



THE CITY OF WINNIPEG

TENDER

TENDER NO. 74 - 2020

**SUPPLY, DELIVERY AND INSTALLATION OF
FURNITURE & SHELVING AT**

**BILL & HELEN NORRIE LIBRARY
15 POSEIDON BAY**

**Attention Bidders: Bids for this Tender are being accepted by mail, facsimile
transmission or by email (See B7.4).
No personal delivery or courier.**

TABLE OF CONTENTS

PART A - BID SUBMISSION

| | |
|----------------|---|
| Form A: Bid | 1 |
| Form B: Prices | 4 |

PART B - BIDDING PROCEDURES

| | |
|---|---|
| B1. Contract Title | 1 |
| B2. Submission Deadline | 1 |
| B3. Enquiries | 1 |
| B4. Confidentiality | 1 |
| B5. Addenda | 1 |
| B6. Substitutes | 2 |
| B7. Bid Submission | 3 |
| B8. Bid | 4 |
| B9. Prices | 4 |
| B10. Disclosure | 5 |
| B11. Conflict of Interest and Good Faith | 5 |
| B12. Qualification | 6 |
| B13. Opening of Bids and Release of Information | 7 |
| B14. Irrevocable Bid | 7 |
| B15. Withdrawal of Bids | 8 |
| B16. Evaluation of Bids | 8 |
| B17. Award of Contract | 9 |

PART C - GENERAL CONDITIONS

| | |
|------------------------|---|
| C0. General Conditions | 1 |
|------------------------|---|

PART D - SUPPLEMENTAL CONDITIONS

General

| | |
|----------------------------|---|
| D1. General Conditions | 1 |
| D2. Scope of Work | 1 |
| D3. Contract Administrator | 1 |
| D4. Notices | 1 |

Submissions

| | |
|------------------------------------|---|
| D5. Authority to Carry on Business | 1 |
| D6. Insurance | 2 |
| D7. Commencement | 2 |
| D8. Delivery | 2 |
| D9. Liquidated Damages | 3 |
| D10. COVID-19 Schedule Delays | 4 |

Measurement and Payment

| | |
|-----------------------|---|
| D11. Invoices | 4 |
| D12. Payment | 5 |
| D13. Payment Schedule | 5 |

Warranty

| | |
|---------------|---|
| D14. Warranty | 5 |
|---------------|---|

PART E - SPECIFICATIONS

General

| | |
|--|---|
| E1. Applicable Specifications and Drawings | 1 |
| E2. Goods | 1 |

PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 SUPPLY, DELIVERY AND INSTALLATION OF FURNITURE & SHELVING AT BILL & HELEN NORRIE LIBRARY - 15 POSEIDON BAY

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, Thursday, June 11, 2020.

B2.2 Bids determined by the Manager of Materials to have been received later than the Submission Deadline will not be accepted and will be returned upon request.

B2.3 The Contract Administrator or the Manager of Materials may extend the Submission Deadline by issuing an addendum at any time prior to the time and date specified in B2.1.

B3. ENQUIRIES

B3.1 All enquiries shall be directed to the Contract Administrator identified in D3.1.

B3.2 If the Bidder finds errors, discrepancies or omissions in the Tender, or is unsure of the meaning or intent of any provision therein, the Bidder shall promptly notify the Contract Administrator of the error, discrepancy or omission at least five (5) Business Days prior to the Submission Deadline.

B3.3 Responses to enquiries which, in the sole judgment of the Contract Administrator, require a correction to or a clarification of the Tender will be provided by the Contract Administrator to all Bidders by issuing an addendum.

B3.4 Responses to enquiries which, in the sole judgment of the Contract Administrator, do not require a correction to or a clarification of the Tender will be provided by the Contract Administrator only to the Bidder who made the enquiry.

B3.5 The Bidder shall not be entitled to rely on any response or interpretation received pursuant to B3 unless that response or interpretation is provided by the Contract Administrator in writing.

B4. CONFIDENTIALITY

B4.1 Information provided to a Bidder by the City or acquired by a Bidder by way of further enquiries or through investigation is confidential. Such information shall not be used or disclosed in any way without the prior written authorization of the Contract Administrator. The use and disclosure of the confidential information shall not apply to information which:

- (a) was known to the Bidder before receipt hereof; or
- (b) becomes publicly known other than through the Bidder; or
- (c) is disclosed pursuant to the requirements of a governmental authority or judicial order.

B4.2 The Bidder shall not make any statement of fact or opinion regarding any aspect of the Tender to the media or any member of the public without the prior written authorization of the Contract Administrator.

B5. ADDENDA

B5.1 The Contract Administrator may, at any time prior to the Submission deadline, issue addenda correcting errors, discrepancies or omissions in the Tender, or clarifying the meaning or intent of any provision therein.

- B5.2 The Contract Administrator will issue each addendum at least two (2) Business Days prior to the Submission Deadline, or provide at least two (2) Business Days by extending the Submission Deadline.
- B5.3 Addenda will be available on the Bid Opportunities page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/bidopp.asp>
- B5.4 The Bidder is responsible for ensuring that he/she has received all addenda and is advised to check the Materials Management Division website for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- B5.5 The Bidder shall acknowledge receipt of each addendum in Paragraph 8 of Form A: Bid. Failure to acknowledge receipt of an addendum may render a Bid non-responsive.
- B5.6 Notwithstanding B3, enquiries related to an Addendum may be directed to the Contract Administrator indicated in D3.

B6. SUBSTITUTES

- B6.1 The Work is based on the materials, equipment, methods and products specified in the Tender.
- B6.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.
- B6.3 Requests for approval of a substitute will not be considered unless received in writing by the Contract Administrator at least seven (7) Business Days prior to the Submission Deadline.
- B6.4 The Bidder shall ensure that any and all requests for approval of a substitute:
- (a) provide sufficient information and details to enable the Contract Administrator to determine the acceptability of the material, equipment, method or product as either an approved equal or alternative;
 - (b) identify any and all changes required in the applicable Work, and all changes to any other Work, which would become necessary to accommodate the substitute;
 - (c) identify any anticipated cost or time savings that may be associated with the substitute;
 - (d) certify that, in the case of a request for approval as an approved equal, the substitute will fully perform the functions called for by the general design, be of equal or superior substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the Contract;
 - (e) certify that, in the case of a request for approval as an approved alternative, the substitute will adequately perform the functions called for by the general design, be similar in substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the Contract.
- B6.5 The Contract Administrator, after assessing the request for approval of a substitute, may in his/her sole discretion grant approval for the use of a substitute as an “approved equal” or as an “approved alternative”, or may refuse to grant approval of the substitute.
- B6.6 The Contract Administrator will provide a response in writing, at least two (2) Business Days prior to the Submission Deadline, to the Bidder who requested approval of the substitute.
- B6.6.1 The Contract Administrator will issue an Addendum, disclosing the approved materials, equipment, methods and products to all potential Bidders. The Bidder requesting and obtaining the approval of a substitute shall be responsible for disseminating information regarding the approval to any person or persons he/she wishes to inform.

- B6.7 If the Contract Administrator approves a substitute as an “approved equal”, any Bidder may use the approved equal in place of the specified item.
- B6.8 If the Contract Administrator approves a substitute as an “approved alternative”, any Bidder bidding that approved alternative may base his/her Total Bid Price upon the specified item but may also indicate an alternative price based upon the approved alternative. Such alternatives will be evaluated in accordance with B16.
- B6.9 No later claim by the Contractor for an addition to the price(s) because of any other changes in the Work necessitated by the use of an approved equal or an approved alternative will be considered.

B7. BID SUBMISSION

- B7.1 The Bid shall consist of the following components:
- (a) Form A: Bid;
 - (b) Form B: Prices;
 - (c) Supporting specifications demonstrating technical compliance with requirements for items listed in Section T – Library Bookshelving.
- B7.2 Further to B7.1, the Bidder should include the written correspondence from the Contract Administrator approving a substitute in accordance with B6.
- B7.3 All components of the Bid shall be fully completed or provided, and submitted by the Bidder no later than the Submission Deadline, with all required entries made clearly and completely.
- B7.4 **The Bid Submission may be submitted by mail, facsimile transmission, or by email.**
- B7.5 If the Bid Submission is submitted by mail, it shall be enclosed and sealed in an envelope clearly marked with the Tender number and the Bidder's name and address, and shall be submitted to:
- The City of Winnipeg
Corporate Finance Department
Materials Management Division
185 King Street, Main Floor
Winnipeg MB R3B 1J1
- B7.5.1 Samples or other components of the Bid Submission which cannot reasonably be enclosed in the envelope may be packaged separately, but shall be clearly marked with the Tender number, the Bidder's name and address, and an indication that the contents are part of the Bidder's Bid Submission.
- B7.6 If the Bid Submission is submitted by facsimile transmission, it shall be submitted to 204- 949-1178.
- B7.6.1 The Bidder is advised that the City cannot take responsibility for the availability of the facsimile machine at any time or guarantee the successful receipt of a faxed Bid Submission.
- B7.7 If the Bid Submission is submitted by email, it shall be submitted to purchasing@winnipeg.ca
- B7.8 Bidders are advised not to include any information/literature except as requested in accordance with B7.1.
- B7.9 Bidders are advised that inclusion of terms and conditions inconsistent with the Tender document, including the General Conditions, will be evaluated in accordance with B16.1(a).

B8. BID

- B8.1 The Bidder shall complete Form A: Bid, making all required entries.
- B8.2 Paragraph 2 of Form A: Bid shall be completed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his/her own name, his/her name shall be inserted;
 - (b) if the Bidder is a partnership, the full name of the partnership shall be inserted;
 - (c) if the Bidder is a corporation, the full name of the corporation shall be inserted;
 - (d) if the Bidder is carrying on business under a name other than his/her own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.
- B8.2.1 If a Bid is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B8.2.
- B8.3 In Paragraph 3 of Form A: Bid, the Bidder shall identify a contact person who is authorized to represent the Bidder for purposes of the Bid.
- B8.4 Paragraph 11 of Form A: Bid shall be signed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his/her own name, it shall be signed by the Bidder;
 - (b) if the Bidder is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
 - (c) if the Bidder is a corporation, it shall be signed by its duly authorized officer or officers;
 - (d) if the Bidder is carrying on business under a name other than his/her own, it shall be signed by the registered owner of the business name, or by the registered owner's authorized officials if the owner is a partnership or a corporation.
- B8.4.1 The name and official capacity of all individuals signing Form A: Bid should be printed below such signatures.
- B8.4.2 All signatures shall be original.
- B8.5 If a Bid is submitted jointly by two or more persons, the word "Bidder" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Bidders in the Bid and the Contract, when awarded, shall be both joint and several.

B9. PRICES

- B9.1 The Bidder shall state a price in Canadian funds for each item of the Work identified on Form B: Prices.
- B9.1.1 Prices on Form B: Prices shall include:
- (a) duty;
 - (b) freight and cartage;
 - (c) Provincial and Federal taxes [except the Goods and Services Tax (GST) and Manitoba Retail Sales Tax (MRST, also known as PST), which shall be extra where applicable] and all charges governmental or otherwise paid;
 - (d) profit and all compensation which shall be due to the Contractor for the Work and all risks and contingencies connected therewith.
- B9.1.2 Prices on Form B: Prices shall not include Environmental Handling Charges (EHC) or fees, which shall be extra where applicable.

- B9.2 The quantities listed on Form B: Prices are to be considered approximate only. The City will use said quantities for the purpose of comparing Bids.
- B9.3 The quantities for which payment will be made to the Contractor are to be determined by the Work actually performed and completed by the Contractor, to be measured as specified in the applicable Specifications.

B10. DISCLOSURE

- B10.1 Various Persons provided information or services with respect to this Work. In the City's opinion, this relationship or association does not create a conflict of interest because of this full disclosure. Where applicable, additional material available as a result of contact with these Persons is listed below.
- B10.2 The Persons contacted for the purposes of furniture research and recommendations, technical information, samples and budget pricing are as follows:
- (a) Accent Environments
 - (b) Anthony Allan Office Furnishings/Haworth
 - (c) Art Metz Contract Interiors/Teknion
 - (d) BF Workplace
 - (e) Brunswick Filing Systems
 - (f) Contemporary Office Interiors
 - (g) First Avenue Office Furnishings Ltd
 - (h) Global Furniture Group
 - (i) Oi Furniture
 - (j) Schoolhouse Products
 - (k) Ven-Rez Products

B11. CONFLICT OF INTEREST AND GOOD FAITH

- B11.1 Further to C3.2, Bidders, by responding to this Tender, declare that no Conflict of Interest currently exists, or is reasonably expected to exist in the future.
- B11.2 Conflict of Interest means any situation or circumstance where a Bidder or employee of the Bidder proposed for the Work has:
- (a) other commitments;
 - (b) relationships;
 - (c) financial interests; or
 - (d) involvement in ongoing litigation;
- that could or would be seen to:
- (i) exercise an improper influence over the objective, unbiased and impartial exercise of the independent judgment of the City with respect to the evaluation of Bids or award of the Contract; or
 - (ii) compromise, impair or be incompatible with the effective performance of a Bidder's obligations under the Contract;
- (e) has contractual or other obligations to the City that could or would be seen to have been compromised or impaired as a result of its participation in the Tender process or the Work; or
 - (f) has knowledge of confidential information (other than confidential information disclosed by the City in the normal course of the Tender process) of strategic and/or material relevance

to the Tender process or to the Work that is not available to other bidders and that could or would be seen to give that Bidder an unfair competitive advantage.

B11.3 In connection with its Bid, each entity identified in B11.2 shall:

- (a) avoid any perceived, potential or actual Conflict of Interest in relation to the procurement process and the Work;
- (b) upon discovering any perceived, potential or actual Conflict of Interest at any time during the Tender process, promptly disclose a detailed description of the Conflict of Interest to the City in a written statement to the Contract Administrator; and
- (c) provide the City with the proposed means to avoid or mitigate, to the greatest extent practicable, any perceived, potential or actual Conflict of Interest and shall submit any additional information to the City that the City considers necessary to properly assess the perceived, potential or actual Conflict of Interest.

B11.4 Without limiting B11.3, the City may, in its sole discretion, waive any and all perceived, potential or actual Conflicts of Interest. The City's waiver may be based upon such terms and conditions as the City, in its sole discretion, requires to satisfy itself that the Conflict of Interest has been appropriately avoided or mitigated, including requiring the Bidder to put into place such policies, procedures, measures and other safeguards as may be required by and be acceptable to the City, in its sole discretion, to avoid or mitigate the impact of such Conflict of Interest.

