

Date: July 20, 2015
Project: Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING BID PACKAGE

Issued: Monday, July 20, 2015

Contract Documents for Steel Library Shelving & Accessories

Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107

**COLE
DESIGN**

ncole@coleinteriordesign.com

TABLE OF CONTENTS

INVITATION FOR BIDS	1
BIDDER INSTRUCTIONS AND INFORMATION	2
General Conditions	
Acknowledgment of Receipt	
CANTILEVER STEEL LIBRARY BOOKSTACK SPECIFICATIONS	3
Bid Category A Library Book Stack Shelving	
Bid Category B Accessories	
Bid Category C Custom Millwork for Canopies and End Panels	
CANTILEVER STEEL LIBRARY BOOK STACK PLANS	4
A6.16 Lower Level Shelving Plan	
A6.17 Upper Level Shelving Plan	
MILLWORK SKETCHES	5
SK.1 THROUGH SK. 7	
BID FORMS	6
Bid Pricing Summary	
Bid Quantity and Pricing Format (excel document)	

Date: July 20, 2015
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Cape Elizabeth, ME 04107

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INVITATION FOR BIDS

This Bid is solicited to the General Public and a Contract will be awarded pursuant to the rules set forth in the Cape Elizabeth Purchasing Procedure.

Sealed Bids for furnishing and delivering Cantilever Steel Library Bookstack Shelving and Accessories to Thomas Memorial Library, 6 Scott Dyer Road, Cape Elizabeth ME 04107 will be received by the Cape Elizabeth Town Manager, at Cape Elizabeth Town Hall, Office of the Town Manager, 320 Ocean House Road, Cape Elizabeth, ME 04107 until 10:00 am local time on Monday, August 3, 2015 at which time all bids will be publicly opened and read aloud. No bid may be withdrawn after the time set for bid opening except by written notice received by the Awarding Authority prior to the time and date set for bid opening as set forth in the advertisement.

Bids shall be addressed as follows:

TO: Cantilever Steel Library Book Stack Shelving Bid Package – Monday, August 3, 2015
For the Thomas Memorial Library
Cape Elizabeth Town Hall
Office of the Town Manager
320 Ocean House Road
Cape Elizabeth, ME 04107

Refer to the General Conditions for submittal instructions

Digital copies of Specifications and Bid Documents may be obtained on the Town of Cape Elizabeth website, www.capeelizabeth.com/librarybids on or after July 20, 2015 for the following categories of Steel Library Shelving Specifications:

Bid Category A Library Book Stacks
Bid Category B Accessories
Bid Category C Custom Canopies and End Panels

Before submitting any bids, bidders shall fully inform themselves in regard to all conditions pertaining to the invitation for bids and all required terms and conditions for carrying out the contract. By filing a bid the bidders do thereby represent that they have so informed themselves. Any estimates, plans or other information relating to the goods, services, labor or materials or work required by the contract documents are to be considered for the purpose of comparing the bids. Neither the Thomas Memorial Library, its officers, agents or employees shall be responsible for the accuracy of, or bound by, such estimates, plans, or information.

Delivery and Completion – The book stacks, accessories and custom millwork specified herein shall be delivered FOB Destination, with the Successful Bidder, at its own expense, being fully insured for Risk of LOSS for all furniture, furnishings and equipment until acceptance of same by the Thomas Memorial Library. Delivery and installation to begin on Monday, December 7, 2015, with all work completed by Monday, December 30, 2015. All delivery and installation schedules are subject to change depending on the General Contractor's work completion. See Bid Categories A, B & C for detailed specifications.

Date: July 20, 2015
Project: Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107

Taxes – The Thomas Memorial Library is exempt from Federal Excise Taxes and from the Maine Sales Tax. Exemption certificates will be provided if requested following award to the Successful Bidder.

The Owner reserves the right to vary quantities, and to accept or reject any/or all Bids, or any part of any Bid, if deemed in the best interest of the Town of Cape Elizabeth.

The Thomas Memorial Library shall post all Addenda on the Town of Cape Elizabeth website, www.capeelizabeth.com/librarybids

It will be the sole responsibility of all interested bidders to check the website for any and all addenda prior to submitting their bid(s).

Date: July 20, 2015
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SECTION 100 – GENERAL CONDITIONS

The following General Conditions (Articles 1-23) shall apply and govern all furnishing suppliers and contractors and their sub-contractors in matters of furnishing and delivering furnishings for this project:

ARTICLE 1 BID DOCUMENTS

The contract of the parties includes the Invitation for Bids, General Conditions, Furnishings Specifications, Furnishings Bid Forms and Purchase Contract. These documents are to be considered as one, and whatever is called for by one shall be as binding as if called for by all. Any discrepancies or questions as to quantities of any items listed in the specifications shall be immediately brought to the attention of the Owner for correction by addenda during the bidding period. Any such discrepancies determined by the contractor and not corrected by addenda shall be resolved on the basis of furnishing the greater quantity without change in contract price.

ARTICLE 2 INTENT

It is the intent of these contract documents to include all labor, materials, appliances and services of every kind necessary to properly execute the work and to cover the terms and conditions of payment thereof, and to establish minimum acceptable requirements for equipment design and construction, and contract performance to assure fulfillment of the intended purpose.

ARTICLE 3 QUALIFICATIONS OF BIDDERS

No bid will be considered unless the firm submitting the bid can meet the following conditions:

- (a) That it has in operation, or is an established representative of, a factory adequate for and devoted to the manufacturing of equipment which it proposes to furnish and has the necessary specialized dies, molds, and tools to provide the proper service, fittings, hardware and accessories.
- (b) That such manufacturers proposed have been engaged in the manufacturing of similar equipment as that specified for a period of no less than ten (10) years and have a suitable organization to manufacture, furnish, and deliver the equipment, all in accordance with pertaining codes, and the bidder shall have completed contracts of the kind and size contemplated by the specification and proposal within the past five years which have proven satisfactory under similar operating conditions.
- (c) The bidder must have financial and physical resources of sufficient scope to assure prompt and satisfactory performance in the execution of the total conditions of this specification and in the production, furnishing and delivery of all equipment specified so as not to delay the progress of the work.
- (d) Each bidder shall submit with his bid a list of five (5) contracts of similar size and scope to that specified herein which have been completed and accepted. Any bid not including said list of contracts may be considered incomplete and may be rejected without further recourse. The list shall accompany the bid and include the name of project, location, approximate value of job, and Owner's representative who may be contacted.

ARTICLE 4 MATERIALS, TOOLS, EMPLOYEES

All equipment and accessories shall be new, unused, and of recent manufacture, unless otherwise noted. All assembly work shall be properly managed and supervised by employees, who are thoroughly trained and experienced in the work involved.

ARTICLE 5 ROYALTIES AND PATENTS

The Successful Bidder shall pay all royalties and license fees on products furnished. He shall defend all suits and claims for infringement of any patent rights and shall indemnify and save the Owner from loss or inconvenience resulting there from.

ARTICLE 6 PERMITS AND COMPLIANCE WITH CODES

The Successful Bidder shall obtain and pay for all necessary permits and all equipment, appliances and work shall conform to applicable safety and fire codes. All equipment specified herein, and furnished to this project shall be designed and manufactured to meet Occupational Safety and Health Administration standards.

ARTICLE 7 PROTECTION OF WORK AND PROPERTY

The Successful Bidder shall take all required precautions to protect all furnished furniture and equipment against damage, theft, and deterioration on the site. He shall respect the work of others and any accidental damage incurred to the work of others shall be promptly repaired or replaced at the expense of the Successful Bidder. All equipment shall be left in the proper location within the building and assembled as required with all manufacturer's directions and maintenance manuals, either attached or delivered to the Owner's representative in duplicate.

ARTICLE 8 RESPONSIBILITY AND LIABILITY TO RELATED CONTRACTORS

The Successful Bidder shall be fully liable for any and all additional charges to the Owner resulting from changes required to accommodate any item of equipment not furnished in strict accordance to the specifications approved by the Owner.

ARTICLE 9 CHANGES IN EQUIPMENT OR WORK

The Owner may order changes in the equipment or requirements in writing, the contract sum being adjusted accordingly. All charges for additional equipment or revisions must be submitted in advance to the Owner for approval.

ARTICLE 10 CORRECTIONS AND GUARANTEES

All equipment shall be inspected and any items found not in conformance with the intent of contract and the quality specified shall be repaired or replaced promptly without additional charge. All workmanship and products shall be guaranteed against defective parts, materials, and finish under normal usage for a period of one (1) year from date of final acceptance. Any defective materials or faulty workmanship occurring within that time shall be replaced or corrected promptly, without charge, upon notification by the Owner. Product warranties and guarantees of manufacturers exceeding one (1) year shall remain effective for their expressed duration.

ARTICLE 11 LIABILITY INSURANCE

The Successful Bidder shall maintain such insurance as will protect him from claims under Workmen's Compensation Acts and Public Liability Laws while his employees are on the Owner's property. Certificates of such insurance shall be submitted to the Owner. Bodily injury limits shall be \$300,000 each person; and \$500,000 each accident.

ARTICLE 12 SAMPLES

On request, and without cost to the Owner, any bidder shall submit such full size samples of his equipment which in the opinion of the Owner and/or Architect are necessary to judge adequately the character, quality and construction of his product, and failure to comply within the time prescribed shall be deemed sufficient grounds for rejection of the bid.

Samples submitted by a Successful Bidder may be impounded by the Owner for the period of the contract for comparison of materials delivered to the job site to assure they conform in every respect to the approved samples submitted. Materials delivered that fail to conform to the approved samples shall be rejected.

ARTICLE 13 EQUALITY OF MATERIALS

All proprietary names or products used for items listed in the specifications, are shown for purposes of description only and are not intended, nor should they be interpreted, to be an endorsement of any particular proprietary item.

Each bidder shall clearly identify each individual item he proposes to furnish in which a deviation occurs, in any respect, from that which is specified, by submitting with his bid a complete itemized list identifying each and every item wherein a deviation is proposed. The bidder shall, upon request and without cost to the Owner, furnish documents, independent laboratory tests, and similar authenticated proof material to substantiate that the item proposed in his bid is "equal to" or "exceeding" that which is specified. Bids offering deviations shall be submitted in strict conformance to the requirements and procedures described herein, and failure to comply shall be just cause for rejection of the bid or the enforcement of supplying the item or items of equipment exactly as specified, without exception or recourse.

If any items bid are other than "as specified", the vendor MUST provide a product brochure, actual model numbers, technical specifications and color finish cards of the alternate item to the Owner, with their bid package. Failure to do any of the above will constitute a "No Bid" item.

ARTICLE 14 AWARDING OF CONTRACTS

The Owner reserves the exclusive right to accept any, or any part of, or reject any or all bids received, as deemed to be in the best interests of the Owner, and the Owner's decision shall be final. The Owner also reserves the right to vary quantities of items bid.

