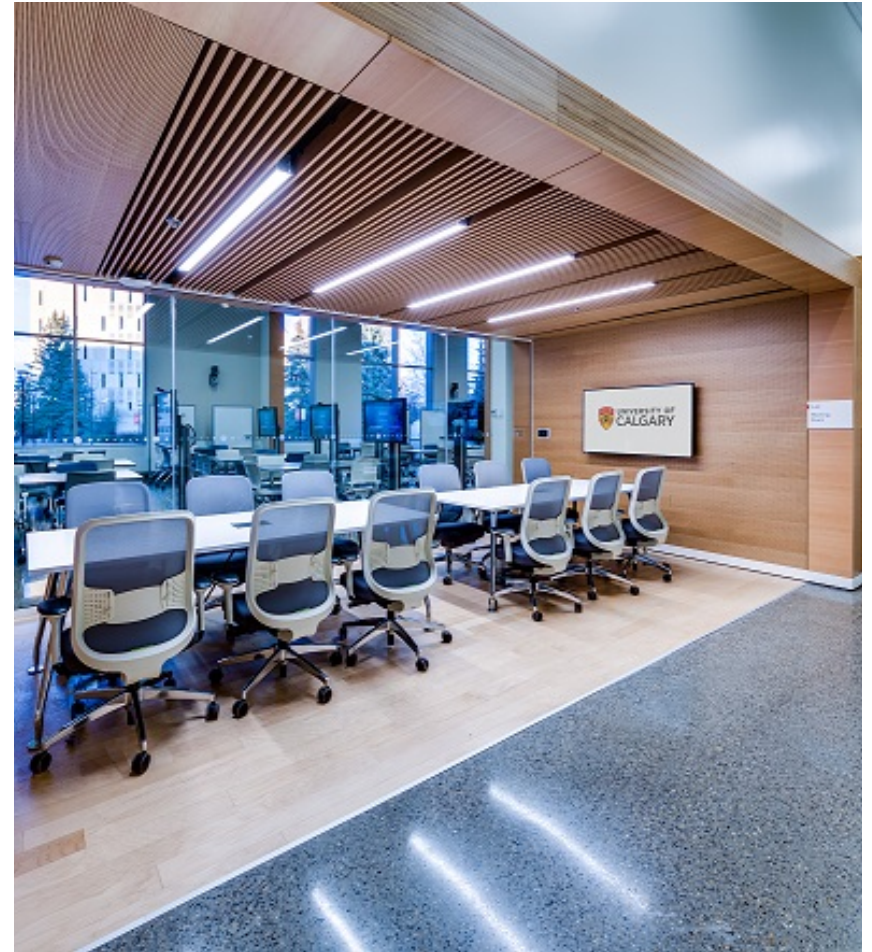
the forum



teaching + learning spaces



staff space + observation spaces



Thank you!



