

FORM

Lakehead
UNIVERSITY

SPECIFICATION

Lakehead University
Law School / PACI
Furniture Tender
Thunder Bay, Ontario


Project No: 2012001b

Date: February 2013

Set No.

FORM ARCHITECTURE
ENGINEERING

BETTER PLACES FOR PEOPLE
www.formarchitecture.ca

<p>ARCHITECT</p>		<p>Responsible for all or part of Sections in the following Divisions:</p> <table border="0"> <tr> <td>Division 0</td> <td>Division 10</td> </tr> <tr> <td>Division 1</td> <td>Division 11</td> </tr> <tr> <td>Division 2</td> <td>Division 12</td> </tr> <tr> <td>Division 4</td> <td>Division 13</td> </tr> <tr> <td>Division 5</td> <td>Division 14</td> </tr> <tr> <td>Division 6</td> <td>Division 32</td> </tr> <tr> <td>Division 7</td> <td>Division 33</td> </tr> <tr> <td>Division 8</td> <td></td> </tr> <tr> <td>Division 9</td> <td></td> </tr> </table>	Division 0	Division 10	Division 1	Division 11	Division 2	Division 12	Division 4	Division 13	Division 5	Division 14	Division 6	Division 32	Division 7	Division 33	Division 8		Division 9	
Division 0	Division 10																			
Division 1	Division 11																			
Division 2	Division 12																			
Division 4	Division 13																			
Division 5	Division 14																			
Division 6	Division 32																			
Division 7	Division 33																			
Division 8																				
Division 9																				
<p>STRUCTURAL ENGINEER</p>		<p>Responsible for all or part of Sections in the following Divisions:</p> <ul style="list-style-type: none"> Division 0 Division 1 Division 3 Division 4 Division 5 Division 32 																		
<p>MECHANICAL ENGINEER</p>		<p>Responsible for all or part of Sections in the following Divisions:</p> <ul style="list-style-type: none"> Division 0 Division 1 Division 20 Division 21 Division 22 Division 23 Division 24 Division 25 																		
<p>ELECTRICAL ENGINEER</p>		<p>Responsible for all or part of Sections in the following Divisions:</p> <ul style="list-style-type: none"> Division 0 Division 1 Division 26 Division 27 Division 28 																		

END OF SECTION

TABLE OF CONTENTS

Pages

Division 00 - Procurement and Contracting Requirements

Section 00 01 07 - Seals Page.	1
Section 00 01 10 - Table of Contents.	1
Section 00 01 15 - List of Drawings.. . . .	1
Section 00 21 13 - Instructions to Bidders.. . . .	9
Section 00 41 10 - Furniture Package Bid Form.. . . .	5

Division 01 - General Requirements

Section 01 11 00 - Summary of Work.	2
Section 01 14 00 - Work Restrictions.	2
Section 01 33 00 - Submittal Procedures.	2
Section 01 35 30 - Health And Safety Requirements.	3
Section 01 51 00 - Temporary Utilities.	1
Section 01 61 00 - Common Product Requirements.. . . .	3
Section 01 74 11 - Cleaning.	2
Section 01 77 00 - Closeout Procedures.. . . .	1
Section 01 78 00 - Closeout Submittals.	4

Division 12 - Furniture

Section 12 50 00 - Furniture.. . . .	65
--------------------------------------	----

END OF SECTION

LIST OF DRAWINGS

ARCHITECTURAL

F Series - Furniture Layouts (following Section 12 50 00 - Furniture)

- F.01 Basement Floor Furniture Plan
- F.02 Main Floor Furniture Plan
- F.03 Second Floor Furniture Plan
- F.04 Third Floor Furniture Plan
- F.05 Basement - Classroom 0019
- F.06 Basement - Seminar 0019J
- F.07 Main Floor - Office 1004
- F.08 Main Floor - Classroom 1005
- F.09 Main Floor - Office 1007A-1007B
- F.10 Main Floor - Office 1008
- F.11 Main Floor - Seminar Room 1011
- F.12 Main Floor - Student Chambers 1012
- F.13 Main Floor - Seminar Room 1013A-1013B
- F.14 Main Floor - Library 1015-1016
- F.15 Second Floor - Classroom 2005
- F.16 Second Floor - Dean's Office 2005-Admin 2007A
- F.17 Second Floor - Boardroom 2007B
- F.18 Second Floor - Staff-Meeting Room 2007C
- F.19 Second Floor - Classroom 2008B
- F.20 Second Floor - Classroom 2009
- F.21 Library Mezzanine
- F.22 Third Floor - Moot Court 3004
- F.23 Third Floor - Practice Suite 3005
- F.24 Third Floor - Auditorium 3006
- F.25 Third Floor - Restorative Justice 3007
- F.26 Third Floor - Classroom 3008

Preferred Furniture Schedule (following Section 12 50 00 - Furniture)

Preferred Furniture Cut Sheets (following Section 12 50 00 - Furniture)

END OF DOCUMENT

GENERAL

1.1 INVITATION

- .1 Bid Call
 - .1 **Bid Call Deadline:** Irrevocable General Contractor bids for **Lakehead University Law School / PACI Furniture Tender Bid Packages** signed and dated will be **received in duplicate** at the **Lakehead University Purchasing Department, Room BB-1002A, Braun Building, 955 Oliver Road, Thunder Bay, Ontario, P7B 5E1**, no later than **3:00:00pm (EST), Monday, March 25, 2013**
 - .2 The designated clock in Lakehead University Purchasing Department office shall be used to establish the time of Bid receipt.
 - .3 The University can only accept one bid from any proponent. If more than one bid is received from any proponent, the last bid received as measured by the purchasing department clock will be the bid considered, with the earlier bids being returned unopened.
 - .4 Faxed, Telephone, Telegraph or Electronic Mail Bids or Amendments to submitted Bids will not be accepted, unless bidders are advised otherwise through written addenda.
 - .5 Bids will be opened privately and results will be made available as soon as practicable.
 - .6 Amendments to a submitted Bid will be permitted if received in writing prior to the Bid Call Deadline stated above and if endorsed by the same party or parties who signed and sealed the originally submitted Bid. Amendments to the Bid price shall contain only the dollar value to add or subtract from the originally submitted Bid.
 - .7 The Owner is not responsible to reimburse Bidders for any expenses, no matter how incurred, in the preparation of their Bid submission as required pursuant to the tender process.
 - .8 The Owner will not consider and will return unopened any Bids received after the Bid Closing Deadline.

1.2 COMPLIANCE

- .1 The Bidder acknowledges that by submitting a Bid, it has accepted an offer by the Owner to enter into a "Bid contract" for the evaluation of Bids and the award of the Contract, if an award is made. The Bidder acknowledges that the terms of the "Bid contract" are represented by the Bid Documents.
- .2 Failure to submit a Bid which complies with the requirements of these Instructions to Bidders may cause the Owner to declare a Bid non-compliant.

1.3 INTENT

- .1 Intent of this Bid call is to obtain an offer to perform the Work which consists of supply and installation of some or all of the complete Furniture Packages as indicated to Lakehead University Law School on the former Port Arthur Collegiate Institute site in the City of Thunder Bay, Ontario.
- .2 Bidders are to Bid on complete Furniture Packages only.
- .3 The Owner will issue a Purchase Order to the successful Bidder(s) based on the following evaluation criteria:
 - .1 60% Match or exceed the quality and construction of the Preferred Product.
 - .2 25% Match or exceed the functionality of the Preferred Product.
 - .3 15% Match or exceed the aesthetics of colour, fabric pattern and fit to the vision of the finished space.

- .4 Delivery and access to site is to be coordinated with Lakehead University. Work is to reach Substantial Completion by August 16th, 2013.
- .5 The Owner makes no representation, warranty or guarantee as to the accuracy of the information contained in the Contract Documents or issued by way of addenda. Any quantities shown or data contained in the Contract Documents or provided by way of addenda are estimates only and are for the sole purpose of indicating to Bidders the general size of the work. It is the Bidder's responsibility to avail itself of all the necessary information to prepare a tender in response to this Bid Call.
- .6 All of the provisions of this Bid Call are deemed to be accepted by each Bidder and incorporated into each Bidder's tender

1.4 PROJECT IDENTIFICATION

- .1 The Project is identified as **Lakehead University Law School / PACI Furniture Tender**, Architect's file number 2012001b, as prepared by FORM Architecture Engineering and associated Consultants with Drawing List and Specification Sections within the Table of Contents..

1.5 BID CALL SCHEDULE

- .1 The following is the schedule for the Bid Call:
 - .1 Issue Date of Bid Call: Tuesday, March 5, 2013
 - .2 Electronic drawings available from LU Purchasing Web Site: Tuesday, March 5, 2013.
 - .3 Bidder's Deadline for Questions: Wednesday, March 13, 2013, 5:00pm local time, all questions directed to LU Purchasing, gmatte@lakeheadu.ca.
 - .4 Deadline for Issuing Addenda: Monday, March 18, 2013, 3:00pm local time,
 - .5 Bid Call Deadline: Monday, March 25, 2013, 3:00:00pm local time. **PRIVATE BID OPENING.**
 - .6 Schedule for submittal of Sample Table T-1 and Chair C-1: Monday, March 25, to Wednesday, March 27, 2013.
 - .1 Deliver samples to Lakehead University, General Receiving, 955 Oliver Road, Thunder Bay, Ontario P7B 5E1.
 - .2 Submittal of samples for the T-1 table is to be accompanied by a scale drawing of each room in which they are used to ensure they will meet space limitations. AutoCADD drawings of the rooms will be posted to the Consultant's ShareFile web site for Bidders use. Refer to Section 01 33 00 Submittal Procedures for further instructions.
 - .7 Owners review, scoring and response to Bid Submission and sample products will occur during the week of April 2, 2013, with feedback provided to bidders Monday, April 8, 2013.

1.6 CONTRACT/BID DOCUMENTS

- .1 Furniture Package Bid Form.
- .2 Definitions
 - .1 'Preferred Product(s)' are those products listed in the LU Law School Furniture Reno Schedule which have been selected based on design, construction, specifications, and fit to the vision that the owner and consultant have for the finished space. They are not exclusive, and, for the purposes of this tender call represent a minimum standard of acceptance. Bidders are encouraged to submit products they deem to be of equivalent or superior quality, durability, construction

- and / or design with appropriate specifications and documentation to support their consideration by the selection committee.
- .2 'Equals' and or 'Substitutions' for the purposes of this tender call are products deemed by the proponent to be of equivalent (or superior) form, fit, and function, as the preferred products described in the appropriate sections below, and offered by the proponent within their Bid Price submission. The owner will evaluate alternate products offered and sampled by proponents against the tender schedule shown above. Bidders are cautioned that only one sample of an equal or alternate product will be considered by the selection committee for each product identified below, and that the offered alternate must be included in their Bid Price submission.
 - .3 Bid, Offer, or Bidding: Act of submitting an offer under seal.
 - .4 Bid Price: Monetary sum identified in Bid Form as an offer to perform required work.
- .3 Availability
- .1 Bid documentation will be posted, along with any Addendum(s) to the Lakehead University website:
<https://www.lakeheadu.ca/faculty-and-staff/departments/services/finance/purchasing/tenders>.
 - .2 The Bid Documents are made available only for the purpose of submitting Bids for the Project. Availability and/or use of the Bid Documents do not confer a licence or grant for any other purpose.
 - .3 Immediately notify Bid Coordinator if Bid Documents are missing or incomplete or upon finding discrepancies or omissions.
- .4 Queries/Addenda
- .1 Direct questions are to be provided in written form only to:
Bid Coordinator:
Geoff Matte, Manager of Procurement and Contract Services
University Centre Building
Room: BB 1002A
955 Oliver Road, Thunder Bay, Ontario P7B 5E1
Fax: (807) 346-7711, Email: gmatte@lakeheadu.ca
No telephone enquiries will be accepted.
 - .2 The Bid Coordinator is the sole contact for the Bidders in respect of Bidding on this Project. A Bid may be disqualified where contact is made with any person other than the Bid Coordinator.
 - .3 Neither the Owner nor the Consultant will be responsible for instructions, clarifications or amendments communicated orally.
 - .4 The Bid Documents may only be amended by an addendum in accordance with this section. If Lakehead University, for any reason, determines that it is necessary to provide additional information relating to this Bid, such information will be communicated to all Bidders by addenda posted to the Lakehead University website. Each addendum shall form an integral part of the Bid Documents.
 - .5 If Bidders find discrepancies, omissions, errors, departures from building by-laws, codes or good practice, and points considered to be ambiguous or conflicting, they shall bring them to the attention of the Bid Coordinator by e-mail only, and not less than eight (8) Calendar Days before the Bid Call Deadline, so that the Bid Coordinator, if deemed necessary, can issue instructions, clarifications or amendments by addendum to all Bidders prior to the Bid Call Deadline. The Bid Coordinator will endeavour to issue such addenda at least seven (7) Calendar Days prior to the Bid Call Deadline.
 - .6 Each addendum shall form an integral part of the Bid Documents and their receipt shall be acknowledged in the space provided on the Bid Form.

- .7 Such addenda may contain important information including significant changes to the Bid Documents. Bidders are responsible for obtaining all addenda issued by the Bid calling authority.
- .5 Equals
 - .1 Where Bid Documents stipulate a preferred product, substitutions will be considered by the Owner as detailed above.
 - .2 A request for substitution shall indicate the specification section of the specified product, the product name and number of the specified product, the product name and number of the substitution and other information that will allow the Selection Committee to make an informed decision including but not limited to the substitutions size and shape; available colour selection; any minor variance from the preferred product; proprietary product specifications, drawings or brochures.
 - .3 Equals requested for the furniture in Library room 1015 and Classrooms using Table T1 are to be accompanied by a plan layout indicating proposed furniture drawn to scale and showing AODA barrier free compliant access within the space.
 - .4 Additional to the requirements noted in 1.6.5.1 and 1.6.5.2, Bidders requesting consideration of any equal or substitute product are to submit actual pieces of furniture. Submitted equal furniture must be the intended piece of furniture to replace the preferred furniture and be fully assembled with all functions and construction but are not required to match colours of fabric or colour of body material. Samples of Workstations are not required to be submitted, but full specifications for alternate workstations offered and bid must be supplied with the bid submission.
 - .5 Shipping containers for submitted furniture to be clearly marked as to content and Bidders name, address and contact information.
 - .6 Following the selection committee review of equals, the submitted furniture is to be picked up at the office of the Architect at the Bidders expense.
 - .7 In submission of substitutions to preferred products, Bidders shall include in their Bid, any changes required in work to accommodate such substitutions. A later claim by Bidder for an addition to contract price because of changes in work necessitated by use of substitutions shall not be considered.

1.7 HST

- .1 The Harmonized Sales Tax (HST) is considered an applicable value added tax for the purpose of this Bid, however the Bid price shall NOT include Value Added Taxes. All other eligible taxes shall be included in the Bid price. The successful contractor will indicate on each application for payment as a separate amount the appropriate HST the Owner is legally obliged to pay.
- .2 Any taxes or increases to taxes announced prior to the date of the issuance of the Bid Documents and scheduled to come into effect subsequent to it shall be taken to be included in the Bid price.

1.8 INSURANCE

- .1 The Owner will provide the "All Risk" property insurance.
- .2 The Contractor shall provide General Liability insurance with limits of not less than \$2,000,000.00 per occurrence, an aggregate limit of not less than \$2,000,000.00 within any policy year with respect to completed operations and a deductible of \$2,500.00.
- .3 The Contractor shall provide Automobile Liability insurance with limits of not less than \$2,000,000.00 inclusive per occurrence for bodily injury, death and damage to property, covering all vehicles owned or leased by the Contractor and a deductible of \$2,500.00.

1.9 BID SUBMISSION

- .1 Bid Price
 - .1 Bidders may submit a price on any or all Furniture Packages as noted in the Bid Form
 - .2 The Bid Form provides that the Bid price shall be provided in numbers only for each Furniture Package.
 - .3 Bidders must Bid on a complete Furniture Package. Bids including only select products in a Furniture Package will not be reviewed.
- .2 Bid Ineligibility
 - .1 Bids that are not originals, unsigned, improperly signed, conditional, illegible, obscure, contain arithmetical errors, erasures, alterations, or irregularities of any kind, may at the Owner's sole discretion, be declared non-compliant.
 - .2 Bids with Bid Forms and enclosures which are improperly prepared may, at the Owner's sole discretion, be declared non-compliant.
 - .3 Bids that fail to include Bid security, bonding or insurance requirements when requested at Bidding stage, may at the Owner's sole discretion, be declared non-compliant.
- .3 Submissions
 - .1 Bidders shall be solely responsible for delivery of their Bids in the manner and time prescribed.
 - .2 Submit two (2) copies of executed offer on Bid Forms provided, signed, in a sealed envelope, clearly identified by the Tender Return Label in accordance with in Section 00 41 10 - Furniture Package Bid Form.
 - .3 Fill in all blank spaces on the Bid Forms in ink or typewritten, providing all information requested. Spaces not used or not required to be filled in to be marked N/A. Failure to provide all requested information on the Bid Forms and failure to fill in all blank spaces may result in a Bid being declared non-compliant.
 - .4 Use only the Bid Forms issued as part of the Bid Documents for the Project.
 - .5 Except where expressly set out to the contrary in this tender, the tender and any accompanying documentation submitted by a Bidder shall become the property of the Owner and shall not be returned.

1.10 BID ENCLOSURES/REQUIREMENTS

- .1 Bid Security
 - .1 Bids shall be accompanied by Bid security in the form of a Bid Bond in the amount of not less than 10% of the Bid price naming the Owner as obligee and issued by a surety licensed to conduct surety and insurance business in Ontario.
 - .2 Use latest edition CCDC approved bond form.
 - .3 The Bid security shall remain valid for a period of sixty (60) days from the date of Bid submission.
 - .4 Include costs of Bid security in Bid price.
 - .5 The Bid security of the Bidder whose Bid is accepted will be retained by the Owner to compensate the Owner for the damages it will suffer should the successful Bidder fail to execute the Contract and/or fail to provide the preferred performance security and/or evidence of insurance and other documents required by these Instructions to Bidders or by the Contract.
 - .6 The Bid security of the Bidder whose Bid is accepted will be returned after the delivery of the preferred performance security and evidence of insurance and other documents required by these Instructions to Bidders or by the Contract, and after the execution of the Contract.

- .7 The Bid security of all other Bidders will be returned after the execution of the Contract or after the expiry of this Bid process without an award of Contract or after the rejection of all Bids.
- .8 Bids not accompanied by the required Bid security and the required agreement to bond will be declared non-compliant by the Owner and rejected.
- .2 Agreement to Bond.
 - .1 Submit with Bid Form and Bid Bond, an Agreement to Bond, stating that Surety providing Bid Bond is willing to supply 50% Performance Bond and 50% Labour and Materials Payment Bond.
 - .2 Include cost of bonds in Bid Price.
- .3 Performance Assurance
 - .1 Winning Bidder must provide executed 50% Performance Bond and 50% Labour and Materials Payment Bond.
 - .2 Include cost of bonds in Bid Price.
- .4 Certified Cheque
 - .1 In lieu of a Bid Bond and Performance and Labour and Materials Bonds, the Owner will accept a Certified Cheque in an amount not less than 10 percent of the Bid Price.
 - .2 Certified Cheque to be in the name of the Owner and will be held by the Owner until the final completion of the project.
 - .3 Failure to provide a Certified Cheque with the Bid, when used in lieu of bonding, may result in the Bid being rejected.
- .5 Bid Form Requirements.
 - .1 State in the Bid Form the time required to complete the Work. Completion date in Agreement must be completion time added to commencement date of the Work.
- .6 Bid Signing
 - .1 Bid Form shall be signed under seal by the Bidder and the person(s) signing such Bid Form must be authorized to bind the Bidder.
 - .2 Sole Proprietorship : Signature of sole proprietor in presence of witness who will also sign. Insert words "Sole Proprietor" under signature. Affix seal.
 - .3 Partnership : Signature of all partners in presence of witness who will also sign. Insert word 'Partner' under each signature. Affix seal to each signature.
 - .4 Limited Company : Signature of duly authorized signing officer(s) in normal signatures. Insert officer's capacity in which signing officer acts, under each signature. Affix corporate seal. If Bid is signed by officials other than President and Secretary of company, or President-Secretary-Treasurer of company, copy of by-law resolution of Board of Directors authorizing them to do so must also be submitted with Bid in Bid envelope.
 - .5 Joint Venture : Each party of joint venture must execute Bid under respective seals in manner appropriate to such party as described above, similar to requirements of Partnership.
- .7 Supplementary Bid Information
 - .1 Prior to commencing Work, the Contractor shall deliver to the Owner:
 - .1 A Workplace Safety Insurance Board Certificate in good standing with the Workplace Safety Insurance Board,
 - .2 Valid Performance and Labour and Materials bonds, each bond to comply with the requirements of the Bid Documents,
 - .3 Stand alone certified true copies of insurance policies required by the Bid Documents naming the Owner and the Consultant as "additional insureds".

1.11 OFFER ACCEPTANCE/ REJECTION

- .1 Duration of Offer
 - .1 Bids shall remain open to acceptance, and irrevocable for a period of sixty (60) days after the Bid Call Deadline. Bidders will be formally notified of tender award and status of Bid as soon as practical.

- .2 Bid Clarifications
 - .1 The Owner reserves the right to seek clarification and/or supplementary information from Bidders after the Bid Call Deadline. The response received by the Owner from a Bidder shall, if accepted by the Owner, form an integral part of that Bidder's tender. The Owner reserves the right to interview or request presentations from any or all Bidders to obtain information or clarification regarding their Bid submissions. In the event that the Owner receives information at any stage of the evaluation process which results in earlier information provided by the Bidder being deemed by the Owner to be inaccurate, incomplete or misleading, the Owner reserves the right to reconsider the Bidders compliance with the requirements and adjust the Bidders ranking accordingly. A Bid may be declared non-compliant as a result of information proven to be incomplete, inaccurate or misleading at the discretion of the Owner.

- .3 Reserved Rights of the Owner, the Owner may:
 - .1 make public the names of any or all Bidders;
 - .2 request written clarification or the submission of supplementary written information in relation to the clarification request from any Bidder and incorporate a Bidder's response to that request for clarification into the Bidder's tender;
 - .3 reject a Bidder's tender on the basis of:
 - .1 the Bid being limited by way of addition or omission of information,
 - .2 the requirements for Bid security not being satisfied,
 - .3 it not being signed by an authorized person or it was not properly witnessed or sealed,
 - .4 it not being submitted on the prescribed Bid Form,
 - .5 changes being made to the Bid Form,
 - .6 a financial analysis determining the actual cost of the tender when considering factors including quality, service, price and transition costs arising from the replacement of existing goods, services, practices, methodologies and infrastructure (howsoever originally established);
 - .7 information provided by references,
 - .8 the bidder's past performance on previous contracts awarded by the Owner,
 - .9 the information provided by a Bidder pursuant to the Owner exercising its clarification rights under this Bid Call process, or
 - .10 other relevant information that arises during this Bid Call process;
 - .4 waive formalities and accept tenders which substantially comply with the requirements of this Bid Call;
 - .5 verify with any Bidder or with a third party any information set out in a tender;
 - .6 check references other than those provided by any Bidder;
 - .7 disqualify any Bidder whose tender contains misrepresentations or any other inaccurate or misleading information;
 - .8 disqualify any Bidder or the tender of any Bidder who has engaged in conduct prohibited by this Bid Call;
 - .9 make changes, including substantial changes, to this Bid Call provided that those changes are issued by way of addenda in the manner set out in this Bid Call;
 - .10 select any Bidder other than the Bidder whose tender reflects the lowest cost to the Owner;
 - .11 cancel this Bid Call process at any stage;

- .12 cancel this Bid Call process at any stage and issue a new Bid Call for the same or similar deliverables;
 - .13 accept any tender in whole or in part;
 - .14 discuss with any Bidder different or additional terms to those contemplated in this Bid Call or in any Bidder's tender;
 - .15 if a single tender is received, reject the tender of the sole Bidder and cancel this Bid Call process or enter into direct negotiations with the sole Bidder; or,
 - .16 reject any or all tenders in its sole and absolute discretion;
- .4 These reserved rights are in addition to any other express rights or any other rights which may be implied in the circumstances and the Owner shall not be liable for any expenses, costs, losses or any direct or indirect damages incurred or suffered by any Bidder or any third party resulting from the Owner exercising any of its express or implied rights under this Bid Call.
- .5 By submitting its tender, the Bidder authorizes the collection by the Owner of the information set out under 1.11.3.5 and 1.11.3.6 in the manner contemplated in those subparagraphs.

1.12 LIMIT OF LIABILITY

- .1 The liability of the Bidder to the Owner for loss and damage arising out of the Bidder's breach of the "Bid contract" shall be limited to the lesser of the actual loss suffered by the Owner and the amount of Bid security described in paragraph 1.10.1 Bid Security.
- .2 The liability of the Owner to any Bidder for loss and damage arising in tort or for the breach by the Owner of the "Bid contract" shall be limited to the lesser of the amount of Bid security described in paragraph 1.10.1 Bid Security and the reasonable cost to the Bidder of preparing its Bid.

1.13 DISPUTES

- .1 In the event of a dispute arising in connection with this Bid process including, without limitation, a dispute concerning the existence of the "Bid contract" or a breach of the "Bid contract", or a dispute as to whether the Bid of any Bidder was submitted on time or whether a Bid is compliant, the Owner may refer the dispute to a confidential binding arbitration pursuant to the Arbitration Act, 1991, as amended, before a single arbitrator with knowledge of procurement/Bidding law. In the event that the Owner refers the dispute to arbitration, the Bidder agrees that it is bound to arbitrate such dispute with the Owner. Unless the Owner shall refer such dispute to binding arbitration, there shall be no arbitration of such dispute.
- .2 In the event the Owner refers a dispute to binding arbitration, the Owner may give notice of the dispute to one or more of the other Bidders who submitted Bids, whether or not they may be compliant, each of whom shall be a party to and shall be entitled to participate in the binding arbitration, and each of whom shall be bound by the arbitrator's award, whether or not they participated in the binding arbitration.
- .3 In the event the Owner refers a dispute to binding arbitration, the parties to the arbitration shall exchange brief statements of their respective positions on the dispute, together with the relevant documents, and submit to a binding arbitration hearing which shall last no longer than two days, subject to the discretion of the arbitrator to increase such time. The parties further agree that there shall be no appeal from the arbitrator's award.
- .4 This Article is not intended to form part of any "Bid contract" that may come into being between a Bidder and any prospective Subcontractor or Supplier of that Bidder.

1.14 GOVERNING LAW OF THE BID CALL PROCESS

- .1 This Bid Call process shall be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws of Canada applicable therein.

1.15 COMMUNICATION

- .1 The Bidder shall not engage in any Conflict of Interest communications and should take note of the Conflict of Interest declaration requirements in the Bid Call.
- .2 Bidders shall not issue or make any statements or news release concerning their Bid, the Bid process, the Owner's evaluation of the Bids, or the Owner's award or cancellation of the Bid process without the express written consent of the Owner.

1.16 INFORMATION OBTAINED FROM THE OWNER

- .1 All information provided by or obtained from the Owner in any form in connection with this Bid Call either before or after the issuance of this Bid Call: (a) is the sole property of the Owner and must be treated as confidential; (b) is not to be used for any purpose other than replying to this Bid Call and the performance of any subsequent Contract; (c) must not be disclosed without prior written authorization from the Owner; and d) shall be returned by the Bidders to the Owner immediately upon the request of the Owner.

Part 2 Products

2.1 NOT USED

Part 3 Execution

3.1 NOT USED

END OF SECTION

SECTION 004110 FURNITURE PACKAGE BID FORM

Project /Contract: _____

Project/Contract No: _____

From (Bidder): _____
company name

street address or postal box number

city/town, province and postal code

To (Owner): _____

We, the undersigned, having examined the Bid Documents for the above-named project, including Addendum Number(s) _____, hereby offer to perform the Work on the following Furniture Packages in accordance with the Bid Documents, for the base bid price of:

Furniture Package #1 - Library

\$ _____
_____ in Canadian dollars, excluding value added taxes.
amount in writing

\$ _____ in Canadian dollars, excluding value added taxes.
amount in figures

Furniture Package #2 - Tables

\$ _____
_____ in Canadian dollars, excluding value added taxes.
amount in writing

\$ _____ in Canadian dollars, excluding value added taxes.
amount in figures

Furniture Package #3 - Chairs

\$ _____
_____ in Canadian dollars, excluding value added taxes.
amount in writing

\$ _____ in Canadian dollars, excluding value added taxes.
amount in figures

Furniture Package #4 - Desks

\$ _____
_____ in Canadian dollars, excluding value added taxes.
amount in writing

\$ _____ in Canadian dollars, excluding value added taxes.
amount in figures

Furniture Package #5 - Lounge

\$ _____
_____ in Canadian dollars, excluding value added taxes.
amount in writing

\$ _____ in Canadian dollars, excluding value added taxes.
amount in figures

Furniture Package #6 - Classroom Chair C-1

\$ _____
_____ in Canadian dollars, excluding value added taxes.
amount in writing

\$ _____ in Canadian dollars, excluding value added taxes.
amount in figures

Furniture Package #7 - Classroom Table T-1

\$ _____
_____ in Canadian dollars, excluding value added taxes.
amount in writing

\$ _____ in Canadian dollars, excluding value added taxes.
amount in figures

We, the undersigned, declare that:

(a) we agree to perform the Work within the required completion time specified in the Bid Documents,

[or]

[(a) we agree to attain Substantial Performance of the Work within _____ weeks after receiving notice of contract award,

(b) we have arrived at this bid without collusion with any competitor,

(c) this bid is open to acceptance by the Owner for a period of sixty (60) days from the date of bid closing, and

(d) all bid form supplements called for by the Bid Documents form an integral part of this bid.

Signatures:

Signed and Submitted by:

company name

name and title of authorized signing officer

signature of authorized signing officer

name of witness

signature of witness

name and title of authorized signing officer

signature of authorized signing officer

name of witness

signature of witness

Dated this _____ day of _____, 20 _____

Note: Affix corporate seal as required by Bid Documents.

Appendix A - LIST OF FURNITURE PACKAGES

Furniture Packages: Note: Only one bid per group

#1 - Library: carrel ADA
chair library C11
table library T8
carrel T15a
carrel T15b
table library T14
Shelving LS1,LS2,LS3,LS4,LS5,LS6,LS7,LS8,LS9S,LS9a

#2 - Tables: table aud T3
table side T13
table side T9a
tablemoot T16
tablemoot T2a
table interv w T2c
table moot T11
tablemoot T2b
table T9
table T6
table T5
table brd T4
table classrm ADA
table seminar ADA
table seminar T2
Moot table T10

#3 - Chairs: chair brd C9
chair task C3
chair mtg C3
chair side C5

#4 - Desks: desk D6
desk smaller D5
desk systems D6a

#5 - Lounge: chair lounge C7
chair love seat C6
chair tulip C10

#6 - Classroom Chair chair classrm C1

#7 - Classroom Table table classrm T1

Appendix B - TENDER RETURN LABEL

AFFIX THIS LABEL TO YOUR SUBMISSION PACKAGE ENVELOPE

Proponent to complete the following:
(Full Legal Name and Address)

NAME: _____

ADDRESS: _____

CONTACT: _____

PHONE: _____

TENDER TITLE:

LU Law School / PACI Furniture Tender

BID CALL DEADLINE:

DATE: Monday, March 25, 2013

TIME: 3:00:00pm EST.