B11.5 Without limiting B11.3, and in addition to all contractual or other rights or rights at law or in equity or legislation that may be available to the City, the City may, in its sole discretion:

- (a) disqualify a Bidder that fails to disclose a perceived, potential or actual Conflict of Interest of the Bidder or any of its employees proposed for the Work;
- (b) require the removal or replacement of any employees proposed for the Work that has a perceived, actual or potential Conflict of Interest that the City, in its sole discretion, determines cannot be avoided or mitigated;
- (c) disqualify a Bidder or employees proposed for the Work that fails to comply with any requirements prescribed by the City pursuant to B11.4 to avoid or mitigate a Conflict of Interest; and
- (d) disqualify a Bidder if the Bidder, or one of its employees proposed for the Work, has a perceived, potential or actual Conflict of Interest that, in the City's sole discretion, cannot be avoided or mitigated, or otherwise resolved.

B11.6 The final determination of whether a perceived, potential or actual Conflict of Interest exists shall be made by the City, in its sole discretion.

B12. QUALIFICATION

B12.1 The Bidder shall:

- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Bidder does not carry on business in Manitoba, in the jurisdiction where the Bidder does carry on business; and
- (b) be financially capable of carrying out the terms of the Contract; and
- (c) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract.

B12.2 The Bidder and any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:

- (a) be responsible and not be suspended, debarred or in default of any obligations to the City. A list of suspended or debarred individuals and companies is available on the Information

Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <https://www.winnipeg.ca/matmgt/Templates/files/debar.pdf>

- B12.3 The Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:
- (a) have successfully carried out work similar in nature, scope and value to the Work; and
 - (b) be fully capable of performing the Work required to be in strict accordance with the terms and provisions of the Contract; and
 - (c) have a written workplace safety and health program, if required, pursuant to The Workplace Safety and Health Act (Manitoba).
- B12.4 The Bidder shall submit, within three (3) Business Days of a request by the Contract Administrator, proof satisfactory to the Contract Administrator of the qualifications of the Bidder and of any proposed Subcontractor.
- B12.5 The Bidder shall provide representative finish and upholstery samples applicable to the goods offered, as described in E2. The Bidder shall provide relevant samples within seven (7) Business Days of a request by the Contract Administrator. All applicable grades, product codes and upholstery technical information must be visible on each sample provided.
- B12.6 The Bidder shall provide, on the request of the Contract Administrator, full access to any of the Bidder's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Bidder's equipment and facilities are adequate to perform the Work.

B13. OPENING OF BIDS AND RELEASE OF INFORMATION

- B13.1 Bids will not be opened publicly.
- B13.2 Following the Submission Deadline, the names of the Bidders and their Section Prices (unevaluated, and pending review and verification of conformance with requirements or evaluated prices) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt>
- B13.3 After award of Contract, the name(s) of the successful Bidder(s), their address(es) and the Contract amount(s) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt>
- B13.4 The Bidder is advised that any information contained in any Bid may be released if required by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law or by City policy or procedures (which may include access by members of City Council).
- B13.4.1 To the extent permitted, the City shall treat as confidential information, those aspects of a Bid Submission identified by the Bidder as such in accordance with and by reference to Part 2, Section 17 or Section 18 or Section 26 of The Freedom of Information and Protection of Privacy Act (Manitoba), as amended.

B14. IRREVOCABLE BID

- B14.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 9 of Form A: Bid.
- B14.2 The acceptance by the City of any Bid shall not release the Bids of the next two lowest evaluated responsive Bidders and these Bidders shall be bound by their Bids on such Work until a Contract for the Work has been duly formed and the contract securities have been furnished as herein provided, but any Bid shall be deemed to have lapsed unless accepted within the time period specified in Paragraph 9 of Form A: Bid.

B15. WITHDRAWAL OF BIDS

- B15.1 A Bidder may withdraw his/her Bid without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.
- B15.1.1 Notwithstanding C20, the time and date of receipt of any notice withdrawing a Bid shall be the time and date of receipt as determined by the Manager of Materials.
- B15.1.2 The City will assume that any one of the contact persons named in Paragraph 3 of Form A: Bid or the Bidder's authorized representatives named in Paragraph 11 of Form A: Bid, and only such person, has authority to give notice of withdrawal.
- B15.1.3 If a Bidder gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials will:
- (a) retain the Bid until after the Submission Deadline has elapsed;
 - (b) open the Bid to identify the contact person named in Paragraph 3 of Form A: Bid and the Bidder's authorized representatives named in Paragraph 11 of Form A: Bid; and
 - (c) if the notice has been given by any one of the persons specified in B15.1.3(b), declare the Bid withdrawn.
- B15.2 A Bidder who withdraws his/her Bid after the Submission Deadline but before his/her Bid has been released or has lapsed as provided for in B14.2 shall be liable for such damages as are imposed upon the Bidder by law and subject to such sanctions as the Chief Administrative Officer considers appropriate in the circumstances. The City, in such event, shall be entitled to all rights and remedies available to it at law.

B16. EVALUATION OF BIDS

- B16.1 Award of the Contract shall be based on the following bid evaluation criteria:
- (a) compliance by the Bidder with the requirements of the Tender, or acceptable deviation therefrom (pass/fail);
 - (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B12 (pass/fail);
 - (c) Bid Price;
 - (d) economic analysis of any approved alternative pursuant to B6;
 - (e) costs to the City of administering multiple contracts.
- B16.2 Further to B16.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid Submission is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Bid, or waive technical requirements or minor informalities or irregularities if the interests of the City so require.
- B16.3 Further to B16.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in his/her Bid or in other information required to be submitted, that he/she is qualified.
- B16.4 Further to B16.1(c), the Total Bid Price shall be the sum of the quantities multiplied by the unit prices for each item shown on Form B: Prices.
- B16.4.1 Further to B16.1(a), in the event that a unit price is not provided on Form B: Prices, the City may determine the unit price by dividing the Amount (extended price) by the approximate quantity, for the purposes of evaluation and payment.
- B16.5 This Contract may be awarded as a whole or separately in sections.
- B16.5.1 Notwithstanding B9.1, the Bidder may, but is not required to, bid on all sections.
- B16.5.2 Notwithstanding B17.3, the City shall not be obligated to award any section to the responsible Bidder submitting the lowest evaluated responsive Bid for that section and

shall have the right to choose the alternative which is in its best interests. If the Bidder has not bid on all sections, he/she shall have no claim against the City if his/her partial Bid is rejected in favour of an award of the Contract on the basis of an alternative or section upon which he/she has not bid.

B17. AWARD OF CONTRACT

- B17.1 The City will give notice of the award of the Contract or will give notice that no award will be made.
- B17.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be qualified, and the Bids are determined to be responsive.
- B17.2.1 Without limiting the generality of B17.2, the City will have no obligation to award a Contract where:
- (a) the prices exceed the available City funds for the Work;
 - (b) the prices are materially in excess of the prices received for similar work in the past;
 - (c) the prices are materially in excess of the City's cost to perform the Work, or a significant portion thereof, with its own forces;
 - (d) only one Bid is received; or
 - (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.
- B17.3 Where an award of Contract is made by the City, the award shall be made to the qualified Bidder submitting the lowest evaluated responsive Bid, in accordance with B16.
- B17.3.1 Following the award of Contract, a Bidder will be provided with information related to the evaluation of his/her Bid upon written request to the Contract Administrator.
- B17.4 Notwithstanding C4, the City may issue a Purchase Order to the successful Bidder in lieu of the execution of a Contract.
- B17.5 The Contract Documents, as defined in C1.1(p) in their entirety shall be deemed to be incorporated in and to form a part of the Purchase Order notwithstanding that they are not necessarily attached to or accompany said Purchase Order.

PART C - GENERAL CONDITIONS

C0. GENERAL CONDITIONS

- C0.1 The *General Conditions for the Supply of Goods* (Revision 2020-01-31) are applicable to the Work of the Contract.
- C0.1.1 The *General Conditions for the Supply of Goods* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at http://www.winnipeg.ca/matmgt/gen_cond.stm
- C0.2 A reference in the Tender to a section, clause or subclause with the prefix "**C**" designates a section, clause or subclause in the *General Conditions for Supply of Goods*.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

D1.1 In addition to the *General Conditions for the Supply of Goods*, these Supplemental Conditions are applicable to the Work of the Contract.

D2. SCOPE OF WORK

D2.1 The Work to be done under the Contract shall consist of the supply, delivery and installation of furniture & shelving at Bill & Helen Norrie Library - 15 Poseidon Bay, at various locations within the building as instructed by the Contract Administrator.

D2.2 The major components of the Work are as follows:

- (a) Supply, delivery and installation of new furniture and equipment as indicated on drawings.
- (b) Supply, delivery and installation of new library bookshelving as indicated on drawings.

D3. CONTRACT ADMINISTRATOR

D3.1 The Contract Administrator is:

LM Architectural Group

Represented by: Shelly Slobodzian, Principal, Professional Interior Designer

Telephone No.: 204- 942-0681

Email Address: sslobodzian@esp-intdesigners.com

D4. NOTICES

D4.1 Except as provided for in C20.4, all notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the Contractor shall be sent to the address or facsimile number identified by the Contractor in Paragraph 2 of Form A: Bid.

D4.2 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in, D4.3 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator identified in D3.

D4.3 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications required to be submitted or returned to the City Solicitor shall be sent to the following facsimile number:

The City of Winnipeg
Legal Services Department
Attn: Director of Legal Services
Facsimile No.: 204 947-9155.

SUBMISSIONS

D5. AUTHORITY TO CARRY ON BUSINESS

D5.1 The Contractor shall be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Contractor

does not carry on business in Manitoba, in the jurisdiction where the Contractor does carry on business, throughout the term of the Contract, and shall provide the Contract Administrator with evidence thereof upon request.

D6. INSURANCE

D6.1 The Contractor shall provide and maintain the following insurance coverage:

- (a) commercial general liability insurance, in the amount of at least two million dollars (\$2,000,000.00) inclusive, with The City of Winnipeg added as an additional insured; such liability policy to also contain a cross-liability clause, contractual liability, non-owned automobile liability and products and completed operations cover, to remain in place at all times during the performance of the Work;
- (b) if applicable, Automobile Liability Insurance covering all motor vehicles, owned and operated and used or to be used by the Contractor directly or indirectly in the performance of the Work. The Limit of Liability shall not be less than \$2,000,000 inclusive for loss or damage including personal injuries and death resulting from any one accident or occurrence.

D6.2 Deductibles shall be borne by the Contractor.

D6.3 The Contractor shall provide the Contract Administrator with a certificate(s) of insurance, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of any Work but in no event later than the date specified in C4 for the return of the executed Contract Documents, as applicable.

D6.4 The Contractor shall not cancel, materially alter, or cause the policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the Contract Administrator.

SCHEDULE OF WORK

D7. COMMENCEMENT

D7.1 The Contractor shall not commence any Work until he/she is in receipt of a notice of award from the City authorizing the commencement of the Work.

D7.2 The Contractor shall not commence any Work until:

- (a) the Contract Administrator has confirmed receipt and approval of:
 - (i) evidence of authority to carry on business specified in D5;
 - (ii) evidence of the workers compensation coverage specified in C6.16;
 - (iii) evidence of the insurance specified in D6.
- (b) the Contractor has attended a meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a meeting.

D7.3 The Contractor shall successfully complete the following:

- (a) Verify all as-built dimensions related to furnishing and shelving locations in the building prior to fabrication. Notify the Contract Administrator of any discrepancies and adjust manufactured product to suit these conditions.
- (b) Provide shop drawings for library shelving within ten (10) days of notice of award for review and approval by Contract Administrator and City of Winnipeg.

D8. DELIVERY

D8.1 The BHN Library is currently under construction. The current schedule indicates that the expected date for furniture delivery and installation completion is as follows:

- (a) Delivery and Installation is to commence no earlier than Oct. 19, 2020 (final date to be confirmed upon award of contract).
 - (b) Full Delivery and Installation to be completed no later than Nov. 2, 2020 (final date to be confirmed upon award of contract).
- D8.2 Further to D8.1(a) and D8.1(b), the Contract Administrator may request to alter the expected delivery and installation date range for the Goods to accommodate any unanticipated delays to the construction schedule. If a delay is encountered, the Contractor shall arrange for the Goods to be stored off-site until a revised delivery and installation date is established.
- D8.3 Goods shall be delivered f.o.b. destination, freight prepaid to:
- Bill and Helen Norrie Library
15 Poseidon Bay
Winnipeg, MB
- D8.4 The Contractor shall confirm each delivery with the Contract Administrator or his/her designate, at least two (2) Business Days before delivery.
- D8.5 Goods shall be delivered between 8:30 a.m. and 4:30 p.m. on Business Days.
- D8.6 The Contractor shall off-load the Goods as directed at the delivery location.
- D8.7 Installation shall commence within two (2) working days of delivery, and installation shall be complete within eight (8) working days of commencement.
- D8.8 The library is currently under construction and may be under construction when the goods are to be delivered. Depending on the state of construction, the delivery date may be modified to accommodate ease of delivery, in which case the installation start shall be adjusted for the exact delay to delivery.
- D8.9 The Contractor shall ensure and successfully complete the following:
- (a) Coordinate dates for delivery and staging areas within the premises with the Contract Administrator.
 - (b) During installation, damaged or defective goods shall be replaced and/or repaired as directed by the Contract Administrator at no cost to The City. If repairs are possible, and authorized by the Contract Administrator and approved by The City, the Contractor shall touch up marred finishes or replace component parts as necessary to eliminate evidence of damage.
 - (c) Assemble furnishings and install in locations indicated on attached drawing.
 - (d) Install all book stack units over finished floor material.
 - (e) Removal of packing and shipping materials from site daily.
 - (f) Provide Contract Administrator with all written materials compiled in Operation Manuals related to supplied goods, including maintenance and warranty information.
 - (g) Provide all maintenance materials as requested in Specifications.

D9. LIQUIDATED DAMAGES

- D9.1 If the Contractor fails to achieve delivery and Installation of the Goods within the time specified in D8 Delivery the Contractor shall pay the City two hundred dollars (\$200) per Calendar Day for each and every Calendar Day until the Goods have been delivered.
- D9.2 The amount specified for liquidated damages in D9.1 is based on a genuine pre-estimate of the City's damages in the event that the Contractor does not achieve delivery by the day fixed herein for same.

D9.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

D10. COVID-19 SCHEDULE DELAYS

D10.1 The City acknowledges that the schedule for this Contract may be impacted by the COVID-19 pandemic. Commencement and progress of the Work shall be performed by the Contractor with due consideration to the health and safety of workers and the public and directives from health authorities and various levels of government, and in close consultation with the Contract Administrator.

D10.2 If the Contractor is delayed in the performance of the Work by reason of the COVID-19 pandemic, the Work schedule may be adjusted by a period of time equal to the time lost due to such delay and costs related to such delay will be determined and identified herein.

D10.3 A maximum of seven (7) Calendar Days after receiving a Purchase Order, the Contractor shall declare whether COVID-19 will affect the start date. If the Contractor declares that COVID-19 will affect the start date, the Contractor shall provide sufficient evidence that the delay is directly related to COVID-19, including but not limited to evidence related to availability of staff, availability of Material or work by others.