All billing and contract correspondence is to be addressed to the Owner c/o the Owner's Representative.

ARTICLE 15 PAYMENTS

The Owner may approve the Successful Bidder's invoices for payments of materials delivered and requirements completed of up to eighty-five percent (85%) of the contract price; the balance of fifteen percent (15%) being withheld until final approval and acceptance of contractual obligations.

ARTICLE 16 BID ENVELOPES

Bids shall be plainly marked on the outside of ONE sealed envelope with:

**Cantilever Steel Library Book Stack Shelving and Accessories Bid –
August 3, 2015
for the Thomas Memorial Library**

and delivered to the Town Manager, Cape Elizabeth Town Hall, 320 Ocean House Road, Cape Elizabeth, ME 04107, until 10:00 am local time, on Monday, August 3, 2015.

The name of Bidder, Bid Category and Title shall be noted on the lower left corner of the sealed envelope.

EXAMPLE: ACME FURNITURE COMPANY
B. Accessories
C. Custom Canopies and End Panels

Each Category bid shall be submitted in **DUPLICATE** copies. Number Bid Forms "Copy #1" and "Copy #2" in the upper right corner of the Bid Form and insert company name where indicated. Staple each copy separately along with related information and literature. The Bid Summary page should be on top of both copies.

Bids will be opened and read aloud at Cape Elizabeth Town Hall

ARTICLE 17 COST ALLOWANCE

The furnishing of Bookstacks and Accessories specified herein is subject to the Owner's equipment allowance for the project. Successful bidders shall be required to enter into a contract with the Owner as indicated on the Bid Form.

ARTICLE 18 DELIVERY, INSTALLATION, AND ACCEPTANCE OF GOODS

Delivery location shall be the Thomas Memorial Library, 6 Scott Dyer Road, Cape Elizabeth, Maine 04107. Delivery of all furnishings shall be completed in accordance with the schedule set forth below.

The Owner shall have a reasonable opportunity to inspect the goods prior to delivery by the contractor. Acceptance of goods shall occur when the awarding authority signifies in writing to the contractor that the goods are conforming.

(a) **All labor required to deliver, uncrate, distribute, assemble and install furnishings or equipment purchased under this agreement shall be at the successful bidder's expense.**

(b) The Successful Bidder will be expected to work in harmony with the on-site labor force. Items must be available for delivery and installation beginning on Monday, December 7th, 2015. In the event that any temporary storage is required prior to delivery, the Successful Bidder will be responsible for any associated charges. Delivery and installation is expected to be completed on or before Monday, December 30, 2015.

However, Thomas Memorial Library reserves the sole right, at no additional cost to the Owner, to delay these dates by up to sixty (60) days.

(c) **Deliveries will not be accepted unless previously scheduled with the Owner (person to be named in the purchase order) . A minimum of two (2) weeks notice is required.**

(d) The Successful Bidder is responsible for all assembly and installation, where required.

(e) The Successful Bidder is responsible for providing, placing and removing any protective materials over floors, walls, door frames, etc. and pads in the elevators to the satisfaction of the Owner.

(f) The Successful Bidder is responsible for the removal and disposal of all trash and packaging waste at its own expense. No trash may be deposited into the General Contractor's or Owner's containers.

(g) Before any product is brought into the space, a walk through will be conducted by the installation foreman and the client contact to note any existing building damages or conditions.

(h) All product will be installed per manufacturer's specifications and all panels will be plumb and aligned. An installation manual shall be submitted to Owner on award of contract.

(i) The installation foreman will conduct a walk through with the client contact to develop a "punch list" of incomplete items. A list of items to be repaired and a schedule shall be submitted to (Cole Design) prior to their formal review of the installation. Punch list items include missing, damaged or incorrect products which cannot be installed per the approved plan. The job is complete if all product is installed satisfactorily per the approved plan. The punch list items must be corrected in fifteen (15) working days from the walk through.

ARTICLE 19 VARIATION OF QUANTITIES

The owner reserves the right to vary the quantities of the items specified herein, as may be necessary to meet the budget allowances of the project. In such instances, the "unit price" proposed on the Bid Forms submitted shall be extended to determine the contract price for the quantity purchased. Unit prices shall include installation.

ARTICLE 20 EVALUATION CRITERIA

The following criteria shall be employed in the evaluation of proposals and the concurrent decision to award the Contract to the successful Bidder. These criteria are not necessarily listed in order of importance.

- (a) Overall ability of the supplier for proposed furnishings to meet the needs of the Owner.
- (b) Vendor's overall capacity to perform, reliability and integrity.
- (c) Cost quoted in proposal.
- (d) Ability to meet delivery and installation timetable.
- (e) Meeting or exceeding the functional specifications.
- (f) Warranties and/or guarantees.
- (g) Conformance of proposal to instructions for format and contents of proposal.

ARTICLE 21 QUESTIONS

All questions as to the interpretation of the invitation for bids, purchase description and specifications, evaluation criteria and all other contract documents shall be submitted in writing to Cole Design by email to ncole@coleinteriordesign.com. Cole Design shall issue questions and answers in the form of addenda via the Town website, www.capeelizabeth.com/librarybids. It will be solely the responsibility of all interested bidders to check for any and all addenda prior to submitting their bids(s).

ARTICLE 22 ADDENDA

Any supplemental instructions, amendments or changes in the invitation for bids, or attached documents, shall be in the form of written addenda to this invitation. If issued, such addenda shall be posted on the town website, www.capeelizabeth.com/librarybids.com. Such addenda, if any, will be sent no later than forty-eight hours prior to the time set for the opening of bids.

Addenda should be printed and made part of bid submission. Failure of any bidder to respond to any such addenda shall not relieve such bidder from any obligation under his bid as submitted. At the time of the opening of bids, each bidder shall be conclusively presumed to have received and understood all bid documents, including all addenda, and the failure of any bidder to examine any form, instrument or other document which is part of the invitation for bids shall in no way relieve such bidder from any obligation arising under the laws from the submission of a bid.

Date: July 20, 2015
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6 Scott Dyer Road
Cape Elizabeth, ME 04107

ARTICLE 23 DEFINITION OF TERMS

“Owner”	Town of Cape Elizabeth
“The Owner’s Representative”	Michael K. McGovern, Town Manager 320 Ocean House Road Cape Elizabeth, ME 04107 michael.mcgovern@capeelizabeth.org Tel. 207 619 6716
“The F F + E Consultant“	Cole Design 30 Drake Lane Kittery, ME 03904 ncole@coleinteriordesign.com Tel. 207 653 0083
“The Architect”	Reed & Co. Architecture 46 Cumberland Avenue Portland, ME 04101 dreed@reedarchitecture.com Tel. 207 871 5678
“Project Address”	Thomas Memorial Library 6 Scott Dyer Road Cape Elizabeth, ME 04107

Date: July 20, 2015
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ACKNOWLEDGEMENT OF RECEIPT

Please provide the requested information below as acknowledgement that you have received the Steel Library Shelving bid package. It is required that interested bidders complete this form and return it to the F F + E Consultant via email to ncole@coleinteriordesign.com AND copy the Owner's Representative at michael.mcgovern@capeelizabeth.org

Only those companies or individuals who submit this acknowledgement form will receive notification of addenda or answered questions relating to this bid. Proposals from companies or individuals not acknowledging the addenda may be rejected as not responsive.

Bid Title	Thomas Memorial Library – Steel Library Shelving Bid Package
Release Date	Monday, July 20, 2015
Bids Due	Monday, August 3, 2015
Signature and Date	_____
Name and Title of Person Signing	_____
Name of General Bidder	_____
Business Address	_____ _____ _____
Business Telephone	_____
Business Fax	_____
Business Email	_____

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CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

I. SCOPE OF WORK

A. These specifications, together with the Shelving Plans and List of Shelving will cover a complete installation of cantilever steel library book stack shelving for the Thomas Memorial Library at 6 Scott Dyer Road, Cape Elizabeth, Maine. The book stack Contractor shall be responsible for the furnishing of all materials, labor, and apparatus necessary to the proper installation of all uprights, shelves and other such items of equipment or accessories called for in these documents.

B. Installation is to include transportation and all of the following:

- Delivery of all equipment components to final building destination
- Movement to and from staging area
- Uncrating,, assembling and setting in place
- Securing as required to walls and floors
- Internal bracing of all equipment as specified and location of all accessory items which are a part of this contract
- Verify all as-built dimensions at shelving locations in building before fabrication and adjust the manufactured product to suit these conditions.

C. The cost of all intermediate and filler units, as well as all end panels and canopy tops shall be included in the base shelving bid.

D. Provide library stack system design complying with structural and anchoring requirements of the applicable building and life safety for Cape Elizabeth, ME bookstack load requirement is based upon 50 pounds per square foot of shelf surface.

E. Coordinate with the Library's Owner Representative and/or General Contractor all dates involving arrival of materials at site and a staging area designation and verify installation date with completion schedule. All units shall be installed plumb and aligned properly with adjacent units and in accordance with layout provided. Upon completion of installation, all debris, excess materials, tools etc. resulting from this work shall be removed, leaving location clean.

2. WORKMANSHIP

Only top workmanship will be acceptable. Framing parts shall be straight, all parts properly aligned and securely fastened and all fittings neat in every respect. Any connections requiring bolting, welding or riveting shall be neatly done. Any exposed surface of the installation which may come in contact with shelved material shall be smooth and non-abrasive. Components with chipped paint will not be accepted. Components with chipped paint must be replaced.

3. WARRANTY

The entire installation shall be guaranteed for a period of one (1) year against defects in material or workmanship. This WARRANTY shall start with the date of acceptance of the installation by the Owner. The Contractor shall replace, free of charge, any materials proved to be defective within the period covered by the warranty, providing the Owner has notified the Contractor in writing of the defects. I

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

4. SUBMITTALS

A. Electronic documents in PDF format OR 3 sets of printed documents are required for the initial and all subsequent revised submittal packages. Submittals are to provide an architectural floor plan that shows, with dimensions, compliance with minimum ADA access requirements of State Building Standards Codes and the Office of the State Fire Marshall. They shall further describe book stack design, construction and assembly details. Furnish with submittals complete structural capabilities of the shelving construction and the specific wall and floor anchorage of all shelving. Product data shall cover all standard manufactured items showing product illustrations, specifications and installation instructions for all inclusive shelving trim and accessories.

B. Finish sample submittals shall consist of one set of any metal, wood or other trim material which becomes part of this contract. Samples shall be actual material and color samples representing actual product finishes to be supplied.

C. Submit manufacturer's printed instructions for maintenance of installed work, including methods and frequency recommended for maintaining optimum condition under anticipated traffic and use conditions. Include precautions against materials and methods that may be detrimental to finishes and performances.