Attn: **GEOFF MATTE, MANAGER
PROCUREMENT and CONTRACT SERVICES
ROOM BB1002A, BRAUN BUILDING
LAKEHEAD UNIVERSITY
955 OLIVER ROAD
THUNDER BAY, ONTARIO
P7B 5E1**

IMPORTANT INSTRUCTIONS:

Tenders must be submitted in a sealed package(s) to the address indicated on the Tender Return Label between the hours of 8:30 a.m. and 4:00 p.m. (Local Time), Monday through Friday (excluding Statutory Holidays), **AND NO LATER THAN THE BID CALL DEADLINE NOTED ABOVE.**

The Owner does not accept responsibility for tender submissions directed to any location other than the address indicated on the label above. Proponents assume sole responsibility for late deliveries if these instructions are not strictly adhered to.

Failure to affix this Label to your submission envelope/ package may also result in submissions not being recognized as tenders. This could result in your tender arriving late at the prescribed office and will be deemed late, disqualified and returned to the proponent.

Tenders received by Fax or any other kind of electronic transmission will be rejected.

Part 1 General

1.1 SECTION INCLUDES

- .1 Title and description of Work.
- .2 Existing services.
- .3 Contract method.
- .4 Contractor use of premises.
- .5 Ownership of Materials

1.2 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.3 RELATED SECTIONS

- .1 Section 002113 - Instruction to Bidders.

1.4 WORK COVERED BY CONTRACT DOCUMENTS

- .1 Work to include supply and installation of the furniture packages as indicated and as awarded.

1.5 SITE MEETING

- .1 Contractor(s) will be required to attend a general Start-Up Meeting scheduled by the Owner within two weeks before any work commences on the site to address site conditions and concerns.

1.6 EXISTING SERVICES

- .1 Notify, Consultant, Owner and utility companies of intended interruption of site services and obtain required permission.
- .2 Where Work involves breaking into or connecting to existing services, give Consultant and Owner 48 hours notice for necessary interruption of site services throughout course of work. Minimize duration of interruptions. Carry out work at times as directed by Lakehead University with minimum disturbance University operations.
- .3 Where unknown services are encountered, immediately advise Consultant and confirm findings in writing.

1.7 CONTRACT METHOD

- .1 Construct Work under CCDC2 2008, Stipulated Price Contract.

1.8 CONTRACTOR USE OF PREMISES

- .1 Contractor has unrestricted use of project site as defined until Substantial Performance.
- .2 Obtain and pay for use of additional storage or work areas needed for operations under this Contract.
- .3 Emergency Building Exits During Construction: Means of egress shall be maintained throughout the construction period in accordance with applicable codes and regulations.
- .4 Do not load or permit any part of the structure to be loaded with a weight that will endanger its safety. Questions of structural loading as part of construction means and methods shall be addressed by a licensed structural engineer engaged by Contractor, subject to the review by Consultant.

1.9 OWNERSHIP OF MATERIALS

- .1 Unless otherwise specified, all materials existing at the Place of the Work at the time of execution of the Contract shall remain the property of the Owner. All work and Products delivered to the Place of the Work by the Contractor shall be the property of the Owner. The Contractor shall remove all surplus or rejected materials as its property when notified in writing to do so by the Consultant.

1.10 DOCUMENTS REQUIRED

- .1 Maintain at job site, one copy each document as follows:
 - .1 Contract Drawings.
 - .2 Specifications.
 - .3 Addenda.
 - .4 Reviewed Shop Drawings.
 - .5 List of Outstanding Shop Drawings.
 - .6 Change Orders.
 - .7 Other Modifications to Contract.
 - .8 Copy of Approved Work Schedule.
 - .9 Health and Safety Plan and Other Safety Related Documents.
 - .10 Other documents as specified.

Part 2 Products

2.1 NOT USED

- .1 Not used.

Part 3 Execution

3.1 NOT USED

- .1 Not used.

END OF SECTION

Part 1 General

1.1 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 WORK RESTRICTIONS

- .1 The workdays for the Project are defined as 7:00 am-8:00 pm, Monday through Friday. The schedule may require the Contractor to perform work other than the normal workday and in addition to the normal workday to meet milestones in the schedule for the Project, or to make up time previously lost to regain the progress schedule requirements or to prevent interruption of the Owner's ongoing operations at no additional cost to the Owner.
- .2 Work that could potentially produce loud noise (trenching, core drilling, etc) can occur during regular hours **only** when classes and exams are not in session. At all other times, work producing excessive noise (at the Owner's discretion) must occur after 4:30 pm.
- .3 Limit material delivery during peak traffic hours of 7:00am to 09:00am and 15:30pm to 17:00pm

1.3 SPECIAL REQUIREMENTS

- .1 Submit schedule in accordance with Section 01 32 18 - Construction Progress Schedules - Bar (GANTT) Chart.
- .2 Ensure that Contractor personnel employed on site become familiar with and obey regulations including safety, fire, traffic and security regulations.
- .3 Keep within limits of work and avenues of ingress and egress.
- .4 Ingress and egress of Contractor vehicles at site is limited to two points to be determined at preconstruction stage.

1.4 EMPLOYEE RESTRICTIONS

- .1 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Contract.
- .2 The Contractor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them.
- .3 Personal protection equipment for use by Contractor's employees shall be furnished by Contractor.
- .4 Contractor shall take all necessary precautions to keep the Place of the Work free of safety hazards and shall comply with all applicable provisions of law and building codes relating to injury to persons and property on or about the Place of the Work where the Work is being performed.
- .5 Contractor shall not permit any of its employees, agents, representatives, or its Subcontractors, or their employees, agents or representatives to interact with staff or students except those staff designated by Lakehead University.

- .6 Contractor shall not permit any of its employees, agents, representatives, or its Subcontractors, or their employees, agents or representatives, to engage in any activity in, on, or about the Place of the Work, or in connection with the Work, that violates any ordinance, statute, or other regulation of any governmental body having jurisdiction over the Place of the Work, including, but not limited to, gambling and other activity, though lawful, which in the Owner's opinion is not proper construction practice.
- .7 Contractor shall prevent all agents, employees, licensees, and invitee of Contractor from smoking on the Place of the Work.
- .8 Contractor agrees that the possession, distribution, or sale of alcohol, narcotics, drug-related paraphernalia, firearms, explosives, weapons or other dangerous or hazardous substances or articles is strictly forbidden on or at the Place of the Work and at the Project (including the misuse of prescription drugs or any mood altering substance while performing any work at the Project or related thereto.)
- .9 If at any time it is determined that any employee, representative, contractor or agent of Contractor is violating the drug and alcohol prohibition set forth herein, Owner shall be entitled, at its election, to terminate the Agreement upon Notice in Writing to Contractor.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION

Part 1 General

1.1 DRAWING SUBMITTAL

- .1 Submit scale Floor Plans on 8.5" x 11" sheets of rooms containing Classroom Table T1 with dimensions indicating barrier free accessibility within each space using the Bidders proposed furniture.
- .2 Access to Consultants Drawings:
 - .1 Contractors are responsible for the preparation of their own original drawings. The use of Consultants drawing either electronically or reproductions is prohibited without the consent of the Consultant. The Bidder will be given access to the Consultants Share File web site. The Bidder will be responsible for the retrieval of AutoCADD 2000 version files of rooms containing Classroom Table T1. Appended to this Section is the Sub-Contractor/Supplier Disclaimer, Waiver, Release and Indemnity form. This form is to be filled out, dated and signed by the Bidder and submitted along with the Furniture Package Bid Form that has used the Consultants drawings in their preparation.

1.2 SAMPLES

- .1 Submit for review samples of proposed Classroom Chair C1 and Classroom Table T1.
- .2 Deliver samples prepaid to Lakehead University, General Receiving, 955 Oliver Road, Thunder Bay, Ontario P7B 5E1.
- .3 Pay for suppliers retrieval of samples at the end of the evaluation period.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION

**SUBCONTRACTOR/SUPPLIER
DISCLAIMER, WAIVER, RELEASE AND INDEMNITY**

Project Name: _____

Sub Contractor/Supplier: _____

Access to the AutoCadd 2000 version Drawings is being given by FORM Architecture Engineering to the signatory and in return for being allowed access to the Drawings, the signatory agrees to be bound by the following terms and conditions:

1. The Drawings are to be used as a guide only to reduce your time and work load in preparing Shop Drawing submittals.
2. The signatory releases FORM Architecture Engineering of any claims or liability whatsoever by reason of any errors or omissions in the Drawings.
3. The signatory is responsible to satisfy themselves if the Drawings are accurate and appropriate for their purposes and cannot rely in any way on FORM Architecture Engineering or otherwise.
4. The signatory waives any right to rely on the accuracy of the Drawings, and agree that they are using the Drawings at their own risk and without any warranty or representation by FORM Architecture Engineering as to the accuracy or suitability of the Drawings for their purposes.
5. The signatory shall indemnify and save harmless FORM Architecture Engineering (including without limitation, its partners, officers, employees, agents, representatives and independent contractors) from any claims made by anyone by reason of their access to or use of the Drawings, and this indemnity shall include any costs, damages or claims whatsoever.
6. The signatory shall not use or copy the Drawings for any purpose other than preparing their Shop Drawings.
7. The signatory will not provide copies to nor allow anyone else access to the Drawings without the prior written consent of FORM Architecture Engineering.

I agree to the above terms and conditions.

Dated at _____, this _____ day of _____, 201__.

Signature

Print Name

Part 1 General

1.1 SECTION INCLUDES

- .1 Health and safety considerations required to ensure that Contractor shows due diligence towards health and safety on construction sites, and meets the requirements laid out in the Occupational Health and Safety Act.

1.2 REFERENCES

- .1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .3 Province of Ontario
 - .1 Occupational Health and Safety Act, R.S.O. 1990 Updated 2005.
- .4 Lakehead University
 - .1 Health and Safety: Policies, Procedures, Guidelines and Standards.
 - .2 Available on Lakehead University Website at: <http://hr.lakeheadu.ca/wp/?pg>

1.3 FILING OF NOTICE

- .1 File Notice of Project with Provincial authorities prior to beginning of Work.

1.4 GENERAL REQUIREMENTS

- .1 Do Work in accordance with Lakehead University's health and safety plan, the Lakehead University Health and Safety: Policies, Procedures, Guidelines and Standards. Copies of Lakehead University Health and Safety Policies, Procedures, Guidelines and Standards are available through the Human Resources link on the LU web page at <http://hr.lakeheadu.ca>.
- .2 The Contractor will report to the Owner, Consultant and jurisdictional authorities, any accident or incident involving Contractor, employee, members of the Public; Personnel and/ or Property arising from the Contractor's execution of the work
- .3 A Material Safety Data Sheet must accompany each shipment and goods must be labelled per WHMIS regulations, or goods will be returned at the supplier's expense.
- .4 The contractor will be responsible to take all necessary steps to protect personnel (workers, visitors, general public etc.) and the property, from any harm during the course of the contract.
- .5 Initial disregard for safety standards will cause the contract to be reviewed and a written record of the review will become part of the contract documents. A second infraction can lead to loss of contract.
- .6 If the Contractor or their suppliers are responsible for a delay in the progress of the work due to an infraction of legislation or the health and safety requirements, the Contractor or suppliers will, without any additional cost to the Owner, work such overtime, acquire and use for the execution as to be necessary, in the opinion of the Consultant to avoid delay in the final completion of the work or any operations thereof.

- .7 The Contractor shall:
 - .1 Be diligent in ensuring that their on site personnel comply with all health and safety and environmental legislation.
 - .2 Take appropriate disciplinary action against employees who contravene health and safety or environmental legislation; and
 - .3 Be vigilant in following up on Ministry of Labour directives where safety violations are noted.

1.5 RESPONSIBILITY

- .1 Comply with and enforce compliance by employees with safety requirements of Contract Documents, applicable provincial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.

1.6 COMPLIANCE REQUIREMENTS

- .1 Comply with Ontario Health and Safety Act, R.S.O.

1.7 UNFORSEEN HAZARDS

- .1 When unforeseen or peculiar safety-related factor, hazard, or condition occur during performance of Work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province and advise Consultant verbally and in writing.

1.8 POSTING OF DOCUMENTS

- .1 Ensure applicable items, articles, notices and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Province, and in consultation with Consultant and Owner.

1.9 CORRECTION OF NON-COMPLIANCE

- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction, Consultant or Owner.
- .2 Provide Consultant with written report of action taken to correct non-compliance of health and safety issues identified.
- .3 Consultant may stop Work if non-compliance of health and safety regulations is not corrected.

1.10 WORK STOPPAGE

- .1 Give precedence to safety and health of public and site personnel and protection of environment over cost and schedule considerations for Work.

Part 2 Products

2.1 NOT USED

- .1 Not used.

Part 3 Execution

3.1 NOT USED

.1 Not used.

END OF SECTION

Part 1 General

1.1 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

1.3 INSTALLATION AND REMOVAL

- .1 Provide temporary utilities controls in order to execute work expeditiously.
- .2 Remove from site all such work after use.

1.4 TEMPORARY POWER

- .1 Arrange with Lakehead University for connection to building electrical supply and pay costs for installation, maintenance and removal.

1.5 FIRE PROTECTION

- .1 Provide and maintain temporary fire protection equipment during performance of Work required by insurance companies having jurisdiction and governing codes, regulations and bylaws.
- .2 Burning rubbish and construction waste materials is not permitted on site.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Product quality, availability, storage, handling, protection, and transportation.
- .2 Manufacturer's instructions.
- .3 Quality of Work, coordination and fastenings.
- .4 Existing facilities.

1.2 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.3 REFERENCE STANDARDS

- .1 Within text of each specifications section, reference may be made to reference standards. Conform to these reference standards, in whole or in part as specifically requested in specifications.
- .2 If there is question as to whether any product or system is in conformance with applicable standards, Consultant reserves right to have such products or systems tested to prove or disprove conformance.
- .3 Cost for such testing will be born by Owner in event of conformance with Contract Documents or by Contractor in event of non-conformance.
- .4 Conform to latest date of issue of referenced standards in effect on date of submission of Bids, except where specific date or issue is specifically noted.

1.4 QUALITY

- .1 Products, materials, equipment and articles (referred to as products throughout specifications) incorporated in Work shall be new, not damaged or defective, and of best quality (compatible with specifications) for purpose intended. If requested, furnish evidence as to type, source and quality of products provided.
- .2 Defective products, whenever identified prior to completion of Work, will be rejected, regardless of previous inspections. Inspection does not relieve responsibility, but is precaution against oversight or error. Remove and replace defective products at own expense and be responsible for delays and expenses caused by rejection.
- .3 Should any dispute arise as to quality or fitness of products, decision rests strictly with Consultant based upon requirements of Contract Documents.
- .4 Unless otherwise indicated in specifications, maintain uniformity of manufacture for any particular or like item throughout building.
- .5 Permanent labels, trademarks and nameplates on products are not acceptable in prominent locations, except where required for operating instructions, or when located in mechanical or electrical rooms.

1.5 AVAILABILITY

- .1 Immediately upon signing Contract, review product delivery requirements and anticipate foreseeable supply delays for any items. If delays in supply of products are foreseeable, notify Consultant of such, in order that substitutions or other remedial action may be authorized in ample time to prevent delay in performance of Work.
- .2 In event of failure to notify Consultant at commencement of Work and should it subsequently appear that Work may be delayed for such reason, Consultant reserves right to substitute more readily available products of similar character, at no increase in Contract Price or Contract Time.

1.6 STORAGE, HANDLING AND PROTECTION

- .1 Handle and store products in manner to prevent damage, adulteration, deterioration and soiling and in accordance with manufacturer's instructions when applicable.
- .2 Store packaged or bundled products in original and undamaged condition with manufacturer's seal and labels intact. Do not remove from packaging or bundling until required in Work.
- .3 Store products subject to damage from weather in weatherproof enclosures.
- .4 Remove and replace damaged products at own expense and to satisfaction of Consultant.
- .5 Touch-up damaged factory finished surfaces when acceptable to Consultant's satisfaction. Use touch-up materials to match original. Do not paint over name plates.

1.7 TRANSPORTATION

- .1 Pay costs of transportation of products required in performance of Work.
- .2 Transportation cost of products supplied by Owner will be paid for by Owner. Unload, handle and store such products.

1.8 MANUFACTURER'S INSTRUCTIONS

- .1 Unless otherwise indicated in specifications, install or erect products in accordance with manufacturer's instructions. Do not rely on labels or enclosures provided with products. Obtain written instructions directly from manufacturers.
- .2 Notify Consultant in writing, of conflicts between specifications and manufacturer's instructions, so that Consultant may establish course of action.
- .3 Improper installation or erection of products, due to failure in complying with these requirements, authorizes Consultant to require removal and re-installation at no increase in Contract Price or Contract Time.

1.9 QUALITY OF WORK

- .1 Ensure Quality of Work is of highest standard, executed by workers experienced and skilled in respective duties for which they are employed. Immediately notify Consultant if required Work is such as to make it impractical to produce required results.

- .2 Do not employ anyone unskilled in their required duties. Consultant reserves right to require dismissal from site, workers deemed incompetent or careless.
- .3 Decisions as to standard or fitness of Quality of Work in cases of dispute rest solely with Consultant, whose decision is final.

1.10 CO-ORDINATION

- .1 Ensure cooperation of workers in laying out Work. Maintain efficient and continuous supervision.
- .2 Be responsible for coordination and placement of openings, sleeves and accessories.

1.11 LOCATION OF FIXTURES

- .1 Consider location of fixtures, outlets, and mechanical and electrical items indicated as approximate.
- .2 Inform Consultant of conflicting installation. Install as directed.

1.12 PROTECTION OF WORK IN PROGRESS

- .1 Prevent overloading of any part of building. Do not cut, drill or sleeve any load bearing structural member, unless specifically indicated without written approval of Consultant.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Progressive cleaning.
- .2 Final cleaning.

1.2 PROJECT CLEANLINESS

- .1 Maintain Work in tidy condition, free from accumulation of waste products and debris, other than that caused by Owner or other Contractors.
- .2 Remove waste materials from site at regularly scheduled times or dispose of as directed by Consultant.
- .3 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of non-recyclable waste and debris.

1.3 FINAL CLEANING

- .1 Refer to CCDC 2, GC 3.14.
- .2 When Work is Substantially Performed, remove surplus products and tools not required for performance of remaining Work.
- .3 Remove waste products and debris other than that caused by others, and leave Work clean and suitable for occupancy.
- .4 Clean surfaces. Replace broken, scratched or disfigured pieces.
- .5 Remove stains, spots, marks and dirt from furniture.
- .6 Vacuum clean and dust work area after installation of furniture.

1.4 DISPOSAL OF WASTES

- .1 Do not burn or bury waste materials on site.
- .2 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.
- .3 Collect all cardboard and wood packing materials and other materials readily recyclable in Thunder Bay and transport to appropriate recycle facilities.
- .4 Do not dispose of readily recyclable materials in the landfill site.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Administrative procedures preceding preliminary and final inspections of Work.

1.2 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.3 INSPECTION AND DECLARATION

- .1 Contractor's Inspection: Prior to request by the Contractor for Substantial Completion review, Contractor shall conduct an inspection of Work, identify deficiencies and defects and repair as required to conform to Contract Documents.
 - .1 Notify Consultant in writing of satisfactory completion of Contractor's Inspection and that corrections have been made.
 - .2 Request Consultant's Inspection.
- .2 Consultant's Substantial Completion Inspection: Consultant and Contractor will perform a Substantial Completion inspection of the Work to identify obvious defects or deficiencies. Contractor shall correct Work accordingly.
 - .1 The consultant will retain an amount from any Progress Claim for the value of Work identified in their inspection review to be completed or are deficient. The value shall be determined by the Consultant.
- .3 Completion: notify the Consultant when the following have been performed:
 - .1 Work has been completed.
 - .2 Defects have been corrected and deficiencies have been completed.
 - .3 Operation of systems have been demonstrated to Owner's personnel.
 - .4 Work is complete and ready for Final Inspection.
- .4 Final Inspection: when items noted above are completed, request final inspection of Work by Owner, Consultant, and Contractor. If Work is deemed incomplete by Owner and Consultant, complete outstanding items and request reinspection.
- .5 Final Payment: When Owner and Consultant consider final deficiencies and defects have been corrected, make application for final payment. If Work is deemed incomplete by Owner and Consultant, complete outstanding items and request reinspection.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 As-built, samples, and specifications.
- .2 Product data, materials and finishes, and related information.
- .3 Operation and maintenance data.
- .4 Spare parts, special tools and maintenance materials.
- .5 Warranties and bonds.
- .6 Final site survey.

1.2 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.3 SUBMISSION

- .1 Prepare Maintenance Manuals and As-Built Drawings using personnel experienced in maintenance and operation of described products.
- .2 Copy will be returned after final inspection, with Consultant's comments.
- .3 Revise content of documents as required prior to final submittal.
- .4 Two weeks prior to Substantial Performance of the Work, submit to the Consultant, three final copies and an electronic CD version of operating and maintenance manuals in English and As-Built Drawings.
- .5 Ensure spare parts, maintenance materials and special tools provided are new, undamaged or defective, and of same quality and manufacture as products provided in Work.
- .6 If requested, furnish evidence as to type, source and quality of products provided.
- .7 Defective products will be rejected, regardless of previous inspections. Replace products at own expense.
- .8 Pay costs of transportation.

1.4 FORMAT

- .1 Organize data in the form of an instructional Maintenance Manual.
- .2 Binders: 3 Total - vinyl, hard covered, 3 'D' ring, loose leaf 219 x 279 mm with spine and face pockets. Include Electronic version on CD/ DVD with each binder copy.
- .3 When multiple binders are used, correlate data into related consistent groupings. Identify contents of each binder on spine.
- .4 Cover: Identify each binder with type or printed title 'Project Record Documents'; list title of project and identify subject matter of contents.
- .5 Arrange content by systems under Section numbers and sequence of Table of Contents.
- .6 Provide tabbed fly leaf for each separate product and system, with typed description of product and major component parts of equipment.
- .7 Text: Manufacturer's printed data, or typewritten data.

- .8 Drawings: provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.

1.5 CONTENTS - EACH VOLUME

- .1 Hard Copy Binder plus One (1) CD/DVD containing the entire contents of the binder
- .2 Table of Contents: provide title of project;
 - .1 date of submission; names,
 - .2 addresses, and telephone numbers of Consultants, Contractor and Sub-Contractors with name of responsible parties;
 - .3 schedule of products and systems, indexed to content of volume.
- .3 For each product or system:
 - .1 list names, addresses and telephone numbers of subcontractors and suppliers, including local source of supplies and replacement parts.
- .4 Product Data: mark each sheet to clearly identify specific products and component parts, and data applicable to installation; delete inapplicable information.
- .5 Drawings: supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams.
- .6 Typewritten Text: as required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.

1.6 RECORD DRAWINGS AND SAMPLES

- .1 In addition to requirements in General Conditions, maintain at the site for Consultant and Owner review, one record copy of:
 - .1 Contract Drawings.
 - .2 Specifications.
 - .3 Addenda.
 - .4 Change Orders and other modifications to the Contract.
 - .5 Reviewed shop drawings, product data, and samples.
 - .6 Field test records.
 - .7 Inspection certificates.
 - .8 Manufacturer's certificates.
- .2 Store record documents and samples in field office apart from documents used for construction. Provide files, racks, and secure storage.
- .3 Label record documents and file in accordance with Section number listings in List of Contents of this Project Manual. Label each document "PROJECT RECORD" in neat, large, printed letters.
- .4 Maintain record documents in clean, dry and legible condition. Do not use record documents for construction purposes.
- .5 Keep record documents and samples available for inspection by Consultant.

1.7 RECORDING ACTUAL SITE CONDITIONS

- .1 Record information on set of black line, opaque drawings, and in copy of Project Manual, provided by Consultant. Mark these documents **AS-BUILT DRAWINGS**.
- .2 Provide felt tip marking pens, maintaining separate colours for each major system, for recording information.
- .3 Record information concurrently with construction progress. Do not conceal Work until required information is recorded.

- .4 Contract Drawings and shop drawings: legibly mark each item to record actual construction, including:
 - .1 Measured depths of elements of foundation in relation to finish first floor datum.
 - .2 Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 - .3 Measured locations of internal utilities and appurtenances, referenced to visible and accessible features of construction.
 - .4 Field changes of dimension and detail.
 - .5 Changes made by change orders.
 - .6 Details not on original Contract Drawings.
 - .7 References to related shop drawings and modifications.
- .5 Other Documents: maintain manufacturer's certifications, inspection certifications, field test records, required by individual specifications sections.

1.8 FURNITURE

- .1 Each Item of Furniture: include description of unit or system, and component parts. Give function, normal operation characteristics, and limiting conditions. Include performance curves, with engineering data and tests, and complete nomenclature and commercial number of replaceable parts.
- .2 Provide servicing and lubrication schedule, and list of lubricants required.
- .3 Include manufacturer's printed operation and maintenance instructions.
- .4 Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- .5 Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- .6 Additional requirements: As specified in individual specification sections.

1.9 MATERIALS AND FINISHES

- .1 Finishes: include product data, with catalogue number, size, composition, and colour and texture designations. Provide information for re-ordering custom manufactured products.
- .2 Instructions for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance.
- .3 Moisture-protection and Weather-exposed Products: include manufacturer's recommendations for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance.
- .4 Additional Requirements: as specified in individual specifications sections.

1.10 SPARE PARTS

- .1 Provide spare parts, in quantities specified in individual specification sections.
- .2 Provide items of same manufacture and quality as items in Work.
- .3 Deliver to site and location as directed; place and store.
- .4 Receive and catalogue all items. Submit inventory listing to Consultant. Include approved listings in Maintenance Manual.
- .5 Obtain receipt for delivered products and submit prior to final payment.

1.11 STORAGE, HANDLING AND PROTECTION

- .1 Store spare parts, maintenance materials, and special tools in manner to prevent damage or deterioration.

- .2 Store in original and undamaged condition with manufacturer's seal and labels intact.
- .3 Store components subject to damage from weather in weatherproof enclosures.
- .4 Store paints and freezable materials in a heated and ventilated room.
- .5 Remove and replace damaged products at own expense and to satisfaction of Consultant.

1.12 WARRANTIES AND BONDS

- .1 List installer, supplier, and manufacturer, with name, address, and telephone number of responsible principal.
- .2 Obtain warranties executed in duplicate by suppliers, and manufacturers, within ten days after completion of the applicable item of work.
- .3 Except for items put into use with Owner's permission, leave date of beginning of time of warranty until the Date of Substantial Performance is determined.
- .4 Verify that documents are in proper form, contain full information, and are notarized.
- .5 Co-execute submittals when required.
- .6 Retain warranties and bonds until time specified for submittal.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Materials and components for tables, seating systems and other components.

1.2 REFERENCES

- .1 American National Standards Institute (ANSI)
 - .1 ANSI A208.1-09, Particleboard.
- .2 American National Standards Institute (ANSI)/Business and International Furniture Manufacturers Association (BIFMA) International
 - .1 ANSI/BIFMA X5.1-11, American National Standard for Office Furnishings, General Purpose Office Chairs - Tests.
 - .2 ANSI/BIFMA X5.6-10, American National Standard for Office Furnishings - Panel Systems.
 - .3 BIFMACMD-1-09, BIFMA Chair Measuring Device.
- .3 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-44.227-2008, Freestanding Office Desk Products and Components.
 - .2 CAN/CGSB-44.232-2008, Task Chairs for Office Work Environments.
- .4 CSA International
 - .1 CSA C22.2 No.9.0-96(R2011), General Requirements for Luminaires.
 - .2 CAN/CSA-C22.2 No.203-M91(R2010), Modular Wiring Systems for Office Furniture.
 - .3 CAN/CSA-Z809-08, Sustainable Forest Management.
- .5 Forest Stewardship Council (FSC)
 - .1 FSC-STD-01-001-2004, FSC Principle and Criteria for Forest Stewardship.
- .6 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .7 Public Works and Government Services Canada (PWGSC) - Industrial and Commercial Products and Standardization Services Sector - Government Purchase Description (GPD)
 - .1 PWGSC-GPD-6-February 1999, Side Chairs with Metal Frame.
- .8 Sustainable Forestry Initiative (SFI)
 - .1 SFI-2010-2014 Standard.
- .9 The Master Painters Institute (MPI)
 - .1 Architectural Painting Specification Manual - current edition.
- .10 Underwriters' Laboratories Canada (ULC)
 - .1 CAN/ULC-S102-2010, Standard Method of Test for Surfaces Burning Characteristics of Building Materials and Assemblies.
- .11 Underwriters' Laboratories (UL)
 - .1 UL 1286-2008(R2011), Standard for Office Furnishings.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for furniture and include product characteristics, performance criteria, physical size, finish and limitations.
 - .2 Submit 2 copies of WHMIS MSDS.
- .2 Samples:
 - .1 Submit 2 copies of each sample for:
 - .1 Each laminate colour.
 - .2 Each paint colour.
 - .3 Each fabric colour.
 - .4 Each moulded plastic colour.
 - .5 Each wood stain and finish.
 - .6 Each edge style and colour.

1.4 QUALITY CONTROL

- .1 Furniture to be assembled and installed by crew certified by respective manufacturer to install their product.
- .2 Supplier to provide contact information

1.5 CLOSEOUT SUBMITTALS

- .1 Operation and Maintenance Data: submit operation and maintenance data for furniture for incorporation into manual.
- .2 Supply part numbers of furniture to allow for replacement of worn or damaged furniture parts.
- .3 Supply instructions detailing procedures for repairing or replacing worn furniture parts.
- .4 Provide contact information for closest supplier of materials for repairing or replacing worn furniture parts.

1.6 DELIVERY, STORAGE AND HANDLING

- .1 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .2 Storage and Handling Requirements:
 - .1 Store materials off ground, indoors, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect furniture from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.

1.7 WARRANTY

- .1 Furniture manufacturer to provide a written ten (10) year warranty for manufacturer's defects and durability under normal usage.
- .2 Fabric manufacturer to provide separate written ten (10) year warranty against wear, fade, splitting and defects under normal usage.

- .3 Submit written assurance that replacement parts and fabric will be available for minimum of 5 years following discontinuation of product manufacture.

Part 2 Products

2.1 MATERIALS

- .1 Supply furniture in accordance with Proposed Plan Layouts and Proposed Furniture Schedule following this Section and in accordance with Furniture Package Bid Form.

2.2 FABRICATION





- .1 Manufacture furniture to allow for dismantling and replacing of worn or defective components and recycling options following first use.
 - .1 Fabricate furniture to allow for remanufacturing or refurbishing of furniture following first use.
 - .2 Seal exposed surfaces of particleboard constructed with urea formaldehyde adhesives to contain formaldehyde emissions.









Part 3 Execution







3.1 ASSEMBLY AND PLACEMENT








- .1 Assemble furniture on site to manufacturers written instructions
- .2 Place furniture as directed by Owner.
- .3 Clean furniture and protect from damage.
- .4 Recycle packing and shipping materials. Minimize transport of waste material to landfill.