D10.4 For any delay related to COVID-19 and identified after Work has commenced, the Contractor shall within seven (7) Calendar Days of becoming aware of the anticipated delay declare the additional delay and shall provide sufficient evidence as indicated in D10.3. Failure to provide this notice will result in no additional time delays being considered by the City.

D10.5 The Work schedule, including the durations identified in D8 where applicable, will be adjusted to reflect delays accepted by the Contract Administrator.

D10.6 Any time or cost implications as a result of COVID-19 and in accordance with the above, as confirmed by the Contract Administrator shall be documented in accordance with C7.

MEASUREMENT AND PAYMENT

D11. INVOICES

D11.1 Further to C10, the Contractor shall submit an invoice for each order delivered to:

The City of Winnipeg
Corporate Finance - Accounts Payable
4th Floor, Administration Building, 510 Main Street
Winnipeg MB R3B 1B9
Facsimile No.: 204- 949-0864
Send Invoices to CityWpgAP-INVOICES@winnipeg.ca
Send Invoice Inquiries to CityWpgAP-INQUIRIES@winnipeg.ca

D11.2 Invoices must clearly indicate, as a minimum:

- (a) the City's purchase order number;
- (b) date of delivery;
- (c) delivery address;
- (d) type and quantity of goods delivered;
- (e) the amount payable with GST, MRST, and any applicable environmental handling charges/fees identified and shown as separate amounts; and
- (f) the Contractor's GST registration number.

D11.3 The City will bear no responsibility for delays in approval of invoices which are improperly submitted.

D11.4 Bid Submissions must not be submitted to the above facsimile number. Bids must be submitted in accordance with B7.

D12. PAYMENT

D12.1 Further to C10, the City may at its option pay the Contractor by direct deposit to the Contractor's banking institution.

D13. PAYMENT SCHEDULE

D13.1 Further to C10, payment shall be in Canadian funds net thirty (30) Calendar Days after receipt and approval of the Contractor's invoice.

WARRANTY

D14. WARRANTY

D14.1 Notwithstanding C11.2, the warranty period shall begin on the date of Total Performance and shall expire one (1) year thereafter, except where longer warranty periods are specified in the respective Specification sections, unless extended pursuant to C11.2 to C11.3, in which case it shall expire when provided for thereunder.

D14.2 Notwithstanding C11.2, the Contract Administrator may permit the warranty period for a portion or portions of the Work to begin prior to the date of Total Performance if a portion of the Work cannot be completed because of unseasonable weather or other conditions reasonably beyond the control of the Contractor but that portion does not prevent the balance of the Work from being put to its intended use.

D14.2.1 In such case, the date specified by the Contract Administrator for the warranty period to begin shall be substituted for the date specified in C11.2 for the warranty period to begin.

PART E - SPECIFICATIONS

GENERAL

E1. APPLICABLE SPECIFICATIONS AND DRAWINGS

E1.1 These Specifications shall apply to the Work.

E1.2 The following are applicable to the Work:

| <u>Drawing No.</u> | <u>Drawing Name/Title</u> |
|--------------------|---------------------------|
| FA.1 | Furniture Plan |

E1.3 Bidders are reminded that requests for approval of substitutes as an approved equal or an approved alternative shall be made in accordance with B6. In every instance where a brand name or design specification is used, the City will also consider approved equals and/or approved alternatives in accordance with B6.

E2. GOODS

E2.1 The Contractor shall supply furniture and library shelving in accordance with the requirements hereinafter specified. Products to meet detailed specifications provided. Bidder to verify that model numbers (if listed) match product descriptions and report any discrepancies for adjustment during tender period. In case of discrepancy, detailed description is to supercede model number.

SECTION A: GENERAL SEATING

- E2.2 Item No. 1: **CH1A – Side Chair**: molded polymer seat and back, 4 legs, armless.
- (a) Standard of Acceptance: Haworth, Maari Chair, Model: S7S-44-0H or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Dimensions: 21.5" D X 23" W x 33" H
 - (ii) Seat: 16.75" SD x 18.5" SW x 18" SH
 - (c) Construction:
 - (i) Conforms to ANSI/BIFMA X5.1-2017 (General Purpose Office Chairs)
 - (ii) Frame/Legs: Four point; 22mm o.d., 2.03mm thick, tubular steel; fully welded, no spot welds.
 - (iii) Seat & Back: High strength, textured, one-piece, glass infused nylon polymer, contour molded shell. Flexible back with rounded profile. Waterfall front seat edge.
 - (iv) Capability for stacking on floor up to 5 high.
 - (v) Weight: 16.7 lbs +/-
 - (vi) Weight Rating: Up to 325 lbs.
 - (d) Finish:
 - (i) Legs & Frame: Epoxy polyester hybrid powder coat paint finish; colour to be selected from manufacturer's full range of colours.
 - (ii) Seat & Back: Colour to be selected from manufacturer's full range of colours.
 - (e) Hardware: Glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Warranty: 12 year warranty
 - (g) Environmental Data: Greenguard Gold Certified; 100% Recyclable; 12% pre-Consumer /10% Post Consumer Recycled Content
 - (h) Design Intent Image:



- E2.3 Item No. 2: **CH1B – Side Chair:** molded polymer seat and back, 4 legs, with arms.
- (a) Standard of Acceptance: Haworth, Maari Chair, Model: S7S-44-1H or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Dimensions: 21.5" D x 25.5" W x 33" H
 - (ii) Seat: 16.75" SD x 18.5" SW x 18" SH
 - (iii) Arm: 8.5"
 - (c) Construction:
 - (i) Conforms to ANSI/BIFMA X5.1-2017 (General Purpose Office Chairs)
 - (ii) Frame/Legs: Four point; 22mm o.d., 2.03mm thick, tubular steel; fully welded, no spot welds.
 - (iii) Seat & Back: High strength, textured, one-piece, glass infused nylon polymer, contour molded shell. Flexible back with rounded profile. Waterfall front seat edge.
 - (iv) Arms: Steel with polypropylene arm cap; arms attached with 2 plug welds per arm.
 - (v) Capability for stacking on floor up to 5 high.
 - (vi) Weight: 16.9 lbs +/-
 - (vii) Weight Rating: Up to 325 lbs.
 - (d) Finish:
 - (i) Legs & Frame: Epoxy polyester hybrid powder coat paint finish; colour to be selected from manufacturer's full range of colours.
 - (ii) Seat & Back: Colour to be selected from manufacturer's full range of colours.
 - (iii) Arm and arm cap: Colour to be selected from manufacturer's full range of colours.
 - (e) Hardware: Glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Warranty: 12 year warranty
 - (g) Environmental Data: Greenguard Gold Certified; 100% Recyclable; 12% pre-Consumer /10% Post Consumer Recycled Content
 - (h) Design Intent Image:



- E2.4 Item No. 3: **ST2 – Stool:** molded polymer seat and back, without arms, 4 legs.
- (a) Standard of Acceptance: Haworth, Maari Stool – counter height, Model: S7SC-44-0H or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Dimensions: 23" D x 23" W x 41.5" H
 - (ii) Seat: 16.75" SD x 18.5" SW x 26" SH
 - (c) Construction:
 - (i) Conforms to ANSI/BIFMA X5.1-2017 (General Purpose Office Chairs)
 - (ii) Frame/Legs: Four point; 22mm o.d., 2.03mm thick, tubular steel steel with footrest; fully welded, no spot welds.
 - (iii) Seat & Back: High strength, textured, one-piece, glass infused nylon polymer, contour molded shell. Flexible back with rounded profile. Waterfall front seat edge.
 - (iv) Weight: 19.5 lbs +/-
 - (v) Weight Rating: Up to 325 lbs.
 - (d) Finish:
 - (i) Legs & Frame: Epoxy polyester hybrid powder coat paint finish; colour to be selected from manufacturer's full range of colours.
 - (ii) Seat & Back: Colour to be selected from manufacturer's full range of colours.
 - (e) Hardware: Glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Warranty: 12 year warranty
 - (g) Environmental Data: Greenguard Gold Certified; 100% Recyclable; 13% pre-Consumer /13% Post Consumer Recycled Content
 - (h) Design Intent Image:



SECTION B: STACKING SEATING

- E2.5 Item No. 4: **CH2A – Stacking Side Chair**: molded nylon seat and back, 4 legs, armless.
- (a) Standard of Acceptance: Herman Miller, Caper Chair, Model: WC410N or equivalent in accordance with B6. Note: Chairs submitted for consideration MUST weigh under 10lbs.
 - (b) Dimensions:
 - (i) Overall Dimensions: 24" D x 24.25" W x 32" H
 - (ii) Seat Dimensions: 17.5" SH
 - (c) Construction:
 - (i) Conforms to ANSI/BIFMA X5.1-2017 (General Purpose Office Chairs)
 - (ii) Frame and Legs: High-strength, low-alloy (HSLA), 7/8" dia, 16 gauge tubular steel frame; four santoprene bumper attached to frame for stacking; continuous welded legs.
 - (iii) Seat & Back: Flexible, perforated, contoured, glass-filled nylon seat and back. Cut out hand hold in back for ease of transport.
 - (iv) Capable of stacking 6 high on floor and 15 high on cart.
 - (v) Weight: Lightweight, 9.5 lbs (armless version).
 - (vi) Weight Rating: Up to to 300 lbs.
 - (d) Finish:
 - (i) Legs & Frame: Powder coat epoxy paint finish; colour to be selected from manufacturer's full range of colours.
 - (ii) Seat and Back: Colours to be selected from manufacturer's full range of colours.
 - (e) Hardware: Glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Warranty: 12 year warranty, 3 shift.
 - (g) Environmental Data: Indoor Advantage Gold certified. Up to 95% Recyclable. 20% recycled content (2% pre consumer, 18% post consumer).
 - (h) Design Intent Image:



- E2.6 Item No. 5: **CH2B – Stacking Side Chair**: molded nylon seat and back, 4 legs, with arms.
- (a) Standard of Acceptance: Herman Miller, Caper Chair, Model: WC410P or equivalent in accordance with B6. Note: Chairs submitted for consideration MUST weigh under 10lbs.
 - (b) Dimensions:
 - (i) Overall Dimensions: 24" D x 24.25" W x 32" H; arm height 26.25"
 - (ii) Seat Dimensions: 17.5" SH
 - (c) Construction:
 - (i) Conforms to ANSI/BIFMA X5.1-2017 (General Purpose Office Chairs).
 - (ii) Frame and Legs: High-strength, low-alloy (HSLA), 7/8" dia, 16 gauge tubular Steel frame; four Santoprene bumper attached to frame for stacking; continuous welded legs.
 - (iii) Seat & Back: Flexible, perforated, contoured, glass-filled nylon seat and back. Cut out hand hold in back for ease of transport.
 - (iv) Capable of stacking 6 high on floor and 15 high on cart.
 - (v) Weight: Lightweight, 9.5 lbs (armless version).
 - (vi) Weight Rating: Up to 300 lbs.
 - (d) Finish:
 - (i) Legs & Frame: Powder coat epoxy paint finish; colour to be selected from manufacturer's full range of colours.
 - (ii) Seat, Back and Arm Cap: Colours to be selected from manufacturer's full range of colours.
 - (e) Hardware: Glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Warranty: 12 year warranty, 3 shift.
 - (g) Environmental Data: Indoor Advantage Gold certified. Up to 95% Recyclable. 20% recycled content (2% pre consumer, 18% post consumer).
 - (h) Image:



- E2.7 Item No. 6: **Chair Dolly:** casters, to store/transport wire stacker chairs CH2A/B.
- (a) Standard of Acceptance: Herman Miller, Caper Cart, Model: WC904 or equivalent in accordance with B6.
 - (b) Overall Dimensions (+/-): 42" D x 28" W x 17" H (without stacked chairs)
 - (c) Construction: Single-piece-molded construction c/w molded-in handles and 4" diameter casters: 2 swivel and 2 rigid.
 - (d) Finish: Black
 - (e) Warranty: 12 year warranty
 - (f) Other: Provide quantities of dollies as required to suit CH2A & CH2B chair total quantity specified. Standard of Acceptance Chair (CH2A/B) stacks 15 high on the dolly.
 - (g) Design Intent Image:



SECTION C: CHILDREN'S SEATING

- E2.8 Item No. 7: **CH3A – Children's Chair:** 14" SH, molded plastic seat and back, armless.
- (a) Standard of Acceptance: Virco, Analogy, Model: AN14 or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Dimensions (+/-): 16" D X 15" W x 24.5" H
 - (ii) Seat Height: 14" H
 - (c) Construction:
 - (i) Conforms to ANSI/BIFMA X6.1 (Educational Seating)
 - (ii) Frame & Legs: 1" Diameter x 17 gauge tubular steel joined to two 15 gauge steel brackets, continuous weld. No spot welds accepted.
 - (iii) Seat & Back: One-piece, contoured, injection-molded polypropylene shell with flexible, ribbed back.
 - (iv) Metal to metal connections. Concealed metal fasteners for seat to frame connections.
 - (v) Capable of stacking 8 high on the floor.
 - (d) Finish:
 - (i) Legs & Frame: Chrome or powder coated finish.
 - (ii) Seat & Back: Colour to be selected from manufacturer's full range of colours. Colour selection offering to include bolds and brights.
 - (e) Hardware: Self-levelling, steel-base, swivel glides to suit flooring type. Confirm with Design Consultant prior to ordering.
 - (f) Environmental Data: Greenguard Gold certified.
 - (g) Warranty: 10 year warranty
 - (h) Design Intent Image:



- E2.9 Item No. 8: **CH3B – Children’s Chair:** 16” SH, molded plastic seat and back, armless.
- (a) Standard of Acceptance: Virco, Analogy, Model: AN16 or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Dimensions (+/-): 18” D x 17” W x 28” H
 - (ii) Seat Height: 16” H
 - (c) Construction:
 - (i) Conforms to ANSI/BIFMA X6.1 (Educational Seating).
 - (ii) Frame & Legs: 1” Diameter x 17 gauge tubular steel joined to two 15 gauge steel brackets, continuous weld. No spot welds accepted.
 - (iii) Seat & Back: One-piece, contoured, injection-molded polypropylene shell with flexible, ribbed back.
 - (iv) Metal to metal connections. Concealed metal fasteners for seat to frame connections.
 - (v) Capable of stacking 8 high on the floor.
 - (d) Finish:
 - (i) Legs & Frame: Chrome or powder coated finish.
 - (ii) Seat & Back: Colour to be selected from manufacturer's full range of colours. Colour selection offering to include bolds and brights.
 - (e) Hardware: Self-levelling, steel-base, swivel glides to suit flooring type. Confirm with Design Consultant prior to ordering.
 - (f) Environmental Data: Greenguard Gold certified.
 - (g) Warranty: 10 year warranty
 - (h) Design Intent Image:



SECTION D: MODULAR CIRCULAR LOUNGE SEATING

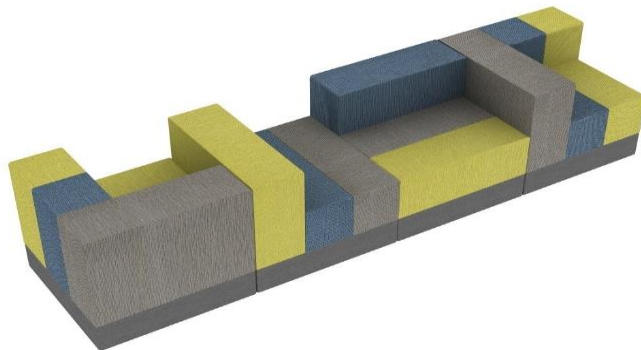
- E2.10 Item No. 9: **LC1 – Modular, Circular Seating:** c/w integrated side tables and matching coffee table; power/USB ports (x2) in vertical face of side tables.
- (a) Standard of Acceptance: Global, River + Seating and Tables or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall composition Dimensions: 11'-2" x 9'-6" (+/-); Refer to drawing FA.1.
 - (ii) Components:
 - (i) Inside curve seat with back; Model No. R27815; 30" D x 18" H seat/32" H back (quantity x3)
 - (ii) Inside curve two seat bench, without back; Model No. R27834; 30" D x 18" H seat (quantity x2)
 - (iii) Inside curve, wide wedge end table with integrated power/USB; Model No. R27863 (quantity x2)
 - (iv) Round Coffee Table; Model No. 7734; 36" dia. x 17"H (quantity x1)
 - (c) Construction:
 - (i) Meets or exceeds ANSI/BIFMA X5.4 - 2012: Lounge and Public Seating
 - (ii) Modular curved sections; seating and tables with ganging hardware.
 - (iii) Base: Interlocking puzzle box construction, underside is covered with fabric lining, metal-to-metal connections between all components; .75"-1" thick birch plywood frame.
 - (iv) Seat: .75" thick birch plywood seat frame; seat cushion is made of high density Ultracell foam, 5" thick; PVC (vinyl) sealed seat bottoms with PUR sealed staple fastening.
 - (v) Back: 1" thick birch plywood back frame, 2" thick back foam.
 - (vi) Seat to back connector components join back and seat, maintaining offset for cleanout.
 - (vii) Legs: Welded steel legs, 6.5" high, bolted directly to unit frame; back legs slated, front legs straight.
 - (viii) Weight rating: 600 lbs per seat, 24/7 use.
 - (d) Finish:
 - (i) Legs & Frame: Black metal.
 - (ii) Seat & Back Upholstery:
 - (i) Grade 4 Enviroleather; two colours (mixed application) to be selected from manufacturer's full range of colours.
 - (ii) Polyurethane; 55% TPE, 35% polyester, 10% cotton
 - (iii) 200,000+ double rubs min.
 - (iv) All seams for seats and backs to be seam sealed.
 - (v) UFAC Class 1
 - (vi) ASTM E-84
 - (vii) CAL TB117-2013
 - (viii) NFPA 260A
 - (iii) Table Tops: High Pressure Laminate; colour to be selected from manufacturer's full range.
 - (e) Hardware:
 - (i) Ganging mechanisms
 - (ii) Electrical components: Power module in curved table vertical face with duplex outlet and USB; colour to be selected.
 - (iii) Non marking, height adjustable glides.

- (f) Warranty: 12 year heavy duty warranty; 24/7 use; min. 5 year warranty on foam and textiles
- (g) Environmental Data: PVC free; includes recycled and renewable content
- (h) Design Intent Image:



SECTION E: MODULAR LOUNGE SEATING

- E2.11 Item No. 10: **LC2 – Modular Lounge Seating:** Teen Area, multi-faceted, reconfigurable components.
- (a) Standard of Acceptance: Oi, Cellular Modular Seating or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Individual Cell Dimensions: 30" D x 30" W x 26.5" OH
 - (ii) Bases: 30" D x 30" W x 6.5" H **(x4 units)**
 - (iii) Arm Cushion: 30" D x 10" W x 20" H **(x4 units)**
 - (iv) Back Cushion: 30" D x 10" W x 20" H; 16.5" SH from ground; 20" SD **(x4 units)**
 - (v) Seat Cushion: 30" D x 10" W x 10" H; 16.5" SH from ground; 30" SD **(x4 units)**
 - (c) Construction:
 - (i) Interlocking, individual, multi-configurable components; no separate mechanical fasteners required.
 - (ii) Base and Cushion Cores: Recycled and reground linear low density polyethylene resin (LLDPE).
 - (iii) Cushion Foam: BASF Elastoflex foam; fully recyclable PBDE free; no CFC's; Greenguard Gold certified; Level 3 certified.
 - (d) Finish:
 - (i) Base: Charcoal. Colour to be selected from manufacturer's full range of colours.
 - (ii) Cushion Upholstery:
 - (i) Fun Covering II - Pattern: Momentum Beeline; 3 colours (to be selected)
 - (ii) 100% EPU Polyurethane, PVC Free with polyester backing
 - (iii) 900,000 double rubs
 - (iv) Meets Cal 117 2013, UFAC Class 1, NFPA 260 CLA 1
 - (v) Bleach cleanable
 - (vi) Three colour combination to be selected from manufacturer's full range of colours.
 - (vii) Greenguard Gold Certified; PVC free.
 - (e) Other: Base weight - 16 pounds.
 - (f) Environmental Data: Composed of 50% recycled materials and 50% recyclable virgin materials; component parts are 100% recyclable; refer to info above re: foam and upholstery environmental certifications.
 - (g) Warranty: 25 year warranty for bases, cushion cores and locks; 5 year warranty for cushion foam; 10 year warranty for cushion covers.
 - (h) Design Intent Image:



SECTION F: LOUNGE SEATING

- E2.12 Item No. 11: **LC3A – Lounge Chair**: upholstered seat and back, with plywood shell.
- (a) Standard of Acceptance: Herman Miller – Swoop Plywood Lounge Chair, Model No. OA200 or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Dimensions: 29" D x 33" W x 32" H
 - (ii) Seat Dimensions: 16.5" H
 - (c) Construction:
 - (i) Meets or exceeds ANSI/BIFM X5.1-2017: General Purpose Office Chairs and ANSI/BIFMA X5.4 - 2012: Lounge and Public Seating
 - (ii) Seat and Back: ½" plywood veneered shell. Seat and back held together by a bracket and lined with a polypropylene insert that the upholstered foam is adhered to.
 - (iii) Frame: 7/8" dia., 14 gauge cold rolled, welded, tubular steel.
 - (iv) Weight: 34.5 lbs
 - (d) Finish:
 - (i) Legs: Powder coat paint finish. Colour to be selected from manufacturer's full range of colours.
 - (ii) Seat & Back Upholstery:
 - (i) Herman Miller Textiles; Sequel (vinyl); Colour to be selected from manufacturer's full range of colours. Design Consultant to select max. 2 upholstery colours to be distributed throughout floor plan.
 - (ii) 100% vinyl
 - (iii) 200,000 double rubs
 - (iv) Meets California Tech Bulletin 117-2013, NFPA 260
 - (v) NOTE: No fixed seat cushions or upholstery seams/crevices where debris can accumulate or items could be hidden will be accepted. Owner to review upholstery details for proposed products prior to acceptance.
 - (e) Hardware: Glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Environmental Data: SCS Indoor Advantage™ Gold certified
 - (g) Warranty: 12 year parts and labour warranty.
 - (h) Design Intent Image:



- E2.13 Item No. 12: **LC3B – Lounge Chair Ottoman:** upholstered seat with plywood shell.
- (a) Standard of Acceptance: Herman Miller – Swoop Plywood Ottoman, Model No. OA204 or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Dimensions: 18" D x 24" W x 16.5" H
 - (c) Construction:
 - (i) Meets or exceeds ANSI/BIFM X5.1-2017: General Purpose Office Chairs and ANSI/BIFMA X5.4 - 2012: Lounge and Public Seating
 - (ii) 3/8" plywood veneered shell with upholstered foam top.
 - (iii) Frame: 7/8" dia., 14 gauge cold rolled, welded, tubular steel.
 - (iv) Weight: 17.1 lbs
 - (d) Finish:
 - (i) Legs: Powder coat paint finish. Colour to be selected from manufacturer's full range of colours.
 - (ii) Upholstery:
 - (i) Herman Miller Textiles; Sequel (vinyl); Colour to be selected from manufacturer's full range of colours.
 - (ii) 100% vinyl
 - (iii) 200,000 double rubs
 - (iv) Meets California Tech Bulletin 117-2013, NFPA 260
 - (e) Hardware: Glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Environmental Data: SCS Indoor Advantage™ Gold certified
 - (g) Warranty: 12 year parts and labour warranty.
 - (h) Design Intent Image:



SECTION G: OTTOMANS

E2.14 Item No. 13: **ST1A – Ottoman:** fully upholstered, no casters.

- (a) Standard of Acceptance: FomCore, Round Ottoman; Model No. F005-18x18-G or equivalent in accordance with B6.
- (b) Dimensions: 18" dia. x 18" H
- (c) Construction:
 - (i) All foam core construction.
 - (ii) ½" MDF base boards with metal inserts to fit adjustable glides.
 - (iii) Upholstery:
 - (i) Vinyl with urethane topcoat and Hi-Loft²™ backing
 - (ii) Fully upholstered; reinforced seams and stitching
 - (iii) AB 2998 compliant; formaldehyde free; no heavy metals; antibacterial; antifungal; stain resistant
 - (iv) 100,000 double rubs
 - (v) CAL TB 117-2013; NPFA 260 – Cover Fabric – Class 1; UFAC Fabric – Class 1
 - (iv) Foam:
 - (i) One piece solid foam core
 - (ii) #100 foam (1.8 lbs per cubic ft density and >100lbs firmness)
 - (iii) CAL TB 117-2013 compliant
- (d) Weight: 10 lbs
- (e) Finish: Spradling Silververtex Neo or Whisper Neo Vinyl Fabric; colour to be selected from manufacturer's full range of colours.
- (f) Hardware: Adjustable glides to suit flooring type; confirm with Design Consultant prior to ordering.
- (g) Warranty: Lifetime warranty.
- (h) Design Intent Image:



- E2.15 Item No. 14: **ST1B – Ottoman**: fully upholstered, no casters.
- (a) Standard of Acceptance: FomCore, Round30 Ottoman; Model No. F005-30x18-G or equivalent in accordance with B6.
 - (b) Dimensions: 30" dia. x 18" H O/A
 - (c) Construction:
 - (i) All foam core construction.
 - (ii) ½" MDF base boards with metal inserts to fit adjustable glides.
 - (iii) Upholstery:
 - (i) Vinyl with urethane topcoat and Hi-Loft²™ backing
 - (ii) Fully upholstered; reinforced seams and stitching
 - (iii) AB 2998 compliant; formaldehyde free; no heavy metals; antibacterial; antifungal; stain resistant
 - (iv) 100,000 double rubs
 - (v) CAL TB 117-2013; NPFA 260 – Cover Fabric – Class 1; UFAC Fabric – Class 1
 - (iv) Foam:
 - (i) One piece solid foam core
 - (ii) #100 foam (1.8 lbs per cubic ft density and >100lbs firmness)
 - (iii) CAL TB 117-2013 compliant
 - (d) Weight: 30 lbs
 - (e) Finish: Spradling Silvertex Neo or Whisper Neo Vinyl Fabric; colour to be selected from manufacturer's full range of colours.
 - (f) Hardware: Adjustable glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (g) Warranty: Lifetime warranty.
 - (h) Design Intent Image:



SECTION H: SPECIALTY TABLES

- E2.16 Item No. 15: **TB1A/B – Public Computer Table, Combination Heights:** integrated power/data trough with cable management
- (a) Standard of Acceptance: To be determined. Products for consideration to be submitted for review in accordance with B6.
 - (b) Dimensions: Two individual tables, multiple heights, banked together to appear as one unit; refer to drawing FA.1.
 - (i) TB1A: 48" D x 132" W x 30"H
 - (ii) TB1B: 48" D x 84" W x 36" H
 - (c) Construction:
 - (i) Top: 1" thick NAUF particle board core with 2" built up edge; high pressure plastic laminate faces all sides.
 - (ii) End Panels: 2" thick profile composed of 1" thick particle board core; 'waterfall' profile; high pressure plastic laminate faces all sides. All fasteners to be metal with steel threaded inserts.
 - (iii) Horizontal Wire Manager: Structural, bent metal trough to conceal cords and cables c/w cuts outs for data/communications and power. Fastened with metal screws to end panels.
 - (iv) Vertical Wire Manager: Rectangular, field removable, bent metal vertical wire manager to conceal cords and cables from trough to floor outlet.
 - (d) Finish:
 - (i) Top: High pressure plastic laminate; 2 colours to be selected (one for top finish, one for underside)
 - (ii) Metal Components (horizontal and vertical wire management): Powder coat paint finish.
 - (e) Hardware:
 - (i) Power/Data Modules:
 - (i) Power/data modules recessed in trough with flush, flip up door access: Provide 2 data outlets and 1 duplex electrical receptacle per computer workstation shown on drawing FA.1 Furniture Plan. 72" (min.) cords to be provided as part of electrical connection to flush floor pedestal. Locate in center of worksurface. NOTE: Clear desk surface of 21" min. on each side of flip up access doors to be provided.
 - (ii) Flush, power/USB modules: Three total (to be distributed between TB1A and TB1B), located in center of worksurface; 2 electrical outlets and 2 USB per module; 72" (min.) cord to be provided as part of electrical connection to flush floor pedestal.
 - (ii) Recessed, levelling glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Warranty: Lifetime warranty.

(g) Design Intent Image:

(Note: Images shown below are for general design intent only and may not show all features noted above in specifications.)



Example of a power/data module recessed in trough with flush, flip up access door.



Example of a flush, power/USB module.



- E2.17 Item No. 16: **TB7 – Public Computer Table, Counter Height:** Teen Area, worksurface power/USB module with integrated cable management
- (a) Standard of Acceptance: To be determined. Products for consideration to be submitted for review in accordance with B6.
 - (b) Dimensions: 36" D x 144" W x 36" H
 - (c) Construction:
 - (i) Top: 1" thick NAUF particle board core with 2" built up edge; high pressure plastic laminate faces all sides.
 - (ii) End Panels: 2" thick profile composed of 1" thick particle board core; 'waterfall' profile; high pressure plastic laminate faces all sides. All fasteners to be metal with steel threaded inserts.
 - (iii) Horizontal Wire Manager: Structural, bent metal trough to conceal cords and cables c/w cuts outs for data/communications and power. Fastened with metal screws to end panels.
 - (iv) Vertical Wire Manager: Rectangular, field removable, bent metal vertical wire manager to conceal cords and cables from trough to floor outlet.
 - (d) Finish:
 - (i) Top: High pressure plastic laminate; 2 colours to be selected (one for top finish, one for underside)
 - (ii) Metal Components (horizontal and vertical wire management): Powder coat paint finish.
 - (e) Hardware:
 - (i) Flush Power/USB Modules: Two total, located along center of worksurface; 2 electrical outlets and 2 USB per module; 72" (min.) cord to be provided as part of electrical connection to flush floor pedestal.
 - (ii) Recessed, levelling glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Warranty: Lifetime warranty.
 - (g) Design Intent Image:
(Note: Images shown below are for general design intent only and may not show all features noted above in specifications.)