5. PRODUCTS

A. MANUFACTURERS – Provide a cantilever library shelving system using materials produced by a single manufacturer for all components of the system. Subject to compliance requirements, provide library book stacks by the following or approved equal.

1) Estey, a division of Tennsco Corp.

6. BOOKSTACK SPECIFICATIONS

A. DESIGN – Shelving shall be equal to a cantilever design manufactured by Estey / Tennsco Corp. The book stack section may be removed as a modular unit from any range without disturbing adjacent units in any way. Relocation and reuse of removed section(s) can be accomplished without acquiring additional parts. The uprights and cross member supports make up the fully welded frame construction available with either closed fixed base shelf or adjustable base shelf with kick plate. Uprights are punched for bolting additional Weld Frame units into the book stack range. Shelving design allows for either static or mobile installation.

B. TEST REQUIREMENTS – All shelving shall meet the standards of the “The American National Standard for Single-Tier Steel Bracket Library Shelving”. Test data published in Library Technology Reports, Volume 34 No. 6, November/December 1998.

C. MATERIAL AND WORKMANSHIP – The shelving shall be made from only the finest materials and workmanship. All sheet metal is commercial quality furniture stock steel, hot & cold rolled, reannealed, fully pickled or equivalent. All gauge thicknesses conform to U.S. standards.

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

D. CAPACITY REQUIREMENTS – Each shelf shall have a minimum clearance between end brackets of 35 13/32". Standard unit widths shall be 36" nominal overall. (Other units, 24" and 30" wide shall meet the minimum clearance respectively) When properly installed, units are capable of supporting 50 lbs. evenly distributed weight per linear foot of shelving, multiplied times the number of shelves per unit, without deflection considered excessive by industry standards.

E. FINISHES – Shelving color shall be an epoxy powder applied electrostatically. The finish shall yield a minimum average thickness of 1.0 to 1.8 mils with a medium gloss. Abrasion resistance requires a minimum of 60 liters of sand to remove finish to bare metal, as determined by Library Technology test guidelines.

F. SEISMIC REQUIREMENTS – The book stack systems must conform to the particular standards of all seismic codes through the use of seismic sway bracing, floor anchoring, trapezoidal gussets or any combination thereof.

7. WELD FRAME SYSTEM

A. UPRIGHT COLUMNS are to be formed of not less than #16 gauge steel into a channel shape with a total of 3/4" of stiffening flanges on the inside of the upright. Overall dimensions are 2 1/2" in the web and 1 1/4" across the front and rear area surfaces. Uprights shall be perforated the full height with a series of 1/4" x 5/8" slots spaced 1" on vertical centers and located within 5/16" of the outer web surface. Every fifth and sixth slot shall have square corners as viewed against the remaining rounded corner slots to aid visual alignment of shelves. This pattern shall be repeated over the full height of the upright.

B. TOP SPREADERS are to be formed of not less than #14 gauge tubular steel measuring 1" x 3" in cross section. The spreader is to be electrically welded to the uprights.

C. BOTTOM SPREADERS shall be a channel shape measuring 1" x 1 3/4" in cross section and consists of not less than #16 gauge steel. The outer ends of the channel shall be punched to receive leveling nuts and floor levelers. The bottom channel is to be electrically welded to the uprights with the open face of the channel positioned upward. Weld frame heights are as specified and widths are 36" standard. Weld frame are to be equipped with two (2) adjustable floor levelers. Levelers should have option of elastomeric plastic shoe to prevent "walking" of units. Levelers to be either inverted hex head mushroom type standard for regular floors or conical (pin) point type.

D. CLOSED BASE BRACKETS to be designed to fit snugly in and around the welded frame upright. Material is to be no less than #16 gauge steel. Brackets shall have a 90 degree flange at the bottom to rest on the floor covering. Hardware for leveling the book stack is included. Top and front edge of the base bracket are to be flanged outward approximately 1/4". The profile of the bracket should match that of the adjustable shelf end bracket. The embossed area shall incorporate a hole to allow attaching of adjoining base brackets with a fastener.

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

E. CLOSED BASE SHELVES are to be formed from not less than #18 gauge steel into a one-piece construction designed to fit snugly around base brackets without the need for fasteners. Front height is 3 5/16" and sides have stiffening flanges.

F. ADJUSTABLE SHELVES are to be formed from not less than #18 gauge steel with the front and rear edges having a box-formed, 13/16 high profile capable of receiving wire book supports and snap-on label holders. The nominal depth of shelf is to be 1" greater than the actual dimension. The sides of the shelf are to be flanged for locking into end bracket lances. Shelves are to be capable of supporting 50 lbs. per linear foot without deflection in excess of 3/16".

G. SHELF END BRACKETS are to be formed of not less than #16 gauge steel; with all but the rear edge flared outward approximately 1/4". The rear edge will have two crimped hooks at the top for engaging frame upright slots and a positioning tab at the bottom to prevent accidental dislodgement. The bracket will incorporate two lances with protruding dimples in the sides for securing shelf side flanges. Bracket design will allow for shelf adjustment upward and downward (i.e. "walking the shelf") without disturbing any of the other shelves. Bracket emboss prevents overlapping of adjoining brackets. Brackets will extend at least 6" above the shelf surface.

H. OVERHEAD TOP BRACING shall be made of #18 gauge steel measuring 7/8" x 2" x 6" and shall be used at a ratio of one length for every three units of double faced book stack sections.

I. SLOPING PERIODICAL SHELVING shall be equipped with adjustable alternating display and storage shelves as follows: Flat storage shelves, when ordered, may be any standard size and are mounted on inverted brackets. Sloped display shelves are at least 12" actual height with a 1 5/16" flange at the bottom and boxed flanged upwards with inside safety hem. Brackets allow for a slope of approximately 30 degrees from vertical. Display shelves are equipped with rubber bumpers on support brackets for sound deadening and will remain positively located without holding them open.

J. TWO PIECE DIVIDER TYPE SHELF is to be formed of no less than #18 gauge steel and resembles a standard adjustable storage shelf except for slots on 1" centers to receive dividers. A separate 5" high back piece with matching slots serve as a back for the shelf. Standard quantity and size of divider is five (5) per shelf with an overall height of 7 7/16".

K. BRACKETS FOR CANOPY WOOD TOPS shall be formed from #14 gauge steel. Brackets shall have three (3) hooks at the rear to engage the column slots and permit easy adjustment of top with maximum possible protection against dislodgement. Brackets shall be fastened to the top with galvanized steel angles.

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

ACCESSORIES

L. BOOK SUPPORT - Non-losable plate-type book supports of 6" or 9" high are to be made of #16-19 gauge steel and include a non-skid composition on the base.

M. LOCK-ON BOOK SUPPORT – are to be 6-9" h and made of #16-19 gauge steel and are to be designed to fit around and hook onto adjustable shelf edge.

N. CORNER FILLERS - are to be formed from #18-20 gauge steel to dimensions as required. Fillers to include a tightly fitting cap.

8. INSTALLATION

A. Installation is to be performed as the progress of the job demands, according to the installation floor plan, by experienced and trained mechanics, having a minimum of three (3) years experience doing similar installations.

B. Install library stack system units at locations shown in continuous ranges made up of number of units shown, complying with manufacturer's instructions. Set units plumb and level, with permanent attachment and support. Anchor single-faced ranges to wall construction by method.

C. Assemble support systems to what extent not factory assembled, by bolting and welding as required. Coordinate field welding, if any, with other work and safety requirements. Anchor supporting members, posts, ties, channels, brackets to walls, ceilings, columns or beams as requiring for stability of units.

D. Install end panels and canopy tops by concealed bolting.

E. Install shelves at equal spacing in each unit.

F. Touch up marred finishes or replace component parts as necessary to eliminate evidence of damage.

G. Install all bookstack units over finished floor material. Make all reasonable efforts to protect finished building surfaces, carpet and access areas. Should damage occur, immediately cover the expense of all repairs or replacements necessary to the approval of the Owner.

H. During installation, remove all excess cartooning and debris from the building on a daily basis. Use every means possible to protect installed materials both during and after installation.

I. Schedule for Installation – Tentative schedule for delivery and installation is the week of December 7, 2015 – subject to final construction schedule.

Date: July 20, 2015
Project: Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107

BID CATEGORY A – LIBRARY BOOK STACKS

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

Shelving- Double Face- 3 high - **SD3**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Steel Weld Frame Divider Type Unit

QTY. (16) - SD3.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD3.10	TBD	Weld Frame Divider Type Unit- Double Face / 3 high / 10" deep shelf / 36" wide / baked-on pwdr. Coat – Light Grey	15	Children's Area 029
SD3.10	TBD	Weld Frame Divider Type Unit- Double Face / 3 high / 10" deep shelf / 36" wide / baked-on pwdr. Coat – Light Grey – sloped shelves one side for media-see plan	01	Adult New Books 117

QTY. (03)- SD3.10 AU

Furniture Plan Code	Model no.	Description	Qty.	Location
SD3.10 AU	TBD	Weld Frame Divider Type Unit- Double Face / 3 high / 10" deep shelf / 36" wide / Sloped shelves for Audio Books / baked-on pwdr. Coat – Light Grey	03	Activity 031, 032

QTY. (03)- SD3.10 AV

Furniture Plan Code	Model no.	Description	Qty.	Location
SD3.10 AV	TBD	Weld Frame Divider Type Unit- Double Face / 3 high / 10" deep shelf / 36" wide / Sloped shelves for DVDs / baked-on pwdr. Coat – Light Grey	03	Activity 031, 032

QTY. (01)- SD3.10-24"

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD3.10-24"	TBD	Weld Frame Divider Type Unit- Double Face / 3 high / 10" deep shelf / 24" wide / baked-on pwdr. Coat – Light Grey	01	Children's Area 029

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

Shelving- Double Face- 3 high - **SD3**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Steel Weld Frame Divider Type Unit

QTY. (01)- SD3.10-24" AU

Furniture Plan Code	Model no.	Description	Qty.	Location
SD3.10-24" AU	TBD	Weld Frame Divider Type Unit-Double Face / 3 high / 10" deep shelf / 24" wide / Sloped shelves for Audio Books / baked-on pwdr. Coat – Light Grey	01	Activity 031, 032

QTY. (01)- SD3.10-24" AV

Furniture Plan Code	Model no.	Description	Qty.	Location
SD3.10-24" AV	TBD	Weld Frame Divider Type Unit-Double Face / 3 high / 10" deep shelf / 24" wide / Sloped shelves for DVDs / baked-on pwdr. Coat – Light Grey	01	Activity 031, 032

QTY. (10) - SD3.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD3.12	TBD	Weld Frame Divider Type Unit-Double Face / 3 high / 12" deep shelf / 36" wide / baked-on pwdr. Coat – Light Grey	10	Children's Area 029

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

Shelving- Double Face- 4 high - **SD4**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Steel Weld Frame Divider Type Unit