END OF SECTION




TAG		CODE	MFR	Group	Description	Evaluation
TABLES						
T1		ENNSW2148-53B	KI Furniture	Enlite Swash	Classroom Table Nesting table, 21" x 48" x 21 5/8" with lockable casters for hard surface (ganging not required), 3/4" top Base: (4EC) 4 Enlite Casters Welded Construction 1" diameter 16 gauge Steel Tubing Leg: Powdercoat Paint - Warm Grey (WG) Panel inset: None Top: High Pressure Laminate - Biltmore Cherry (LBT), Edge: Vinyl (53B) 3/4" Bullnose, (EBT) Biltmore Cherry	Legs: 1" diameter, 16 gauge steel tubing and 7/16" diameter steel wire. 1/4" thick steel spider plate, welded to legs. Finish: 45 sheen epoxy Powder coating, electrostatically applied. Coating fused and cured in oven to form a smooth, continuous film. Finish is chemical resistant, hard, tough and mar resistnat Worksurface: min. 3/4" high density particle board with laminated phenolic resin sheets (both sides). Predrilled Worksurface Finish: High Pressure Laminate (wood grain) Edge: 3/4" Vinyl bullnose Nesting and flip top capabilities complete with 2 wheel locking casters (2.44" diameter). Caster wheel treads shall be molded nylon, medium hard (75 Max Shore A) for easy mobility on carpet or hard floors. Glides and casters shall be interchangeable without changing table height. Must accommodate 2 chairs
T1-ADA		ENSW2448AD-53B	KI Furniture	Enlite Swash ADA	Swash 24" x 48" x 24 1/2" - Specs as above but ADA Height - Fixed Leg. One ADA table per room. Bases shall be 3" Taller than Standard Bases and Same Construction as Above	Same criteria as T1 with exception of nesting mechanism. Min 28" height from u/s of table to finishes floor
T2		ENRC2148-53B	KI Furniture	Enlite	Classroom/Seminar Rectangular Table Nesting Table, 21" x 48" with locking casters, 3/4" top (ganging not required) Base: (4EC) 4 Enlite Casters (for hard surface flooring) Welded Construction 1" diameter 16 Gauge Steel Tubing Leg: Powdercoat Warm Grey (WG) Panel Inset: None Top: High Pressure Laminate Biltmore Cherry (LBT) Edge: Vinyl (53B) 3/4" Bullnose, (EBT) Biltmore Cherry	Same Construction as table T1 with the exception of shape.
T2b		ENRC2448AD-53B	KI Furniture	Enlite ADA	Rectangular 24" x 48" - Specs as above but ADA Height - Fixed Leg, casters. One ADA table per room. Bases shall be 3" Taller than Standard Bases and Same Construction as Above	Same criteria as T2 with exception of nesting mechanism. Min 28" height from u/s of table to finishes floor
T2c		ENRC2448AD-53B	KI Furniture	Enlite ADA	Rectangular 24" x 48" - Specs as above but ADA Height - Fixed Leg, glides (no casters). One ADA table per room. Bases shall be 3" Taller than Standard Bases and Same Construction as Above	Same criteria as T2 with exception of nesting mechanism and casters. Min 28" height from u/s of table to finishes floor. Glide shall have a smooth convex bottom surface for mobility. Glide and caster shall be interchangeable without changing table height.
T2a		ENRC2448AD -53B	KI Furniture	Enlite	Classroom/Seminar Rectangular Table, not nesting 24" x 48" with lockable casters, 3/4" top (ganging not required) Base: (4EC) 4 Enlite Casters, Welded Construction 1" diameter 16 Gauge Steel Tubing Leg: Powdercoat Warm Grey (WG) Panel Inset: None Top: High Pressure Laminate Biltmore Cherry (LBT) Edge: Vinyl (53B) 3/4" Bullnose, (EBT) Biltmore Cherry	Same as T1 construction with the exception of shape.
T3		MCHC3636 CWHC	Dor-Val		Metal Base Standard complete with locking casters and flip top mechanism Base finish: Dor-Val Powder coat 48" diameter table c/w plastic laminate "ogee" style wood grain plastic T-mould edge 1.25" thick table top	Base: metal with lockable casters (carpet) Top: 1.25" thick Min 28" height from u/s of table to finished floor Flip top mechanism for top Provide stacking dimensions











TAG		CODE	MFGR	Group	Description	Evaluation
T4		CTLF, CTMZ	Teknion	Expansion	Seminar Meeting Tables, flip top on casters (carpet flooring) - 4x 24"x54"x29"h 2x CTMZ 24"x48" Mezzanine Worksurface No Grommets Table Base: Fixed height, C-Leg Slender Table Top Finish: Foundation Laminate, Leg Finish: Foundation	Base: metal construction w/lockable casters Table Top: high density particle board with high pressure laminate
T5			KI Furniture	Venue	36" dia. Round Table, Single Pedestal F-Base, Surface: (LBT) Biltmore Cherry High Pressure Laminate Top 74P Flat Vinyl Edge 3mm Base: 27" x 27" F Base (WG) Warm Grey Powdercoat	Top: Min. 1" thick high density particle board w/high pressure laminate top Vinyl Edge Base: Heavy gauge steel column
T6		FLFS	KI Furniture	Flex	Coffee Table Rectangular W 40" D x 19.5" x H 18" High Pressure Laminate Top with Hardwood on all sides Solid Wood Base & Legs	Wood base of solid beech with top of solid beech edge with plastic laminate top High pressure laminate with hardwood on all sides Solid wood base and legs are Double Bore & Dowel Construction
T8			KI Furniture	Crossroads	Library Wood Table, 4 Leg, 42" x 96" x 31" 1 1/4" Thick .05" High Pressure Laminate Facer and .026" Backer on Underside All 4 Edges Banded with 1 1/4" thick and 2" w Wood (Mitered Corners) Curved Apron, no grommets ADA Height Finish: Cinnamon MCN FS-1946 Laminate Insert: Wilsonart Indigo D379-60	Table Top: Min. 1" thick particle board core Laminate: high pressure Edges: solid maple (all edges) Legs: solid maple w/heavy gauge anchoring
T9		FLFS	KI Furniture	Flex	Round End Table - 24" dia. X 22"h, High Pressure Laminate Top With Hardwood on all Sides Solid Hardwood Legs Bases are Double Bore & Dowel Construction	Wood base of solid beech with top of solid beech edge with plastic laminate top
T9b			Teknion	Expansion	Circular Lounge table - 24" dia. X 20"h - table surface with monopod base Foundation laminate, straight edge (6)	Base: Solid hardwood or Heavy gauge metal construction Top: High Density Particle board with High pressure laminate
T10		KDA4824.H	KI Furniture	Aristotle	24" x 48" x 29" H Desk. No Grommet - Full Modesty Panel & Laminate End Gables 1" Standard Laminate Top 74P Vinyl Edge	1" thick worksurface and end panels with 2.5mm thick ede banding (matches wood grain laminate finish) adjustable glides Laminate top: high-performance thermally fused laminate.
T11		ENDRC2472/1-53 ADA height	KI Furniture	Enlite	Table 24" x72" (not nesting), Casters Base: (4EC) Casters Leg: Powdercoat Warm Grey (WG) Welded Construction 1" diameter 16 Gauge Steel Tubing Panel Inset: None Top: High Pressure Plastic Laminate Biltmore Cherry (LBT) Edge: Vinyl (53B) 3/4" Bullnose, (EBT) Biltmore Cherry	Same construction as T1 with the exception of shape and there is no nesting mechanism





TAG		CODE	MFR	Group	Description	Evaluation
T13		BCXROF42	Teknion	Expansion Casegoods	Meeting Table - 42" diameter 1 9/16" Thick High Pressure Laminate Worksurface 4 Point Base	Min 1" thick table top Metal or wood base Wood grain laminate finish
T14		CRT 4272-M	KI Furniture	Crossroads	Library Wood Table, 4 Leg, 42" x 72" x 31"h 1 1/4" Thick .05" High Pressure Laminate Facer and .026" Backer on Underside All 4 Edges Banded with 1 1/4" thick and 2" w Wood (Mitered Corners) Curved Apron, no grommets ADA Height Finish: Cinnamon MCN FS-1946 Laminate Insert: Wilsonart Indigo D379-60	Table Legs: attached to apron using a heavy gauge metal plate with 2 heavy-duty anchoring bolts. 2-1/4" square glued up face to face. All edged are eased with a 1/4" radius. Apron: 3/4" thick solid maple rail is fit between the legs on all 4 sides of the table. The apron shall be machined to have a full length arch that is 3 7/8" high at the ends and 2" at the center. The apron rails are screwed to the underside of the top. Height must be ODA accessible (28" clear from U/S of apron to floor) Table top is 1-1/4" thick, particleboard core, .05" high pressure laminate facer and .026" backer on the underside. All 4 edges shall be banded with a 1-1/4" thick and 2" wide solid maple edge beveled to a .25" radiused bullnose at top, mitered at all 4 corners Glides at each leg: 2" diameter nylon-based adjustable leveling glide with 1-1/2" thread stem
T15a		CRCD6048S-M	KI Furniture	Crossroads	Study Carrel Starter Unit, 60" x 48", Curved Panel Top, Straight Base 1 1/4" Thick .05" High Pressure Laminate Facer and .026" Backer on Underside All 4 Edges Banded with 1 1/4" thick and 2" w Wood (Mitered Corners) Legs attached using Dovetail Joinery Finish: Cinnamon MCN FS-1946 Table Surface Finish: Cherry Storm LCX	Panels: 1-3/16" thick particle board construction with Grade A maple veneer on both faces. Vertical edges banded with 1/5mm thick solid maple external band. Brass inserts for mounting the worksurface. Base: Select Maple with a .13" deep x .38" high reveal groove. Glued and screwed to bottom of the end panel. Machined on one side. Back Panel: 3/4" thick, 5 ply particle board core construction with Grade A Maple veneer on both faces. Top and bottom edges banded with 1.5mm thick solid maple external band. Attached to end panels using cam-lock fasteners. Shelf: 3/4" thick x 10" deep, plywood core construction. Both faces covered with Grade A maple veneer. Fastened with shoulder screw and insert in panel and cam-lock fasteners. Legs: Solid Maple with heavy gauge anchoring with 1-1/8" diam. steel-based adjustable leveling glides with a 1 101/4" threaded stem. Worksurface: 1-1/4" thick x 27-1/2" deep particleboard construction with .05" high pressure laminate facer and .026" backer on the underside. Banded with 1-1/4" thick and 2" wide bullnose edge solid maple laminated to core. Attached to end panels and back with a 21" long steel "L" bracket screwed into brass inserts.
T15b		CRCD6048A-M	KI Furniture	Crossroads	Study Carrel add on, 60 x 46-3/4", Curved Top Panel, Straight Base 1 1/4" Thick .05" High Pressure Laminate Facer and .026" Backer on Underside All 4 Edges Banded with 1 1/4" thick and 2" w Wood (Mitered Corners) Legs attached using Dovetail Joinery Finish: Cinnamon MCN FS-1946 Table Surface Finish: Cherry Storm LCX	Same criteria as T15a
T15ADA		CRCS3048S-M	KI Furniture	Crossroads	Study Carrel Starter Unit ADA height, 30" x 48", Curved Top Panel, Straight Base 1 1/4" Thick .05" High Pressure Laminate Facer and .026" Backer on Underside All 4 Edges Banded with 1 1/4" thick and 2" w Wood (Mitered Corners) Legs attached using Dovetail Joinery Finish: Cinnamon MCN FS-1946 Table Surface Finish: Cherry Storm LCX	Same as T15a with the exception of work surface height. Clearance below worksurface must be 28" to finished floor
T16		KDA4830.H ARSPD	KI Furniture	Aristotle	Desk Shell: 30"x48"x29" H Desk. No Grommet - Full Modesty Panel & Laminate End Gables 1" Standard Laminate Top, Biltmore Cherry 74P Vinyl Edge	1" thick worksurface and end panels with 2.5mm thick edge banding (matches wood grain laminate finish) adjustable glides Laminate top: high-performance thermally fused laminate.



TAG		CODE	MFGR	Group	Description	Evaluation
SEATING						
C1		SLNAU	KI Furniture	Strive	Classroom Chair - 4 Legs w / Glides, Chrome Legs, Upholstered Seat, Poly Back: Nordic ND, Grade 3 Stonework, Colour: Bluestone 3WBE	<p>Legs: 7/8" diam. X13gauge tubular steel. Cross members ar 1" o.d x 14 gauge tubular steel and 7/17" diam solid steel. All joints welded. 4 leg base with glides</p> <p>Seat, Shroud: Injection molded polypropylene. Backrest: Injection molded polypropylene with integral steel cantilever springs. Slotted back. Upholstered seat (min 30,000 rubs, pattern fabric, preference for</p> <p>Frame Finish: Bright nickel chrome plating.</p>
C2		SPDCAUBC	KI Furniture	Strive Cantelever Arm	Meeting Room Task Chair. Integrated Supportive Flexing Back. Upholstered Seat & Back, Hard Floor Casters. 1" OD 14 gauge Tubular Steel Under Seat Structure	<p>Support Structure is die formed, 13 gauge steel welded to 1" o.d x 14 gauge steel crossmember. Arms: supporting structure is 7/8" o.d. x13 gauge tubular steel, welded direty to seat support structure. Armcaps: injection molded nylon attached by screws. Seat: injection molded polypropylene attached directly to structure. Base: injection molded glass reinforced nylon 5 blade base (warm grey). Height adjustment pneumatic cylinder. Casters: high impact thermoplastic double wheels. Frame Finish: Baked on, electrostatically applied 45 degree gloss epoxy powder coating.</p> <p>Upholstered Seat & Back: molded urethane4 foam attachedto injection molded ploopypropyient seat board then upholstered. Attached with hidden fasteners. Base: injection molded glass reinforced nylon 5 blade base (warm grey). Height adjustment pneumatic cylinder.</p> <p>Casters: high impact thermoplastic double wheels. Frame Finish: Baked on, electrostatically applied 45 degree gloss epoxy powder coating.</p>
C3		IMPR - KI62/JR39 SLD	KI Furniture	Impress	Task Chair w/ Synchronitt, Mid Back - Upholstered Seat & Back with Fabric Grade 3 , Back Height Adj, T Arms (Adjustable Height & Width) & Adj Seat Depth. Hard Floor Casters (to be verified) 26w x 37 x 45h	<p>Mechanism: Stamped steel dual housing seat cradle. Two control levers 1 actuates the pneumatic cylinder with infinite selection within the mage. Adjustable seat height (19.5"-21.25"). One lever locks the chair in one of 3 positions or actuates the free-floating mode.</p> <p>Backrest: Injection molded plastic board with embedded inserts for mounting. Board covered with countoured molded foam and upholstered with fabric. Textrued black shroud covers the rear side.</p> <p>Back height (task chair only): adjustable back height. Back Foam: Molded high-resilient foam. Seat: 1/2" thick saddle shape plywood with 2.5" molded foam and upholstered fabric. Seat assembly mouted to mechanism by 4 screws. Molded high-resilient foam.</p> <p>Base: 25" diam. 5 blade reinforced black nylon base Casters: double 55mm diam. High-impacc thermoplastic black wheels for hard floor. Arms: 360 degree pivot arm which locks in place. 3" of height adjustment and 3" of total width adjustment</p>
C3b		IMPR - KI62/JR39 SLD	KI Furniture	Impress	Task Chair w/ Synchronitt, Mid Back - Upholstered Seat & Back with Fabric Grade 3 , Back Height Adj, No Arms, Adj Seat Depth. Hard Floor Casters (to be verified) 26w x 37 x 45h	Same construction as C3 without arms
C5		SLNAUB	KI Furniture	Strive	Wait Chair no arms - 4 Legs, Chrome Legs, Upholstered Seat & Back, Grade 3 Fabric	Same construction as C1 but with upholstered seat and back.
C6		6733/NC, NCW, RC	KI Furniture	Cody Loveseat	Loveseat Hardwood Frame. Wood Armcaps Fabric Grade 3. W 55" D 31.5" H 30" , Seat and Back filled with Ultracell and Polyurethane foam	2 seater sofa, hardwood frame, upholstered seat and back (min 30,000 rubs, pattern fabric, preference for recycled materials), high density foam seat and back
C7		6723/NC, NCW, RC	KI Furniture	Cody Lounge	Lounge Chair - Hardwood Frame. Wood Armcaps Fabric Grade 3. W 33" D 31.5" H 30" Seat and Back filled with Ultracell and Polyurethane foam	Lounge chair, hardwood frame, upholstered seat and back (min 30,000 rubs, pattern fabric, preference for recycled materials), high density foam seat and back

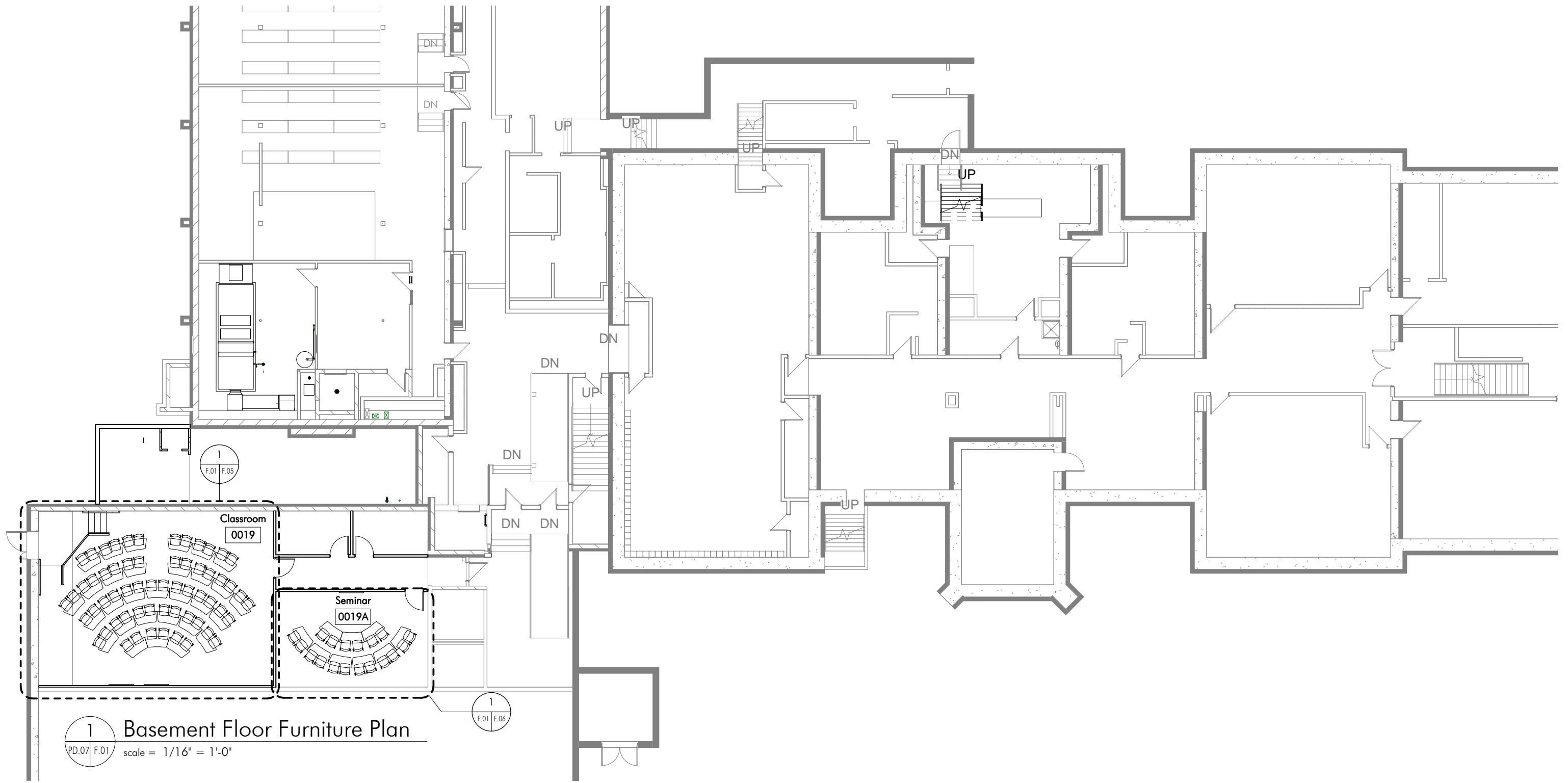
TAG		CODE	MFR	Group	Description	Evaluation
C9		ALTCLA, A, C, NHR	KI Furniture	Altus	Conference Chair - Upholstered Seat and Mesh Back w/ Loop Arm Automatic Lumber Support, Aluminum Base, Carpet casters, No headrest Grade A1	Reinforced plastic base on cast aluminum housing with a control levers for pneumatic cylinder for seat height. Backrest: Black reinforced plastic frame with mesh insert. Fixed black reinforced plastic loop arm
C10		TU74	Rouillard	Tulip	Tub Chair for Student Lounge, Seat and Outside Back: Grade 10 Vinyl Upholstery AC-67496 #17, Inside Back: Grade 15 Zoom 12L0001 Dijon, w/ Wood Legs 31.5"h x 25.5"d x 26"w	Tub Chair, 18 gauge steel frame, high density polyurethane foam, wood legs
C11		CRCHR18	KI Furniture	Crossroads	Library Wood Chair, Cinnamon on Maple, Wood Seat & Back, 18" High Seat	Solid Hardwood Wood chair (maple) with stretcher

TAG		CODE	MFGR	Group	Description	Evaluation
DESKING						
D5			Teknion	Expansion Desking	1 3/16" Thick High Pressure Laminate Worksurface, 3mm ABS Edge / Metal Structural Desk Frame & Support Columns, Metal Storage Components w/ High Pressure Laminate Fronts. Intrgral Grommets on Worksurfaces & Gables for Cable Management. All Worksurfaces to be Non-Handed and include 1/4" metal threaded inserts.	Free standing desking including overhead. All desking to be non-handed including pedestals and overhead cabinets. Loading capacity for pedestal to comply with BOMA standards. Tasklight mounted to overhead cabinet.
					30" x 60" Desk with Full Gables	Assembly shall be of a metal to metal connection and all connections shall be machine screws and trhreaded metal insert.
					16"d X 60"w Metal Overhead, Column Mounted (Hinged, Lockable, Laminate Doors) 37"h Structural Columns	Desk Surface: high pressure laminate (HPL) or wood hot glued to a 1-1/8" thick , 45 lbs/ft density, particly board and corresponding backer for a total thickness of 1 3/16". Surface edge banding: 3mm plastic straight trim
					22" H X 60" w 1" Metal Framed Fabric Tackboard Screen	Structural Columns: Aluminum extrusion
					18" Metal B/B/F Pedestal w/ High Pressure Laminate Drawer Fronts, lockable	Overhead cabinet top to serve as storage space
		YKT2C	Teknion	Complements	Tiers T2 Keyboard Tray, adjustable	Fixed-height desk shall have a functional load of 360 lbs.
		RLED48	Teknion	Complements	Linear LED 48" Tasklight	Desk construction: supported by a metal framework consisting of 2 or 3 vertical corner supports or 1-1/4x1-1/4 tubing assembly 16 gauge, one or two horizontal beams and 2 gables to assure structural integrity C-leg and semi-supported desk
D6			Teknion	Expansion Desking	"L" Shape Desk . 1 3/16" Thick High Pressure Laminate Worksurface, 3mm ABS Edge / Metal Structural Desk Frame & Support Columns, Metal Storage Components w/ High Pressure Laminate Fronts. Integral Grommets on Worksurfaces & Gables for Cable Management. All Worksurfaces to be Non-Handed and include 1/4" metal threaded inserts.	Same Construction of D5 with the exception of desk size/shape
					24" x 72" Desk Full Gables	
					24" x 48" Desk with Full Gable & Half Gable	
					16"d X 60"w Metal Overhead, Column Mounted (Hinged, Lockable, Laminate Doors) 37"h Structural Columns	
					22" H X 72" w 1" Metal Framed Fabric Tackboard Screen	
		RBNSPS182			18" Metal B/B/F Pedestal w/ High Pressure Laminate Drawer Fronts, lockable	
		YKT2C	Teknion	Complements	Tiers T2 Keyboard Tray, height adjustable	
		RLED48	Teknion	Complements	Linear LED 48" Tasklight	
D6a			Teknion	Expansion Desking	"L" Shape Desk . 1 3/16" Thick High Pressure Laminate Worksurface, 3mm ABS Edge / Metal Structural Desk Frame & Support Columns, Metal Storage Components w/ High Pressure Laminate Fronts. Integral Grommets on Worksurfaces & Gables for Cable Management. All Worksurfaces to be Non-Handed and include 1/4" metal threaded inserts.	Same Construction of D5 with the exception of desk size/shape
					24" x 72" Desk Full Gables	
					24" x 48" Desk with Full Gable & Half Gable	
					16"d X 60"w Metal Overhead, Column Mounted (Hinged, Lockable, Laminate Doors) 37"h Structural Columns	
					22" H X 72" w 1" Metal Framed Fabric Tackboard Screen	
					18" Metal B/F Pedestal w/ High Pressure Laminate Drawer Fronts and Cushion Seat Pad (Grade 3), lockable	
		YKT2C	Teknion	Complements	Tiers T2 Keyboard Tray	
		RLED24	Teknion	Complements	Linear LED 24" Tasklight	

TAG		CODE	MFGR	Group	Description	Evaluation
SHELVING						
SH1		BSOB	Teknion	Expansion Casegoods	Bookcase.12"d x 30"w x 72"h. Laminate w/ 1" Thick Shelves w/ ABS Edge	High density particle board substrate with high pressure laminate finish. Adjustable shelving (approx. 1-1/4" intervals)
SH2		RBOB	Teknion	Expansion Deskings	Bookcase.12"d x 30"w x 72"h. 1" Thick Case, Laminated Both Sides (back of case as well), 3MM ABS Edge. 1" Thick Shelves w/ ABS Edge	High density particle board substrate with high pressure laminate finish. Adjustable shelving (approx. 1-1/4" intervals). Finishes on all sides.
SH3		RBOB	Teknion	Expansion Deskings	Bookcase.12"d x 36"w x 72"h. 1" Thick Case, Laminated Both Sides (back of case as well), 3MM ABS Edge. 1" Thick Shelves w/ ABS Edge	High density particle board substrate with high pressure laminate finish. Adjustable shelving (approx. 1-1/4" intervals). Finishes on all sides.
LS1		CRSSD7224S-M:PSTR:BP	KI Furniture	Crossroads	Special width Crossroads 32.5"w x 72"h x 24"d, Starter Unit	End Panel: 1-3/16" thick, particle board core with Grade A maple veneer on both faces. Vertical edges banded with 1.5mm thick solid maple external band. Panel base has a 13"deep x .25" high vein line. Two stainless steel adjustable glides at bottom of each panel.
					1 3/16" Thick Cinnamon on Maple Wood Finish Case (both faces)	Shared Panel: Same construction as End panel except brass inserts on both sides of panel. Adder units attached with 5/16" though bolts and nuts
					10 Adj . 18 Gauge shelves - Powder Coat Finish	Top Shelf/Cornice: 3/4" thick maple. Attache with 1-1/4"x1-1/4" wood cleats with bolts and metal inserts in eh end panels.
						Metal Shelves: 18 gauge steel with notches on u/s to rest on steel pegs. 1" thick and triple bend fron and back edges. Stop shelf bent upwards to form 90 degree angle, 1-5/8" high. Electrostatically applied powder coat finish.
LS2		CRDSSD7224AMCB	KI	Crossroads	72"h metal shelving, adder unit, double face, 24"d x 38"w, Cinnamon on Maple	same as LS1, 72" high
					1 3/16" Thick Maple Wood Finish Case (both faces)	
					10 Adj . 18 Gauge shelves - Powder Coat Finish	
LS3		CRSS7212S-M:PSTR:BP	KI	Crossroads	72"h metal shelving, starter unit, single face, 12"d x 38"w, Cinnamon on Maple	same as LS1, 72" high
					1 3/16" Thick Maple Wood Finish Case (both faces)	
					10 Adj . 18 Gauge shelves - Powder Coat Finish	
LS4/LS9		CRSSS7212AMSB	KI	Crossroads	Metal Shelving Adder Unit - Single, 24 x 37.5" x 72"h, No Power	same as LS1, 72" high
					1 3/16" Thick Maple Wood Finish Case (both faces)	
					10 Adj . 18 Gauge shelves - Powder Coat Finish	
LS4A		CRSSS7212A-M:PSTR:BP	KI	Crossroads	Special Width Crossroads at 32.5"wx72"hx12"d - MET	same as LS1, 72"high
					1 3/16" Thick Maple Wood Finish Case (both faces)	
					10 Adj . 18 Gauge shelves - Powder Coat Finish	
LS5		CRDDS4224SMCB	KI	Crossroads	42"h metal shelving, starter unit, double face, 24"d x 38"w	same as LS1, 42" high
					1 3/16" Thick Cinnamon on Maple Wood Finish Case (both faces)	
					10 Adj . 18 Gauge shelves - Powder Coat Finish	
LS6		CRSSD4224A-M:PSTR:BP	KI	Crossroads	42"h metal shelving - adder unit, double face, 24"d x 37"w, Cinnamon on Maple	same as LS1, 42" high
					1 3/16" Thick Maple Wood Finish Case (both faces)	
					10 Adj . 18 Gauge shelves - Powder Coat Finish	

TAG		CODE	MFGR	Group	Description	Evaluation
LS7		CRSS8212S-M:PSTR:BP	KI	Crossroads	82"h metal shelving , starter unit, single face, 12"d x 38"w 1 3/16" Thick Cinnamon on Maple Wood Finish Case (both faces) 10 Adj . 18 Gauge shelves - Powder Coat Finish	same as LS1, 82" high
LS8		CRSS8212A-M:PSTR:BP	KI	Crossroads	82"h Metal shelving, adder unit, single face, 12"d x 37"w 1 3/16" Thick Cinnamon on Maple Wood Finish Case (both faces) 12 Adj . 18 Gauge shelves - Powder Coat Finish	same as LS1, 82" high
LS9s		CRSSS7212S-M:PSTR:BP	KI	Crossroads	Special Width Crossroads 24"w x 72"h x 12"d Starter Unit 1 3/16" Thick Maple Wood Finish Case (both faces) 10 Adj . 18 Gauge shelves - Powder Coat Finish	same as LS1, 72" high
LS9a		CRSS7212A-M:PSTR:BP	KI	Crossroads	Special Width Crossroads 24"w x 72"h x 12"d , Adder unit 1 3/16" Thick Cinnamon on Maple Wood Finish Case (both faces) 10 Adj . 18 Gauge shelves - Powder Coat Finish	same as LS1, 72" high