(Example of Vertical Wire Manager.)



SECTION I: CHILDREN'S TABLES

- E2.18 Item No. 17: **TB3A – Children's Table**: 42" W, adjustable height, rectangular.
- (a) Standard of Acceptance: Mitybilt, Aktivty Rectangle Table; Model No. E3042.AH or equivalent in accordance with B6.
 - (b) Dimensions: 30" D x 42" W x 22-30" H (adjustable height range)
 - (c) Construction:
 - (i) Frame & Base: 16 gauge, 2" dia 'Espire' metal legs, height adjustable; metal to metal fastening; fully welded construction with laser cut metal support brackets.
 - (ii) Top: 1" thick, 45 lb. high density industrial grade particleboard core with high pressure laminate surface; balancing baker sheet and 3mm vinyl bonded edgebanding; rounded corners for safety; chewing gum resistant table backing.
 - (d) Finish:
 - (i) Frame & Base: Black powder coat paint finish
 - (ii) Top: High pressure plastic laminate with 3mm vinyl bonded edgebanding. Colour to be selected from manufacturer's entire selection.
 - (e) Hardware:
 - (i) Metal to metal fasteners; threaded metal insert and fasteners.
 - (ii) Adjustable nylon glides to suit flooring type. Confirm with Design Consultant prior to ordering.
 - (iii) Height adjustable legs.
 - (f) Environmental Data: Greenguard Gold Certified.
 - (g) Warranty: Limited lifetime warranty.
 - (h) Design Intent Image:



- E2.19 Item No. 18: **TB3B – Children’s Table**: 48” W, adjustable height, rectangular.
- (a) Standard of Acceptance: Mitybilt, Aktivty Rectangle Table; Model No. E3048.AH or equivalent in accordance with B6.
 - (b) Dimensions: 30” D x 48” W x 22-30” H (adjustable height range)
 - (c) Construction:
 - (i) Frame & Base: 16 gauge, 2” dia ‘Espire’ metal legs, height adjustable; metal to metal fastening; fully welded construction with laser cut metal support brackets.
 - (ii) Top: 1” thick, 45 lb. high density industrial grade particleboard core with high pressure laminate surface; balancing baker sheet and 3mm vinyl bonded edgebanding; rounded corners for safety; chewing gum resistant table backing.
 - (d) Finish:
 - (i) Frame & Base: Black powder coat paint finish
 - (ii) Top: High pressure plastic laminate with 3mm vinyl bonded edgebanding. Colour to be selected from manufacturer’s entire selection.
 - (e) Hardware:
 - (i) Metal to metal fasteners; threaded metal insert and fasteners.
 - (ii) Adjustable nylon glides to suit flooring type. Confirm with Design Consultant prior to ordering.
 - (iii) Height adjustable legs.
 - (f) Environmental Data: Greenguard Gold Certified.
 - (g) Warranty: Limited lifetime warranty.
 - (h) Design Intent Image:



E2.20 Item No. 19: **TB4 – Children’s Table, Wave Shape:** adjustable height.

- (a) Standard of Acceptance: Mitybilt, Conekt Wave Table, Model: E60Wave.AH or equivalent in accordance with B6.
- (b) Dimensions: 60” dia. x 22” – 30” H (adjustable height range)
- (c) Construction:
 - (i) Frame & Base: 16 gauge, 2” dia. ‘Espire’ metal legs, height adjustable; metal to metal fastening; fully welded construction with laser cut metal support brackets.
 - (ii) Top: 1” thick, 45 lb. high density industrial grade particleboard core with high pressure laminate surface; balancing baker sheet and 3mm vinyl bonded edgebanding; rounded corners for safety; chewing gum resistant table backing.
 - (iii) Weight: 115 lbs.
- (d) Finish:
 - (i) Frame & Base: Black powder coat paint finish
 - (ii) Top: High pressure plastic laminate with 3mm vinyl bonded edgebanding. Colour to be selected from manufacturer’s entire selection.
- (e) Hardware:
 - (i) Metal to metal fasteners; threaded metal insert and fasteners.
 - (ii) Adjustable nylon glides to suit flooring type. Confirm with Design Consultant prior to ordering.
 - (iii) Height adjustable legs.
- (f) Environmental Data: Greenguard Gold Certified.
- (g) Warranty: Limited lifetime warranty.
- (h) Design Intent Image:



SECTION J: TABLES

- E2.21 Item No. 20: **TB2 – Meeting Table:** fixed T-leg, power/USB module in worksurface, integrated cable management.
- (a) Standard of Acceptance: Spec, Manhattan table with T-legs; 4272-RE-MNT equivalent in accordance with B6.
 - (b) Dimensions: 42" D x 72" W x 29" H
 - (c) Construction:
 - (i) Top: 1" thick NAUF particle board core with high pressure plastic laminate face c/w 2mm flat profile BIO edge.
 - (ii) Base: Round, 2" dia. column uprights constructed of 14 gauge seam-welded cold rolled steel tube. Feet are 1/4" thick solid steel plate formed to shape and supported by a 3/16" thick vertical steel web; non-visible weld connections. Solid 1/4" thick steel 9"x9" mounting plate welded to top of column and mechanical fastened to worksurface with threaded wood screws.
 - (iii) Glides: levelling glides threaded into solid 1/2" dia steel.
 - (d) Finish:
 - (i) Top: High pressure plastic laminate top with BIO edge. Colour to be selected from manufacturer's entire selection.
 - (ii) Base: Powder coat paint finish. Colour to be selected from manufacturer's entire selection.
 - (e) Hardware:
 - (i) Power Module: Flush, (Villa™ or equiv.) power module located in center of worksurface with flip up top; 2 power, 2 USB 2.1 amp charging ports and 2 data ports with cap cover and 72" cord.
 - (ii) Wire Manager: PVC snap on vertical wire manager one side. Colour to be selected from manufacturer's entire selection.
 - (iii) Levelling glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Environmental Data: Level® certified; contains 57.4% recycled content; 90.84% recyclable; bio edge made from 88% corn.
 - (g) Warranty: Lifetime structural warranty; two year finish warranty
 - (h) Design Intent Image:



- E2.22 Item No. 21: **TB8 – Study Table:** fixed T-leg, power/USB module with integrated wire management.
- (a) Standard of Acceptance: Spec, Manhattan table with t-leg base; Model No. 3672-RE-MNT or equivalent in accordance with B6.
 - (b) Dimensions: 36" D x 72" W x 29" H
 - (c) Construction:
 - (i) Top: 1" thick NAUF particle board core with high pressure plastic laminate face c/w 2mm flat profile BIO edge.
 - (ii) Base: Round, 2" dia. column uprights constructed of 14 gauge seam-welded cold rolled steel tube. Feet are 1/4" thick solid steel plate formed to shape and supported by a 3/16" thick vertical steel web; non-visible weld connections. Solid 1/4" thick steel 9"x9" mounting plate welded to top of column and mechanical fastened to worksurface with threaded wood screws.
 - (iii) Glides: levelling glides threaded into solid 1/2" dia steel.
 - (d) Finish:
 - (i) Top: High pressure plastic laminate top with BIO edge. Colour to be selected from manufacturer's entire selection.
 - (ii) Base: Powder coat paint finish. Colour to be selected from manufacturer's entire selection.
 - (e) Hardware:
 - (i) Power Module: Flush, (Villa™ or equiv.) power module located in center of worksurface with flip up top; 2 power, 2 USB 2.1 amp charging ports and 72" cord.
 - (ii) Wire Manager: PVC snap on vertical wire manager one side. Colour to be selected from manufacturer's entire selection.
 - (iii) Levelling glides to suit flooring type; confirm with Design Consultant prior to ordering.
 - (f) Environmental Data: Level® certified; contains 57.4% recycled content; 90.84% recyclable; bio edge made from 88% corn.
 - (g) Warranty: Lifetime structural warranty; two year finish warranty
 - (h) Design Intent Image:



E2.23 Item No. 22: **TB9 – Café Table: fixed T-leg.**

- (a) Standard of Acceptance: Spec, Manhattan table with T-leg base; Model No. 3072-RE-MNT or equivalent in accordance with B6.
- (b) Dimensions: 30" D x 72" W x 29" H
- (c) Construction:
 - (i) Top: 1" thick NAUF particle board core with high pressure plastic laminate face c/w 2mm flat profile BIO edge.
 - (ii) Base: Round, 2" dia. column uprights constructed of 14 gauge seam-welded cold rolled steel. Feet are 1/4" thick solid steel plate formed to shape and supported by a 3/16" thick vertical steel web; non-visible weld connections. Solid 1/4" thick steel 9"x9" mounting plate welded to top of column and mechanical fastened to worksurface with threaded wood screws.
 - (iii) Glides: levelling glides threaded into solid 1/2" dia steel.
- (d) Finish:
 - (i) Top: High pressure plastic laminate top with BIO edge. Colour to be selected from manufacturer's entire selection.
 - (ii) Base: Powder coat paint finish. Colour to be selected from manufacturer's entire selection.
- (e) Hardware:
 - (i) Levelling glides to suit flooring type; confirm with Design Consultant prior to ordering.
- (f) Environmental Data: Level® certified; contains 23.08% recycled content; 60.61% recyclable; bio edge made from 88% corn.
- (g) Warranty: Lifetime structural warranty; two year finish warranty
- (h) Design Intent Image:



E2.24 Item No. 23: **TB10 – Flip Top, Nesting Table:** locking casters.

- (a) Standard of Acceptance: Spec, Manhattan; Model No. 3072RE-MNT-FLIP or equivalent in accordance with B6.
- (b) Dimensions: 30" D x 72" W x 29" H
- (c) Construction:
 - (i) Top: 1" thick NAUF particle board core with high pressure plastic laminate face c/w 2mm flat profile BIO edge.
 - (ii) Base: Round, 2" dia column uprights constructed of 14 gauge seam-welded cold rolled steel tube. Feet are 1/4" thick solid steel plate formed to shape and supported by a 3/16" thick vertical steel web; non-visible weld connections. Solid 1/4" thick steel 9"x9" mounting plate welded to top of column and mechanical fastened to worksurface with threaded wood screws.
- (d) Finish:
 - (i) Top: High pressure plastic laminate top with BIO edge. Colour to be selected from manufacturer's entire selection.
 - (ii) Base: Powder coat paint finish. Colour to be selected from manufacturer's entire selection.
- (e) Hardware:
 - (i) Flip Top Mechanism: 4"x15" Flip 6 mechanism welded to base column. Top turns 90 degree with lever mechanism. 6" table depth dimension when table is in flipped position and nested. **Note: Table must flip and nest together with other tables in a compact format.**
 - (ii) Casters: Locking, heavy duty casters to suit carpet tile flooring.
- (f) Environmental Data: Level® certified; contains 57.4% recycled content; 90.84% recyclable; bio edge made from 88% corn.
- (g) Warranty: Lifetime structural warranty; two year finish warranty
- (h) Design Intent Image:

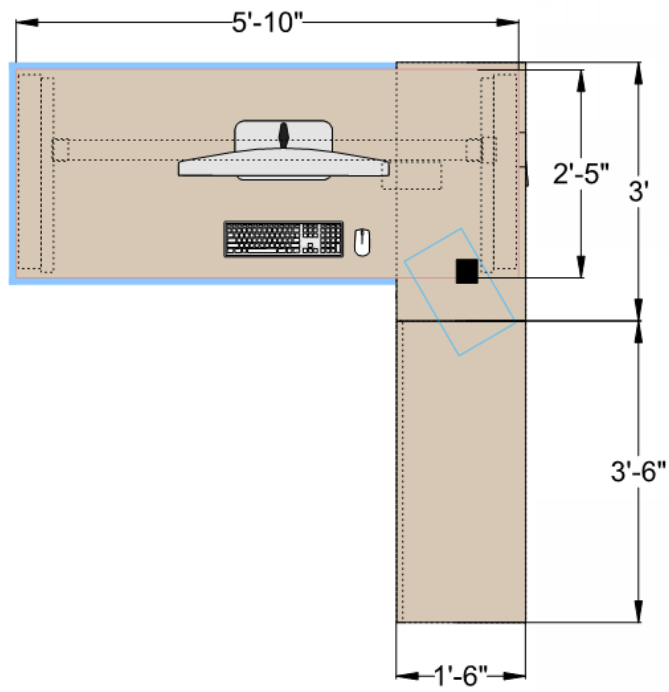


SECTION K: WORKSTATIONS AND RELATED STORAGE UNITS

E2.25 Item No. 24: **WS1 - Sit Stand Powered Adjustable Height Worksurface with Fixed Height Return and Modesty Panel.**

- (a) Standard of Acceptance: Steelcase, Ology with integrated storage or equivalent in accordance with B6.
- (b) Dimensions:
 - (i) Height Adjustable Worksurface: 29" (+/-) D x 72" (+/-) W x 22-5/8-48-3/4" H (adj. range) with modesty panel.
 - (ii) Credenza/Storage Unit: 18" D x 78" W OA; 42" W lateral file with box drawer/36" open storage cabinet
- (c) Construction:
 - (i) Meets or exceed ANSI/BIFMA X5.5 Desk/Table Product Tests and comply with ANSI/BIFMA Ergonomic Guidelines: BIFMA G1-2013 Sections 8.1.2
 - (ii) Powered Height Adjustable Worksurface: Wood core with 1" thick, high pressure laminate surface. PVC free 3mm square edge profile with min. 3mm radius on work edge.
 - (iii) Powered Worksurface Leg: T-leg, adjustable height with leveling glides. Lifting column is controlled by central box for synchronization. Cable riser for wire management.
 - (iv) Lifting Columns/Height Adjust Mechanism:
 - (i) Speed of travel: 1.5" per second without abrupt starts and stops.
 - (ii) Quiet operation (under 55 dBa).
 - (iii) Two synchronized lifting columns, precision balanced and controlled by a central control box; minimal vibration.
 - (iv) Column are telescoping with integral shrouding.
 - (v) Collision sensor.
 - (vi) Intuitive controls with up/down arrows.
 - (vii) Active touch controller with digital display, two preset buttons, double-tap automatic drive and active motion posture reminders.
 - (v) Universal EE6 Hanging Modesty Panel: 18" H x width of worksurface (+/- 4"); bracket attached.
 - (vi) Accessories:
 - (i) Cable Spine (riser): protects cables and cords from possible pinch points as surface is raised and lowered; steel housing for added protection.
 - (ii) Grommet to accommodate monitor arm (monitor arm NIC). Confirm arm mounting attachment with Owner prior to ordering product to ensure compatibility, grommet size etc.
 - (vii) Credenza/Storage: Welded steel components.
 - (viii) Other: Height adjustable worksurface supports a maximum distributed weight load of 314 pounds.
- (d) Finish:
 - (i) High pressure laminate with 3mm non PVC impact resistant edge; colour to be selected from manufacturer's entire selection.
 - (ii) Leg: Powder coat paint finish; colour to be selected from manufacturer's entire selection.
 - (iii) Modesty Panel: Plastic laminate finish with matching impact resistant, non PVC plastic edge.
- (e) Warranty: Lifetime warranty with 12 year warranty on height adjustable mechanism and electronics.