QTY. (28) – SD4.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD4.10	TBD	Weld Frame Divider Type Unit-Double Face / 4 high / 10” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey	06	Children’s Area 029
SD4.10	TBD	Weld Frame Divider Type Unit-Double Face / 4 high / 10” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey –sloped shelves one side for media – see plan	06	Adult New Books 117
SD4.10	TBD	Weld Frame Divider Type Unit-Double Face / 4 high / 10” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey	16	Young Adult 118

QTY. (11) – SD4.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD4.12	TBD	Weld Frame Divider Type Unit-Double Face / 4 high / 12” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey	11	Children’s Area 029

QTY. (01) – SD4.12-30”

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD4.12-30”	TBD	Weld Frame Divider Type Unit-Double Face / 4 high / 12” deep shelf / 30” wide / baked-on pwdr. Coat – Light Grey	01	Children’s Area 029

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

Shelving- Double Face- 6 high – **SD6**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Steel Weld Frame Divider Type Unit

QTY. (53) – SD6.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD6.10	TBD	Weld Frame Divider Type Unit- Double Face / 6 high / 10” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey	18	Adult NonFiction 122
SD6.10	TBD	Weld Frame Divider Type Unit- Double Face / 6 high / 10” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey	35	Adult Fiction Mystery 124

QTY. (08) – SD6.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD6.12	TBD	Weld Frame Divider Type Unit- Double Face / 6 high / 12” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey	08	Adult NonFiction 122

QTY. (04) – SD6.12-24”

Furniture Plan Code	Model no.	Description	Qty.	By Location
SD6.12-24”	TBD	Weld Frame Divider Type Unit- Double Face / 6 high / 12” deep shelf / 24” wide / baked-on pwdr. Coat – Light Grey	04	Adult NonFiction 122

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

Shelving- Single Face- 4 high - **SS4**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Steel Weld Frame Divider Type Unit

QTY. (03) – SS4.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS4.10	TBD	Weld Frame Divider Type Unit- Single Face / 4 high / 10” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey	03	Children’s Area 029

QTY. (06)– SS4.10-24”

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS4.10-24”	TBD	Weld Frame Divider Type Unit- Single Face / 4 high / 10” deep shelf / 24” wide / baked-on pwdr. Coat – Light Grey	06	Children’s Area 029

QTY. (18) – SS4.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS4.12	TBD	Weld Frame Divider Type Unit- Single Face / 4 high / 12” deep shelf / 36” wide / baked-on pwdr. Coat – Light Grey	18	Children’s Area 029

QTY. (08) – SS4.12-24”

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS4.12-24”	TBD	Weld Frame Divider Type Unit- Single Face / 4 high / 12” deep shelf / 24” wide / baked-on pwdr. Coat – Light Grey	08	Children’s Area 029

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

Shelving- Single Face- 6 high – **SS6**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Steel Weld Frame Divider Type Unit

QTY. (18) – SS6.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS6.10	TBD	Weld Frame Divider Type Unit- Single Face / 6 high / 10” deep shelf / 36” wide / baked-on pwr. Coat – Light Grey – sloped shelves	10	Adult Media 116
SS6.10	TBD	Weld Frame Divider Type Unit- Single Face / 6 high / 10” deep shelf / 36” wide / baked-on pwr. Coat – Light Grey – sloped shelves	05	Science Fiction in Adult Fiction Mystery 124
SS6.10	TBD	Weld Frame Divider Type Unit- Single Face / 6 high / 10” deep shelf / 36” wide / baked-on pwr. Coat – Light Grey	03	Poetry Collection 125

QTY. (02) – SS6.10-24”

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS6.10-24”	TBD	Weld Frame Divider Type Unit- Single Face / 6 high / 10” deep shelf / 24” wide / baked-on pwr. Coat – Light Grey	02	Poetry Collection 125

QTY. (02) – SS6.10-30”

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS6.10-30”	TBD	Weld Frame Divider Type Unit- Single Face / 6 high / 10” deep shelf / 24” wide / baked-on pwr. Coat – Light Grey	02	Poetry Collection 125

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY A: LIBRARY BOOK STACKS

Shelving- Single Face- 6 high – **SS6**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Steel Weld Frame Divider Type Unit

QTY. (12) – SS6.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS6.12	TBD	Weld Frame Divider Type Unit- Single Face / 6 high / 12” deep shelf / 36” wide / baked-on pwr. Coat – Light Grey	10	Maine Collection 114
SS6.12	TBD	Weld Frame Divider Type Unit- Single Face / 6 high / 12” deep shelf / 36” wide / baked-on pwr. Coat – Light Grey	02	Adult NonFiction 122

QTY. (04) – SS6P.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
SS6P.12	TBD	Weld Frame Divider Type Unit- Single Face / 6 high / 12” deep shelf / 36” wide / baked-on pwr. Coat – Light Grey - Periodicals	04	Adult NonFiction 122

Date: July 20, 2015
Project: Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107

BID CATEGORY B – BOOK STACK ACCESSORIES

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY B: BOOK STACK ACCESSORIES

Accessory- **A**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Accessories

QTY. (02) – AHNGER.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
AHNGER.10	HB36A	Brackets with hanger rod for clear-view plastic media bags /36”w x 8”d / baked-on pwr. Coat – Light Grey	02	Children’s Area 029

QTY. (02) – AS3.10AV

Furniture Plan Code	Model no.	Description	Qty.	By Location
AS3.10AV	TBD	3 high / 10” deep unit / sloped shelves one side - audio visuals-see plan	02	Children’s Area 029

QTY. (02) – AS3.12MAG

Furniture Plan Code	Model no.	Description	Qty.	By Location
AS3.12MAG	TBD	3 high / 12” deep unit / periodical shelves one side– magazines-see plan	02	Children’s Area 029

QTY. (03) – AS4.10AV

Furniture Plan Code	Model no.	Description	Qty.	By Location
AS4.10AV	TBD	4 high / 10” deep unit / sloped shelves – one side – audio visuals-see plan	03	Young Adult 118

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY B: ACCESSORIES

Accessory- **A**

PRODUCT
 Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Accessories

QTY. (01) – AS4.10MAG

Furniture Plan Code	Model no.	Description	Qty.	By Location
AS4.10MAG	TBD	4 high / 10" deep unit / periodical shelves – one side– magazines-see plan	01	Young Adult I18

QTY. (01) – AS4.12MAG

Furniture Plan Code	Model no.	Description	Qty.	By Location
AS4.12MAG	TBD	4 high / 12" deep unit / periodical shelves –one side– magazines-see plan	01	Children's Area 029

QTY. (01) – AS6.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
AS6.12	TBD	SF 6 high / 12" deep unit / plexiglass cover two piece-see plan	01	Adult NonFiction I22

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY B: ACCESSORIES

Filler- **F**

PRODUCT

Manufacturer: ESTEY
 Series: Steel Cantilever Library Shelving
 Model No: TBD
 Description: Accessories

Qty. (07) - F55

Furniture Plan Code	Model no.	Description	Qty.	By Location
F55	TBD	Welded Steel Filler 55" high	07	Children's Area 029

Qty. (09) - F79

Furniture Plan Code	Model no.	Description	Qty.	By Location
F79	TBD	Welded Steel Filler 79" high	07	Maine Collection I 14
F79		Welded Steel Filler 79" high	02	Poetry Collection I 25

Qty. (110+) - none

Furniture Plan Code	Model no.	Description	Qty.	By Location
none	Estey SCH-CA	Aluminum 6"w x3"h card holders for 3x5 cards	110+	All end panels throughout bldg.

Date: July 20, 2015
Project: Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107

BID CATEGORY C – CUSTOM CANOPIES & END PANELS

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C : CUSTOM MILLWORK FOR CANOPIES AND END PANELS

SECTION 064020 – INTERIOR ARCHITECTURAL WOODWORK

PART I - GENERAL

I.1 SUMMARY

- A. This section includes the following:
 - 1. Custom Canopy Tops for Stack Shelving
 - 2. Stack Shelving Custom End Panels
 - 3. Stack Shelving Custom Slat Wall End Panels

I.2 DEFINITIONS

- A. Interior architectural woodwork includes furring, blocking, shims, and hanging strips for installing woodwork items unless concealed within other construction before woodwork installation.

I.3 SUBMITTALS

- A. Product Data: For panel products, finishing materials and processes.
- B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices and other components.
 - 1. Show dimensions for cutouts and holes for counter mounted devices.
 - 2. Apply AWI Quality Certification Program label to Shop Drawings
- C. Samples for Initial Selection
 - 1. Shop-applied transparent finishes
- D. Samples for Verification
 - 1. Veneer-faced panel products with or for transparent finish, 8 by 10 inches for each species and cut. Include at least one face-veneer seam and finish as specified.
- E. Mockups: Provide 12" x 12" mockup of custom end panels.
- F. Product Certificates: For each type of product, signed by product manufacturer.
- G. Qualifications: Project history of installer.

I.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C : CUSTOM MILLWORK FOR CANOPIES AND END PANELS

SECTION 064020 – INTERIOR ARCHITECTURAL WOODWORK – cont’d.

I.4 QUALITY ASSURANCE – cont’d.

- B. Installer Qualifications: Experienced installer with a record of successful performance on at least three projects per year for five years of a similar type and scope.
- C. Source limitations: Engage a qualified woodworking firm to assume undivided responsibility for production of interior architectural woodwork with sequence-matched wood veneers and transparent-finished solid wood trim that are required to be of the same species as TML custom library furniture.
- D. Quality Standard: Unless otherwise indicated, comply with AWS’s “Architectural Woodwork Quality Standards: Edition 1 – for grades of interior architectural woodwork indicated for construction, finishes, installation and other requirements.
- E. Mockups: Build mockups to verify selections made under sample submittals and to aesthetic effects and set quality standards for materials and execution.

I.5 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Deliver items in manufacturer’s original, unopened and undamaged containers, bearing manufacturer’s identification.
- B. Handling and Storage: Handle in exact accordance with manufacturer’s instructions and as printed on containers.

I.6 PROJECT CONDITIONS

- A. Install only after use space construction has been completely finished, including floor and ceiling material installation and painting.
- B. Environmental Requirements: Do not begin the Work until “wet work” is complete and space is at use temperature and humidity.
- C. Protection:
 - 1. Protect existing construction and the Work of other Contractors from damage or soiling by the Work under this Contract.
 - 2. Provide temporary protection of jambs, door heads, soffits, walls, ceilings and floors as required.

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C : CUSTOM MILLWORK FOR CANOPIES AND END PANELS

SECTION 064020 – INTERIOR ARCHITECTURAL WOODWORK – cont’d.

I.6 PROJECT CONDITIONS – cont’d.