TAG		CODE	MFR	Group	Description	Evaluation
FILE CABINETS						
F1		LLF40C1836D1A	Teknion	Ledger	18" x 36" - 4 Drawer - 20 Gauge Steel. 22 Gauge Double Wall Drawer Fronts. Full width Integral Pull. Each Drawer comes with file bars for front to front, side to side filing. Comes with interlocking system allowing only one drawer to open at a time. Standard Lock w/ Removable Core	18"x36" 4 dwr lateral file. 22 gauge steel, lockable. One drawer to open at a time.
F2		BSLF183040	Teknion	Expansion Casegoods	18"d x 30"w x 40"h - 3 Drawer Laminate Lateral File (High Pressure Laminate Drawer Fronts)	18x30 3 drawer laminate file drawer, 22 gauge steel construction with high pressure laminate drawer fronts, lockable. One drawer to open at a time.
MISCELLANEOUS FURNITURE						
POD1		BLCN 42	Teknion	Expansion Casegoods	Speaking Podium / Lecturn 42"H - High Pressure Laminate Surface Finish	Small Lecturn, wood grain laminate finish to match T4 table
CRD		CRDBT	KI	Crossroads	Descending Platform Book Truck	3/4" plywood sides and bottom with top edgebanded and 4 swivel casters. Platform: 3/4" plywood with plastic laminate top surface. Platform guided on rollers and supported by spring compression. Finish: plastic laminate
WD1		CUSTOM	Teknion	Expansion Casegoods	Wardrobe Cabinet - 24"x24", custom with center divider and doors locked individually (separate lock).	High density particle board substrate with high pressure laminate finish. 2 individual locks.
KY1		YKT2C	Teknion	Complements	Tiers T2 Keyboard Tray	Adjustable Keyboard Try



1
PD.07 F.01

Basement Floor Furniture Plan

scale = 1/16" = 1'-0"

1
F.01 F.06

FORM ARCHITECTURE
ENGINEERING

131 Court Street North, Thunder Bay, ON P7A 4V1 Canada
p 807.345.5582 f 807.345.4093 e info@formarchitecture.ca

BETTER PLACES FOR PEOPLE
www.formarchitecture.ca

Project Name:

**Lakehead University - PACI
Law School Interior Renovations**

Drawing Title:

Basement Floor Furniture Plan

Project: 2012001b

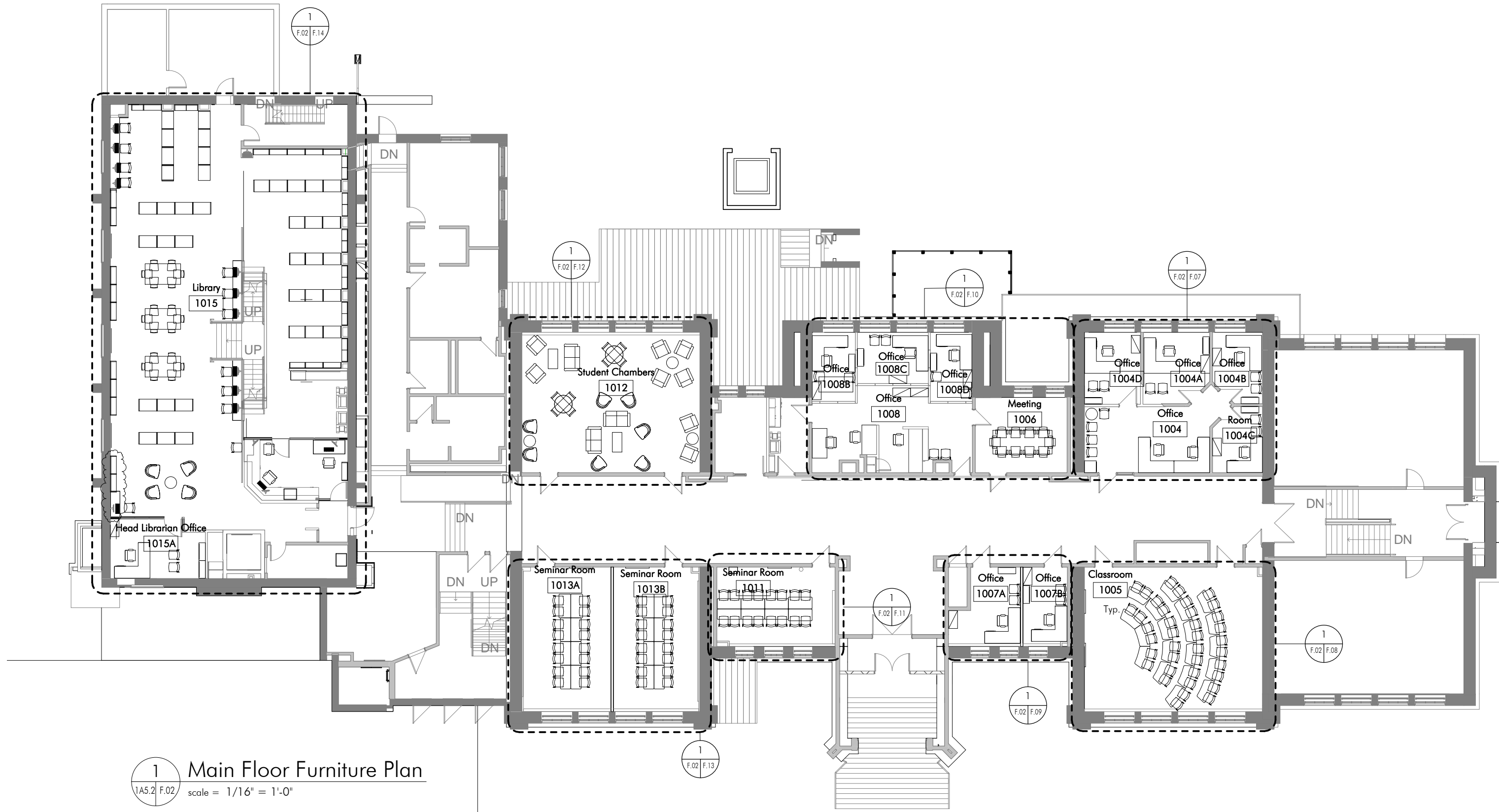
Date: 2013.02.26

Drawn By: JKF

F.01

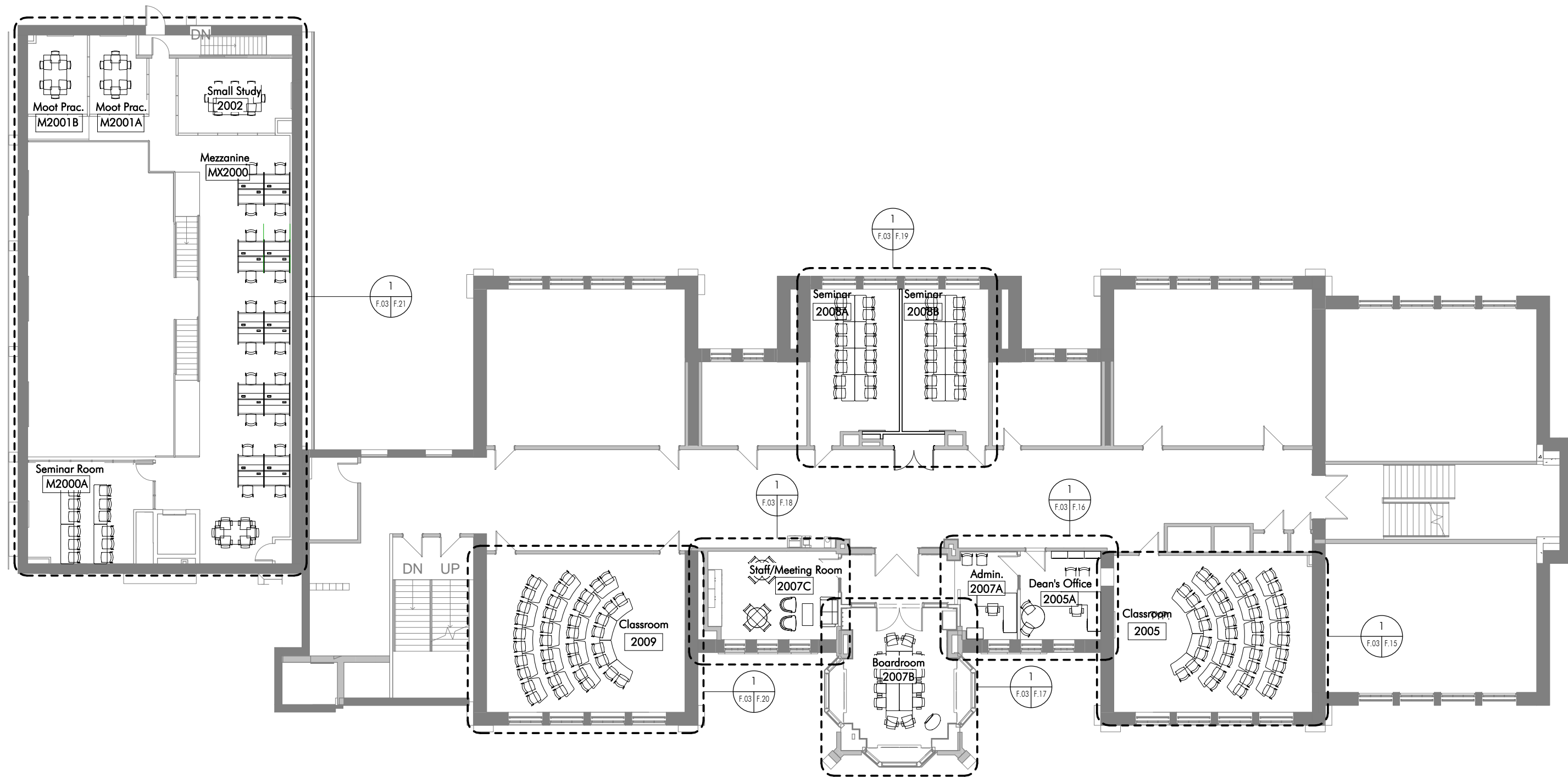
Rev.

C:\Revit\Projects\2012001_ARCH.Lvt

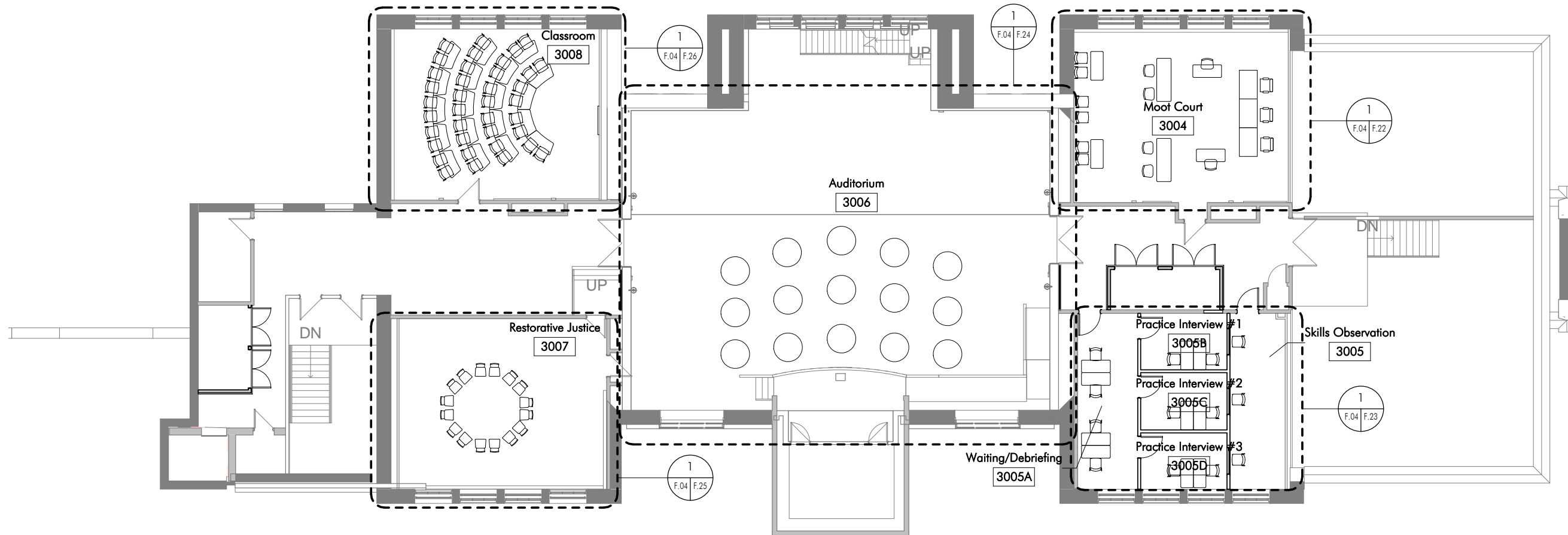


1 Main Floor Furniture Plan
 1A5.2 F.02 scale = 1/16" = 1'-0"

C:\Revit\Projects\2012001_ARCH_Lrv



1 Second Floor Furniture Plan
 1A2.6 F.03 scale = 1/16" = 1'-0"



1 Third Floor Furniture Plan
 1A2.6 F.04 scale = 1/16" = 1'-0"

C:\Revit\Projects\2012001_ARCH Lrv

FORM ARCHITECTURE
 ENGINEERING

131 Court Street North, Thunder Bay, ON P7A 4V1 Canada
 p 807.345.5582 f 807.345.4093 e info@formarchitecture.ca

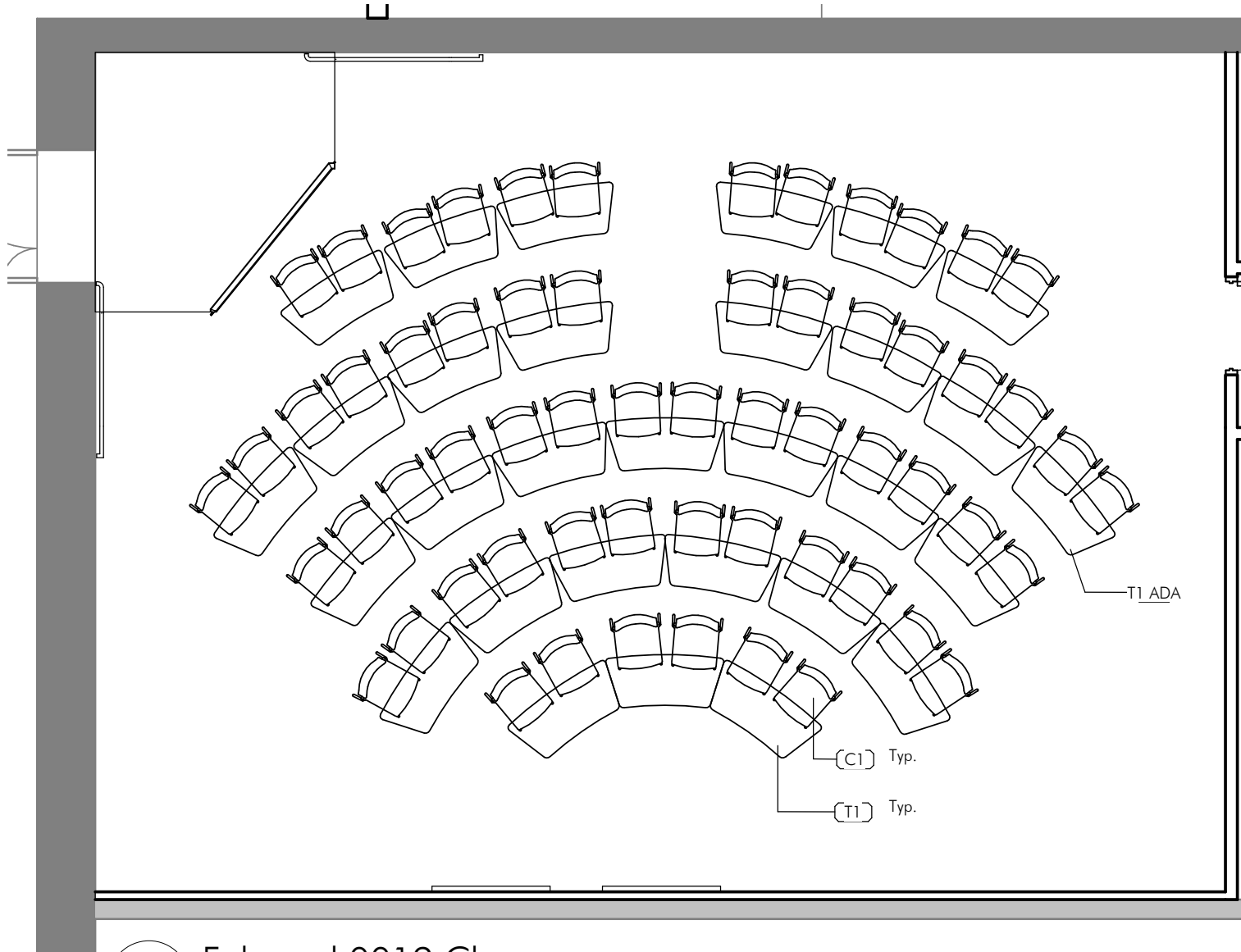
BETTER PLACES FOR PEOPLE
 www.formarchitecture.ca

Project Name:
**Lakehead University - PACI
 Law School Interior Renovations**

Drawing Title:
Third Floor Furniture Plan

Project: 2012001b
 Date: 2013.02.26
 Drawn By: JKF

F.04
 Rev. '1'



1
F.01 | F.05

Enlarged 0019 Classroom

scale = 3/16" = 1'-0"

FORM ARCHITECTURE
ENGINEERING

131 Court Street North, Thunder Bay, ON P7A 4V1 Canada
p 807.345.5582 f 807.345.4093 e info@formarchitecture.ca

BETTER PLACES FOR PEOPLE
www.formarchitecture.ca

Project Name:

Lakehead University - PACI
Law School Interior Renovations

Drawing Title:

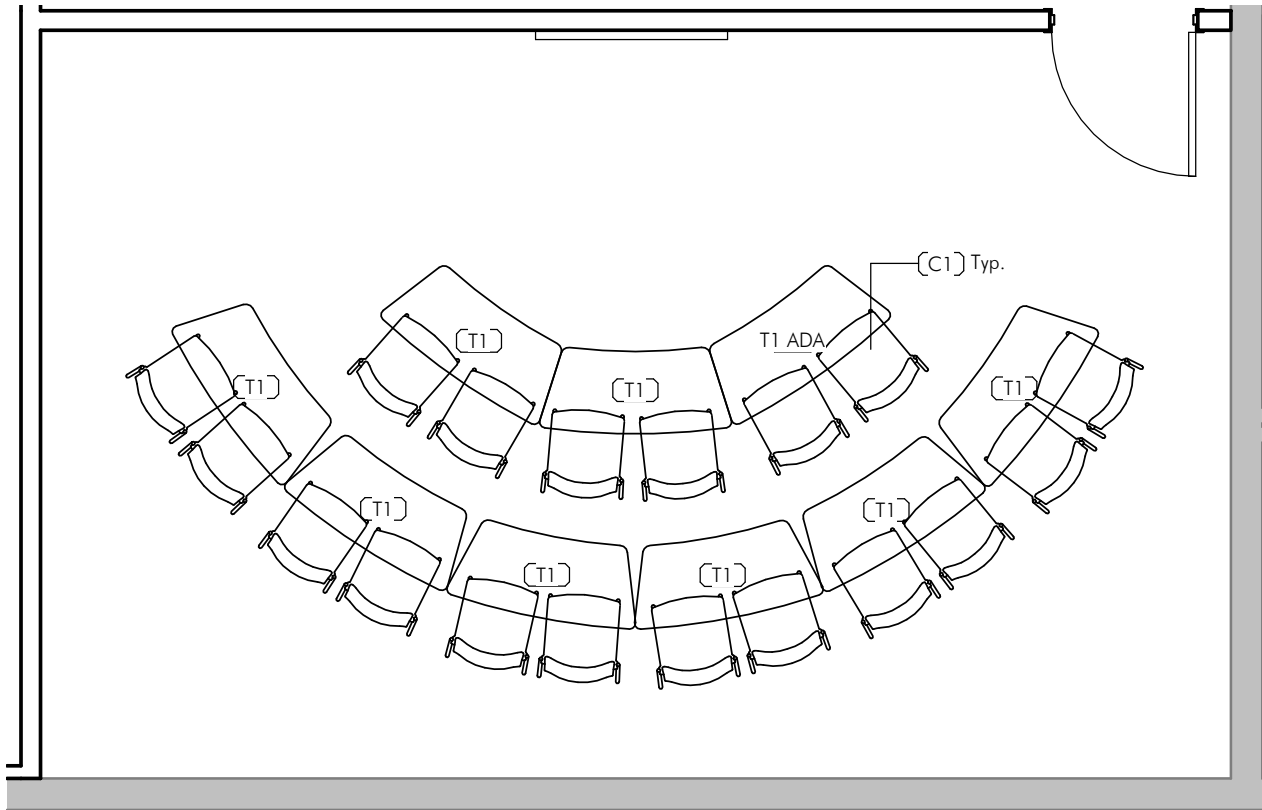
Basement - Classroom 0019

Project: 2012001b

Date: 2013.02.26

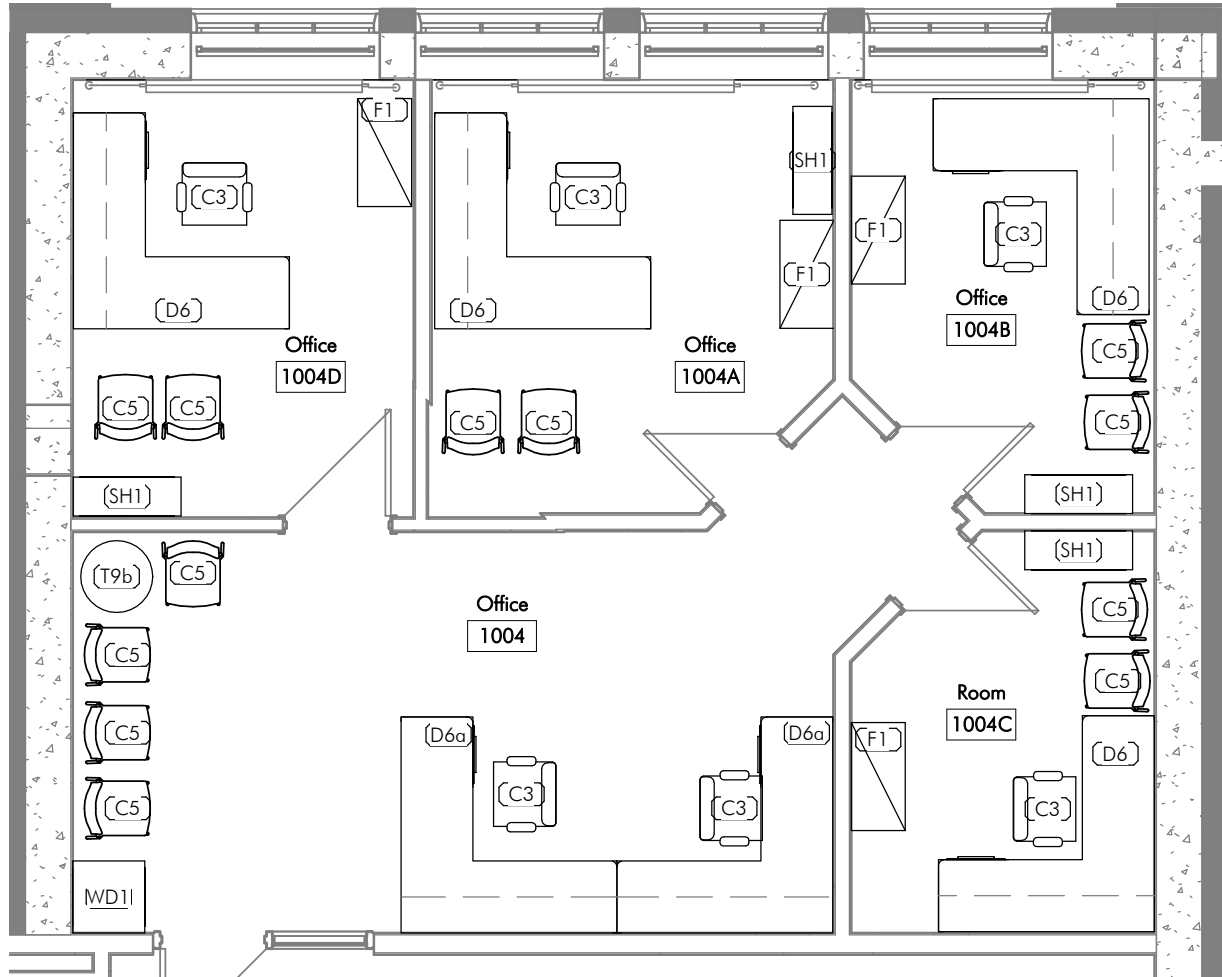
Drawn By: JKF

F.05
Rev.



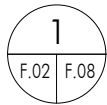
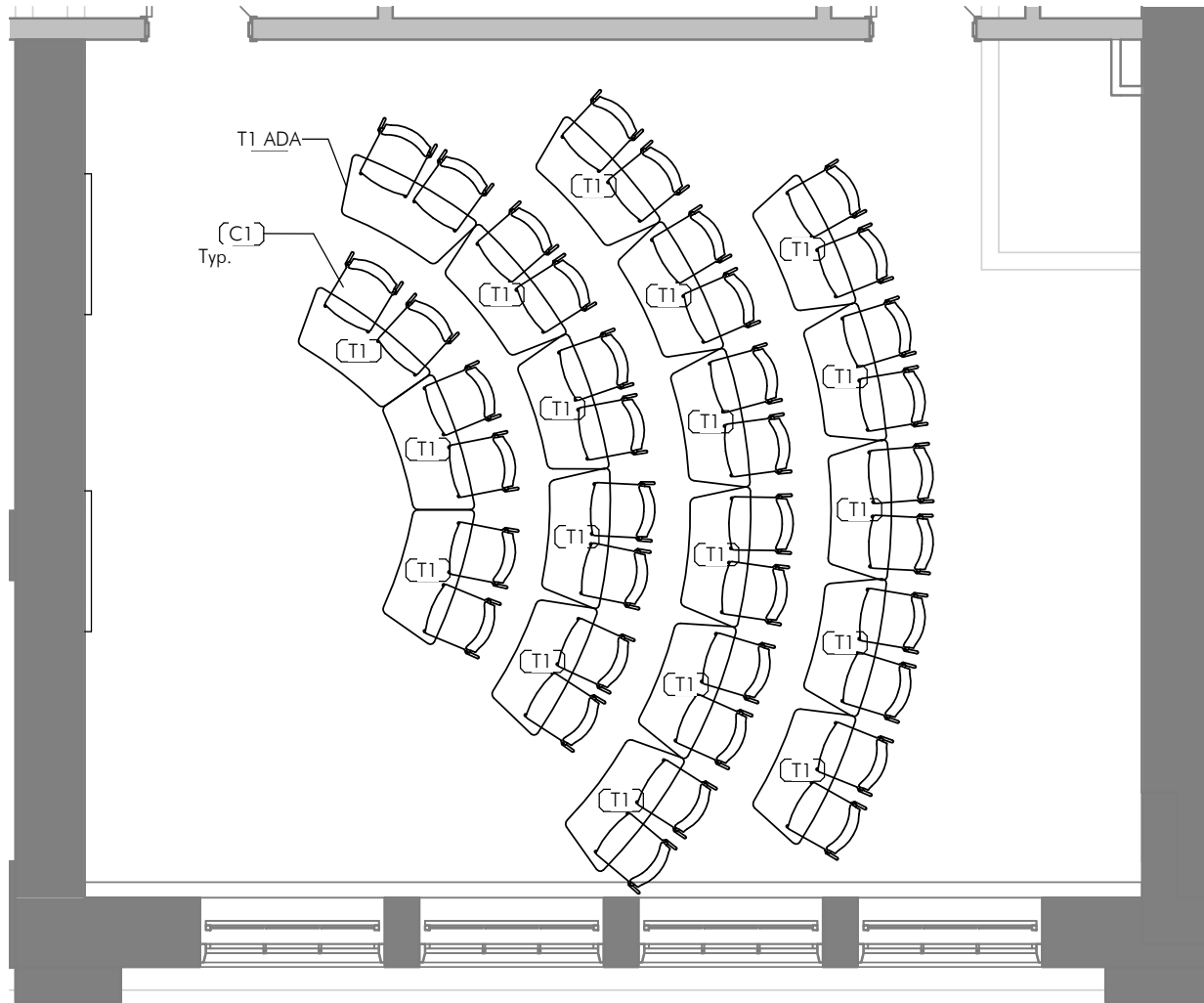
1 Seminar 0019J
 F.01 | F.06 scale = 1/4" = 1'-0"

C:\Revit Projects\2012001_ARCH_L1.rvt



1 Enlarged 1004 Office
 F.02 F.07 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L1.rvt



Enlarged 1005 Classroom

scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt

FORM ARCHITECTURE
ENGINEERING

131 Court Street North, Thunder Bay, ON P7A 4V1 Canada
p 807.345.5582 f 807.345.4093 e info@formarchitecture.ca

BETTER PLACES FOR PEOPLE
www.formarchitecture.ca

Project Name:

Lakehead University - PACI
Law School Interior Renovations

Drawing Title:

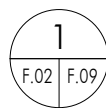
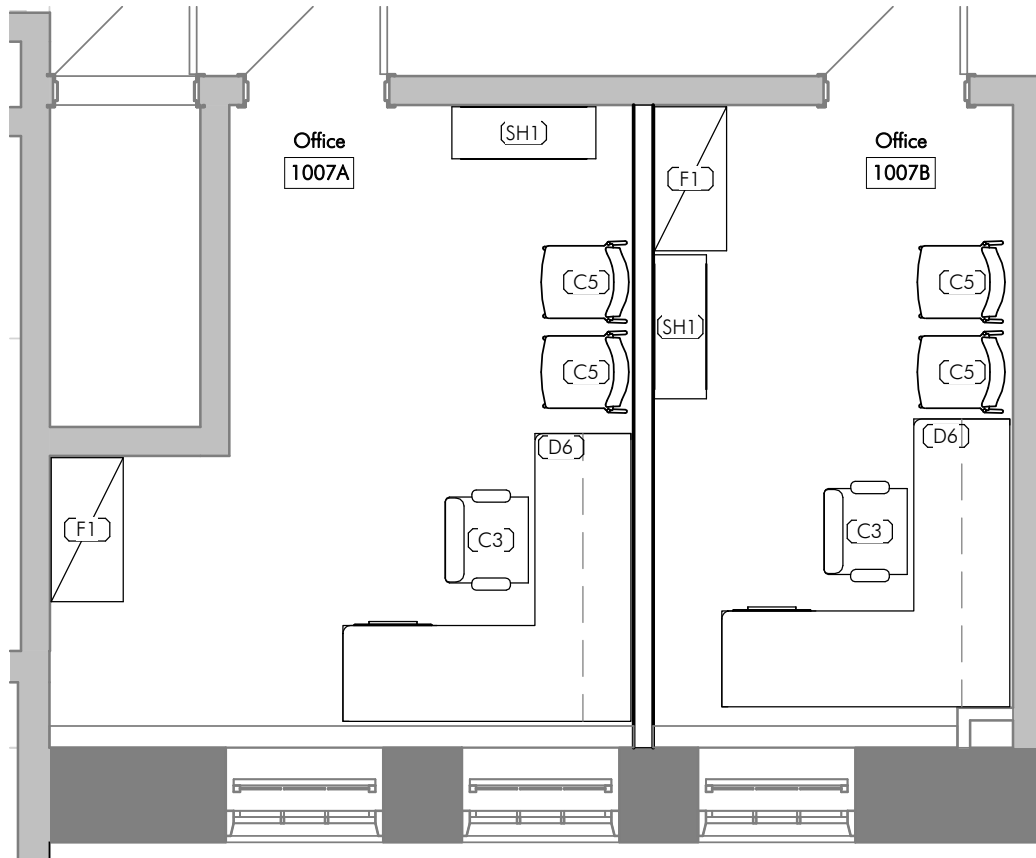
Main Floor - Classroom 1005

Project: 2012001b

Date: 2013.02.26

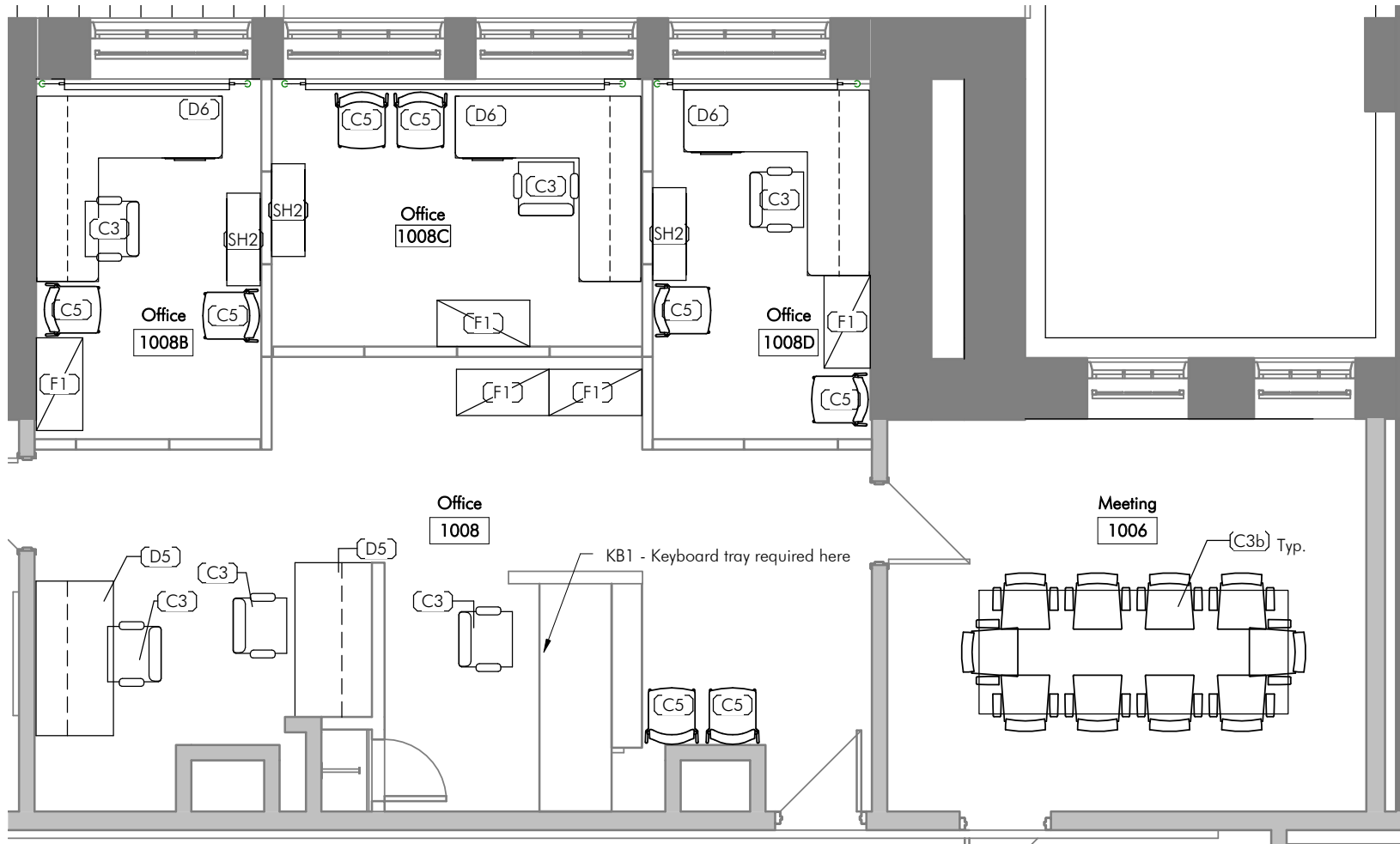
Drawn By: JKF

F.08
Rev.