(f) Design Intent Image: *(Note: modesty panel not shown in rendering.)*



E2.26 Item No. 25: **WS2A - Sit Stand Powered Adjustable Height Worksurface.**

- (a) Standard of Acceptance: Steelcase, Ology or equivalent in accordance with B6.
- (b) Dimensions: 29" (+/-) D x 78" (+/-) W x 22-5/8-48-3/4" H (adj. range)
- (c) Construction:
 - (i) Meets or exceed ANSI/BIFMA X5.5 Desk/Table Product Tests and comply with ANSI/BIFMA Ergonomic Guidelines: BIFMA G1-2013 Sections 8.1.2
 - (ii) Powered Height Adjustable Worksurface: Wood core with 1" thick, high pressure laminate surface. PVC free 3mm square edge profile with min. 3mm radius on work edge.
 - (iii) Powered Worksurface Leg: T-leg, adjustable height with leveling glides. Lifting column is controlled by central box for synchronization. Cable riser for wire management.
 - (iv) Lifting Columns/Height Adjust Mechanism:
 - (i) Speed of travel: 1.5" per second without abrupt starts and stops.
 - (ii) Quiet operation (under 55 dBa).
 - (iii) Two synchronized lifting columns, precision balanced and controlled by a central control box; minimal vibration.
 - (iv) Column are telescoping with integral shrouding.
 - (v) Collision sensor.
 - (vi) Intuitive controls with up/down arrows.
 - (vii) Active touch controller with digital display, two preset buttons, double-tap automatic drive and active motion posture reminders.
 - (v) Accessories:
 - (i) Cable Spine (riser): protects cables and cords from possible pinch points as surface is raised and lowered; steel housing for added protection.
 - (ii) Grommet to accommodate monitor arm (monitor arm NIC). Confirm arm mounting attachment with Owner prior to ordering product to ensure compatibility, grommet size etc.
 - (vi) Other: Height adjustable worksurface supports a maximum distributed weight load of 314 pounds.
- (d) Finish:
 - (i) High pressure laminate with 3mm non PVC impact resistant edge; colour to be selected from manufacturer's entire selection.
 - (ii) Leg: Powder coat paint finish; colour to be selected from manufacturer's entire selection.
- (e) Warranty: Lifetime warranty with 12 year warranty on height adjustable mechanism and electronics.
- (f) Design Intent Image:



E2.27 Item No. 26: WS2B - Sit Stand Powered Adjustable Height Worksurface with Privacy Panel.

- (a) Standard of Acceptance: Steelcase, Ology or equivalent in accordance with B6.
- (b) Dimensions: 29" (+/-) D x 78" (+/-) W x 22-5/8-48-3/4" H (adj. range)
- (c) Construction:
 - (i) Meets or exceed ANSI/BIFMA X5.5 Desk/Table Product Tests and comply with ANSI/BIFMA Ergonomic Guidelines: BIFMA G1-2013 Sections 8.1.2
 - (ii) Powered Height Adjustable Worksurface: Wood core with 1" thick, high pressure laminate surface. PVC free 3mm square edge profile with min. 3mm radius on work edge.
 - (iii) Powered Worksurface Leg: T-leg, adjustable height with leveling glides. Lifting column is controlled by central box for synchronization. Cable riser for wire management.
 - (iv) Lifting Columns/Height Adjust Mechanism:
 - (i) Speed of travel: 1.5" per second without abrupt starts and stops.
 - (ii) Quiet operation (under 55 dBa).
 - (iii) Two synchronized lifting columns, precision balanced and controlled by a central control box; minimal vibration.
 - (iv) Column are telescoping with integral shrouding.
 - (v) Collision sensor.
 - (vi) Intuitive controls with up/down arrows.
 - (vii) Active touch controller with digital display, two preset buttons, double-tap automatic drive and active motion posture reminders.
 - (v) Accessories:
 - (i) Cable Spine (riser): protects cables and cords from possible pinch points as surface is raised and lowered; steel housing for added protection.
 - (ii) Grommet to accommodate monitor arm (monitor arm NIC). Confirm arm mounting attachment with Owner prior to ordering product to ensure compatibility, grommet size etc.
 - (iii) Brackets and rail to accommodate privacy screen mounting.
 - (vi) Other: Height adjustable worksurface supports a maximum distributed weight load of 314 pounds.
 - (vii) Ology/C:Scape Privacy Screen: 24" H x 48"W min. Rail mounted; tackable, fabric wrapped.
- (d) Finish:
 - (i) High pressure laminate with 3mm non PVC impact resistant edge; colour to be selected from manufacturer's entire selection.
 - (ii) Leg: Powder coat paint finish; colour to be selected from manufacturer's entire selection.
 - (iii) Privacy Screen: fabric to be selected from manufacturer's full range of Grade 2 fabrics.
- (e) Warranty: Lifetime warranty with 12 year warranty on height adjustable mechanism and electronics.

(f) Design Intent Image:



E2.28 Item No. 27: **WS3 – Fixed Height, Rectangular Worksurface.**

- (a) Standard of Acceptance: Steelcase Universal Systems Worksurfaces or equivalent in accordance with B6. Note: Worksurfaces will be used in combination with WS2A and must be from compatible series in regards to design and finish.
- (b) Dimensions: 30" D x 72" W x 29" H
- (c) Construction:
 - (i) Meets or exceed ANSI/BIFMA X5.5 Desk/Table Product Tests.
 - (ii) Worksurface: Wood core with a high pressure laminate surface, 1" thick. PVC free 3mm edge profile.
 - (iii) Leg: T leg.
- (d) Finish:
 - (i) High pressure laminate with 3mm non PVC impact resistant edge; colour to be selected from manufacturer's entire selection.
 - (ii) Leg: Powder coat paint finish; colour to be selected from manufacturer's entire selection.
- (e) Warranty: 12 year warranty

E2.29 Item No. 28: **TB11 – Meeting Table:** pedestal base.

- (a) Standard of Acceptance: Steelcase Universal Round Meeting Table or equivalent in accordance with B6. Note: Meeting Table will be used in combination with WS1 and must be from compatible series in regards to design and finish.
- (b) Dimensions: 30" dia. x 29" H
- (c) Construction:
 - (i) Meets or exceed ANSI/BIFMA X5.5 Desk/Table Product Tests.
 - (ii) Worksurface: Wood core with a high pressure laminate surface, 1" thick. PVC free 3mm edge profile.
 - (iii) Leg: Pedestal, steel leg base.
- (d) Finish:
 - (i) High pressure laminate with 3mm non PVC impact resistant edge; colour to be selected from manufacturer's entire selection.
 - (ii) Leg: Powder coat paint finish; colour to be selected from manufacturer's entire selection.
- (e) Warranty: 12 year warranty

- E2.30 Item No. 29: **STO1 – Metal Overhead Shelving:** wall mounted, open shelving.
- (a) Standard of Acceptance: Steelcase Universal Storage, In the Case Bin or equivalent in accordance with B6.
 - (b) Dimensions:
 - (i) Overall Dimensions: 15" D x 36" W x 16" H +/-
 - (ii) Interior Dimensions: 13-3/8" D x 12-1/4" H min. clear to accommodate 3 ring binder without contacting top when door closed.
 - (iii) Note: Shelf clearance must fit a standard 3 ring binder.
 - (c) Construction:
 - (i) Meets or exceeds ANSI/BIFMA Z5.9 Storage Unit Tests
 - (ii) Body: 22 gauge (min.) welded steel construction with receding steel door; flat steel door front; fully finished back and sides.
 - (iii) Hardware:
 - (i) Concealed horizontal mounting bracket.
 - (ii) Pneumatic door assist mechanism.
 - (iii) Door locks.
 - (d) Finish: Powder coat paint finish to be selected from manufacturer's full range of Grade 1 and 2 paint finishes.
 - (e) Warranty: Lifetime warranty.
 - (f) Environmental Data: Cradle to Cradle certified; SCS Indoor Advantage Certified.
 - (g) Design Intent Image:



E2.31 Item No. 30: **STO2 – Metal Two Door Storage Cabinet: locking.**

- (a) Standard of Acceptance: Steelcase Universal Storage Cabinet or equivalent in accordance with B6.
- (b) Dimensions: 18" D x 36" W x 65-1/2" H
- (c) Construction:
 - (i) Meets or exceeds ANSI/BIFMA Z5.9 Storage Unit Tests
 - (ii) Body: 22 gauge (min.) steel welded construction with 22 gauge (min) vertical steel upright side braces and horizontal back braces to minimize racking and misalignment; fully finished back and sides.
 - (iii) Top: 1" thick 20 gauge steel top with 20 gauge steel reinforcing channel.
 - (iv) Doors: Flush front, steel doors; locking.
 - (v) Shelves: 4 adjustable, 18 gauge steel shelves; adjustable in 3/4" increments.
 - (vi) Base: 3" H integral base.
 - (vii) Hardware:
 - (i) Counterweight package.
 - (ii) European style 110 degree hinges allowing full access to contents.
 - (iii) Soft urethane bumpers.
 - (iv) Locking doors.
 - (v) 1.5" high levelling glides.
 - (vi) Pulls to be selected from manufacturer's full range.
- (d) Finish: Powder coat paint finish to be selected from manufacturer's full range of Grade 1 and 2 paint finishes.
- (e) Warranty: Lifetime warranty.
- (f) Environmental Data: Cradle to Cradle certified; SCS Indoor Gold Advantage Certified.
- (g) Design Intent Image:



- E2.32 Item No. 31: **STO3 – Metal Combination Storage Unit:** 2 lower, locking lateral file drawers with open bookshelving above.
- (a) Standard of Acceptance: Steelcase Universal Combination Storage Cabinet or equivalent in accordance with B6.
 - (b) Dimensions: 18" D x 36" W x 65-1/2" H
 - (c) Construction:
 - (i) Meets or exceeds ANSI/BIFMA Z5.9 Storage Unit Tests
 - (ii) Body: 22 gauge (min.) steel welded construction with 22 gauge (min) vertical steel upright side braces and horizontal back braces to minimize racking and misalignment; fully finished back and sides
 - (iii) Top: 1" thick 20 gauge steel top with 20 gauge steeling reinforcing channel.
 - (iv) Drawers: 2 flush front, steel lateral file drawers; locking
 - (v) Shelves: 2 adjustable, 18 gauge steel shelves; adjustable in 3/4" increments.
 - (vi) Base: 3" H integral base.
 - (vii) Hardware:
 - (i) Counterweight package.
 - (ii) All drawers are to be locking.
 - (iii) Pulls to be selected from manufacturer's full range.
 - (iv) Lateral file drawer: provide file dividers (x3) and one hanging folder bar per drawer
 - (v) 1.5" high levelling glides.
 - (d) Finish: Powder coat paint finish to be selected from manufacturer's full range of Grade 1 and 2 paint finishes.
 - (e) Warranty: Lifetime warranty.
 - (f) Environmental Data: Cradle to Cradle certified; SCS Indoor Gold Advantage Certified.
 - (g) Design Intent Image:



E2.33 Item No. 32: **MP – Mobile Storage Pedestal**; pencil box/box/file combination

- (a) Standard of Acceptance: Steelcase TS Series PBF Mobile Pedestals: or equivalent in accordance with B6.
- (b) Dimensions: 22" D x 15" W x 24" H
- (c) Construction:
 - (i) Meets or exceeds ANSI/BIFMA Z5.9 Storage Unit Tests
 - (ii) Pencil drawer, box drawer, file drawer combination
 - (iii) Body: 22 gauge (min.) welded steel construction; fully finished top, back and sides.
 - (iv) Drawers: steel construction with ball bearing suspension and full depth opening/access.
 - (v) Hardware:
 - (i) Counterweight package.
 - (ii) All drawers are to be locking.
 - (iii) Pulls to be selected from manufacturer's full range.
 - (iv) Provide additional pull at top of unit to move pedestal around.
 - (v) 1-1/2" dia. front locking, hard casters; full-rotation swivel mechanism.
 - (vi) Pencil tray and file drawer dividers.
- (d) Finish: Powder coat paint finish. Colour to be selected from manufacturer's full selection of Grade 1 and 2 paint finishes.
- (e) Warranty: Lifetime warranty
- (f) Design Intent Image:



SECTION L: OUTDOOR SEATING AND TABLES

E2.34 Item No. 33: **OS1 – Outdoor Lounge Seating**

- (a) Standard of Acceptance: Loll Designs, no.9 Lounge chair or equivalent in accordance with B6.
- (b) Dimensions: 29 1/4" D x 23" W x 28 1/4" H
- (c) Construction: 100% recycled HDPE with aluminum inserts mated with a 304 grade stainless steel bolt in all joinery. Richlite paper composite is used for structural elements in some pieces.
- (d) Weight: 30 pounds
- (e) Finish: Highly weatherable HDPE sheet. Resin includes a superior UV additive designed for plastics to improve exterior durability.
- (f) Environmental Data: 100% recycled product. Cradle to Cradle Certified Silver and Bronze. Green Dot award.
- (g) Warranty: 5 year warranty
- (h) NOTE: Vendor to supply and install the chairs; including providing all hardware required to permanently anchor product to deck. Anchor bolts to be varied in head style to discourage theft. Final placement to be confirmed with Owner and Design Consultant prior to fastening.
- (i) Design Intent Image:



E2.35 Item No. 34: **OT1 – Outdoor Side Table**

- (a) Standard of Acceptance: Loll designs, Satellite, round table or equivalent in accordance with B6.
- (b) Dimensions: 18" diameter x 16" H
- (c) Construction: 100% recycled HDPE with aluminum inserts mated with a 304 grade stainless steel bolt in all joinery. Richlite paper composite is used for structural elements in some pieces.
- (d) Weight: 30 pounds
- (e) Finish: Highly weatherable HDPE sheet. Resin includes a superior UV additive designed for plastics to improve exterior durability.
- (f) Environmental Data: 100% recycled product. Cradle to Cradle Certified Silver and Bronze.
- (g) Other: Weighs 11 pounds
- (h) Warranty: 5 year warranty
- (i) NOTE: Vendor to supply and install the tables; including providing all hardware required to permanently anchor product to deck. Anchor bolts to be varied in head style to discourage theft. Final placement to be confirmed with Owner and Design Consultant prior to fastening.
- (j) Design Intent Image:



E2.36 Item No. 35: **OT2 – Outdoor Picnic Table and Bench Combination**

- (a) Standard of Acceptance: Loll Alfresco Table 82 and Bench 68 or equivalent in accordance with B6.
- (b) Dimensions (approx.)
 - (i) Table: 36" D x 82" W x 30" H
 - (ii) Bench: 14.75" D x 68" W x 17.75" H
- (c) Construction: 100% recycled HDPE with aluminum inserts mated with a 304 grade stainless steel bolt in all joinery. Richlite paper composite is used for structural elements in some pieces.
- (d) Weight:
 - (i) Table: 133 pounds
 - (ii) Bench: 69 pounds
- (e) Finish: Highly weatherable HDPE sheet. Resin includes a superior UV additive designed for plastics to improve exterior durability.
- (f) Environmental Data: 100% recycled product. Cradle to Cradle Certified Silver and Bronze. Green Dot award.
- (g) Warranty: 5 year warranty
- (h) NOTE: Vendor to supply and install the table and chairs; including providing all hardware required to permanently anchor product to deck. Anchor bolts to be varied in head style to discourage theft. Final placement to be confirmed with Owner and Design Consultant prior to fastening.
- (i) Design Intent Image:



SECTION M: CHILDREN'S BOOK STORAGE

E2.37 Item No. 36: **BB – Children's Book Bins**

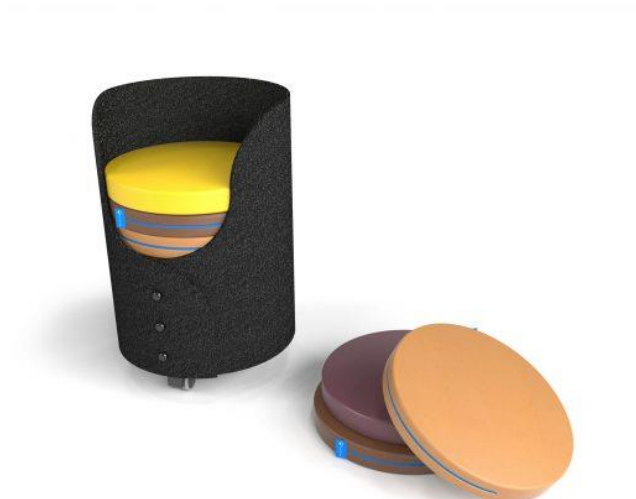
- (a) Standard of Acceptance: Whitney Brothers, Mobile Book Storage Island, Model: WB0383 or equivalent in accordance with B6.
- (b) Dimensions: 19.5" D x 40.75" W x 33.5" H
- (c) Construction: Double-sided plywood cabinet with slotted, front book display above and three open compartments below.
- (d) Hardware: Heavy duty, non-marking, locking casters.
- (e) Weight: 77 lbs (unloaded)
- (f) Finish: Birch veneer plywood; natural, UV finish.
- (g) Warranty: Lifetime warranty.
- (h) Environmental Data: Greenguard Gold Certified.
- (i) Design Intent Image:



SECTION N: CHILDREN'S CUSHIONS

E2.38 Item No. 37: RC – Reading Cushions with Mobile Caddy

- (a) Standard of Acceptance: Norva Nivel, WorkPad and Caddy; Model No. CPODCOL or equivalent in accordance with B6.
- (b) Dimensions:
 - (i) Caddy: 19" D x 19" W x 26" H
 - (ii) Pads: 16" Diameter x 2" H (10 individual pads provided per caddy)
- (c) Construction:
 - (i) General:
 - (i) Fire Ratings: ASTM E-84; Class A FS:5 – SD: 25
 - (ii) Acoustic Caddy: Composed of high performance acoustic wallcovering; 100% polyester fiber without chemical binders and certified low VOC; non-toxic, non-irritant and non-allergenic
 - (iii) Workpad Foam: (All physical properties testing conducted following ASTM D3574)
 - (i) Density: 1.70-1.80 lb/cuft
 - (ii) Indention Force Deflection: 72-82 lbs (25% deflection)
 - (iii) Tear Strength: 12 PSI (min.)
 - (iv) Resiliency: 50%
 - (v) Microbial Resistance: Pass (ASTM G 21)
 - (vi) Flame Resistance: Pass (Cal TB117-2013)
 - (iv) Upholstery: High commercial grade vinyl or polyurethane.
 - (v) Hardware: Commercial grade casters.
- (d) Finish:
 - (i) Caddy: Charcoal acoustic material as per above.
 - (ii) Pads: Vinyl or polyurethane upholstery. Mix of 5 colours to be selected from manufacturer's entire selection.
- (e) Warranty: 5 year structural warranty.
- (f) Environmental Data:
 - (i) Acoustic Caddy: 60% post-consumer recycled material; no Red List chemicals
- (g) Design Intent Image:



SECTION O: OCCASIONAL TABLE

E2.39 Item No. 38: **TB5 – Occasional Table**

- (a) Standard of Acceptance: West Elm, Stump Side Table Model: WEM5 or equivalent in accordance with B6.
- (b) Dimensions: 12.5" Dia, 19" H
- (c) Construction: Solid Cypress wood.
- (d) Finish: Cypress wood with clear lacquer finish.
- (e) Warranty: 5 year warranty.
- (f) Environmental Data: 100% recycled material, made from naturally fallen cyprus trees; 100% recyclable.
- (g) Design Intent Image:



SECTION P: LAPTOP TABLE

E2.40 Item No. 39: **TB6 - Laptop Table**

- (a) Standard of Acceptance: Turnstone; Campfire Laptop Table; Model: TS4TWP or equivalent in accordance with B6.
- (b) Dimensions: 19.5" D x 14" W x 26" H
- (c) Construction: Bent plywood; one continuous piece.
- (d) Finish: Rift-cut natural oak veneer; clear finish.
- (e) Warranty: Lifetime warranty; 12 year warranty for wood veneer finish.
- (f) Design Intent Image:



SECTION Q: METAL UTILITY STORAGE SHELVING

E2.41 Item No. 40: **MS1 - Metal Utility Storage Shelving**

- (a) Standard of Acceptance: Tennsco, Z-Line Shelving, Medium Profile Shelving Unit or equivalent in accordance with B6.
- (b) Dimensions: (+/-) 84"H x 36"W x 18"D
- (c) Construction:
 - (i) Supports: Medium profile, V-beam formed of 14 gauge steel with intermediate span bracing. 14 gauge angle post with positive double rivet connections.
 - (ii) All exposed edges, corners and surface areas to be free for sharp edges.
 - (iii) Decking: 5/8" medium density, industrial-grade particleboard decking, installed without use of nuts or bolts.
 - (iv) Five adjustable height shelves plus bottom shelf.
- (d) Finish: Epoxy powder coat finish for all metal components. Colour to be selected from manufacturer's full range.
- (e) Hardware: Shelves adjust in 1-1/2" increments with flattened locator keyhole in every 4th position. Installer to secure units to wall. Verify final locations with owner.
- (f) Warranty: 10 year warranty

SECTION R: TASK SEATING

E2.42 Item No. 41: **TC1 - Task Chair**; ergonomic office task chair.

- (a) Standard of Acceptance: Teknion Projek - Synchro Tilt Task Chair; Model No: NPRTNP or equivalent in accordance with B6.
- (b) Dimensions:
 - (i) Overall Dimensions: 29 1/4" D x 29 1/4" W x 38 5/8" – 42 5/8" H
 - (ii) Seat Dimensions: 16 1/4" – 19 1/4" D x 20 1/4" W x 16" – 21 1/2" H
- (c) Construction:
 - (i) Seat: Constructed of reinforced polypropylene.
 - (ii) Seat foam : molded, colored, polyurethane foam for seat
 - (iii) Back:
 - (i) Structural back outer frame: Constructed of glass reinforced nylon.
 - (ii) Inner frame: Constructed of glass reinforced polypropylene.
 - (iii) Lumbar system: Constructed of polypropylene.
 - (iv) Mesh: Composition 76% Polyester, 24% polyamide.
 - (v) Arm: 4D Height & Width-Adjustable T-Arms with 210 degree pivot. Fiber glass reinforced nylon armrest c/w self-skinned urethane arm pads
 - (vi) Mechanisms:
 - (i) Weight-Activated Synchro-Tilt and Swivel Stool: constructed of aluminum, steel, and plastic, epoxy powder coat paint finish.
 - (ii) Seat depth adjustment of 3" and lumbar height adjustment of 4"
 - (iii) Back tilt can be locked in the upright position or left to free flow to 3 defined angle ranges
 - (iv) Pneumatic cylinder : gas-assisted pneumatic cylinder provides height adjustment of 4"
 - (vii) Castors: 60mm (2 1/3") soft castors with polyurethane coated nylon. To be designed for hard floors.
 - (viii) Weight: 35 lbs.
 - (ix) Designed and tested for users weighing up to 300 lbs.
- (d) Finish:
 - (i) Seat: Select from full range of manufacturer's Grade 2 upholstery selection.
 - (i) Upholstery 100% Polyurethane with polyester back.
 - (ii) Durability: 250,000 double rubs min.
 - (iii) BPA Free, Formaldehyde Free, Heavy Metal Free, Low VOC, Phthalate Free, PVC Free, Solvent/DMF Free
 - (iv) Flame Resistance: CAL TB 117 2013
 - (v) Cleaning: Water based cleaning agents. Bleach cleanable.
 - (ii) Back: Mesh: Composition 76% Polyester, 24% polyamide. Colour: Black
 - (iii) Plastic components: Colour to be selected from manufacturer's full range.
 - (iv) Base: Polished Aluminum
- (e) Warranty: Limited Lifetime based on a single shift of 40 hrs per week. Seating Mechanisms and Pneumatic Cylinders 10 years, upholstery, casters 5 years

(f) Design Intent Image:



E2.43 Item No. 42: **TC2 - Task Stool; ergonomic swivel stool**

- (a) Standard of Acceptance: Teknion Projek- Swivel Stool. Model No: NPRDNP equivalent in accordance with B6.
- (b) Dimensions:
 - (i) Overall Dimensions: 29 1/4" D x 29 1/4" W x 44 5/8" – 52 5/8" H
 - (ii) Seat Dimensions: 16 1/4" – 19 1/4" D x 20 1/4" W x 22 1/2" – 30 1/2" H
- (c) Construction:
 - (i) Seat: Constructed of reinforced polypropylene.
 - (ii) Seat foam : molded, colored, polyurethane foam for seat
 - (iii) Back:
 - (i) Structural back outer frame: Constructed of glass reinforced nylon.
 - (ii) Inner frame: Constructed of glass reinforced polypropylene.
 - (iii) Lumbar system: Constructed of polypropylene.
 - (iv) Mesh: Composition 76% Polyester, 24% polyamide.
 - (v) Arm: 4D Height & Width-Adjustable T-Arms with 210 degree pivot. Fiber glass reinforced nylon armrest c/w self-skinned urethane arm pads
 - (vi) Mechanisms:
 - (i) Weight-Activated Synchro-Tilt and Swivel Stool: constructed of aluminum, steel, and plastic, epoxy powder coat paint finish.
 - (ii) Seat depth adjustment of 3" and lumbar height adjustment of 4"
 - (iii) Back tilt can be locked in the upright position or left to free flow to 3 defined angle ranges
 - (iv) Pneumatic cylinder : gas-assisted pneumatic cylinder provides height adjustment of 4"
 - (vii) Castors: 60mm (2 1/3") soft castors with polyurethane coated nylon. To be designed for hard floors.
 - (viii) Weight: 41.8 lbs.
 - (ix) Designed and tested for users weighing up to 300 lbs.
- (d) Finish:
 - (i) Seat: Select from full range of manufacturer's Grade 2 upholstery selection.
 - (i) Upholstery 100% Polyurethane with polyester back.
 - (ii) Durability: 250,000 double rubs min.
 - (iii) BPA Free, Formaldehyde Free, Heavy Metal Free, Low VOC, Phthalate Free, PVC Free, Solvent/DMF Free
 - (iv) Flame Resistance: CAL TB 117 2013
 - (v) Cleaning: Water based cleaning agents. Bleach cleanable.
 - (ii) Back: Mesh: Composition 76% Polyester, 24% polyamide. Colour: Black
 - (iii) Plastic components: Colour to be selected from manufacturer's full range.
 - (iv) Base: Polished Aluminum
- (e) Warranty: Limited Lifetime based on a single shift of 40 hrs per week. Seating Mechanisms and Pneumatic Cylinders 10 years, upholstery, casters 5 years

(f) Design Intent Image:



SECTION S: PLAYHOUSES

E2.44 Item No. 43: **PH - Playhouses**

- (a) Standard of Acceptance: TMC Reading Nook Peak or equivalent in accordance with B6.
- (b) Dimensions:
 - (i) Overall Dimensions: 30" D x 48" W x 64" H
 - (ii) Nook Opening: 40" W x 35" H
- (c) Construction:
 - (i) Shell: $\frac{3}{4}$ " baltic birch and plywood with maple veneer
 - (ii) Pad: 2" removeable, upholstered pad
 - (iii) Hardware: Hidden locking casters.
- (d) Finish:
 - (i) Shell: Choice of two colours of lacquer finish for the exterior shell with UV protectant; clear lacquer coat interior nook; colours to be selected from manufacturer's full range.
 - (ii) Upholstered Pad: Momentum, Canter Vinyl.
- (e) Warranty: 5 year warranty.
- (f) Design Intent Image:



SECTION T: LIBRARY BOOKSHELVING

E2.45 The specifications herein describe the supply and installation of cantilever bracket type metal bookstack shelving as defined by the American Library Association and published in their Library Technology Reports.

Unless otherwise noted, Bidder is responsible for the furnishing of all materials, labour and apparatus necessary for the complete installation of all shelving, associated components and/or accessories in accordance with the requirements specified herein.

Bidder to list product submitted in Form B: Prices and include full supporting technical specifications along with bid submission to confirm compliance with specifications.