- C.
 - 3. Arrange for and pay installing trade for repair, refinishing or replacement of damaged existing construction or the Work of other trades to meet satisfaction of Architect and Owner.
- D. Installer must inspect space and conditions under which the Work is to be performed and report, in writing to Architect, condition(s) detrimental to timely and successful installation of the Work. Start of work will evidence acceptance of conditions.
- E. Conditioning: Woodwork Manufacturer and Installer shall advise Owner of temperature and humidity requirements for woodwork installation and storage areas. Do not install woodwork until required temperature and relative humidity have been stabilized and will be maintained in installation areas.
- F. Field Measurements: Where woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Locate concealed framing, blocking and reinforcements that support woodwork by field measurements before being enclosed and indicate measurements on Shop Drawings.
- G. Sequencing, Scheduling:
 - 1. Schedule delivery to coincide with availability of use area.
 - 2. No storage is available at the Project site and no additional compensation will be considered for off-site storage.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. General: Provide materials that comply with requirements of AWI's quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.
- B. Wood Species and Cut for Transparent Finish. Hard Maple veneer - plain sliced. Solid Hard Maple wood - plain sawn.
- C. Wood Products: Comply with the following:
 - 1. Hardboard: AHA A135.4

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C : CUSTOM MILLWORK FOR CANOPIES AND END PANELS

SECTION 064020 – INTERIOR ARCHITECTURAL WOODWORK – cont’d.

2.1 MATERIALS – cont’d.

- C. 2. Veneer-Faced Panel Products (Hardwood Plywood) HPVA HP-I

2.2 STACK SHELVING END PANELS

- A. The end panels are premium 1.25” thick hard maple wood trim – style and rails with premium plywood particle board hard maple veneer face on two sides.

2.3 STACK SHELVING SLAT WALL END PANELS

- A. Slat wall end panels are premium 1.25” thick hard maple with slats custom routed into panel to ensure quality and strength; pre-manufactured slat wall is not an acceptable alternate. Slat interior dimensions must accept standardized slatwall hardware.

2.4 STACK SHELVING CANOPY TOPS

- A. Canopy tops are to be 1” thick with premium three ply construction particle board with hard maple veneer face on two sides. Edge band all 4 edges with 1/8” maple wood edge banding to match faces.

2.5 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims and Hanging Strips: Softwood or hardwood lumber, kiln dried to less than 15 percent moisture content.
- B. Anchors: Select material. Type, size and finish required for each substrate for secure anchorage. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls and elsewhere as required for corrosion resistance. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.
- C. Adhesives, General: Do not use adhesives that contain urea Formaldehyde.

2.6 FABRICATION, GENERAL

- A. Interior Woodwork Grade: Unless otherwise indicated, provide Premium-grade interior woodwork complying with referenced quality standard.
- B. Wood Moisture Content: Comply with requirements of referenced quality standard for wood moisture content in relation to ambient relative humidity during fabrication and in installation areas.

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C : CUSTOM MILLWORK FOR CANOPIES AND END PANELS

SECTION 064020 – INTERIOR ARCHITECTURAL WOODWORK – cont'd.

2.6 FABRICATION, GENERAL – cont'd.

- C. Fabricate woodwork to dimensions, profiles and details indicated. Ease edges to radius indicated for the following:
 - 1. Corners and edges of Solid-Wood (Lumber) Members $\frac{3}{4}$ Inch Thick or Less: $\frac{1}{16}$ th inch.
 - 2. Edges of Rails and Similar Members More than $\frac{3}{4}$ Inch Thick: $\frac{1}{8}$ inch.
 - 3. Edges of Rails and Similar Members: $\frac{1}{16}$ inch.
- D. Complete fabrication, including assembly, finishing, and hardware application to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming and fitting.

PART 3 – EXECUTION

3.1 PREPARATION

- A. Field Measurements: Make field measurements where required before delivery of stock item and make arrangements for adjustments in location with Architect.
- B. Preparation of Area: Install protection of existing items and surfaces.

3.2 INSTALLATION

- A. Employ experienced foreman to supervise work of workmen and to be present at the Project site at times the Work under this Subcontract is in progress.
 - 1. Such foreman shall be Subcontractor's representative and shall coordinate with General trades Contractor and other trades.
- B. Move materials directly from unloading point to use area.
- C. Unpack and assemble each item in exact accordance with manufacturer's instructions using fasteners, parts, assembly devices supplied, and proper tools.
- D. Set each item in its proper position, level, plumb square and free of rack.
- E. Remove shipping protection and adjust moving parts for proper, smooth operation.

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C : CUSTOM MILLWORK FOR CANOPIES AND END PANELS

SECTION 064020 – INTERIOR ARCHITECTURAL WOODWORK – cont’d.

3.2 INSTALLATION – cont’d.

- F. Carefully remove existing components from storage, handle, assemble as necessary and install in new locations.
- G. Immediately remove rubbish and debris resulting from the Work from the Project site and legally dispose of. Do not allow rubbish to accumulate.
- H. Exercise precautions and provide security until acceptance to avoid exposure to fire, injury, damage or theft. Repair or replace items to satisfaction of Architect and Owner.
- I. Proceed with installation in orderly manner.
- J. Finished Top and End Panels:
 - 1. Install panels plumb, level, true and straight with no distortions. Shim as required using concealed shims.
 - 2. Shop-cut to exact size.
 - 3. Secure panel to metal shelving with no exposed fasteners on face of panel.
- K. Schedule for Installation – Tentative schedule for delivery and installation is the week of December 7, 2015 – subject to final construction schedule.

3.3 ADJUSTMENT AND CLEANING

- A. Adjustments:
 - 1. Make final adjustments.
 - 2. Touch up or refinish items only when acceptable to Architect, otherwise remove and replace items to satisfaction of Architect.
- B. Cleaning:
 - 1. Dust items.
 - 2. Broom clean and dust space
 - 3. Remove temporary protection and leave existing construction in same condition as when operation started.
- C. Final Acceptance: Final acceptance by Architect will be on basis of acceptance both the Work under the Contract and repair, refinishing, cleaning or replacement of balance of the Project damaged by this work, to satisfaction of Architect and Owner.

3.4 INSTRUCTIONS

- A. After occupancy by Owner, provide services of qualified technical instructor to instruct Owner’s personnel in maintenance staff on proper operation, adjustment, maintenance and handling of each item.
Provide Owner written literature on operation, adjustment and handling of each item.

END OF SECTION 064020

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C : CUSTOM MILLWORK FOR CANOPIES AND END PANELS

Wood Veneer Double Canopy Top - **CD**

PRODUCT

Manufacturer: TBD
 Series: n/a
 Model No: n/a

Description: Custom Wood Veneer Double-Face Canopy Top

1" thick plain-sliced hard maple wood veneer - balance match veneer. All exposed edges veneered w/ hard maple wd edge band. Edge band and face well matched for color and grain. Transparent finish to match custom TML library furniture with oil and catalyzed lacquer - provide shop drawings and wood sample.

QTY. (50) – CD.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
CD.10	n/a	Double width canopy – for 10" unit 36" wide.	27	Children's Area 029
CD.10		See above	07	Adult New Books 117
CD.10		See above	16	Young Adult 118

QTY. (03) – CD.10-24"

Furniture Plan Code	Model no.	Description	Qty.	By Location
CD.10-24	n/a	Double width canopy – for 10" unit 24" wide.	03	Children's Area 029

QTY. (21) – CD.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
CD.12	n/a	Double width canopy – for 12" unit 36" wide.	21	Children's Area 029

QTY. (01) – CD.12-30"

Furniture Plan Code	Model no.	Description	Qty.	By Location
CD.12-30	n/a	Double width canopy – for 12" unit 30" wide.	01	Children's Area 029

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C: CUSTOM MILLWORK FOR CANOPIES AND END PANELS

Wood Veneer Single Canopy Top - **CS**

PRODUCT

Manufacturer: TBD
 Series: n/a
 Model No: n/a
 Description: Custom Wood Veneer Single-Face Canopy Top

1" thick plain-sliced hard maple wood veneer - balance match veneer. All exposed edges veneered w/hard maple wd edge band. Edge band and face well matched for color and grain. Transparent finish to match custom TML library furniture with oil and catalyzed lacquer - provide shop drawings and wood sample.

QTY. (03) – CS.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
CS.10	n/a	Single width canopy – for 10" unit 36" wide.	03	Children's Area 029

QTY. (06) – CS.10-24"

Furniture Plan Code	Model no.	Description	Qty.	By Location
CS.10-24"	n/a	Single width canopy – for 10" unit 24" wide.	06	Children's Area 029

QTY. (18) – CS.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
CS.12	n/a	Single width canopy – for 12" unit 36" wide.	18	Children's Area 029

QTY. (08) – CS.12-24"

Furniture Plan Code	Model no.	Description	Qty.	By Location
CS.12-24"	n/a	Single width canopy – for 12" unit 24" wide.	08	Children's Area 029

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C: CUSTOM MILLWORK FOR CANOPIES AND END PANELS

Solid wood and wood veneer end panel - **P**

PRODUCT

Manufacturer: TBD
 Series: n/a
 Model No: n/a
 Description: Solid wood and wood veneer end panel

1/4" thick plain-sawn solid hard maple wood square stick styles and rails with recessed 3/4" thick plain-sliced hard maple wood veneer center panel - balance match veneer. Transparent finish to match custom TML furniture with oil and catalyzed lacquer – see Millwork sketches below. Provide shop drawings and wood sample.

QTY. (01) – PD1.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
PD1.10	n/a	Double width - one high end panel – for 10" unit.	01	Adult New Books 117

QTY. (07) – PD3.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
PD3.10	n/a	Double width, 3 high end panel – for 10" unit.	06	Children's Area 029
PD3.10	n/a	Double-face, 3 high end panel – for 10" unit.	01	Adult New Books 117

QTY. (01) – PD3.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
PD3.12	n/a	Double width, 3 high end panel – for 12" unit.	01	Children's Area 029

QTY. (11) – PD4.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
PD4.10	n/a	Double width 4 high end panel – for 10" unit.	02	Children's Area 029
PD4.10	n/a	Double width 4 high end panel – for 10" unit.	01	Adult New Books 117
PD4.10	n/a	Double width 4 high end panel – for 10" unit.	08	Young Adult 118

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C: CUSTOM MILLWORK FOR CANOPIES AND END PANELS

Solid wood and wood veneer end panel - **P**

PRODUCT

Manufacturer: TBD
 Series: n/a
 Model No: n/a
 Description: Solid wood and wood veneer end panel

1 1/4" thick plain-sawn solid hard maple wood square stick styles and rails with recessed 3/4" thick plain-sliced hard maple wood veneer center panel - balance match veneer. Transparent finish to match custom TML furniture with oil and catalyzed lacquer – see Millwork sketches below. Provide shop drawings and wood sample.