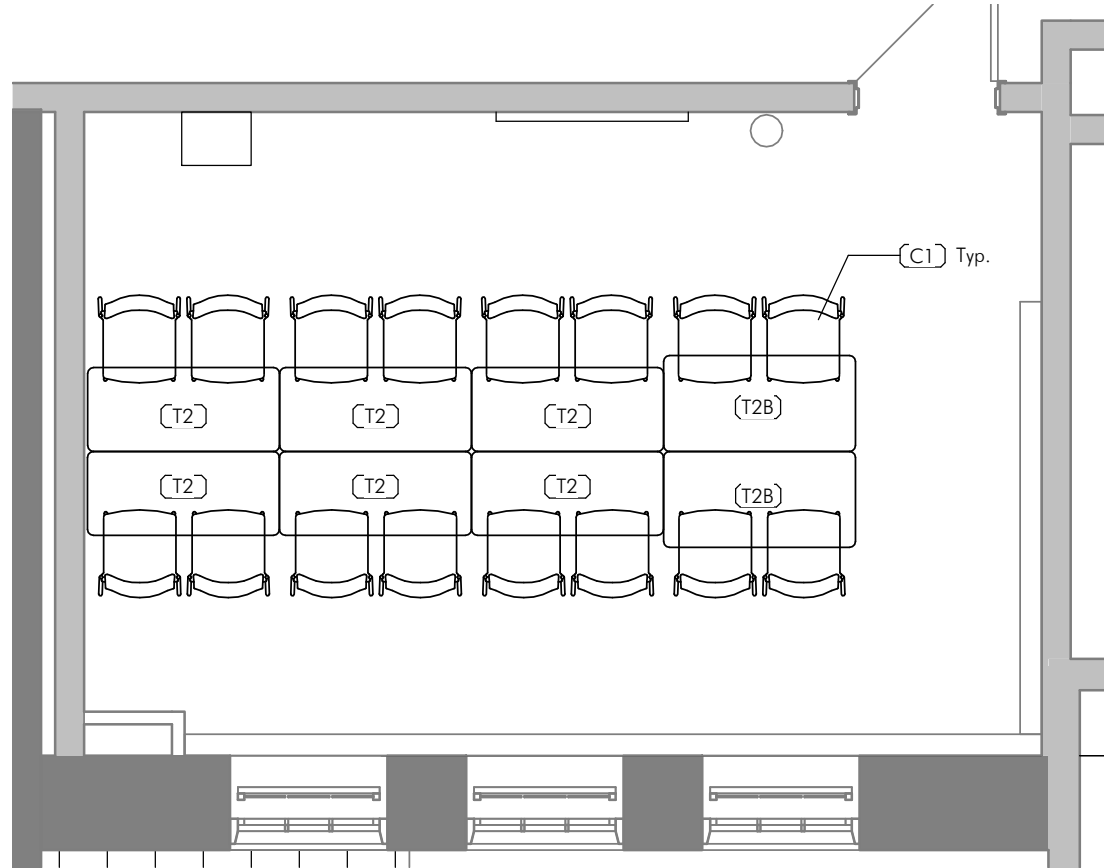
Main Floor Office 1007A/1007B

scale = 1/4" = 1'-0"

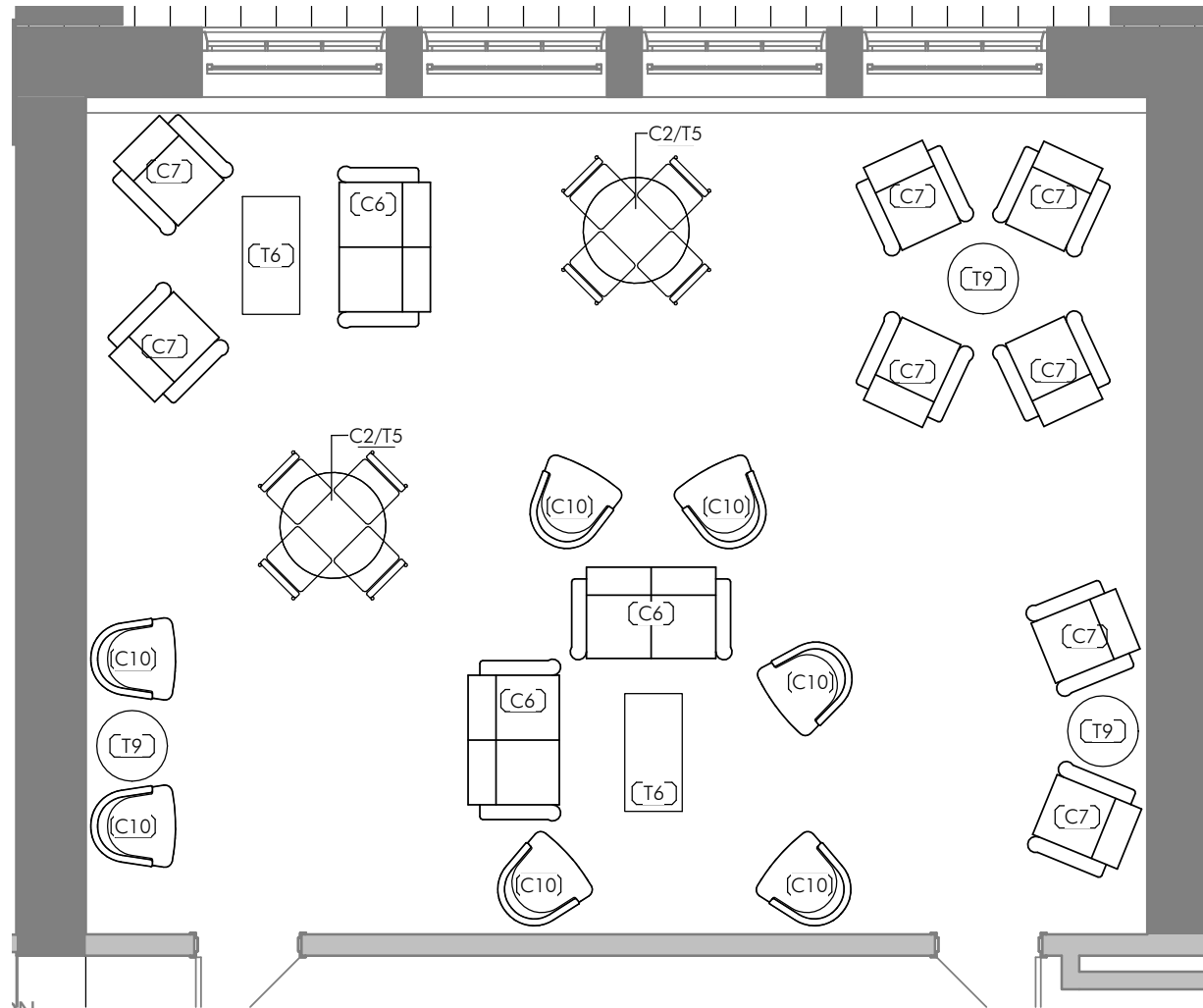


1 Enlarged 1008 Office
 F.02 F.10 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_Lrv

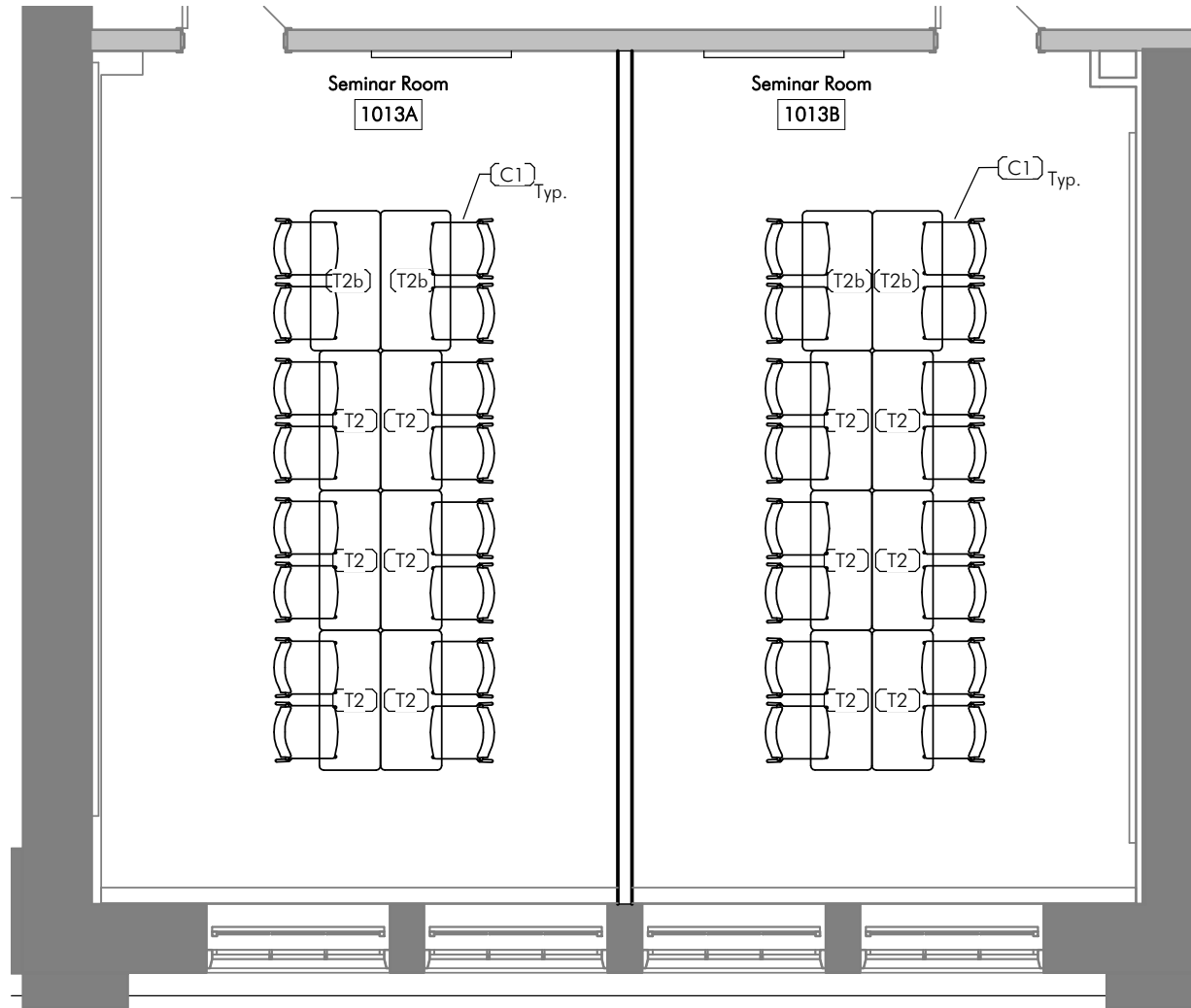


1 Enlarged 1011 Seminar Room
 F.02 F.11 scale = 1/4" = 1'-0"



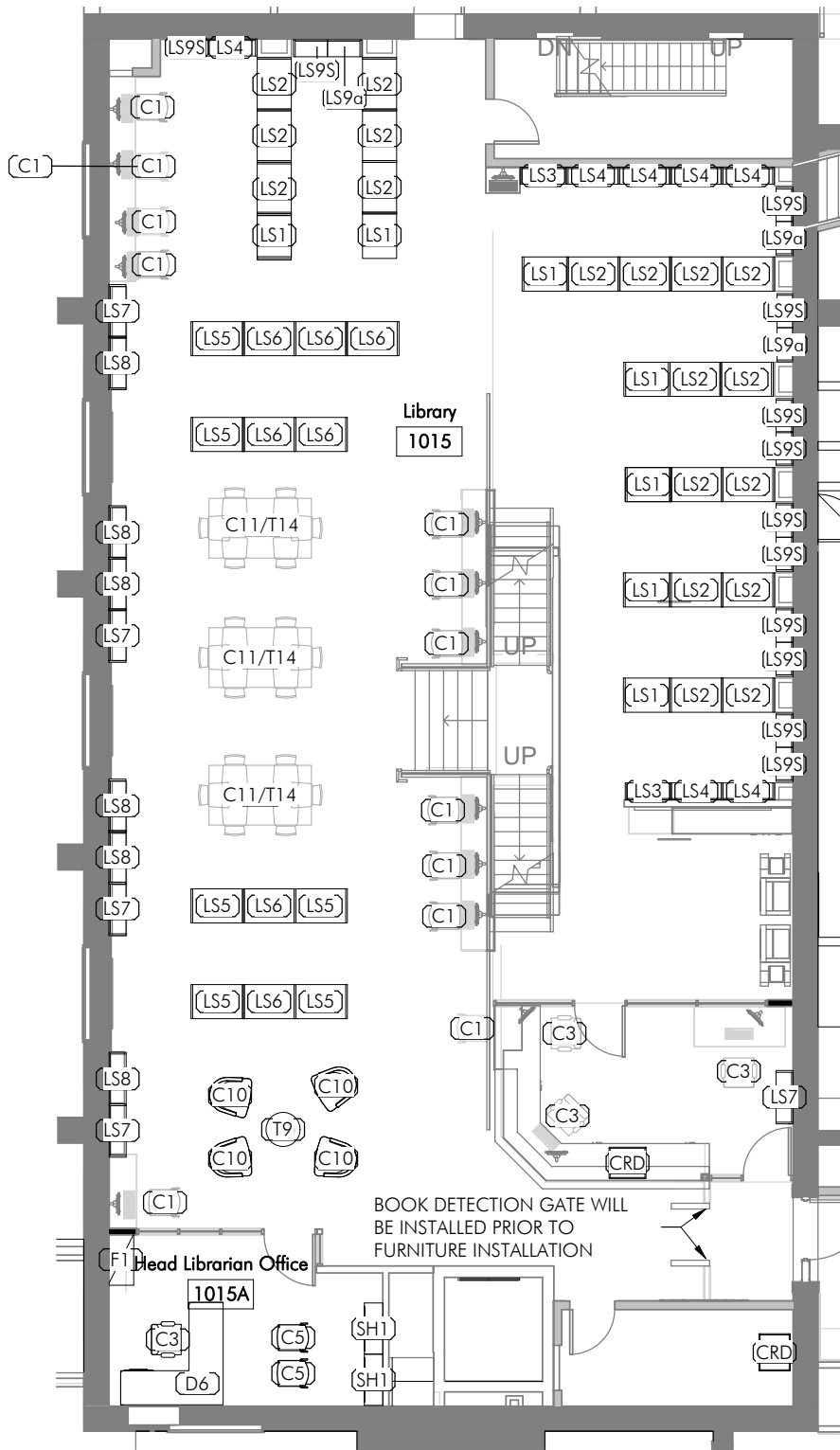
1 Enlarged 1012 Student Chambers
 F.02 | F.12 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L1.rvt



1 Enlarged 1013A/1013B Seminar Room
 F.02 F.13 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L\rv



1 Enlarged 1015 Library
 F.02 F.14 scale = 3/32" = 1'-0"

C:\Revit Projects\2012001 ARCH L.rvt

FORM ARCHITECTURE
 ENGINEERING

131 Court Street North, Thunder Bay, ON P7A 4V1 Canada
 p 807.345.5582 f 807.345.4093 e info@formarchitecture.ca

BETTER PLACES FOR PEOPLE
 www.formarchitecture.ca

Project Name:

Lakehead University - PACI
 Law School Interior Renovations

Drawing Title:

Main Floor - Library 1015/1016

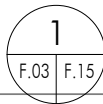
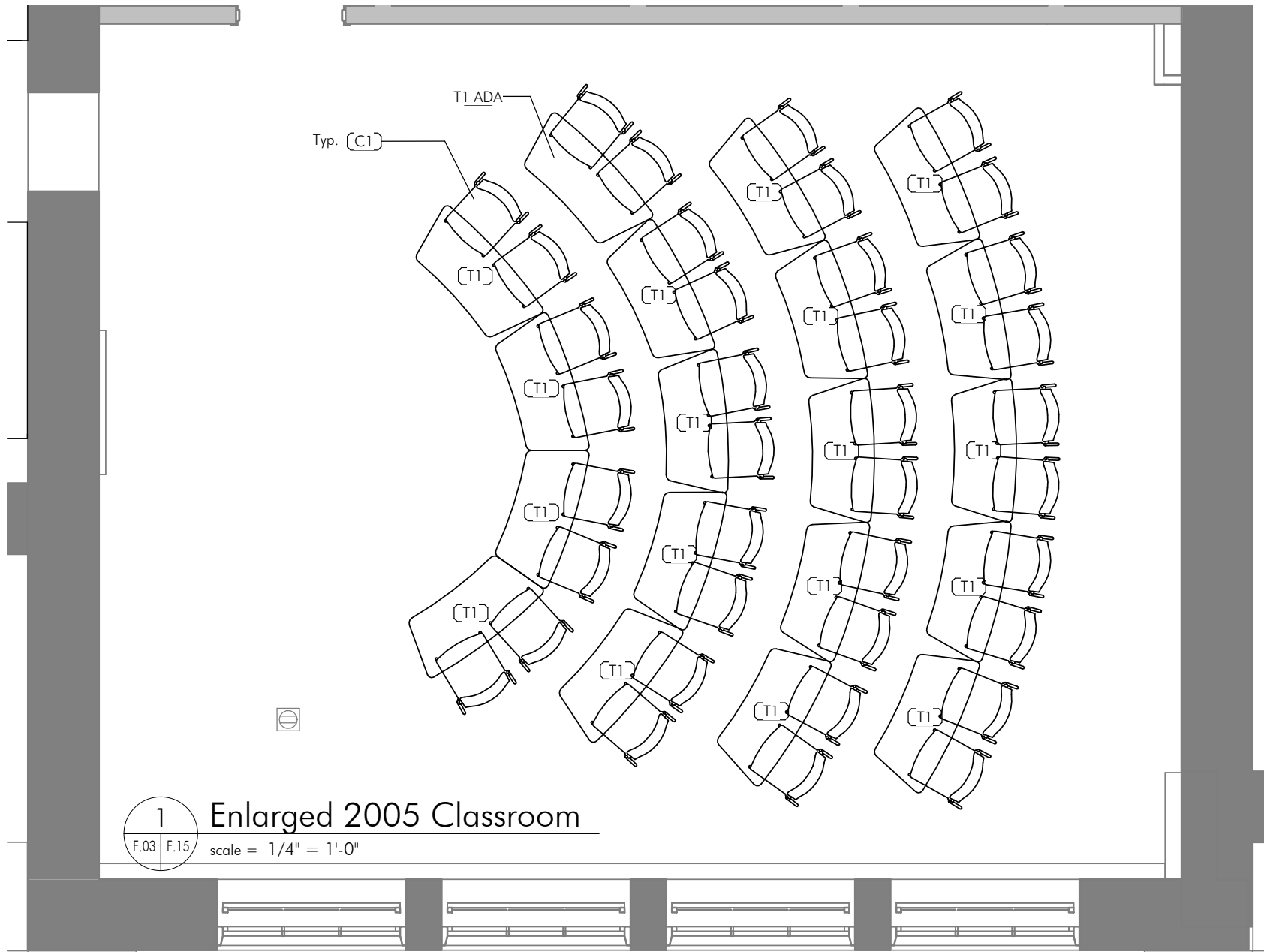
Project: 2012001b

Date: 2013.02.26

Drawn By: JKF

F.14
 Rev.

C:\Revit Projects\2012001_ARCH_L.rvt



Enlarged 2005 Classroom

scale = 1/4" = 1'-0"

FORM ARCHITECTURE
ENGINEERING

131 Court Street North, Thunder Bay, ON P7A 4V1 Canada
p 807.345.5582 f 807.345.4093 e info@formarchitecture.ca

BETTER PLACES FOR PEOPLE
www.formarchitecture.ca

Project Name:

Lakehead University - PACI
Law School Interior Renovations

Drawing Title:

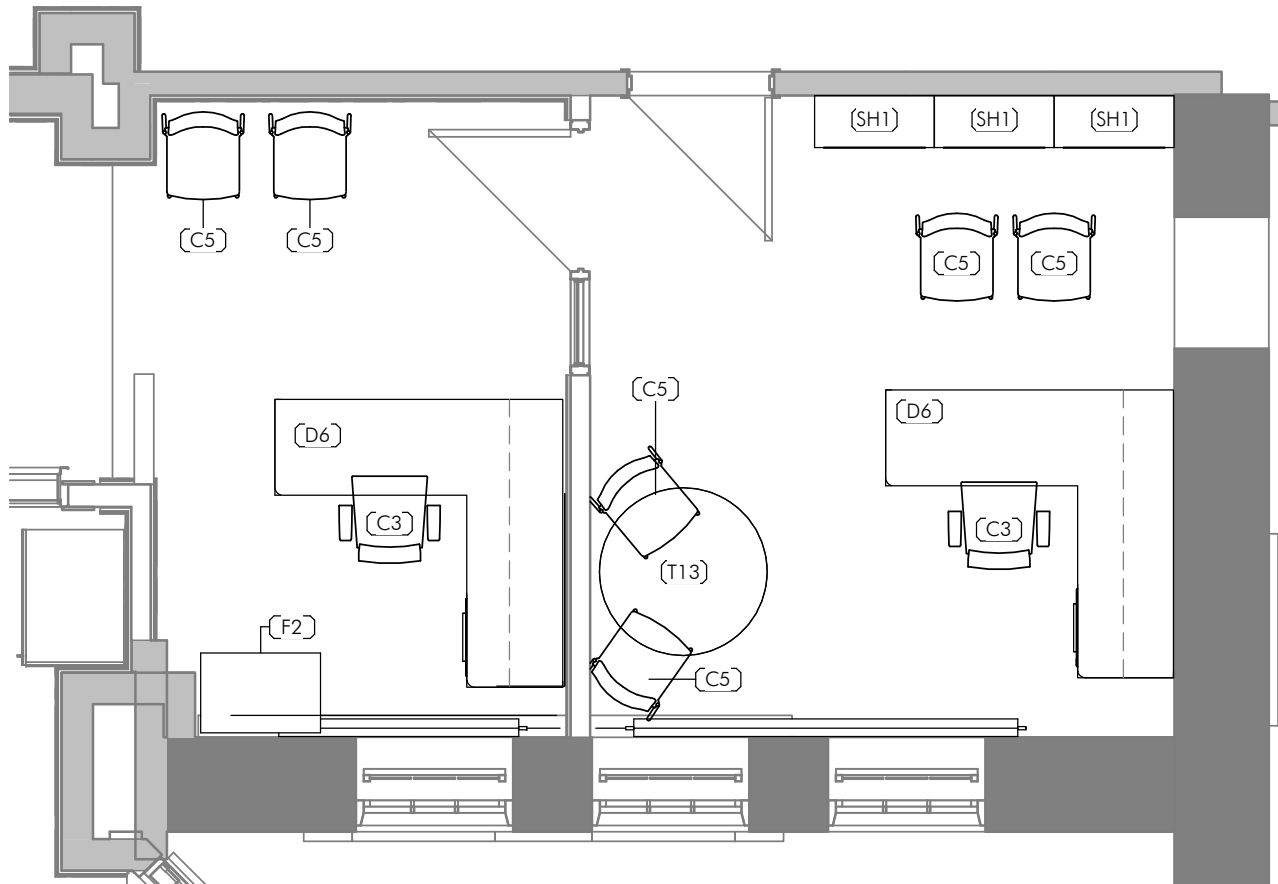
Second Floor - Classroom 2005

Project: 2012001b

Date: 2013.02.26

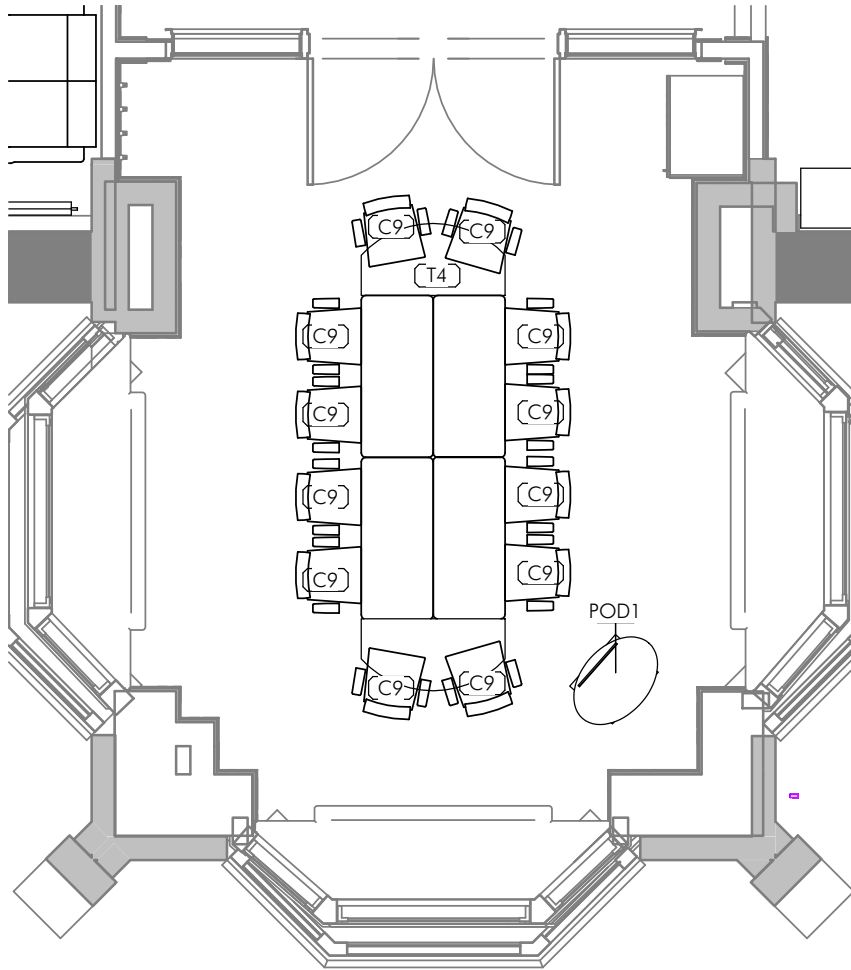
Drawn By: JKF

F.15
Rev.