- .1 LS1/LS2 Library Shelving, Adjustable Cantilever Type Metal Library Book Stack
- .2 System Description:
 - a) Welded frame system with components consisting of:
 - i. Welded frame
 - ii. Adjustable shelves and brackets of varying depth
 - iii. Base shelves
 - iv. Base shelf and brackets
 - v. Canopy tops
 - b) System shall be fully and easily adjustable, such that components are interchangeable and can be expanded or reconfigured as needed to suit collection growth and specialty shelving needs. End panels to be field removable and replaceable.
 - c) All uprights and shelving units to be height adjustable in 25mm (1") increments and allow for conversion for the conversion of single to double faced units in the field.
 - d) Floor and wall anchors and fully adjustable levelling system to be provided for each section.
 - e) Standard Unit Sizes:
 - i. Overall width of individual shelving units to be 915 mm (36")
 - ii. Overall heights to be 1676 mm (66") and 1066 mm (42") as noted.
 - iii. Single-faced unit overall depths to be 330/355 mm (13/14") overall and double faced unit overall depths to be 610/660 mm (24").
 - iv. Clear typical shelving depth to be 254 mm (10") unless noted otherwise. Base shelving to be 280/305mm (11/12") clear depth unless noted otherwise.
- .3 Components:
 - a) Welded Frame Upright:
 - i. The welded frame shall consist of 2 vertical upright columns constructed of a minimum 14 gauge steel. Upright column shall be 50 mm (2") deep with a 32mm (1-1/4") face with 13mm (1/2") return flanges. The uprights

shall have shelf attachment slots on 25mm (1") increments the entire length of the upright. Slots shall be 16mm (5/8") x 6mm (1/4"). Uprights shall include location indicators the entire length of upright on a minimum of 152mm (6") centers.

- ii. Non-welded frame cantilever type shelving units are not acceptable.

b) Top and Bottom Spreaders:

- i. The tubular top spreader shall be a minimum of 14 gauge steel tube 64mm (2.5") tall x 25mm (1") wide.
- ii. The bottom spreader channel shall be a 16 gauge channel with built-in or pre-drilled capacity for floor levellers.

c) Base Supports:

- i. Base support shall be provided for lateral unit stability. The support shall be min. 14 gauge steel 228mm (9") high with a 25mm (1") return on the bottom. Support shall be bolted to frame upright and designed and constructed with sheer tabs with interlock/mate with the upright to provide additional stability and assist in alignment of base support to frame. Base support design must allow the frame to transfer loads to floor or levellers. Base support brackets that put the bolted connection in shear are unacceptable.

d) Shelf End Brackets:

- i. Minimum 16 gauge steel of a depth not less than that of the shelf on which they are used and shall extend not less than 152mm (6") above the top surface of the shelf. The top and front edges shall be flanged outwardly to a half round profile to prevent accidental knifing of material. Shelf brackets shall have a minimum of two hooks at the top for engaging into the column (post) and one safety lug to prevent accidental dislodgment at the bottom. Outward embossment in the upper front corner of the shelf brackets shall act as shelf spacers and prevent overlapping of shelf end brackets. For aesthetic reasons as well as to prevent sharp corners, the upper front corner of the shelf brackets shall have a radius of not less than 25mm (1"). The base of the end brackets will have two lanced tabs that interlock with the shelf and provide firm support for the shelf. Lance tabs and shelf shall be provided with 6 mm (1/4") holes for optional bolting of components. The front edge of the end bracket shall have a 15 degree slope.

e) Base Shelves:

- i. Shelves shall be formed from minimum 18 gauge cold rolled steel with a triple 90 degree bend on the rear of shelf and a double bend with a 76 mm (3") surface at the front. Shelf ends to be turned down 90 degrees to engage and interlock into the shelf end brackets.

f) Adjustable Shelves:

- i. Shelves shall be formed from minimum 18 gauge cold rolled steel with a triple 90 degree bend on both front and rear edges with a shelf thickness to be 19 mm (7.5"). Shelf ends to be turned down 90 degrees to engage and interlock into the shelf end brackets. Shelves shall be no less than 6 mm (1/4") from actual dimension specified.
- ii. Shelves shall support book loads of minimum 50 pounds per square foot.

- iii. Shelves shall include integral backstops of a minimum 50mm (2") high or shall include separate attachable back stops.
- g) Backstops:
- i. Backstops shall be adjustable where specified and available in a minimum height of 50mm (2") where fixed.
 - ii. Backstops shall fit in to upright slots and be available in double sided configuration.
- h) Corner Fillers: Steel full height corner unit with closed top.
- i) Wall Anchor Brackets:
- i. Provide metal brackets for attaching single faced units to building walls that are securely fastened to welded frame top spreader and to structural wall element using prescribed hardware.
 - ii. All brackets shall be the same paint colour and material as the shelving frame.
- j) Accessories:
- i. End Panels:
 - Solid End Panels to be constructed of 25mm (1") thick plywood with custom high pressure plastic laminate finish with flat profile matching 3mm PVC edge. Gables to encompass full height of library shelving supports, aligning with top canopy and be mechanically fastened to metal end supports.
 - Display End Panels to be constructed of 25mm (1") thick plywood with custom high pressure plastic laminate finish with flat profile matching 3mm PVC edge. Gables to encompass full height of library shelving supports, aligning with top canopy and be mechanically fastened to metal end supports. Provide (1) heavy duty slat wall aluminum insert at 800mm above finished floor and (1) heavy duty slate wall aluminum insert at 1220 above finished floor.
 - ii. Canopy Tops: Flat, steel canopy tops to extend the full width and depth of the unit base, bracketed to uprights.
 - iii. Integral Back Base Shelves: 280mm (11/12") deep, flat, fixed base shelf to include 76mm (3") base front with 2" min. backstop, end brackets and one wire divider per 915mm (36") opening.
 - iv. Closed Base Shelves with Dividers: 280mm (11/12") deep, flat, fixed base shelf with 4-5"H backstop slotted on 25mm (1") centers to accommodate dividers. Include back and brackets. Four dividers 6-9" high to be provided per 915mm (36") shelf.
 - v. Periodical Base Shelves: 305mm (12") deep, 355 mm (14")H sloped, fixed height, display surface hinged for access of storage behind.
 - vi. Adjustable Integral Back Shelves: 250mm (10") deep, flat, adjustable shelves to include 50mm (2") min. backstop, end brackets and one wire divider per 915mm (36") opening.
 - vii. Divider Shelves with Adjustable Backstop: 250mm (10") deep, flat, adjustable shelving to include 4-5"H adjustable backstop slotted on

25mm (1") centers to accommodate dividers. Include back and brackets.
Four dividers 6-9" high to be provided per 915mm (36") shelf.

- viii. Fixed Sloped Display Shelves: Sloped for face-out display of books of varying depths (up to 2") and heights 12-14"; end brackets to be included.
- ix. Periodical Base Shelves and Periodical Display Shelves:
 - o Sloping display shelves hinged to an adjustable shelf and base shelf brackets.
 - o Base shelves to be non-adjustable.
 - o Shelving to accommodate a 14" high periodical, and be hinged to provide a **clear, unobstructed storage height behind of 10" MINIMUM within.** Mechanism to be included to allow shelf to stand in open position without assistance.
 - o Lower edge of display shelf shall have a flange and turned up lip to provide a 1" clearance behind lip.
 - o Provide triple 90 degree bend on both front and rear edge to avoid sharp edges.
 - o Include rubber bumpers for sound deadening.
 - o Flat storage shelves shall have a minimum 12" depth.
- x. Book Supports/Dividers (as noted): Each 915mm (36") flat shelf to include one sliding wire book support/divider that attaches to and slides along back edge of integral shelves. Divider shelves to include 4 hook on book supports/dividers of 6-9" in height. Additional wire supports/dividers for future use are listed in Equipment Itemization Table.

.4 Finishes:

- a) All components to be formed and finished in a manner that has no exposed sharp edges to reduce risk of injury.
- b) All metal components to be painted with an electrostatically applied powder coat paint that meets or exceeds specifications set forth by the American Library Association for Cantilever Bracket Type Metal Library Bookstacks published in their Library Technology Reports.
- c) Paint colours to be selected from manufacturer's full range of paint finishes. Finishes to be guaranteed available for a period of 18 months after installation complete to facilitate ordering of additional shelving/components etc. if required.
- d) End panels to receive custom selected high pressure plastic laminate finish with matching 3mm flat profile PVC edging. Finish selection to be provided by Design Consultant upon award of contract.

.5 Shop Drawings:

- a) Show fabrication, assembly, and installation details including descriptions of procedures and diagrams. Show complete extent of library bookstack installation layout including quantities, locations and types of accessory units required. Include notations and descriptions of all installation items and components.
- b) Show installation details at non-standard conditions, if any.

- c) Provide layout, dimensions, and identification of each unit corresponding to sequence of installation and erection procedures.
- d) Provide installation schedule and complete erection procedures to ensure proper installation.
- e) Submit minimum 75 mm square samples of each color and texture on actual substrate for each component to remain exposed after installation.

.6 Installation:

- a) Install library book stacks in accordance with reviewed shop drawings and manufacturer's printed instructions.
- b) Installation to be performed by a skilled tradesman employed by specialty company recognized and trained as approved installer by manufacturer with min. 3 years successful experience on projects of similar size, requirements and complexity.
- c) Follow manufacturer's written instructions for installation of each type of accessory item specified. Verify accessory unit alignment and plumb after installation. Correct if required following manufacturer's instructions.
- d) Securely fasten single faced units to walls using prescribed hardware as per manufacturer's written instructions.
- e) Remove components that are chipped, scratched, or otherwise damaged and which do not match adjoining work. Replace with new matching units, installed as specified and in manner to eliminate evidence of replacement.
- f) Adjust all accessories to provide smoothly operating, visually acceptable installation.
- g) Comply with manufacturer's printed instructions for cleaning and touch-up of minor finish damage. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

.7 Warranty:

- a) Manufacturer's Product Warranty: provide an extended warranty for Work of this Section consisting of a Limited Lifetime Warranty from date of Substantial Performance of the Work. Manufacturer hereby warrants library stack systems against defects in materials and workmanship, and these or other observed defects and deficiencies will be repaired or replaced to the satisfaction of the Consultant and Owner, and at no expense to Owner.

.8 Equipment Itemization:

| Area | Code | Height | Description | Units | Type of Shelving* |
|---|------|--------|---|------------|--|
| LIBRARY SHELVING (LS1) Double faced (DF) cantilever weld frame; 42"H x 36"W shelving units *Refer to drawings to confirm number of ganged shelving units per item type and quantities of shelving required. | | | | | |
| CHILDREN'S AREA 1:17 | LS1 | 42" | Double faced (DF), 42"H x 36"W freestanding units c/w metal canopy tops and plastic laminate faced end panels | 28 DF bays | Each face of unit to consist of the following: - 1 fixed integral back base shelf - 2 adjustable integral back shelves |
| LIBRARY SHELVING (LS2) Single faced (SF) cantilever weld frame; 66"H x 36"W shelving units *Refer to drawings to confirm number of ganged shelving units per item type and quantities of shelving required. Refer to specifications for shelving depths. | | | | | |
| STAFF WORK AREA 1:05 | LS2A | 66" | Single faced (SF), 66"H x 36"W wall braced units c/w metal canopy tops and plastic laminate faced end panels | 1 SF bay | Each single unit face to consist of the following: - 1 fixed integral back base shelf - 5 adjustable integral back shelves |
| LIBRARY SERVICES WORKROOM 1:04 | LS2B | 66" | Single faced (SF), 66"H x 36"W wall braced units c/w metal canopy tops and plastic laminate faced end panels | 2 SF bays | Each single unit face to consist of the following: - 1 fixed integral back base shelf - 5 adjustable integral back shelves |
| LIBRARY SHELVING (LS2) Double faced (DF) cantilever weld frame; 66"H x 36"W shelving units *Refer to drawings to confirm number of ganged shelving units per item type and quantities of shelving required. | | | | | |
| OPEN LIBRARY 1:18 | LS2C | 66" | Double faced (DF), 66"H x 36"W freestanding units c/w metal canopy tops and plastic laminate faced end panels | 73 DF bays | Each face of unit to consist of the following unless noted otherwise: - 1 fixed integral base shelf - 4 adjustable integral back shelves |

| | | | | | |
|--|------|-----|---|------------|---|
| OPEN LIBRARY 1:18 | LS2D | 66" | Double faced (DF), 66"H x 36"W freestanding units c/w metal canopy tops and plastic laminate faced end panels | 15 DF bays | <p>One face of unit to consist of the following unless noted otherwise:</p> <ul style="list-style-type: none"> - 1 fixed integral base shelf - 5 adjustable slotted shelves (designated with 'SL' on dwg FA.1) <p>One face to unit consist of the following unless noted otherwise:</p> <ul style="list-style-type: none"> - 1 fixed integral base shelf - 4 adjustable integral back shelves |
| LIVING ROOM 1:19 | LS2E | 54" | Double faced (DF), 66"H x 36"W freestanding units c/w metal canopy tops and plastic laminate faced end panels | 6 DF bays | <p>Each face of unit to consist of the following:</p> <ul style="list-style-type: none"> - 1 hinged periodical display base shelf c/w flat storage shelf behind - 3 hinged periodical display shelves c/w flat storage shelf behind - 1 fixed integral base shelf - 3 adjustable integral back shelves <p>Note: face to contain periodical shelving units designated with 'P' on dwg FA.1.</p> |
| <p>LIBRARY SHELVING ACCESSORIES</p> <p>Note:</p> <p>1. Quantities listed are for future modification purposes and are in addition to the shelving quantities and number of supports to be included per shelf as per base specifications.</p> <p>2. The City will confirm locations for <u>display shelves</u> noted below to be included in initial installation during shop drawing phase. Surplus adjustable shelves that result are to be stored for future use.</p> | | | | | |
| MPR STORAGE 1:21 | - | - | Display Shelf | 24 | Display Shelf |
| MPR STORAGE 1:21 | - | - | Wire Book Supports (in addition to those included with typical shelving as per specifications) | 25 | |

| LIBRARY SHELVING END PANELS | | | | | |
|---|------|----------|--|----|-------------------------|
| CHILDREN'S AREA 1:17 | EP1 | 43"(+/-) | Plywood c/w High Pressure Plastic Laminate Face End Panel; 24"W x 43"H(+/-) Align height of end panel with top of metal canopy. | 16 | Solid |
| OPEN LIBRARY 1:18 | EP2A | 67"(+/-) | Plywood c/w High Pressure Plastic Laminate Face End Panel; 24"W x 67"H(+/-) Align height of end panel with top of metal canopy. | 16 | Solid |
| OPEN LIBRARY 1:18 | EP2B | 67"(+/-) | Plywood c/w High Pressure Plastic Laminate Face End Panel; 24"W x 67"H(+/-) Align height of end panel with top of metal canopy. | 16 | Solid c/w Display Slots |
| LIVING ROOM 1:19 | EP3 | 55"(+/-) | Plywood c/w High Pressure Plastic Laminate Face End Panel; 24"W x 55"H(+/-) Align height of end panel with top of metal canopy. | 2 | Solid |
| STAFF WORK AREA 1:05 LIBRARY SERVICES WORKROOM 1:04 | EP4 | 67"(+/-) | Plywood c/w High Pressure Plastic Laminate Face End Panel; 13/14"W x 67"H(+/-) Align height of end panel with top of metal canopy. | 4 | Solid |