QTY. (01) – PD4.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
PD4.12	n/a	Double width, 4 high end panel – for 12" unit.	01	Children's Area 029

QTY. (20) – PD6.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
PD6.10	n/a	Double width, 6 high end panel – for 10" unit.	06	Adult NonFiction 122
PD6.10	n/a	Double-face, 6 high end panel – for 10" unit.	14	Adult Fiction Mystery 124

QTY. (04) – PD6.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
PD6.12	n/a	Double width, 6 high end panel – for 12" unit.	04	Adult NonFiction 122

QTY. (01) – PS4.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
PS4.10	n/a	Single width, 4 high end panel – for 10" unit.	01	Children's Area 029

QTY. (03) – PS4.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
PS4.12	n/a	Single width, 4 high end panel – for 12" unit.	03	Children's Area 029

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C: CUSTOM MILLWORK FOR CANOPIES AND END PANELS

Solid wood and wood veneer end panel - **P**

PRODUCT

Manufacturer: TBD
 Series: n/a
 Model No: n/a
 Description: Solid wood and wood veneer end panel

1/4" thick plain-sawn solid hard maple wood square stick styles and rails with recessed 3/4" thick plain-sliced hard maple wood veneer center panel - balance match veneer. Transparent finish to match custom TML furniture with oil and catalyzed lacquer – see Millwork sketches below. Provide shop drawings and wood sample.

QTY. (05) – PS6.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
PS6.10	n/a	Single width, 6 high end panel – for 10" unit.	01	Adult Media 116
PS6.10	n/a	Single width, 6 high end panel – for 10" unit.	04	Poetry Collection 125

QTY. (05) – PS6.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
PS6.12	n/a	Single width, 6 high end panel – for 12" unit.	03	Maine Collection 114
PS6.12	n/a	Single width, 6 high end panel – for 12" unit.	02	Adult NonFiction 122

CANTILEVER STEEL LIBRARY BOOKSTACK SHELVING SPECIFICATIONS

BID CATEGORY C: CUSTOM MILLWORK FOR CANOPIES AND END PANELS

Solid hard maple wood slatwall end panel - **SL**

PRODUCT

Manufacturer: TBD
 Series: n/a
 Model No: n/a
 Description: Solid hard maple wood slat wall end panel

1/4" thick plain-sawn solid hard maple wood end panel with slats custom routed into panel to ensure quality and strength. Pre-manufactured slatwall is not an acceptable alternate. Slat interior dimensions must accept standardized slatwall hardware. Transparent finish to match custom TML furniture with oil and catalyzed lacquer – see Millwork sketches below. Provide shop drawings and wood sample.

QTY. (03) – SL3.10

Furniture Plan Code	Model no.	Description	Qty.	By Location
SL3.10	n/a	Double width, 3 high slat wall end panel – for 10" unit.	03	Children's Area 029

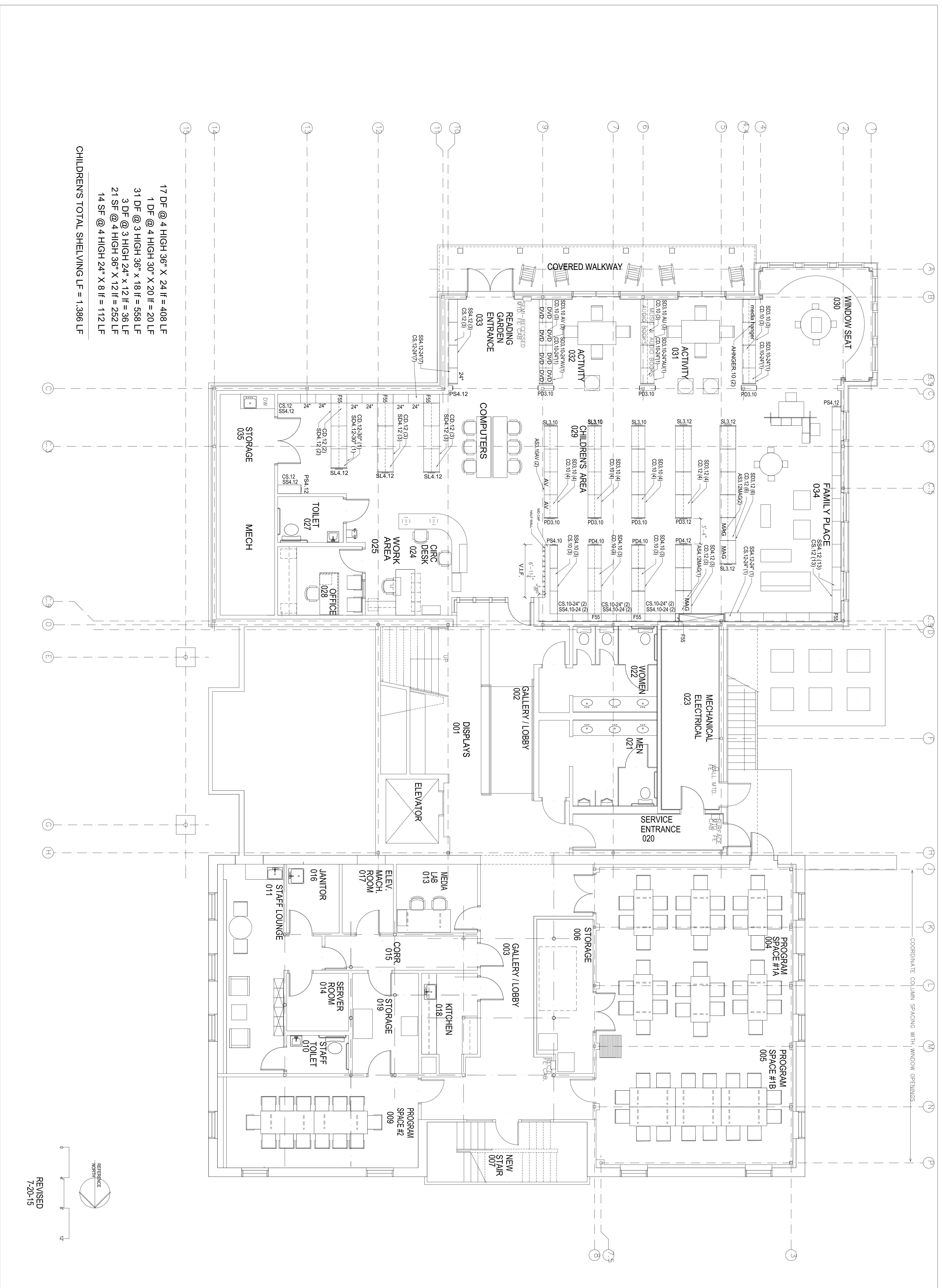
QTY. (03) – SL3.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
SL3.12	n/a	Double width, 3 high slat wall end panel – for 12" unit.	03	Children's Area 029

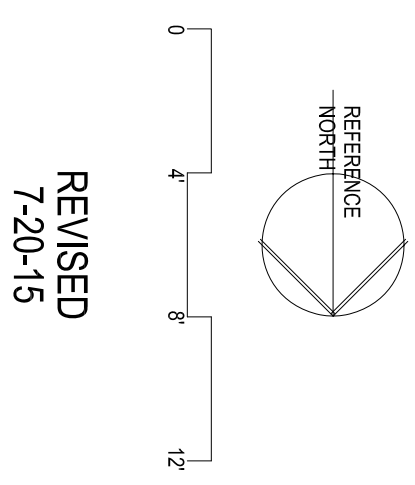
QTY. (03) – SL4.12

Furniture Plan Code	Model no.	Description	Qty.	By Location
SL3.12	n/a	Double width, 4 high slat wall end panel – for 12" unit.	03	Children's Area 029

Date: July 20, 2015
Project: Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107



17 DF @ 4 HIGH 36" X 24 IF = 408 LF
 1 DF @ 4 HIGH 30" X 20 IF = 20 LF
 31 DF @ 3 HIGH 36" X 18 IF = 558 LF
 3 DF @ 3 HIGH 24" X 12 IF = 36 LF
 21 SF @ 4 HIGH 36" X 12 IF = 252 LF
 14 SF @ 4 HIGH 24" X 8 IF = 112 LF
 CHILDRENS TOTAL SHELVING LF = 1,386 LF



ARCHITECT:
REED & CO ARCHITECTURE
 46 CUMBERLAND AVE
 PORTLAND, ME 04101
 207 871 5978

CIVIL & STRUCTURAL ENGINEER:
 CASCO BAY ENGINEER
 424 FINE ST #4A
 PORTLAND, ME 04101
 207 842 2800

LANDSCAPE ARCHITECT:
 LAND DESIGN SOLUTIONS
 P.O. BOX 136
 181 LONGMEADOWS ROAD
 CUMBERLAND, ME 04021
 207 939 1717

MECHANICAL ENGINEERS:
 HOLBROOK ENGINEERING
 327 CENTER RD
 PORTLAND, ME 04102
 207 281 9272

ELECTRICAL ENGINEER:
 BARTLETT DESIGN
 942 WASHINGTON STREET
 BATH, MAINE 04502
 207 453 5447

INTERIOR DESIGNER:
 COLE DESIGN
 30 PARK LANE
 KITTERY, ME 03944
 207 653 0083

CONSTRUCTION MANAGER:
 ZACHAU CONSTRUCTION INC.
 1765 US ROUTE ONE
 FREDERICK, ME 04042
 207 866 9925

PROJECT OWNER:
 TOWN OF CAPE
 ELIZABETH, MAINE

EXPANSION & RENOVATIONS TO
**THOMAS
 MEMORIAL
 LIBRARY**

6 SCOTT DIER RD
 CAPE ELIZABETH
 MAINE 04107

SHEET NO.
A6.16
 LOWER LEVEL
 SHELVING PLAN

Scale: 3/16" = 1'-0"
 Date:
 Revised: 7-20-2015

ARCHITECT:
REED & CO ARCHITECTURE
46 CUMBERLAND AVE
PORTLAND, ME 04101
207.871.5971

ONLINE & STRUCTURAL ENGINEER:
CASCO BAY ENGINEER
424 FINE ST #3A
PORTLAND, ME 04101
207.842.2800

LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. BOX 316
181 LONGMEADOWS ROAD
CUMBERLAND, ME 04021
207.899.1177