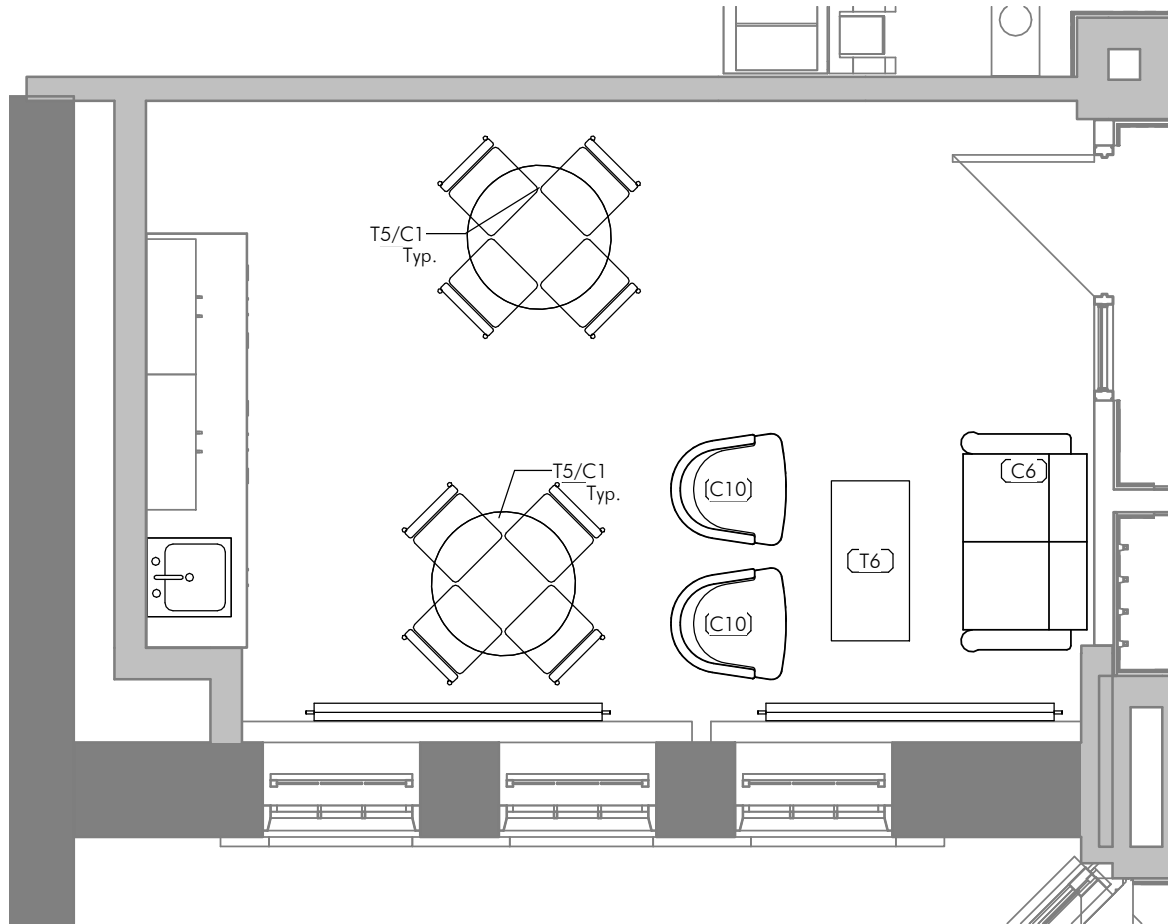
1 Enlarged 2007A Admin. / 2005A Dean's Office
 F.03 | F.16 scale = 1/4" = 1'-0"

C:\Revit Projects\2012001_ARCH_L1.rvt



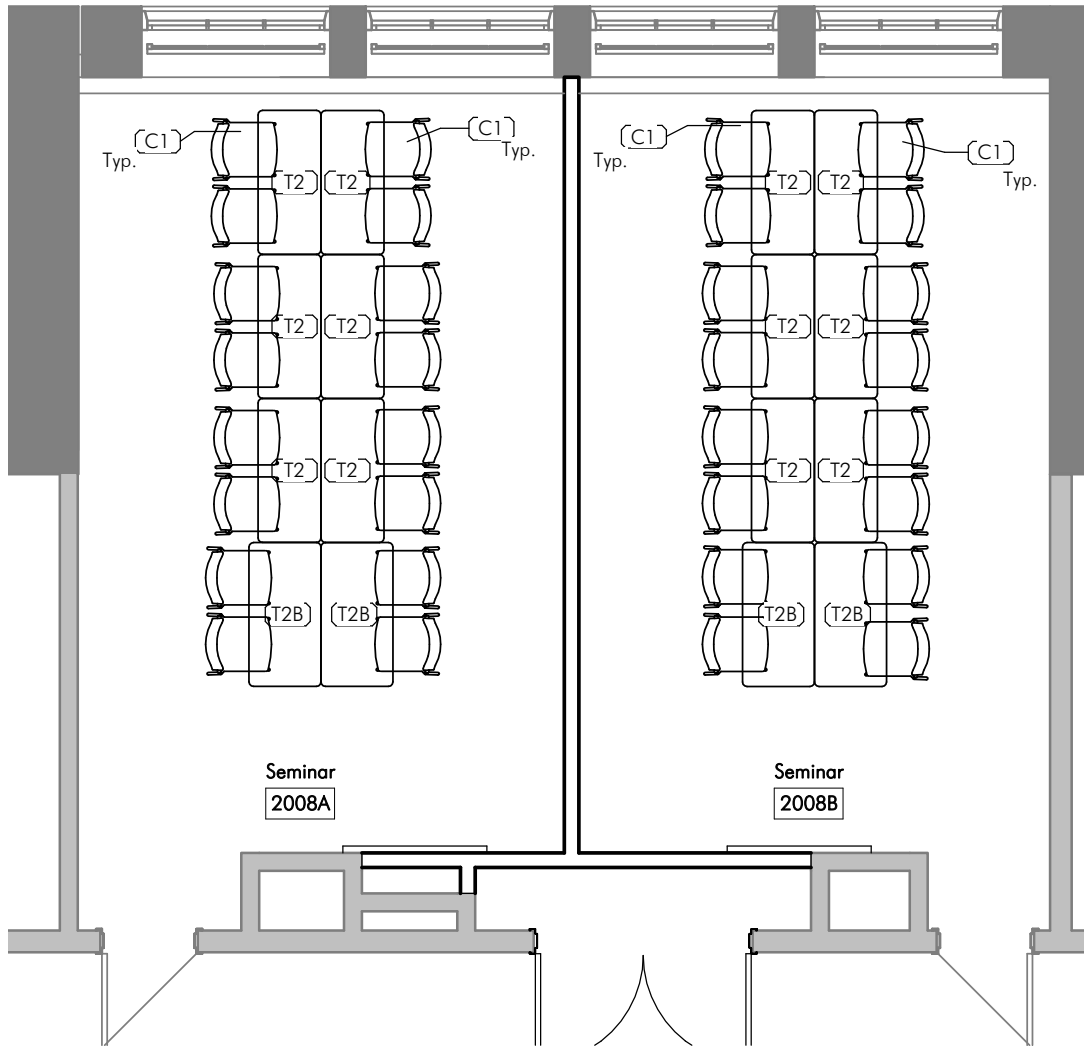
1 Enlarged 2007B Boardroom
 F.03 | F.17 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt



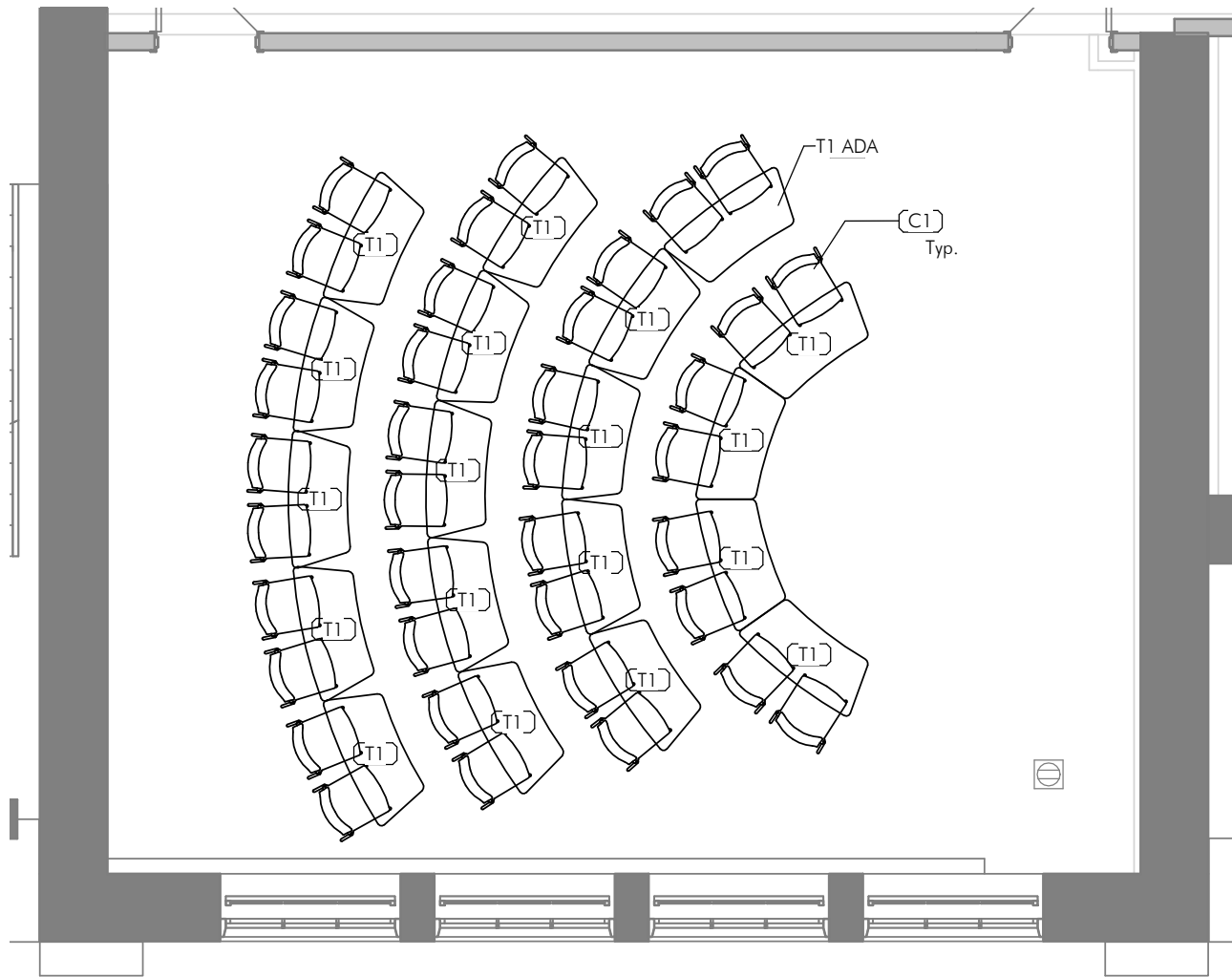
1 Enlarged 2007C Staff/ Meeting Room
 F.03 | F.18 scale = 1/4" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt



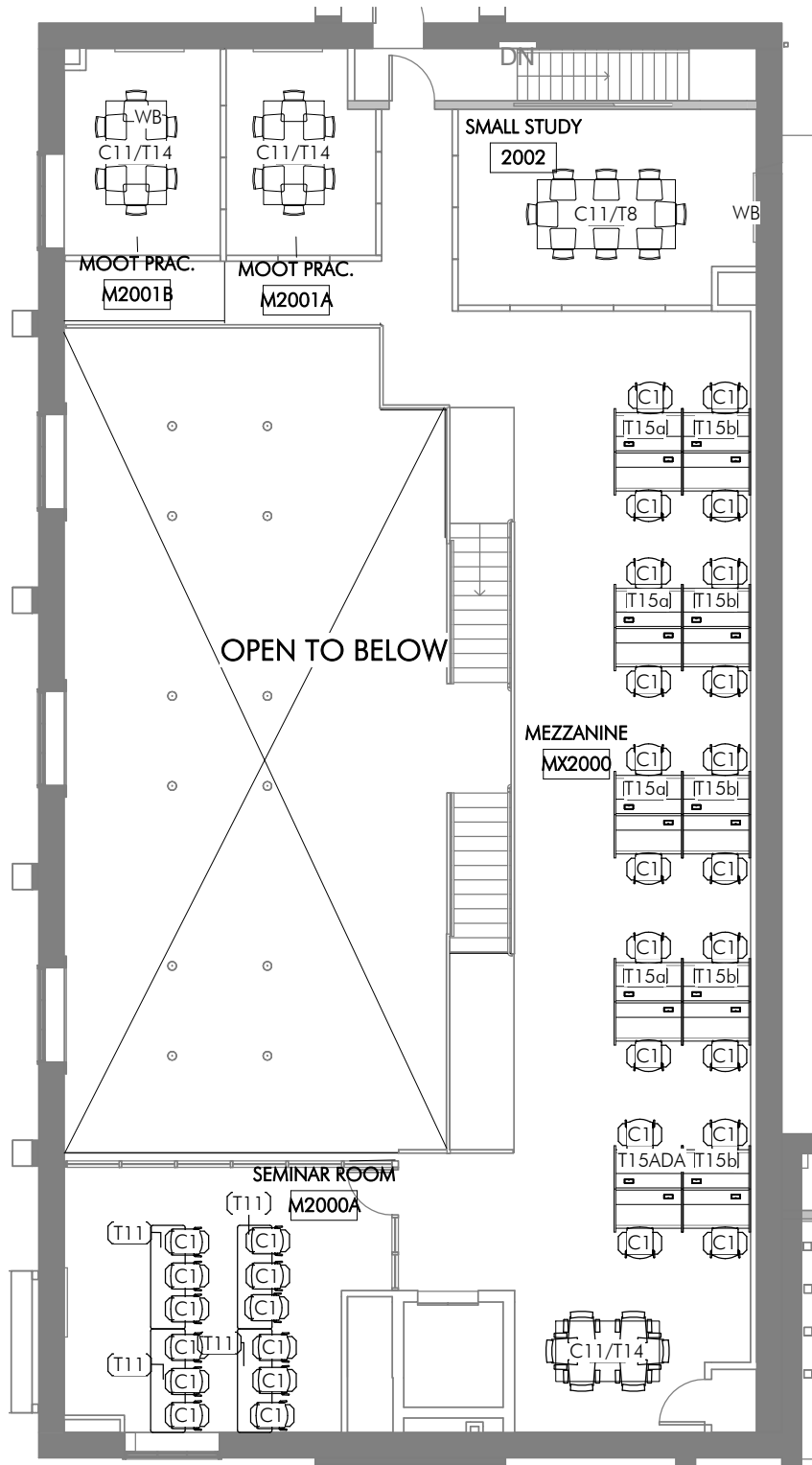
1 Enlarged Seminar 2008A/2008B
 F.03 F.19 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt



1 Enlarged 2009 Classroom
 F.03 F.20 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt



1 Enlarged Library Mezzanine
 F.03 F.21 scale = 3/32" = 1'-0"

C:\Revit Projects\2012001 ARCH L.rvt

FORM ARCHITECTURE
 ENGINEERING

131 Court Street North, Thunder Bay, ON P7A 4V1 Canada
 p 807.345.5582 f 807.345.4093 e info@formarchitecture.ca

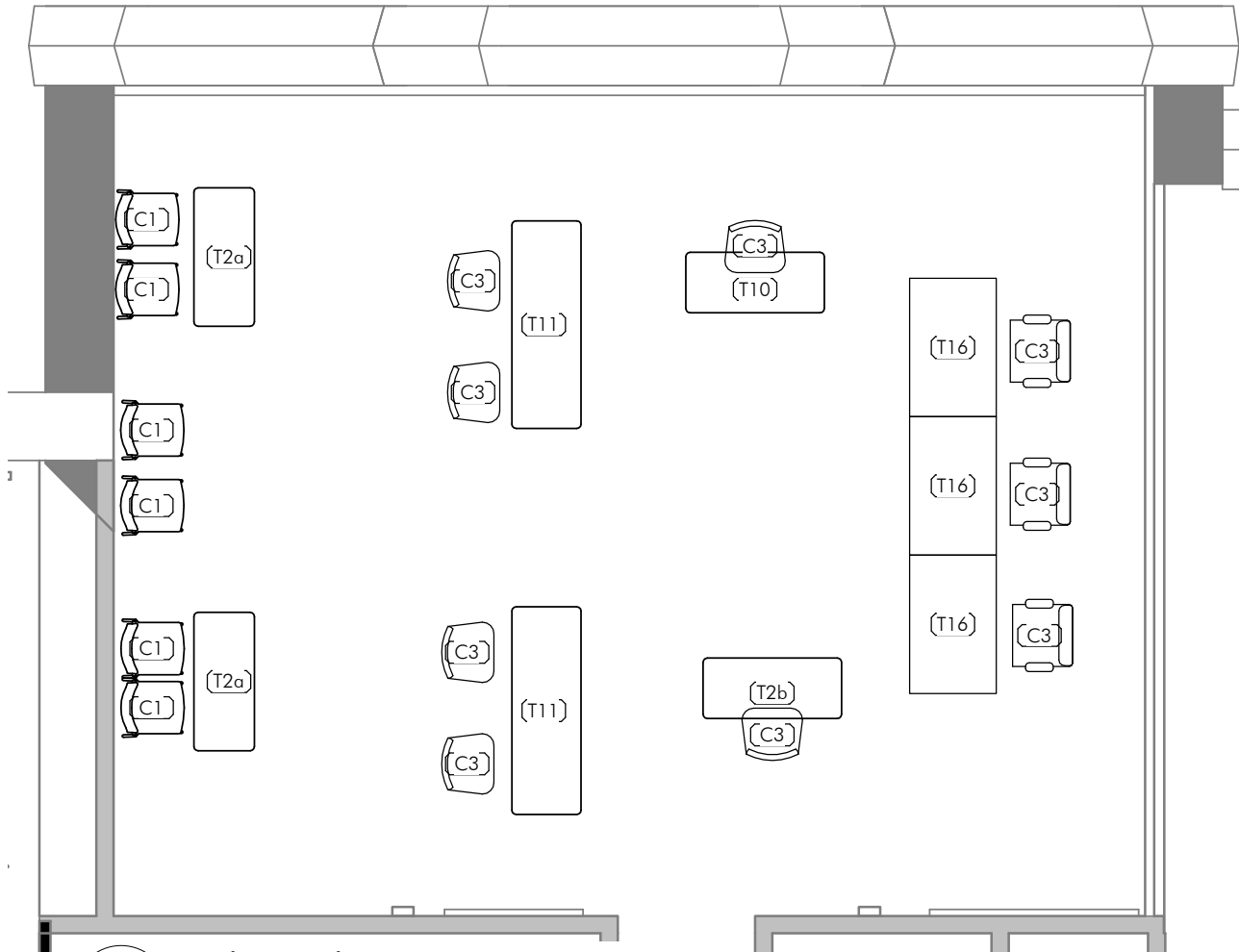
BETTER PLACES FOR PEOPLE
 www.formarchitecture.ca

Project Name:
**Lakehead University - PACI
 Law School Interior Renovations**

Drawing Title:
Library Mezzanine

Project: 2012001b
 Date: 2013.02.26
 Drawn By: JKF

F.21
 Rev.



1
F.04 | F.22

Enlarged 3004 Moot Court

scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt

FORM ARCHITECTURE
ENGINEERING

131 Court Street North, Thunder Bay, ON P7A 4V1 Canada
p 807.345.5582 f 807.345.4093 e info@formarchitecture.ca

BETTER PLACES FOR PEOPLE
www.formarchitecture.ca

Project Name:

Lakehead University - PACI
Law School Interior Renovations

Drawing Title:

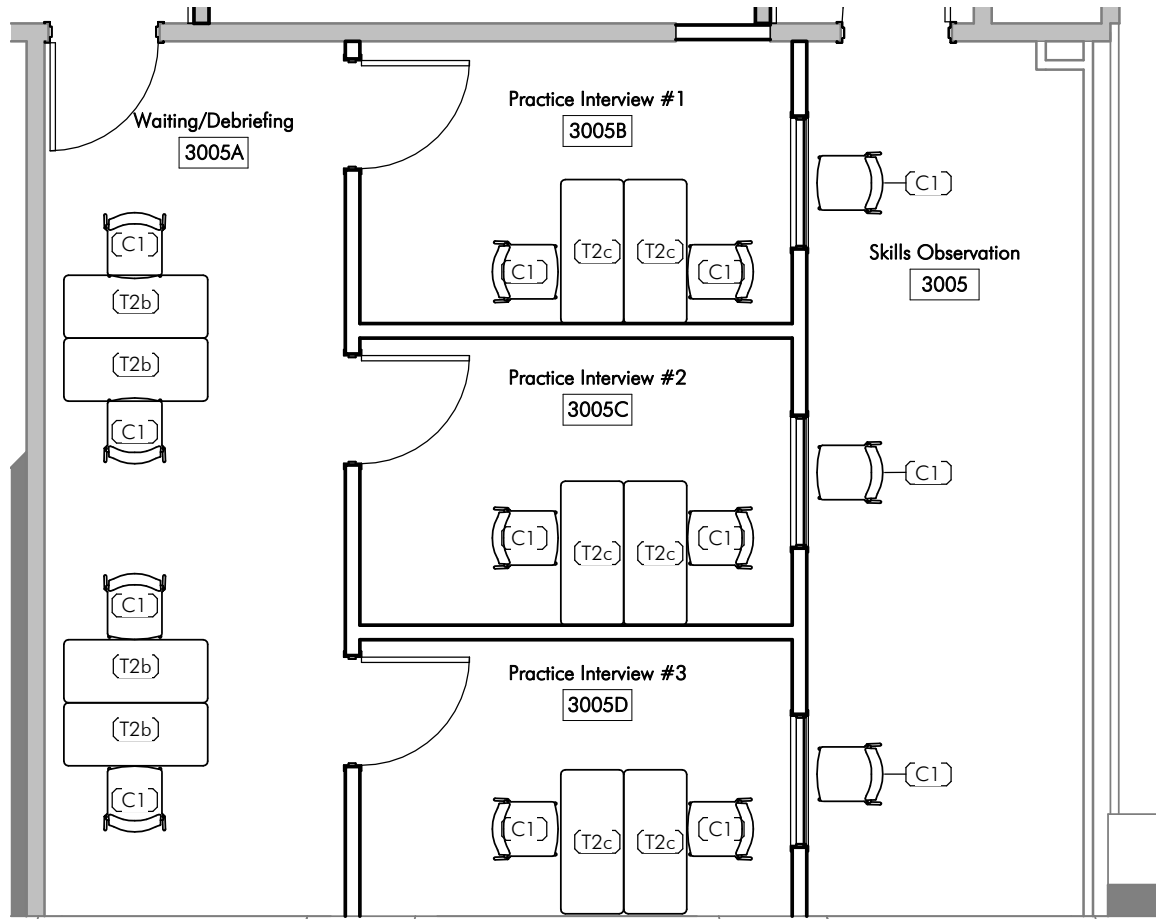
Third Floor - Moot Court 3004

Project: 2012001b

Date: 2013.02.26

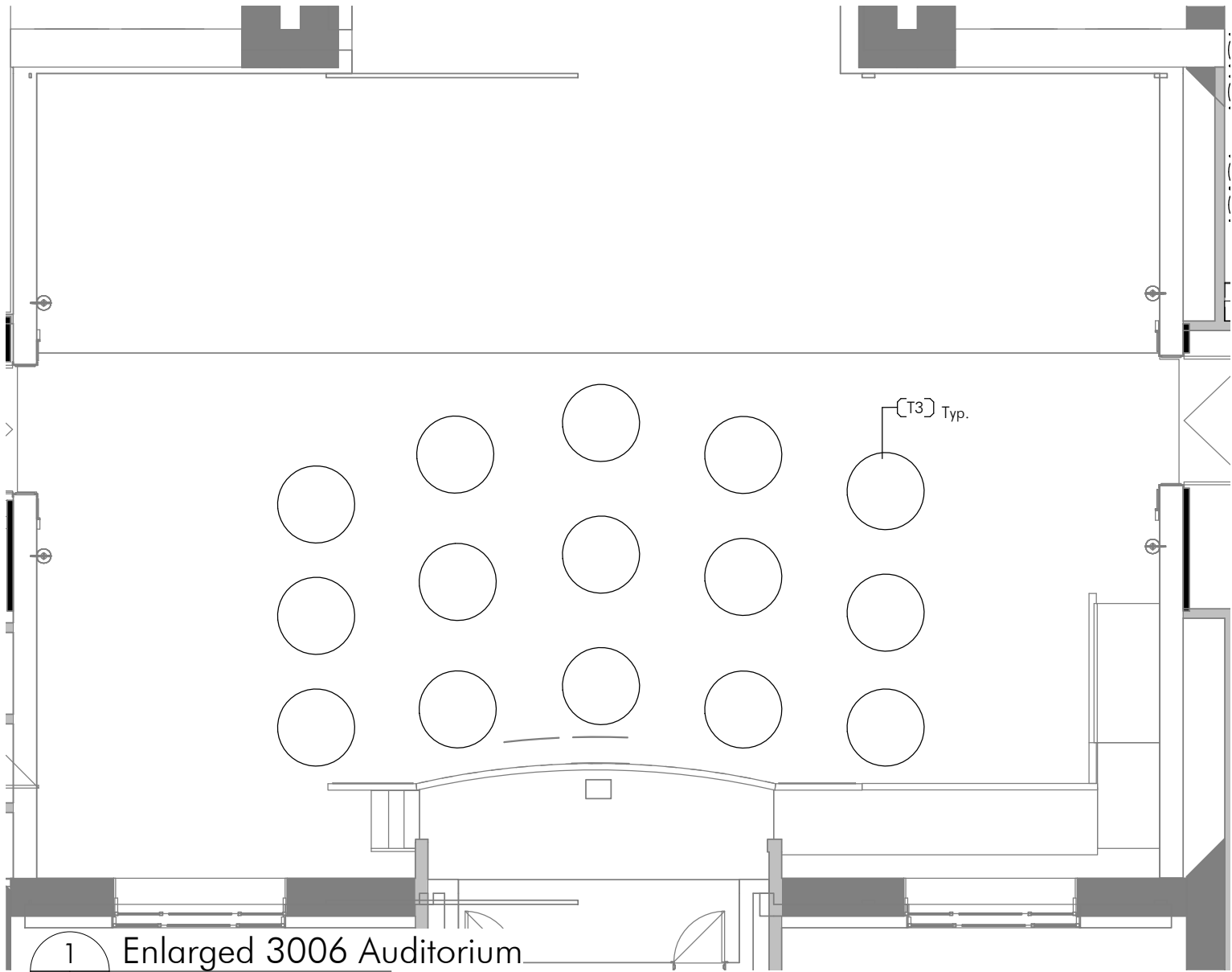
Drawn By: JKF

F.22
Rev. 'I'



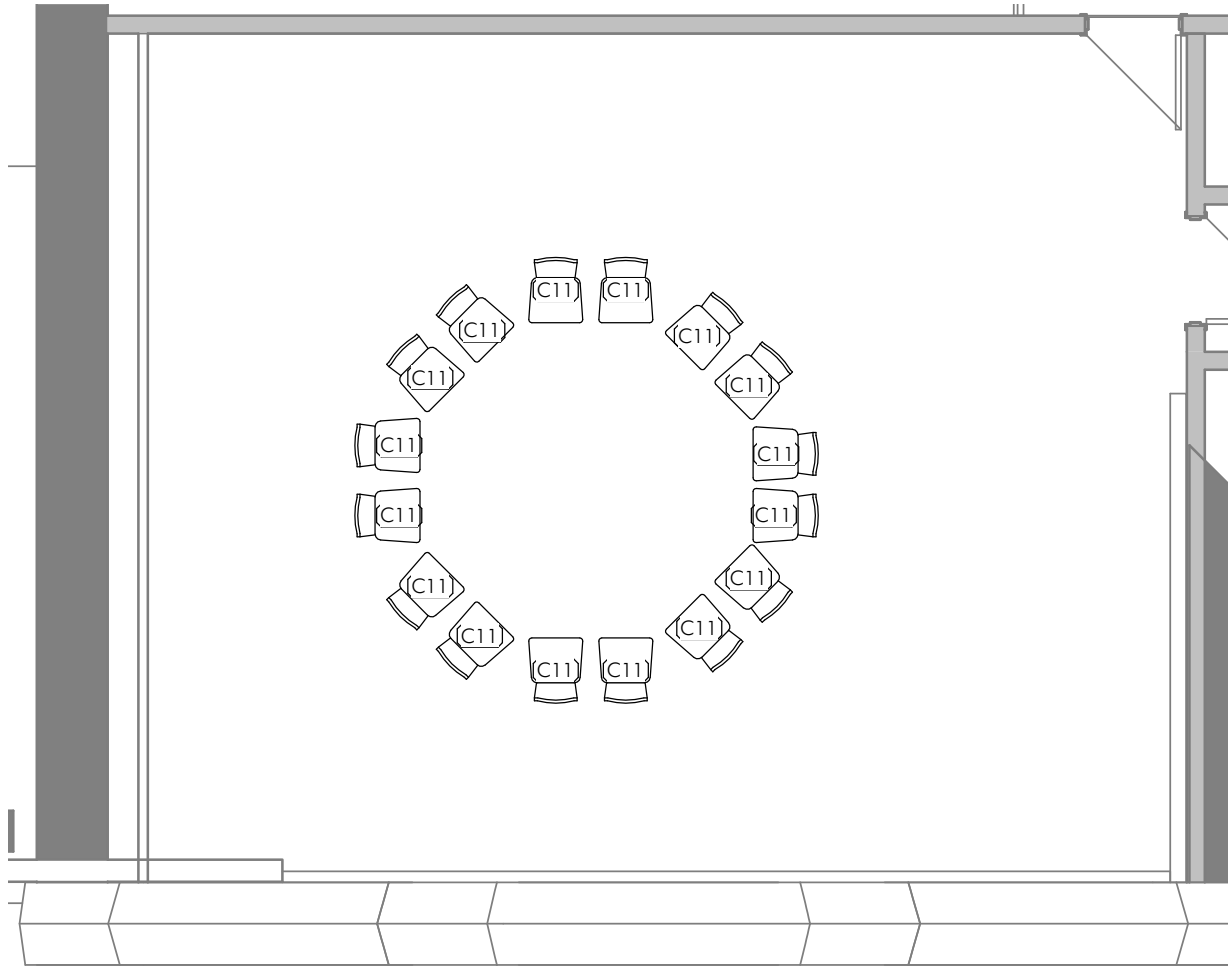
1 Enlarged 3005 Skills Observation Suite
 F.04 F.23 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt



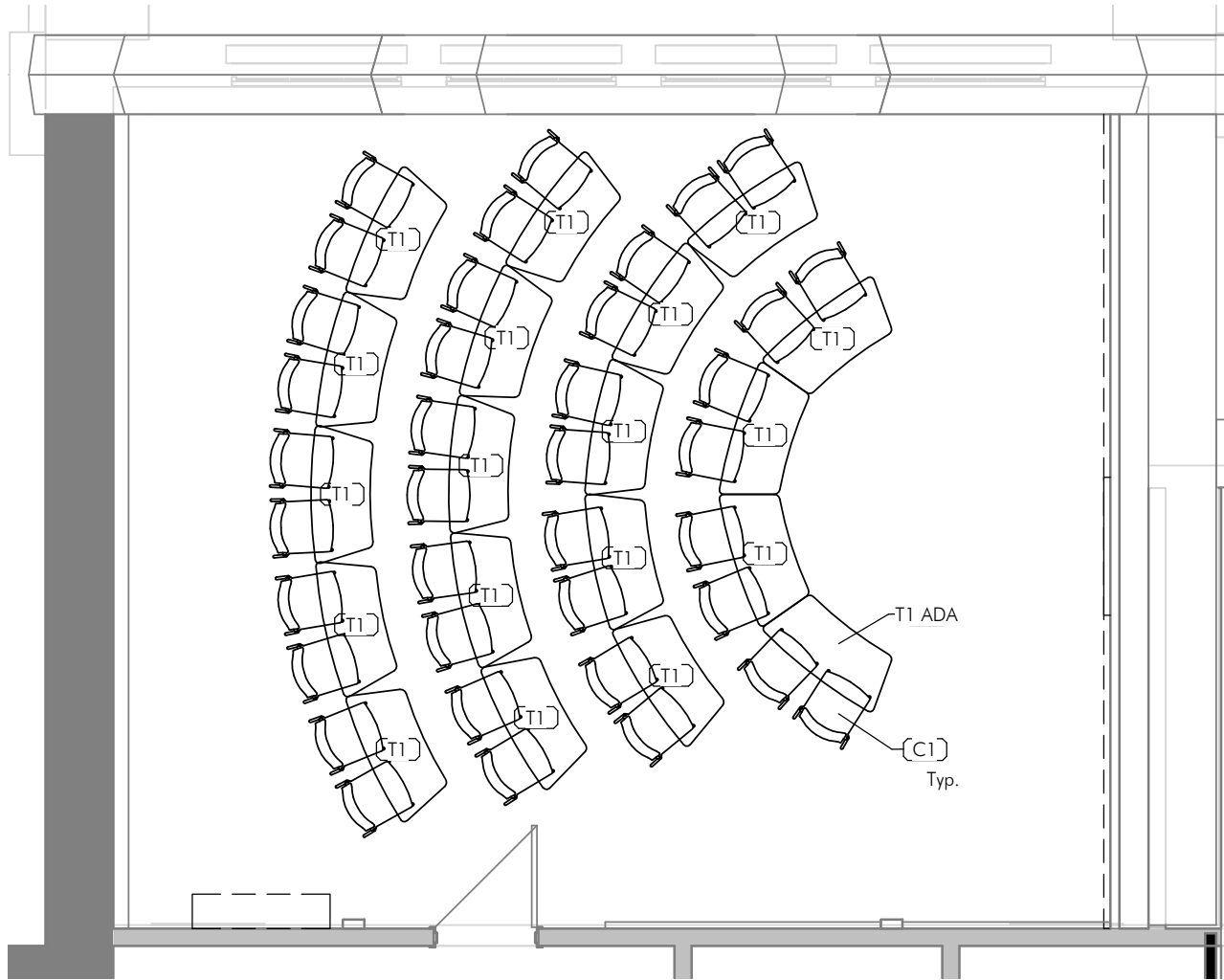
1 Enlarged 3006 Auditorium
 scale = 1/8" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt



1 Enlarged 3007 Restorative Justice
 F.04 F.25 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH1.rvt



1 Enlarged 3008 Classroom
 F.04 F.26 scale = 3/16" = 1'-0"

C:\Revit Projects\2012001_ARCH_L.rvt

CrossRoads® Library Furniture

General Information

SPECIFICATIONS

Study Table Top

Tabletop is 1-1/4" thick, particleboard core construction with .05" high pressure laminate facer and .026" backer on the underside. All four edges shall be banded with a 1-1/4" thick and 2" wide solid oak or maple external knife edge laminated to core after application of the facer laminate. The edge is beveled to a .25" radiused bullnose at the top. The edge band has mitered corners. Table tops are offered without grommets, with grommets, or with PowerUp® modules. Grommets and PowerUp® modules fit in the same size top cutout. For grommet and PowerUp® options, placement on table top will either be in the table center or offset to one edge. Offset grommet or PowerUp® locations will be centered on the longest outside edge of the table and 7-3/4" from the table edge to the center of the grommets or PowerUp®. For round and square tables, grommet or PowerUp® placement on the outer edge of the table will be centered on the outer edge between two legs.