MECHANICAL ENGINEERS:
HOLBROOK ENGINEERING
327 HENRI RD
527 WASHINGTON ST
PORTLAND, ME 04102
207.283.9272

ELECTRICAL ENGINEER:
BARTLETT DESIGN
942 WASHINGTON STREET
BETH, MAINE 0650
207.493.5497

INTERIOR DESIGNER:
COLE DESIGN
30 DRAKE LANE
KITTEBY, ME 03944
207.653.0083

CONSTRUCTION MANAGER:
ZACHAU CONSTRUCTION INC.
145 US ROUTE ONE
FREETOWN, ME 04042
207.866.9925

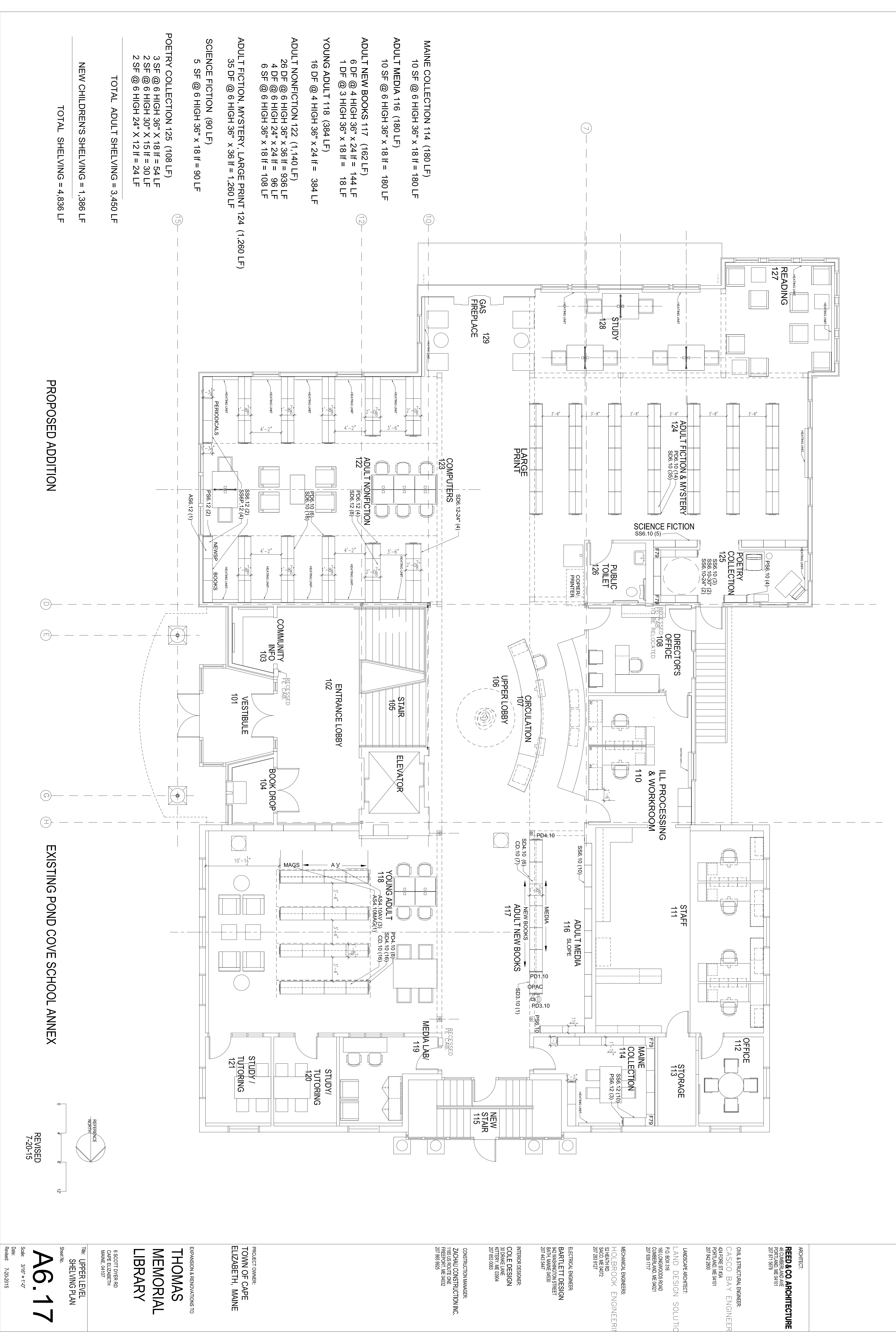
PROJECT OWNER:
TOWN OF CAPE ELIZABETH, MAINE

EXPANSION & RENOVATIONS TO
THOMAS MEMORIAL LIBRARY

6 SCOTT DIER RD
CAPE ELIZABETH
MAINE, 04107

TITLE: **UPPER LEVEL SHELVING PLAN**
SHEET NO.:

A6.17
Scale: 3/16" = 1'-0"
Date:
Revised: 7-20-2015



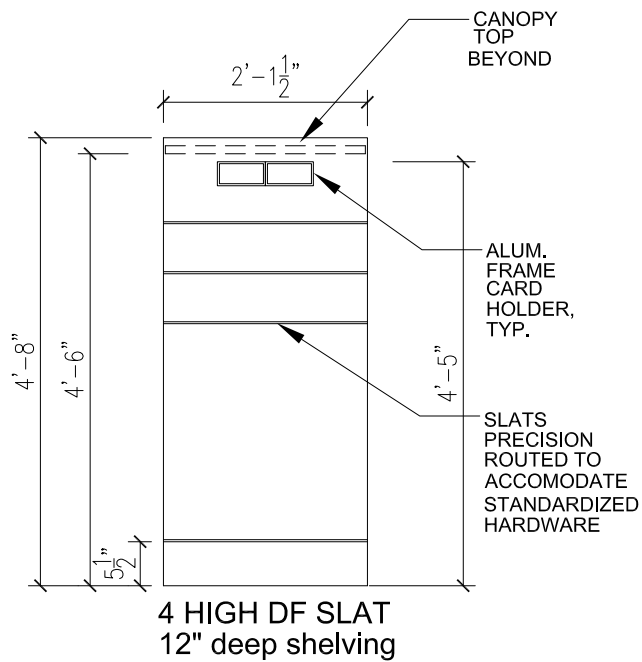
- MAINE COLLECTION 114 (180 LF)
10 SF @ 6 HIGH 36" x 18 IF = 180 LF
- ADULT MEDIA 116 (180 LF)
10 SF @ 6 HIGH 36" x 18 IF = 180 LF
- ADULT NEW BOOKS 117 (162 LF)
6 DF @ 4 HIGH 36" x 24 IF = 144 LF
1 DF @ 3 HIGH 36" x 18 IF = 18 LF
- YOUNG ADULT 118 (384 LF)
16 DF @ 4 HIGH 36" x 24 IF = 384 LF
- ADULT NONFICTION 122 (1,140 LF)
26 DF @ 6 HIGH 36" x 36 IF = 936 LF
4 DF @ 6 HIGH 24" x 24 IF = 96 LF
6 SF @ 6 HIGH 36" x 18 IF = 108 LF
- ADULT FICTION, MYSTERY, LARGE PRINT 124 (1,260 LF)
35 DF @ 6 HIGH 36" x 36 IF = 1,260 LF
- SCIENCE FICTION (90 LF)
5 SF @ 6 HIGH 36" x 18 IF = 90 LF
- POETRY COLLECTION 125 (108 LF)
3 SF @ 6 HIGH 36" x 18 IF = 54 LF
2 SF @ 6 HIGH 30" x 15 IF = 30 LF
2 SF @ 6 HIGH 24" x 12 IF = 24 LF
- TOTAL ADULT SHELVING = 3,450 LF
- NEW CHILDRENS SHELVING = 1,386 LF
- TOTAL SHELVING = 4,836 LF

PROPOSED ADDITION

EXISTING POND COVE SCHOOL ANNEX

REVISED
7-20-15

Date: July 20, 2015
Project: Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107