Study Table Legs

The legs are attached to the apron using a heavy gauge metal plate with two heavy-duty anchoring bolts. The legs are 2-1/4" square glued up face to face. All of the edges are eased with a 1/4" radius. For tables with grommets or PowerUp®, cords are managed by the vertical leg wire manager or the wood routed wireway. Leg wireway is scuff-resistant, high-impact rigid PVC plastic and is fastened to the leg with full-length adhesive bond. The solid wood routed wireway is 1" wide and 3/4" deep and runs from the bottom of the leg to just under the intersection with the apron. 1/4" solid wood cap attaches with (6) knurled thumbscrews. Both are UL approved.

Study Table Aprons

A 3/4" thick solid oak or maple apron rail is fit between the legs on all four sides of the table. The apron shall be machined to have a full length arch that is 3-7/8" high at the ends and 2" at the center. The apron rails are screwed to the underside of the top. Optional apron has straight bottom with a beveled face.

Study Table Glides

Each leg has a 2" diameter nylon-based adjustable leveling glide with a 1-1/2" thread stem.

Study Table Worksurface Height

Standard height is 29". Optional 27" or 32" heights may be specified.

Study Table Routed Wireway

Solid wood routed wireway, 1" wide x 3/4" deep runs from bottom of leg to just under intersection with apron. 1/4" solid wood cap attaches with (6) knurled thumbscrews. UL approved.

Panel End Table Top

Tabletop is 1-1/4" thick, particleboard core construction with .05" high pressure laminate facer and .026" backer on the underside. All four edges shall be banded with a 1-1/4" thick and 2" wide solid oak or maple external knife edge laminated to core after application of the facer laminate. The edge is beveled to a .25" radiused bullnose at the top. The edge band is mitered at all four corners. Table tops are offered without grommets, with grommets, or with PowerUp® modules. Grommets and PowerUp® modules fit in the same size top cutout. For grommet and PowerUp® options, placement on table top will either be in the table center or offset to one edge. Offset grommet or PowerUp® locations will be centered on the longest outside edge of the table and 7-3/4" from the table edge to the center of the grommets or PowerUp®.

Panel End Table End Panels

The end panels are 1-3/16" thick, particle core construction with select oak or maple veneer on both faces. The verticle edges of the panel are banded with a 1.5mm thick solid oak or maple external band with a 1/32" radius on all edges. The panel base is solid oak or maple with a .13" deep x .38" high reveal groove. The base is glued and screwed to the bottom of the end panel. The end panels are attached to the top using two 21" long, steel "L" brackets with six screws per bracket. The longitudinal stabilizing keel shall be 3/4" thick x 7" wide, particleboard construction with select oak or maple face and back. Bottom edge is banded with 1.5mm solid oak or maple and attached to the end panels and the top using mortise and tenon joinery. For tables with grommets or PowerUp®, cords are managed by the vertical leg wire manager

Panel End Table Glides

Each end and intermediate panel has a pair of 1-1/8" diameter steel-based adjustable leveling glide with a 1-1/4" threaded stem.

Panel End Table Worksurface Height

Standard height is 29".

Study and Stand-up Carrels Top

The worksurface is 1-1/4" thick x 33-1/2" or 45-1/2" wide x 27-1/2" deep, particleboard core construction with .05" high pressure laminate facer and .026" backer on the underside. Exposed edge shall be banded with a 1-1/4" thick and 2" wide solid oak or maple external knife edge laminated to core after application of the facer laminate. The edge is beveled to a .25" radiused bullnose at the top. The worksurface is attached to the end panels and back with a 21" long, steel "L" bracket screwed into brass inserts in the panel and then screwed into the top of the worksurface.

Study and Stand-up Carrels End Panels

The end panels are 1-3/16" thick particleboard core construction with Grade A oak or maple veneer on both faces. The vertical

edges of the panel are banded with a 1.5mm thick solid oak or maple external band with a 1/32" radius on all edges. The panels have brass inserts for mounting the worksurface at four different heights (25", 27", 29" and 32" ADA heights). The panel base is select solid oak or maple with a .13" deep x .38" high reveal groove. The base is glued and screwed to the bottom of the end panel. End panels for study and stand-up carrels are machined on one side.

Study and Stand-up Carrels Shared Panels

The intermediate panels are the same construction as the end panels, however, the worksurface and shelf inserts are on both sides of the panel. Shared panels for study and stand-up carrels are machined on both sides.

Study and Stand-up Carrels Back Panels

The back panels are 3/4" thick, 5-ply particleboard core construction with Grade A oak or maple veneer on both faces. The top and bottom edges of the panel are banded with a 1.5mm thick solid oak or maple external band with a 1/32" radius on all edges. The top edge is located 6-1/2" down from the top of the end panels and 4" up from the bottom. Back panels are attached to end panels using cam-lock fasteners. Double-faced units share 1-3/4" thick back panel.

Study and Stand-up Carrels Shelf

The storage shelf shall be 3/4" thick x 33-1/2" or 45-1/2" wide x 10" deep, plywood core construction. Both faces will be covered with select oak or maple veneers and banded on the exposed edge with 1.5mm solid oak or maple. The study carrel shelf is located 15" above the worksurface. The stand-up carrel shelf is located 26" below the worksurface. Shelf is connected to end panels with shoulder screw and insert in panel and cam-lock fasteners in shelf bottom.

Study and Stand-up Carrels Glides

Each end and intermediate panel has a pair of 1-1/8" diameter steel-based adjustable leveling glides with a 1-1/4" threaded stem.

Circulation Desk Top

Joints are secured with steel "L" brackets. Desk top is 1-1/4" thick, particleboard core construction with .05" high-pressure laminate facer and .026" thick backer on the underside.

Circulation Desk Cabinet Construction

The front panels are 3/4" thick, 5-ply plywood with Grade A oak or maple veneer. All exterior faces are matched for color and grain. The side panels are 1-3/16" thick particleboard with Grade A oak or maple veneers and banded on the exposed edge with a 1.5mm solid oak or maple.

Circulation Desk Adjustable Shelves

Adjustable storage shelves are 3/4" thick, 5-ply plywood construction with select oak or

maple veneer and banded on exposed edge with solid oak or maple. Shelves are adjustable in 1-1/4" increments and are notched at the ends over metal dowel support.

Circulation Desk Hinged Doors

Doors are 3/4" thick, MDF construction with Grade A oak or maple veneer on both sides. All four edges are banded with solid oak or maple edge. Each door shall be fitted with brushed aluminum or flat black pull and lock.

Circulation Desk Storage Drawers

All drawer fronts are 3/4" thick, MDF construction with Grade A oak or maple veneer on both sides. All four edges are banded with solid oak or maple edge. Each drawer shall be fitted with brushed aluminum or flat black pull and lock.

Circulation Desk Heights

Depending on the component, various heights are available. 27", 29", 32" and 39" may be specified.

Power and Data Management

Study tables, panel leg tables, study carrels, stand-up computer stations and circulation desk modules are available with grommets, PowerUp® system or the Connect™ single circuit electrical system. The PowerUp® module is 6-1/4" long x 3" wide x 2-1/2" high. The module is constructed of textured polycarbonate and meets UL-VO minimum requirements. The module has one duplex receptacle (110 volts) and two ports for data connectors. The standard module will accommodate most data connectors. The customer purchases the data connectors. The module has a dampened spring-loaded mechanism to allow the unit to open for use and close when not in use. Module comes standard with a 9 ft. cord and 3-prong plug. For both grommets and the PowerUp® system, the underside of the table is provided with a plastic channel (cord management trough, which covers the bottom of the module. This channel, furnished with metal dividers, is provided for the routing of the power supply cords and data lines. For starter and adder carrels with grommets or PowerUp® modules, round cutouts in the end panels allow wires to pass through from one unit to the other. PowerUp® door extrusion and vertical plastic wire manager are standard. The Connect™ system is recommended whenever two or more PowerUp® modules per worksurface are specified (refer to Connect™ price list, code KI-11326). The single-circuit 15-amp Connect™ system supplies power to six laptops or three PCs. It plugs into a standard power outlet source and links up to six modules. UL listed for safety. Cords are further managed by the vertical leg wire manager, which comes standard with grommets, the PowerUp® system or the Connect™ system. Leg wireway is scuff-resistant, high-impact rigid PVC plastic, and is fastened to the leg with full-length adhesive bond.

Shelving End Panel

The end panels are 1-3/16" thick, particle core construction with Grade A oak or maple veneer on both faces. The vertical edges of the panel are banded with a 1.5mm thick solid oak or maple external band with a 1/32" radius on all edges. The panel base has a .13" deep x .25" high vein line 4" from the bottom. Two stainless steel adjustable glides are at the bottom of each panel.

Shelving Shared Panel

Same construction as the end panels except brass inserts are on both sides of the panel. Shared panels for shelving are machined on both sides. Adder units are attached with 5/16" through bolts and nuts.

Top Shelf/Cornice Unit

Shelf is 3/4" thick oak or maple construction. The flush-fitting cornice rail at the face sides is 3/4" thick x 2-1/8" high solid oak or maple. Shelf is attached using 1-1/4" x 1-1/4" wood cleats with bolts and metal inserts in the end panels.

Base

Preassembled box with a finished outer kick rail enables shelving to be assembled in the vertical position. Bottom shelf is set into place and positioned by using steel pegs.

Adjustable Wood Shelves

Wood shelves are 3/4" thick solid oak or maple construction. The shelf is grooved on the underside to fit over turned and grooved steel pegs, which are inserted into holes in the end panels. Holes are spaced at 1-1/4" space intervals. Peg and groove design prevents accidental removal. The fixed middle shelf is mounted using wood cleats and screws on units 60-1/2" and higher.

Adjustable Metal Shelves

Metal shelves are 18-gauge steel with notches on the underside to rest on turned and grooved steel pegs. Flat shelf is 1" thick and triple bent front and back edges provide superior strength and eliminate sharp edges. Book stop shelf is bent upward to form 90-degree angle, 1-5/8" high above the shelf surface to function as a book stop. Electrostatically applied powder coat finish. Metal shelves accept spring-type overhead wire book support. Metal shelf units are shipped with a wood base shelf.

Periodical Shelving

End panels, shared panels, and top and bottom shelf assembly construction are the same as standard shelving. Adjustable shelves include 3/4" solid wood angled bracket supports and a 14-gauge steel shelf pivot bracket. A 3/4" solid wood shelf with a 1/2" x 1-1/2" stop rail is mounted at an angle of approximately 45° so that periodicals can be easily viewed. The shelf pivots and can be flipped up to lay flat for storage access below.

Media Shelving

End panels and top and bottom self assembly construction are the same as standard

shelving. Media metal shelves are 18-gauge steel with notches on the underside to rest on turned and grooved steel pegs. Angled shelves have slots spaced 1-1/4" to accept metal partitions that can be adjusted to provide separation between displays. Electrostatically-applied powder coated finish for long-term durability. Media shelf units are shipped with a wood base shelf.

Book Truck

Truck sides and bottom are 3/4" plywood with top edge banded. No seams show where side panels adjoin. Descending platform is 3/4" plywood with plastic laminate top surface. Platform is guided on rollers and supported by spring compression. As the platform is loaded, it descends toward the bottom of the truck. The truck is mounted on four swivel casters.

Dictionary Stand

End panels are constructed of 1-3/16" particle core with oak or maple veneer and 1.5mm thick solid wood edge banding. The top and bottom surfaces are attached to the end panel using cam-lock fasteners. The top surface is constructed of 1-1/4" particle-board core construction with a plastic laminate worksurface (customer-specified). One 3/4" adjustable shelf has a 16" adjustability range using steel pins and drilled holes.

Atlas Stand

End panels are constructed of 1-3/16" particle core with oak or maple veneer and 1.5mm thick solid wood edge banding. The top and bottom surfaces are attached to the end panel using cam-lock fasteners. The top surface is constructed of particleboard core with a plastic laminate worksurface (customer-specified). Five 1-3/16" particleboard sliding shelves have a 3/4" x 2" stop rail at the edge of each shelf.

Newspaper Display Unit End Panels/ Shared Panels

End panels are constructed of 1-3/16" particle core with oak or maple veneer and 1.5mm thick solid wood edge banding. End panels for newspaper display units are machined on one side. Shared panels for newspaper display units are machined on both sides.

Newspaper Display Unit Top Shelf/ Cornice Unit

Shelf is 3/4" thick oak or maple construction. The flush-fitting cornice rail at the face sides is 3/4" thick x 3-1/4" high solid oak or maple.

Newspaper Display Unit Base

Pre-assembled box has a finished outer kick rail which enables shelving to be assembled in the vertical position. Two adjustable shelves are 3/4" thick solid oak or maple construction. The shelf is notched at the ends to fit over dowel pins and prevent accidental removal. Two 1" thick rails mounted on the end panels are notched to hold eight newspaper sticks at an angle for easy

removal and display.

Rolling Book Cart

All end panels and shelves are 3/4" plywood with oak or maple veneer laminate and a 1.5mm solid wood edge banding. Shelves are attached to the end panels using cam-lock fasteners and solid wood dowels. Bottom shelf is reinforced with wood cleat screwed into the shelf and end panels. Casters are two swivel and two stationary. Two cart sizes: 30" wide x 35" high x 15" deep with two shelves and 40" wide x 41" high x 15" deep with two shelves.

Rolling Book Cart With Slanted Shelves

All end panels and shelves are 3/4" plywood with oak or maple veneer laminate and a 1.5mm solid wood edge banding. Shelves are attached to the end panels using cam-lock fasteners and solid wood dowels. Bottom shelf is reinforced with wood cleat screwed into the shelf and end panels. Casters are two swivel and two stationary. Two cart sizes: 30" wide x 35" high x 16.5" deep with two shelves slanted inward with slanted shelf backs, and 40" wide x 41" high x 16.5" deep with two shelves slanted inward with slanted shelf backs, and 40" wide x 41" high x 16.5" deep with two shelves slanted inward with slanted shelf backs.

Aristotle®

General Information

Construction

All worksurfaces, tops and end panels are 1" thick. Bookcases have 1" thick top and shelves. Edge banding is 2.5 mm thick and matches the laminate finish. Adjustable glides keep surfaces level. Most products are shipped pre-assembled. Products that are shipped ready-to-configure have most fittings pre-attached for quick installation. All dimensions shown are nominal. Approximate weights and volumes relate to crated items and are indicated for shipping purposes.

Edge detail

1" thick worksurface and top
2.5 mm flat edge banding

Drawer construction

Pedestals feature five-sided drawer construction and full depth drawers to maximize storage capacity. Pedestals also feature a pencil tray standard in the upper drawer box. Lateral files have steel drawers.

Drawer suspension

File drawers utilize a heavy-duty full extension ball bearing slide for smooth operation. Box drawers operate on full extension slides allowing total access to drawer.

File drawers

Credenza, pedestal, and lateral file drawers accommodate letter and legal filing. Lateral file unit drawers are equipped to accept front-to-back filing hardware. Lateral files have an anti-tip interlock system.

Overheads

Overheads have a 133/4" internal height clearance and feature a full width, concealed cable pass-through 13/4" high. 36" high overheads have 17 1/2" clearance above desktops and are 65" high installed. Wall mount overheads include instructions and mounting hardware.

Frosted glass door cabinets

Frosted glass doors on overheads and select storage towers have a vinyl wrapped MDF frame in silver finish with tempered, frosted glass.

Acrylic Door Cabinets

Cabinets feature 13-3/4" internal height clearance. Full-width concealed cable pass through (1-3/4") is provided for 36" and 43" high units. Wall mount also available. Units are non-locking.

Desktop panel screens

Desktop panels are 1/4" thick frosted acrylic to offer personal privacy while enhancing the overall design. Desktop panel supports are available separately in silver or black finish. A simple surface-mounted attachment secures the panel support to the desktop as a field installation.

Sizes

Published width and depth dimensions are nominal. To determine actual sizes use the multiplier 0.9843. (Example: a desk listed with a nominal width of 60" is actually 60" x 0.9843 = 591/16"), and refer to the conversion chart below:

Nominal/Actual	Nominal/Actual	Nominal/Actual	Nominal/Actual
24"	23-5/8"	72"	70-7/8"
30"	29-1/2"	78"	76-3/4"
36"	35-7/16"	84"	82-11/16"
42"	41-5/16"	90"	88-9/16"
48"	47-1/4"	96"	94-1/2"
54"	53-1/8"	102"	100-3/8"
60"	59-1/16"	108"	106-1/4"
66"	64-15/16"		

Grommets

Grommets are indicated on all product illustrations when standard and have a 23/4" diameter opening. For non-standard locations, field-installed grommet kits are available. See Accessories.

End Panels

Full height panels are standard on most items. Partial height panels are available as a no charge option on desk shells, extended corner desk shells, and corner units.

Modesty Panels

Modesty panels on selected models are 14" standard. Full height panels are offered on some models.

Pulls

NP - No pulls. An integral pull is standard on all drawers and doors. Three pull options are available. To order, add pull code to product code and \$10 per pull to list price. Also add the number of pulls. Note that overheads cannot have pulls specified.

Laminate top and base finish

All surfaces are manufactured using high-performance thermally fused laminate, providing a durable, resilient finish. Laminates can be mixed and matched to create a two-toned look. Edge banding matches laminate finish.

Meeting table, freestanding desk and return base metal leg finish

Matching freestanding tables provide auxiliary worksurfaces. Metal legs in two styles offer strength and durability in a contemporary profile. Metal-legged returns are attached to a primary desk with flat attachment brackets. The legs include an integrated wire management slot and an adjustable glide.

Keying options

Locks are standard on all pedestals, credenzas, and lateral files. Locks are pre-installed in all workstation components (all multi-lock units are keyed alike). Workstations are available keyed alike at time of order. Indicate clearly which offices

are to be keyed alike. See Keyed Alike Kits if additional key sets are required. The following key options are available at the end of the model strings:
KS - Key standard
KA - Key alike (note room numbers on order)



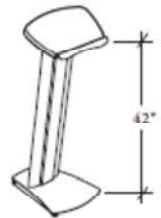
Expansion Casegoods Lectern



The Lectern provides a speaking podium for formal presentations. It can receive letter and legal size paper, as well as a laptop.

WHAT'S INCLUDED
1 lectern, 2 casters, and 1 handle.

B L C N
Lectern



PRODUCT OPTIONS

Height	Surface Finish	Edge Trim Style	Edge Trim Finish	Case Finish	Support Finish
42	Foundation Laminate	6 Straight Trim	Edge Trim Colors	Source Laminate	Foundation Mica

Technical Specifications ■

Impress® Task and Sled Base Chairs

KI-61667R1 3/27/2009

Mechanism (task chair only)

Stamped steel dual housing forms a sturdy cradle for the seat. There are two control levers. One lever actuates the pneumatic cylinder with infinite selection within the range. Standard seat height range adjusts from 16.75" to 21.25". Low seat height range adjusts from 15.75" to 18.5". Tall seat height range adjusts from 19.5" to 25.75". Add 1" to all seat height ranges if seat slide is selected. One lever locks the chair in one of 3 positions or actuates the free-floating mode. The synchronized 2:1 free floating mode has adjustments of 8 degrees on seat and 16 degrees on back.

Backrest

Injection molded plastic board with embedded inserts for mounting. The board is covered with contoured molded foam and upholstered with fabric. A textured black shroud covers the rear side.

Back Height (task chair only)

An easy to operate mechanism is installed on the back board for adjusting back height.

Back Foam

Molded high-resilient foam.

Seat

Constructed of a 1/2" thick, saddle shape plywood with 2.5" molded foam and upholstered with fabric. The entire seat assembly is mounted to the mechanism by 4 screws. Molded high-resilient foam.

Base (task chair only)

25" diameter, five blade reinforced black nylon base.

Casters (task chair only)

The double 55mm diameter black wheels are molded of high-impact thermoplastic and are housed in a high-impact frame. Carpet or hard floor casters are available.

Base (sled base chair only)

Sled shape, 1.125" diameter black steel tube of 13-gauge thickness.

Adjustable 360° Pivot Arm (JR30)

Black molded urethane armcap pivots 360 degrees and locks in place. 3" of height adjustment and 3" of total width adjustment.

Adjustable "T" Arm (JR37)

Black molded urethane armcap. 3" of height adjustment and 3" of total width adjustment.

Fixed Loop Arm (KR48)

Black plastic arm.

Adjustable Loop Arm (KR72)

Black molded urethane armcap. 2.5" of height adjustment and 2" of total width adjustment.



Barron® Tables

General Information



Square Table, X Base



Square Flip-Top Table, X Base



Round Table, LX Base



Rectangular Table, T Base



Trapezoidal Table, T Base

Features

Fixed, folding, flip-top bases

Four edge styles

Lightweight top option

Rolling Barron® base for mobility

•

•

•

•

•

•

•

•

•

•

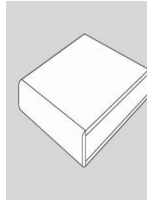
•



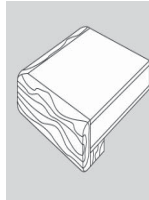
Laminate; 1-1/4" round vinyl bullnose edge; 1-1/2" radius corner (54B)



Laminate; 1-1/4" self edge; square corner (64E)



Laminate; 74P edge; square corner (74P)



Laminate; 1" x 1-3/4" wood bullnose edge; .62" radius corner (15W)



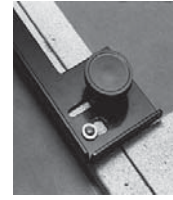
Adjustable Glides



Self-Leveling Glides



Ganging Device for Portico™ Plus



Portico™ Plus Quarter Round Ganging Device



Rolling Barron® Base

SPECIFICATIONS

Barron® Pedestal Base Table

This system employs 14-gauge tubular steel components in fixed, folding or flip-top models. Barron® includes T, TT, X, LX and cantilevered T base combinations. Fixed table column welded to an 8" x 8" formed steel plate.

Bases

Built of 1-3/4" round tubular steel feet, legs and plugs; highly polished finish. LX series is furnished with 3" o.d. seamless tubular steel column. Adjustable glides are secured to the legs. All ends capped with finished steel plugs brazed in place, ground and polished smooth.

Barron® Table's Folding Mechanism

Built of 11-gauge, black zinc finish steel, the folding mechanism easily releases and folds leg tightly to table bottom and securely locks with two polypropylene clips. When opened, legs engage into place for a tight, rigid fit

between leg and mechanism. Built-in nylon bumpers keep tables separated to prevent marring when tables are stacked on edge.

Table Surfaces

1-1/8" thick high-density particleboard core with high-pressure laminate top and phenolic backing sheet. Tops are pre-drilled.

A "standard" table consists of a standard laminate worksurface and a 1-1/4" vinyl bullnose edge for any KI table base.

KI tables can hold a maximum of 1.5 lbs for each inch of perimeter evenly distributed over the top.

Flip-Top

Standard flip-top table does not have a detachable top.

Barron® Plus Ganging Mechanism

Built of black high-strength nylon, user-friendly ganger with pegs draws tables together. No tools are required when joining tables. Ganger is self-storing under table

top. Mounting screws are provided. Tops are pre-drilled for placement of ganging pegs. Two gangers per table. CAUTION: Gangers are not retrofittable to earlier purchased tables.

Folding Modesty Panels

.685" thick particleboard faced on both sides with laminate that matches table top. Modesty panels are 6-1/4" high by length of table. Mounting brackets are black and packed with base. Table top and panel are pre-drilled. Lower edge of panel extends 8-1/4" from underside of table. The modesty panel is shipped k.d.

Bright Chrome Finish

Surfaces are duplex nickel-chrome plated in a twenty-two step process.

Powder-Coated Finish

Hybrid powder coating is electrostatically applied. Finish is chemical-resistant, hard, tough and mar-resistant.

Barron® Lightweight Table

Top is 5-ply construction consisting of .050" thick laminate, 5.2mm 3-ply plywood, .75" thick high-density particleboard frame with honeycomb core, 5.2mm 3-ply plywood and .040" HPL backer.

Quick-Release Modesty Panels

.685" thick particleboard faced on both sides with laminate that matches table top laminate. Lower edge extends 7-1/4" from underside of table. Panel is easily removed from the table without tools. It locks into two 11-gauge steel retaining brackets and is removed by pulling down on vinyl-coated stainless steel release levers. Panel ships k.d.

Barron® Table Truck

Black powder-coated finish. Two swivel and two rigid 6" diameter casters with heavy-duty roller bearings. Rectangular or square table storage. Felt is standard on top edges.



Rectangular Table, TT Base



Rectangular Table, Q-Release Modesty Panel

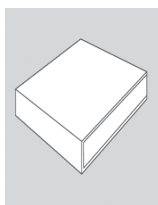


Rectangular Table, Folding Modesty Panel

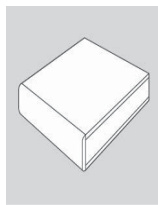


Barron® Plus Tables

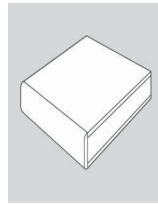
Features				
Fixed, folding bases	•	•	•	•
Four edge styles	•	•	•	•
Ganging				•
Modesty panel and wire management		•	•	
Rolling Barron® base for mobility		•	•	•



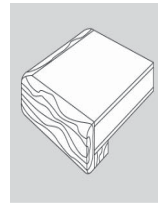
Laminate; 1-1/4" self edge; square corner (64E)



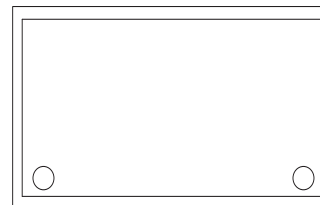
Laminate; 7/4P edge; square corner (74P)



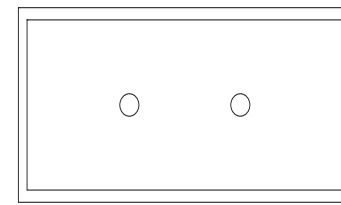
Laminate; 3/8" x 1-1/4" wood band edge; square corner; corner joint is not mitered (34S)



Laminate; 3/8" x 1-3/4" wood band edge; square corner; corner joint is not mitered (36S)



Grommet location for tables 36" or smaller



Grommet location for tables 42" or deeper

Barron® with PowerUp®

Barron® tables are available with one or two power/data modules, PowerUp®, centrally located 4-1/4" from front edge of table top. PowerUp® is a UL Listed, Relocatable Power Tap, which mounts flush into the table top. When flipped up, cover open, one (1) duplex receptacle and two (2) data ports are exposed. The underside of the table is provided with a hinged plastic channel (cord management trough) which covers the bottom of the module. This channel, furnished with metal dividers, is provided for the routing of the power supply cords and data lines. The PowerUp® module is 6-1/4" long by 3" wide by 2-1/2" high when opened. It is provided with a 9 ft. or 15 ft., 3-conductor cord and is rated 120V a/c, 15A. The cover snaps into the upright position to allow cords to be unplugged without the cover closing. The data ports are molded to accept AT&T "M" Series, RJ45 jacks. The module can be modified to accept various brand jacks. Cords are further managed by the vertical leg wire manager which comes standard with PowerUp®.

Rolling Barron® Base

Rolling Barron® Base be may be ordered with any two-column Barron® or Barron® Plus Table, or may be field-installed on existing two-column Barron® or Barron® Plus Table. By placing embedded wheels on one end of a Barron® two-column table, one person can easily move it by lifting the end without wheels and "driving" the table. Also, Rolling Barron® Base is only available on Single "T" Bases. Not available on "TT", "X" and "LX".

Under-Table Wire Management

Constructed of high quality black velcro. Harness is fastened to table bottom with screws. Shipped assembled. Wire management options (HO, HW and WO) are only available on rectangle tables 96" and smaller (not available on any cantilever, flip-top or folding tables).

Leg Wireways

Scuff-resistant, high-impact rigid plastic.

Two separate wire channels per leg. Fastened to legs with full length adhesive bond. Black only. One wireway per leg. Shipped assembled. Two leg wireways per top. Not available on 18" x 60" fixed base tables, 18" x 60" and 24" x 60" cantilevered base and folding tables.

Grommets

Plastic grommets are 3" diameter and recessed into table top. Cap is removable and has retractable slot cover. Two grommets per top. Grommet option is available on rectangle tables 96" and smaller except for all 18"x60" and 24"x60" cantilevered fixed and folding tables (24"x60" tables with standard fixed bases are okay). Grommet location for tables that are 36" deep and smaller will be on the corners of the table. Grommet location for the tables 42" deep and larger will be the centerline of the table. See graphics above.

INFORMATION

Warranty

Refer to KI Terms & Conditions document or visit ki.com

Enlite® Tables

General Information

TABLES

General Information

Table includes Y, T leg configurations. Some tables also include an added post leg/s for added stability. Base shipped k.d.:

Standard Bases

Table legs shall be welded construction of 1" diameter 16-gauge steel tubing and 7/16" diameter steel wire. The spider plate shall be a 1/4" thick steel and welded to the legs along with stiffening gussets. Legs shall be powder coat painted or available in chrome finish.

ADA Table Bases

Tables designated as "ADA" shall have bases that are 3" taller than the standard bases. ADA table legs shall be welded construction of 1" diameter 16-gauge steel tubing and 7/16" diameter steel wire. The spider plate shall be a 1/4" thick steel and welded to the legs. All ADA table leg position and spacing shall have leg and wheel chair clearances that meet or exceed minimum ADA requirements. Legs shall be powder coat painted or available in chrome finish.

Leg Wire Managers

Vertical wire managers must be available for all tables. Wire managers must be retrofittable. Wire managers shall be clear and install without adhesives or tape.

Optional Leg Panel Inserts

Decorative panel inserts shall be available for "Y" legs. Inserts shall be constructed from 18-gauge solid or perforated sheet steel. Steel portions of the inserts are to be powder coat painted in the same or different color than the leg. Laminate on both sides of insert panel shall be available. Insert panels shall be retrofittable and/or removable.

Table Ganging Mechanism

Built of black high strength nylon, user-friendly ganger with pegs draws tables together. No tools are required when joining tables. Ganger is self-storing under table top. Mounting screws are provided. Tops are predrilled for placement of ganging pegs. Two gangers per table.

3/4" Table Surfaces

Table work-surfaces shall be constructed with 3/4" thick high density particle board. Tables can hold a maximum of 1.5 lbs for each inch of perimeter evenly distributed over the top. The core shall be laminated on both sides with phenolic resin sheets for high stiffness and sag resistance and high density particleboard core with high-pressure laminate top and phenolic backing sheet. Tops are to be a less than 7/8" thick. Tops are pre-drilled. Table top shapes shall be available that have curved sides for nonprescriptive arrangement.

1-1/4" Table Surfaces

Table work-surfaces shall be constructed with 1-1/8" thick particle board. Tables can

hold a maximum of 1.5 lbs for each inch of perimeter evenly distributed over the top. The core shall be laminated with high-pressure laminate top and phenolic backing sheet. Tops are pre-drilled. Table top shapes shall be available that have curved sides for non-prescriptive arrangement. (The thick top core is 1-1/8" thick.)

Powder Coated Finish

45 sheen epoxy powder coating is electrostatically applied. The dry coating is then fused and cured in a baking oven to form a smooth continuous film. Finish is chemical-resistant, hard, tough and mar-resistant.

Glides and Casters

Each table shall include either glides or casters. Each table with caster shall include two wheel locking casters. Glides and casters shall be molded nylon in two colors. Glides and casters shall be interchangeable without changing table height. Caster wheels shall be a minimum of 2.44" (62mm) diameter. Caster wheel treads shall be medium (75 max Shore A) hard for easy mobility on carpet or hard floors. Glides shall have a smooth convex bottom surface for mobility.

Enlite® with PowerUp®

Many tables are available with one and Boat tables are available with two power/data modules. PowerUp® shall be centrally located, and a minimum of 2" from the edge of table top. PowerUp® is a UL listed, relocatable power tap, which mounts flush into the table top. When flipped up, cover open, on (1) duplex receptacle and two (2) data ports are exposed. The underside of the table is provided with a hinged plastic channel (cord management trough) which covers the bottom of the module. This channel, furnished with metal dividers, is provided for routing of the power supply cords and data lines. The PowerUp® module is 6-1/4" long by 3" wide by 2-1/2" high when opened. It is provided with a 9 ft. or 15 ft., 3-conductor cord and is rated 120V a/c, 15A. The cover snaps into the upright position to allow cords to be unplugged without the cover closing. The data ports are molded to accept AT&T "M" series, RJ45 jacks. The module can be modified to accept various brand jacks. Cords are further managed by the vertical leg wire manager which comes standard with PowerUp®.

Enlite[®]

Table Collection

responsive design | efficient shapes | dependable strength



Furnishing Knowledge[®]



Standard



Nesting



Enlite:

to illuminate with knowledge

Successful learning is achieved through smart design in space and furniture. KI's Enlite table collection facilitates and promotes the learning process through its responsive design, efficient shapes, and dependable strength. This combined effort allows everyone to easily engage in the learning process by encouraging interaction and facilitating participation, which ultimately results in successful learning.

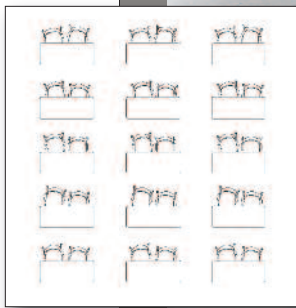
Enlite nesting tables support the mission of the collection by providing responsive design in its ability to "nest". The table tops flip vertically and rest closely against each other, which allows for greater space maximization. Enlite nesting tables are both efficient and dependable, as the nesting process is quick and simple for both setup and storage. Its durable construction provides the perfect balance of strength and agility.



Enlite Configurations

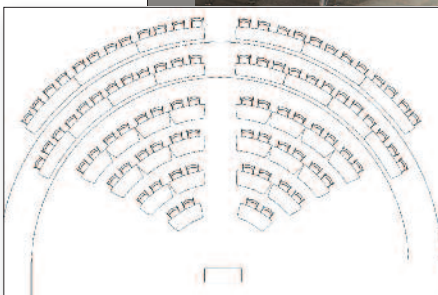
Traditional

Enlite tables provide the flexibility to change as needed to accommodate various learning and interactive environments. Enlite nesting tables give traditional classrooms greater flexibility with their ability to nest neatly when not in use.



Lecture

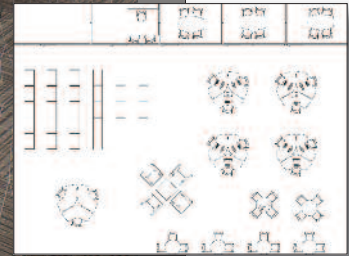
With Enlite tables, lecture halls transform into engaging learning environments in which learners and facilitators can interact as needed without space or furniture limitations. Further facilitating flexibility, the Enlite collection includes options for a non-continuous worksurface that can be used on a fixed or loose base, depending on the particular needs of the room.





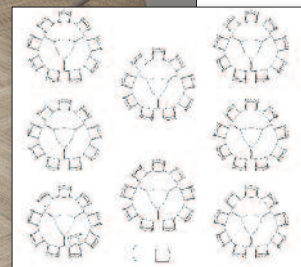
Learning Center

The goal of a learning center in any facility is to allow learning to take place in a relaxed yet fully supportive environment. Learning centers typically offer spaces for technology support, group collaboration, relaxed individual learning, and both open and secluded meeting areas. Enlite tables offer the perfect solution for this type of environment with its broad collection of shapes that can be used for a variety of learning purposes.



SCALE-UP

An acronym for Student Centered Active Learning Environment for Undergraduate Programs, the SCALE-UP classroom focuses directly on students and active learning. Enlite tables are designed for groups of two or more, creating engaging, student-facing environments. Enlite supports collaborative learning for student-to-student interaction as well as student-to-teacher interaction.



Key Features

Learning environments often present complex needs for space utilization. Enlite tables simplify the complex by responding to collaborative or independent learning needs. Flexible casters, lightweight tabletops and a non-angular transition-end design help to accommodate changes in room requirements. Supporting a large range of aesthetic needs, Enlite further simplifies the overall design of an environment by maximizing space utilization.



A low-profile handle allows the Enlite nesting table to be flipped up with just one hand.

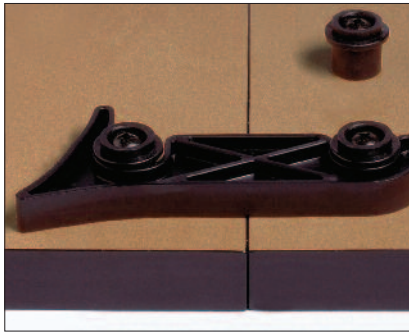
Secure clamps hold table tops in place, allowing for safe movement while the tops are flipped up.

Enlite tables are designed to supply either horizontal or vertical wire management: vertical wire management slips over table legs; while horizontal wire management is placed underneath the table surface.

Standard Options



Enlite table tops are available in thicknesses of 3/4 and 1-1/4 inches and may include PowerUp® Modules.



Locking gangers add stability with simplicity to tables tops in tight configurations.



A superior leg design allows for flexible, lightweight movement while ensuring strength and resilience.



Enlite tables feature a sleek and neat wire management design for power supply.



Glides create stability while casters offer mobility, and either can be used on Enlite tables.



Perforated steel, solid steel, or laminate end panels offer versatility in specifying Enlite tables. See color options below.

Enlite Panel Finish Options

Perforated and solid steel end panels are available in 31 colors, including metallics.



Laminate end panels are offered in eight versatile wood finishes.



Enlite Table Collection

From round to rectangle and everywhere in between, Enlite tabletop shapes are designed to meet multiple learning objectives. The Enlite Table Collection includes ten standard shapes in various sizes and colors and finishes that easily adapt to the needs of any educational environment.

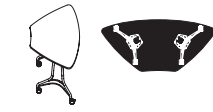
Standard Tables listed with available heights in inches



Rectangle 28-5/8"
29"
31-5/8"
32"



Swash 28-5/8"
29"
31-5/8"
32"



Quarter Round 28-5/8"
29"
31-5/8"
32"



Boat 28-5/8"
29"
31-5/8"
32"



SCALE-UP 28-5/8"
29"
31-5/8"
32"



Boomerang 28-5/8"
29"
31-5/8"
32"



Trapezoid 28-5/8"
29"



Half Hex 28-5/8"
29"



Square 28-5/8"
29"

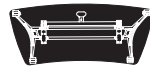


Round 28-5/8"
29"

Nesting Tables listed with available heights in inches



Swash 28-5/8"
29"



Rectangle 28-5/8"
29"



Learn more about
Enlite Tables



Printed on FSC® certified paper
using only vegetable-based inks,
including metallics. Please recycle.



KI is a trusted expert for furniture and wall systems around the globe.
USA | CANADA | MEXICO | UK | EUROPE | ASIA | MIDDLE EAST | AUSTRALIA

1330 Bellevue Street • P. O. Box 8100 • Green Bay, WI 54308-8100 • 1-800-424-2432 • www.ki.com

© 2012 KI All Rights Reserved. Litho in USA. Code KI-00799R1/HC/AP/1012
KI and Furnishing Knowledge are registered trademarks of Krueger International, Inc.



Furnishing Knowledge®

Flex™ Table ■

T6 Student
Lounge



A harmonic arrangement of tables.

- Simple
- Classic
- Stylish



Furnishing Knowledge®

■ **Appropriate materials. Simple lines. Timeless Beauty.**



A harmonic blend of tables.

The Flex offering includes club, console, coffee and end tables in many different heights, shapes and nine standard wood finishes.



5502 End Table - Wood Top
5512 End Table - Laminate Top
 W 19.5 D 23 H 18
 Weight: 40 lbs.



5506 Club Table - Wood Top
5516 Club Table - Laminate Top
 Dia. 24 H 22
 Weight: 45 lbs.



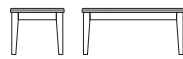
5503 End Table - Wood Top
5513 End Table - Laminate Top
 W 19.5 D 23 H 22
 Weight: 40 lbs.



5507 Coffee Table - Wood Top
5517 Coffee Table - Laminate Top
 Dia. 36 H 18
 Weight: 50 lbs.



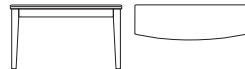
5511 End Table - Wood Top
5521 End Table - Laminate Top
 W 24 D 24 H 22
 Weight: 40 lbs.



5504 Coffee Table - Wood Top
5514 Coffee Table - Laminate Top
 W 40 D 19.5 H 18
 Weight: 50 lbs.



5505 Club Table - Wood Top
5515 Club Table - Laminate Top
 Dia. 24 H 18
 Weight: 40 lbs.



5510 Console Table - Wood Top
5520 Console Table - Laminate Top
 W 46.75 D 15.5 H 28.75
 Weight: 55 lbs.

Flex™ Table

The classic tables found in the Flex table collection will always be in style. With solid hardwood, veneer or laminate construction, Flex tables guarantee the appropriate solution for any environment.



Designed by Michael Edwards.

KI and Furnishing Knowledge are registered trademarks of Krueger International, Inc.

© 2010 KI
 All Rights Reserved.
 Litho in USA.
 Code KI-00655R2/HC/1P/1110

Printed on FSC certified paper using only vegetable-based inks, including metallics. Please recycle.



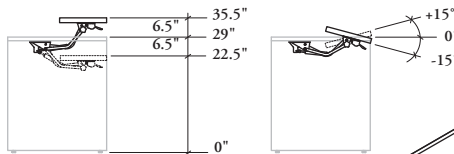
fixed-height desk basics

Expansion Desking worksurfaces are offered in Generic, Linear and Curvilinear shapes. They can be used individually or with other desks to create a variety of workstation configurations.

- Three fixed-height desks are available: Modular, Single Structure and Semi-Supported L-Shaped Desks
- All desks with half gables must be connected to other desks
- Desk assemblies span up to 84" in width without multiple supports
- All desks include a worksurface, grommets, structural beams, corner posts and gables (or c-legs)
- Desks are shipped knocked down
- Desks are compatible with all Teknion underworksurface storage products
- **Cannot** be attached to Teknion's W/R/S Wall Rail System. For details on W/R/S, refer to page 46

Worksurfaces

- Worksurface dimensions listed are actual dimensions of the finished product
- Some desks include a built-in compressed gas support for mouse and keyboard; see individual product pages
- Height adjustment of keyboard is activated by a release paddle located on the right underside of the surface
- The tilt of keyboard is adjusted using a knob located on the left underside of the surface



- Grain direction varies depending on the type of desk specified; see page 51

Generic Shape Modular Desks

Available in a variety of shapes including: Rectangular, EDP, EDP Corner, Standard Corner, Extender Corner, Rectangular and D-Shaped Peninsula and Bridge

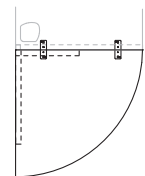
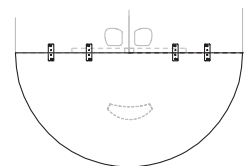
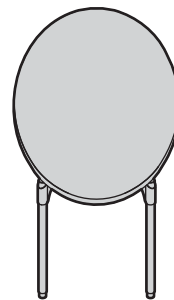
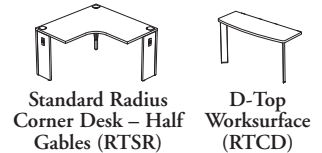
Curvilinear Shape Modular Desks

Designed to create wrap-around workstations that minimize lateral movement

Also available:

Linear Shape Modular Desks

- Inspired from other Teknion product offerings
- May be used as an aesthetic alternative to generic or curvilinear shape desks



Quarter-Moon Bridge with Gables (RQMB)

- Completes a worksurface by connecting to a freestanding desk with flush plates
- Comes with two gables, one half and one 3/4
- Can be applied to left or right of worksurface
- Depth must equal desk depth

L-Shaped Desks

- Two L-Shapes are available: Single Structure or Semi-Supported
- Available with or without Radius Corner Worksurface
- Single Structure Desk is supported with gables on both ends
- Semi-Supported L-Shaped Desks are supported with gables on one direction and a selection of various support styles (Legs, Frame Leg, Semi-Supported Leg, storage; all not included) on the other direction
- L-Shaped Desks are available up to 84" x 84"

Accessories

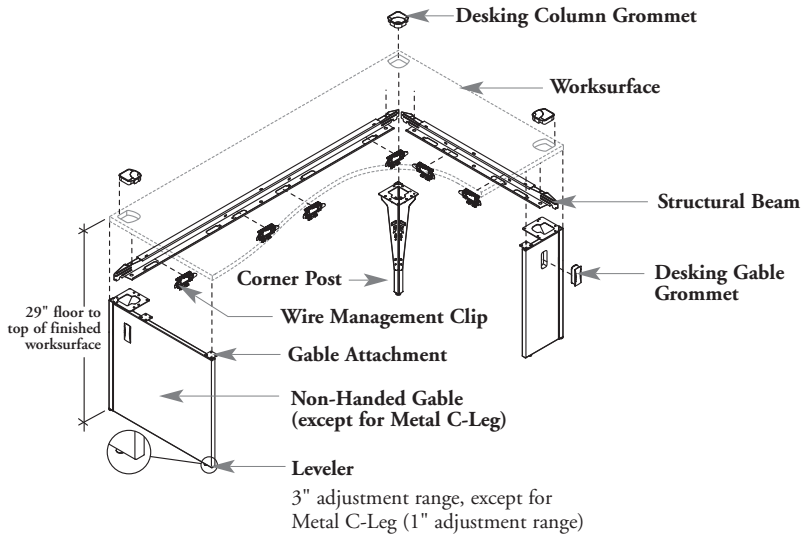
Can be specified separately

Half-Moon End Worksurface (RHMB)

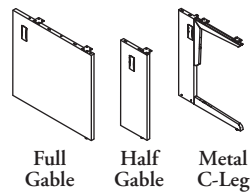
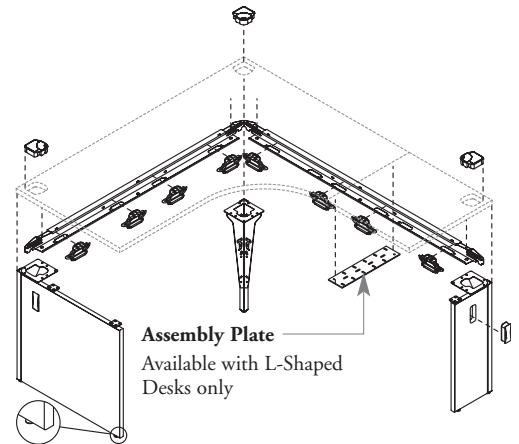
- Used to attach and complete back-to-back workstations
- Must connect to freestanding desks using flush plates
- Comes with a choice of leg (Central Post Leg – 3 1/2" Round or Camber Base)
- Width must equal the total depth of both desks

fixed-height desk basics (continued)

modular desk anatomy



single structure L-shaped desk anatomy



Gables

- Full and half gables are non-handed for on-site reconfigurability; Metal C-Leg is handed
- All gable styles include a grommet

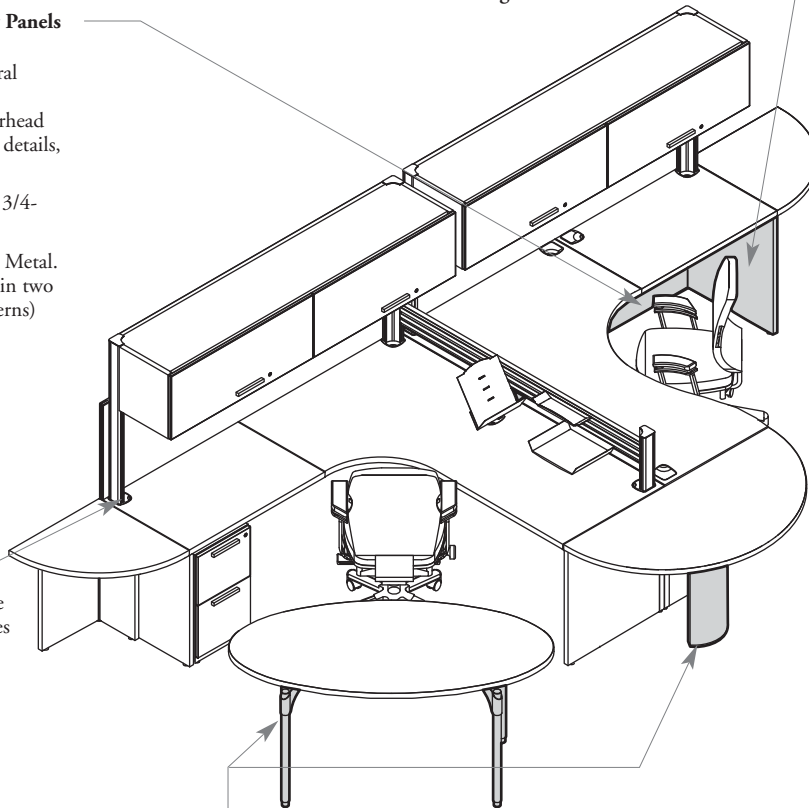
- Half gables provide additional kneespace clearance at desk junctions
- Flush plates are included to maintain stability and level the surface
- A desk **cannot** be mounted with Metal C-Legs, if:
 - overhead cabinets are stacked
 - Sit-On Cabinets or Desktop Cabinets are used

Flush-Mounted Modesty Panels (RDML, RDMO)

- Not required for structural stability, except in some configurations when overhead cabinets are stacked. For details, refer to page 97
- Can be specified full- or 3/4-height
- Available in Laminate or Metal. Metal panels are offered in two styles: Embossed (4 patterns) and Solid
- Can be specified with or without grommet

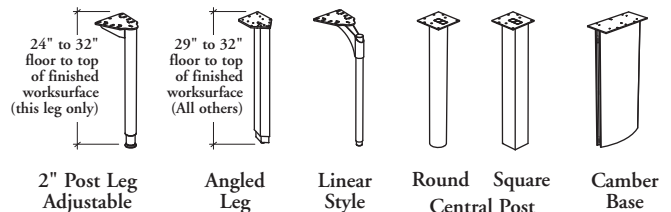
Grommets

- Desks come with factory-made grommet cut outs on the gables and worksurfaces
- Provide openings for electrical wiring and communication cables
- Include plastic ring and cover



Supports

- Six support styles are available to provide a variety of aesthetic options
- Include leveler with a 3" adjustment range
- Not all support style/desk combinations are available; see individual product pages



Altus™

General Information



Conference Loop Armchair (ALTCLA)



Fabric Task Armless Chair (ALTUNA)



Fabric Task Headrest Adjustable Armchair (ALTUAA)

Features			
Back flex		•	•
Swivel only	•		
Glides option	•		
General Dimensions			
Seat width	18-1/2"	18"	18"
Seat depth	17-1/4"	15-1/2" - 18"	15-1/2" - 18"
Seat height	16-1/4" - 19-1/2"	16-1/4" - 20-3/4"	16-1/4" - 20-3/4"
Arm height	8-3/4"		6-1/4" - 9-1/4"
Inside distance between arms	19-3/4"		19"
Overall Dimensions			
Width	24"	26"	26"
Depth	24"	26"	26"
Height	35-1/4" - 38-1/2"	39-1/2" - 44"	39-1/2" - 44"
Base diameter	24"	26"	26"

SPECIFICATIONS

Mechanism (Fabric and Mesh Task Chair)

Reinforced plastic base on cast aluminum housing with three control levers. One lever activates the pneumatic cylinder for a range in seat height. The second lever controls the back tilt angle, which has four settings. The third lever adjusts the tilt force and is located at the side of the chair for ease of use.

Mechanism (Conference Chair)

Cast aluminum housing with one lever used to activate the pneumatic cylinder for seat height range. An auto height/auto return pneumatic cylinder option is available which returns the chair to its original front-facing and highest position.

Backrest (Conference and Mesh Task Chair)

A black reinforced plastic frame with mesh insert.

Backrest (Fabric Task Chair)

Flannel plastic back liner with polyurethane foam and a replaceable fabric slip cover attached to a black reinforced plastic frame. A plastic strip sewn to the edge of the fabric slip cover slides into a channel in the back liner.

Seat (Fabric and Mesh Task Chair)

Plastic seat liner and polyurethane foam covered with a replaceable fabric slip cover. The fabric slip cover is attached to the seat with Velcro. On Mesh Task Chair, when the backrest is black mesh, the seat cushion will have a matching black mesh side panel. When the backrest is a colored mesh, the seat will be fully upholstered with no black mesh side panel.

Seat (Conference Chair)

Seat foam, upholstery, and underseat plastic liner are one unit which is field-replaceable.

Seat Slide (Fabric and Mesh Task Chair)

Seat depth is adjustable to one of five settings.

Adjustable Lumbar (Mesh Task Chair)

Optional clear adjustable lumbar has two control levers. One adjusts the lumbar height and the other adjusts the lumbar depth. Levers telescope and retract for ease of use.

Adjustable Arm (Fabric Task Chair)

Black molded arm cap is mounted to a reinforced black plastic arm post. The arm cap is made of TPU (thermal polyurethane), a non-irritating, recyclable material which is soft to the touch. It has 2" of depth adjustment and 3" of height adjustment. The arm caps pivot to provide a 4" range between the arm caps from 17 - 21".

Adjustable Arm (Mesh Task Chair)

Black molded polyurethane arm cap is mounted to a reinforced black plastic arm

post. It has 2" of depth adjustment and 2" of height adjustment. The arm caps pivot to provide a 5-3/4" range between the arm caps from 16-3/4 - 22-1/2".

Fixed T-Arm and Loop Arm

Black reinforced plastic arm.

Base

Two five-blade base options are available: a reinforced black nylon base or a polished aluminum base.

Casters

Double wheel black carpet or hard surface casters are molded of reinforced plastic. A reinforced plastic glide option is available on the Conference Chair.

Headrest

Upholstered in black faux leather. The headrest pad rotates forward or backward (Mesh Task Chair) or adjusts vertically and forward or backward (Fabric Task Chair). The Fabric Task Chair headrest automatically maintains

Strive® Stack Chair ■



Bringing the benefits of flex seating to a wider audience.

- Simplicity
- Comfort
- Affordability



Furnishing Knowledge®

■ **Responsible, affordable stack chair design**



Adaptable.

Consistent design language for the entire Strive line allows you to maintain a common look throughout a facility. This simple, yet elegant style is appropriate for corporate interiors, education and healthcare markets. The line includes 4-leg, sled-base, and caster-base stack chairs, high-density stack chairs, café stools, task chairs, task stools and fixed seating. Strive frames are available in 33 powder-coated colors plus chrome. Strive shells are available in 16 polypropylene colors.

Strive Stack Chair

Designed by Giancarlo Piretti, the Strive collection brings flex comfort to a broad audience due to its low price.

Simplicity

Strive embodies simplicity. Its clean, elegant form flexes with back slats (nothing mechanical). Its simple design blends with a wide variety of architectural styles. Ecologically aware, Strive is 100% recyclable.

Comfort

Strive's flex back encourages movement, relaxation and enhanced circulation. The radiused back conforms to the user's back for exceptional support. The contoured seat dissipates pressure points.

Affordability

Using readily available, recyclable materials, a small number of components and an ingenious design, Strive brings low-cost comfort to a broader audience.

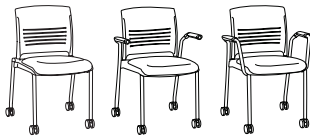
Specifications

Four-Leg Chairs



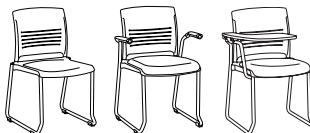
Armless: W 20-3/4" D 21-3/4" H 33"
 With Arms: W 25" D 21-3/4" H 33"
 With Tablet Arm: W 24" D 27-3/4" H 33"
 With Oversize Tablet Arm: W 24" D 21" H 33"
 Seat: W 18" D 18" H 17-1/2" - add 1" with upholstery
 Tablet: 9-1/2" x 20-3/4" x 12-1/2"
 Oversize Tablet: 15-1/2" x 22-1/2" x 14"
 COM ydg seat: 3/4 yd

Caster Base Chairs



Armless: W 21-1/4" D 22-1/2" H 33-1/4"
 With Arms: W 25" D 22-1/2" H 33-1/4"
 Seat: W 18" D 18" H 17-3/4" - add 1" with upholstery
 COM ydg seat: 3/4 yd

Sled Base Chairs



Armless: W 20-3/4" D 21-3/4" H 33-1/4"
 With Arms: W 25" D 21-3/4" H 33-1/4"
 With Tablet Arm: W 24" D 27-3/4" H 33"
 Seat: W 18" D 18" H 17-3/4" - add 1" with upholstery
 Tablet: 9-1/2" x 20-3/4" x 12-1/2"
 COM ydg seat: 3/4 yd

Café Stools



Armless: W 20-3/4" D 23-1/2" or 25" H 39-1/4" or 45-1/4"
 With Arms: W 25" D 23-1/2" or 25" H 39-1/4" or 45-1/4"
 Seat: W 18" D 18" H 23-1/2" or 29-1/2" - add 1" with upholstery
 COM ydg seat: 3/4 yd



Designed by Giancarlo Piretti.

KI, Strive and Furnishing Knowledge are registered trademarks of Krueger International, Inc.

© 2011 KI
 All Rights Reserved.
 Litho in USA.
 KI-00768R2/HC/IP/611

Printed on FSC certified paper using only vegetable-based inks, including metallics. Please recycle.





Integrating aesthetics, technology, and craftsmanship.

- Traditional design
- Versatile function
- Exceptional durability







Study Tables - panel leg, rectangular, square, and round shapes in various sizes. PowerUp option or grommets available.



Carrels - stand-up computer station, ADA height, single face and double face units in 36" and 48" widths - PowerUp option or grommets available.



Chairs - wood chairs with upholstered or wood seats, armless chairs available in three heights, chair with arms available in 18" height only.



Shelving - wood or steel shelves in several heights, single face and double face units.



Display Shelving - media display steel shelving, periodical shelving and newspaper display units in various heights, single face and double face units.



Accessory Units - dictionary and atlas stands, 29" x 36" x 45".



Accessory Units - descending platform book truck, rolling book cart with flat or slanted shelves.

CrossRoads® Library Furniture

Transitional design

Timeless CrossRoads furniture enhances any setting with its clean, transitional style and understated details.

Select either curved or straight table aprons and end panels. Tables and carrels feature a tapered knife-edge design and mitered corners. Available in maple or oak in five standard finishes.

Versatile function

CrossRoads furniture meets the varied demands of today's libraries/resource centers... private or group study, research, storage, display and circulation.

Tables and carrels offer wire-access grommets or KI's patented PowerUp modules that snap open to provide ready access to power/data ports.

Exceptional durability

Attention to detail adds up. Exclusive UV finish, mortise and tenon with screw joinery and a leading 10-year warranty result in library furniture that withstands the test of time.



Circulation Desk - modular circulation desks are created by combining various CrossRoads desking, transaction, corner, and storage units to meet your needs.

**You make the rules.
We make the rest.®**

Of course KI solutions work better for you. They're made for you. No one pays more attention to customer needs than we do. We don't design our furniture to win awards (even though it does). We don't rely on one-size-fits-all solutions (even though they would make our life easier). We find out what you need. And, we make it. The same applies to our service, distribution channels ... everything we do. It's all built around knowing what you want and giving you the choice. KI solutions work, because we're working for you.

KI and Furnishing Knowledge are registered trademarks of Krueger International, Inc.

© 2010 KI
All Rights Reserved.
Litho in USA.
Code KI-00475R2/HC/IP/1210

Printed on FSC certified paper using only vegetable-based inks, including metallics. Please recycle.