SL4.12

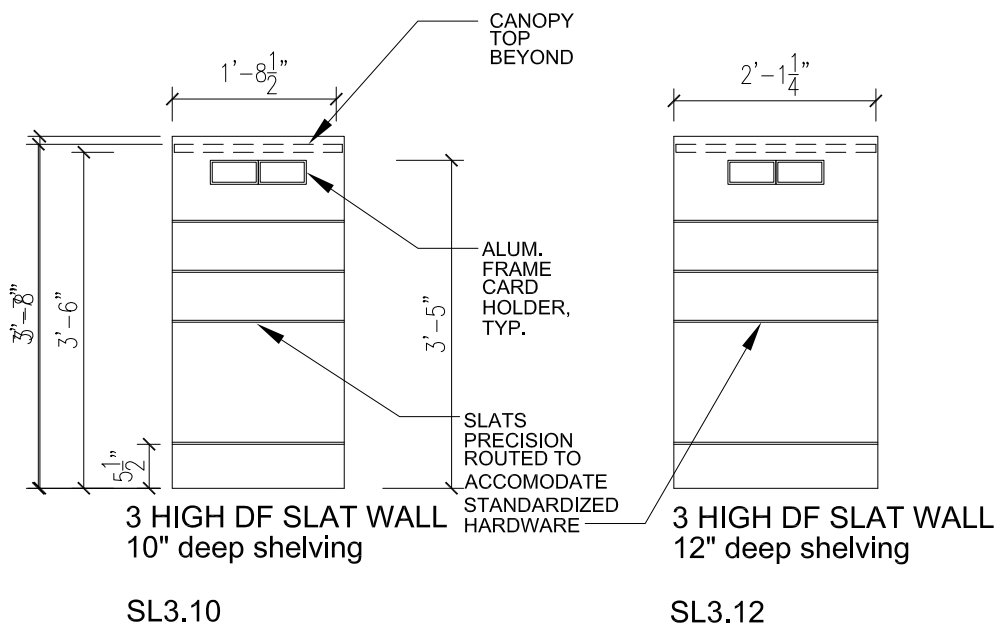
1.25" THICK SOLID HARD MAPLE WOOD W/
CUSTOM ROUTED SLATS

TML BOOK STACK END PANELS - 4 HIGH SLAT WALL
1/2" = 1'-0"
7/20/2015

THOMAS MEMORIAL LIBRARY
CAPE ELIZABETH, MAINE

COLE DESIGN
ncole@coleinteriordesign.com

SK - 7



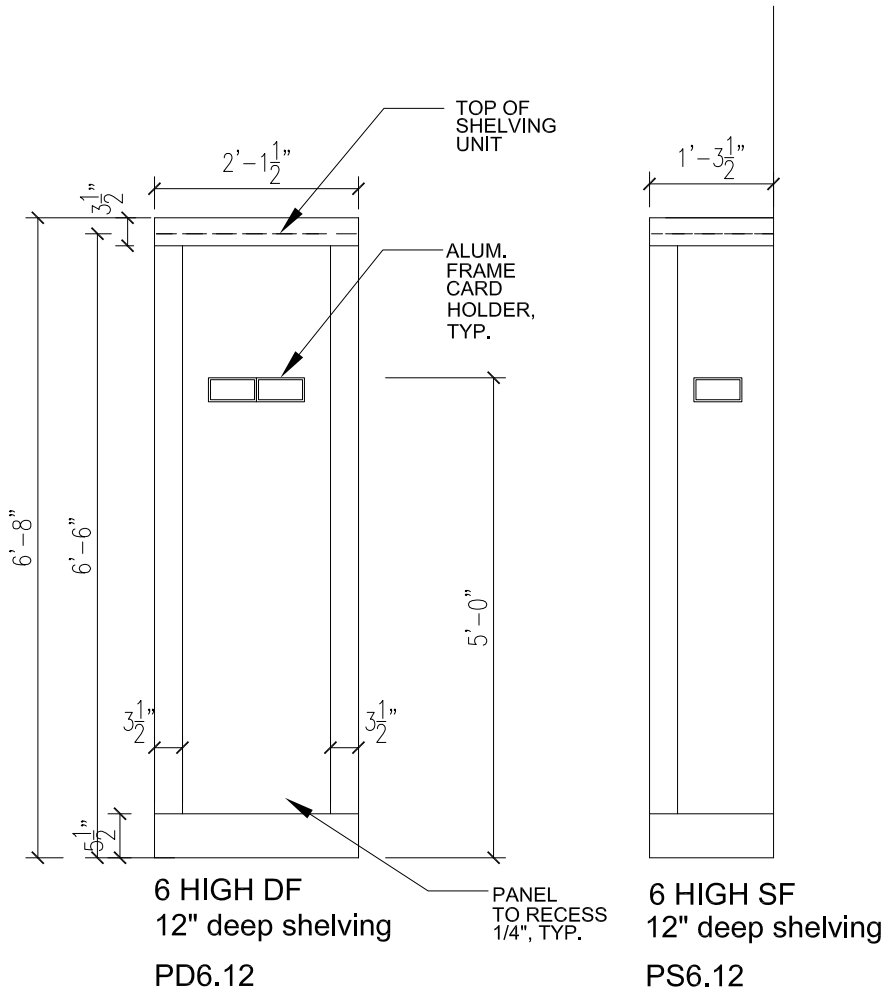
1.25" THICK SOLID HARD MAPLE WOOD W/
CUSTOM ROUTED SLATS

TML BOOK STACK END PANELS - 3 HIGH SLAT WALL
1/2" = 1'-0"
7/20/2015

THOMAS MEMORIAL LIBRARY
CAPE ELIZABETH, MAINE

COLE DESIGN
ncole@coleinteriordesign.com

SK - 6



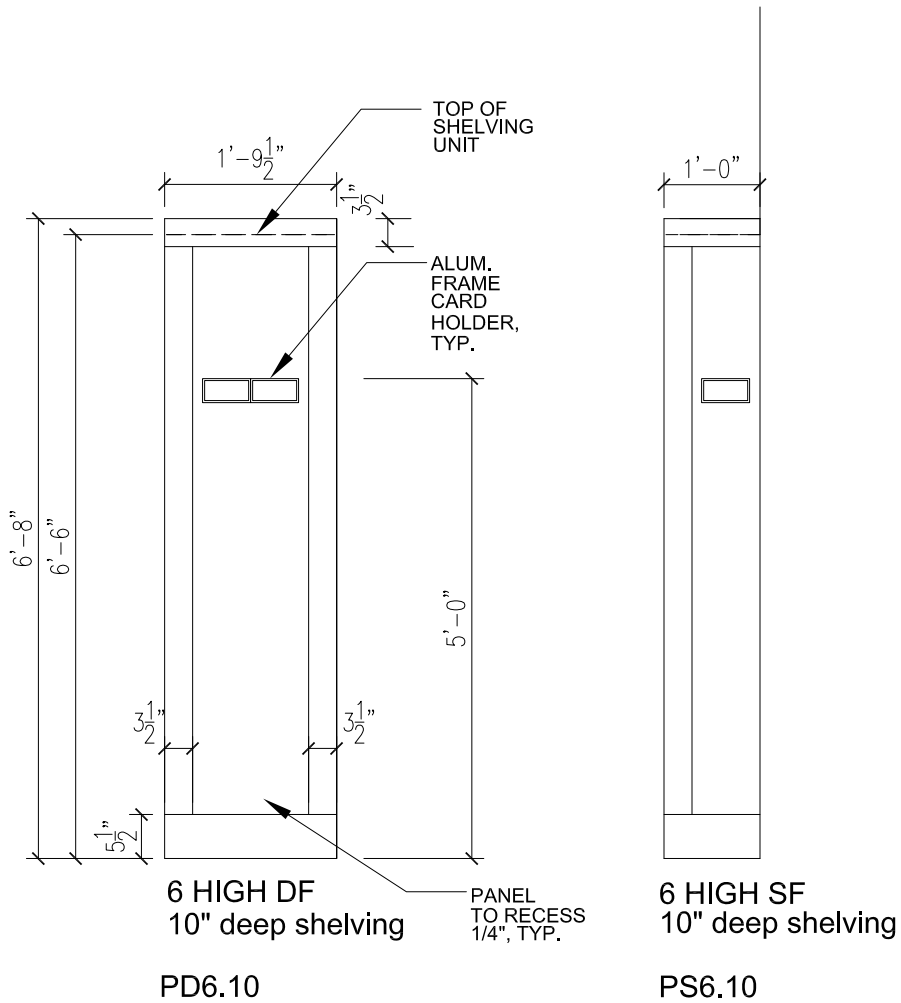
1.25" THICK, SQUARE STICK RAIL & STYLE,
FLAT RECESSED PANEL.

BOOK STACK END PANELS - 6 HIGH
1/2" = 1'-0"
7/20/2015

THOMAS MEMORIAL LIBRARY
CAPE ELIZABETH, MAINE

COLE DESIGN
ncole@coleinteriordesign.com

SK - 5

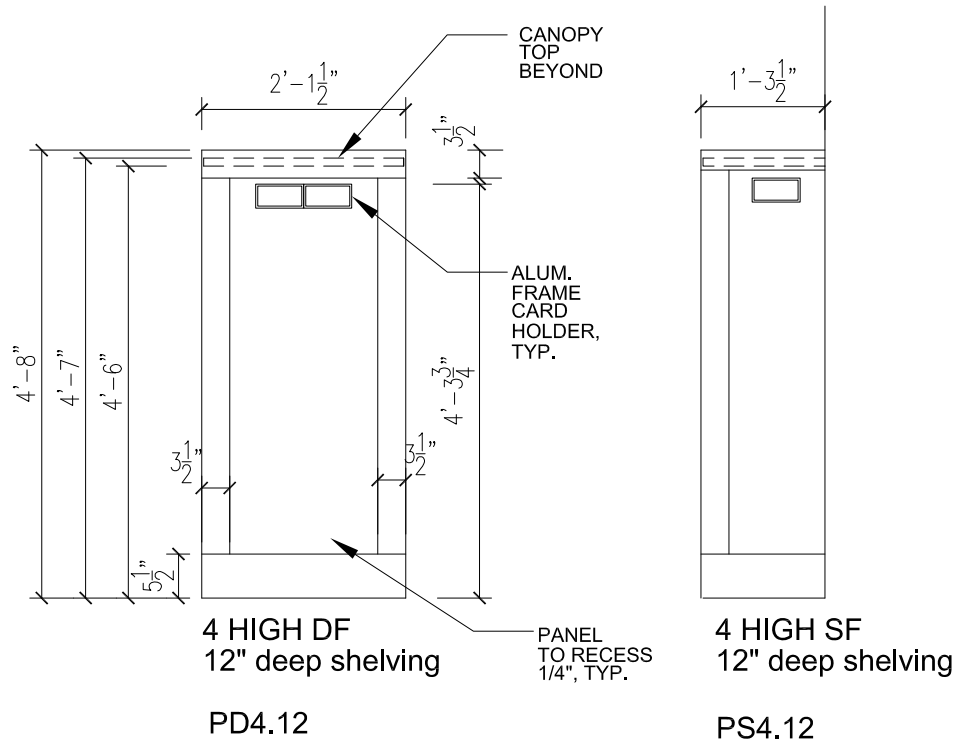


1.25" THICK, SQUARE STICK RAIL & STYLE,
 FLAT RECESSED PANEL.

TML BOOK STACK END PANELS - 6 HIGH
 1/2" = 1'-0"
 7/20/2015

THOMAS MEMORIAL LIBRARY
 CAPE ELIZABETH, MAINE
 COLE DESIGN
 ncole@coleinteriordesign.com

SK - 4



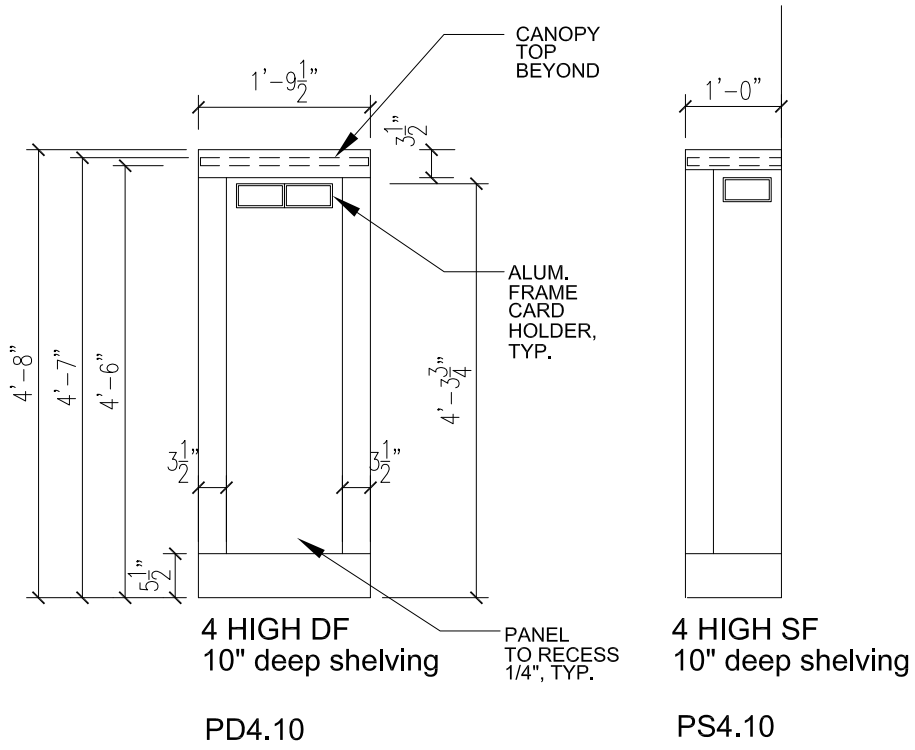
1.25" THICK, SQUARE STICK RAIL & STYLE,
FLAT RECESSED PANEL.

TML BOOK STACK END PANELS - 4 HIGH
1/2" = 1'-0"
7/20/2015

THOMAS MEMORIAL LIBRARY
CAPE ELIZABETH, MAINE

COLE DESIGN
ncole@colediinteriordesign.com

SK - 3

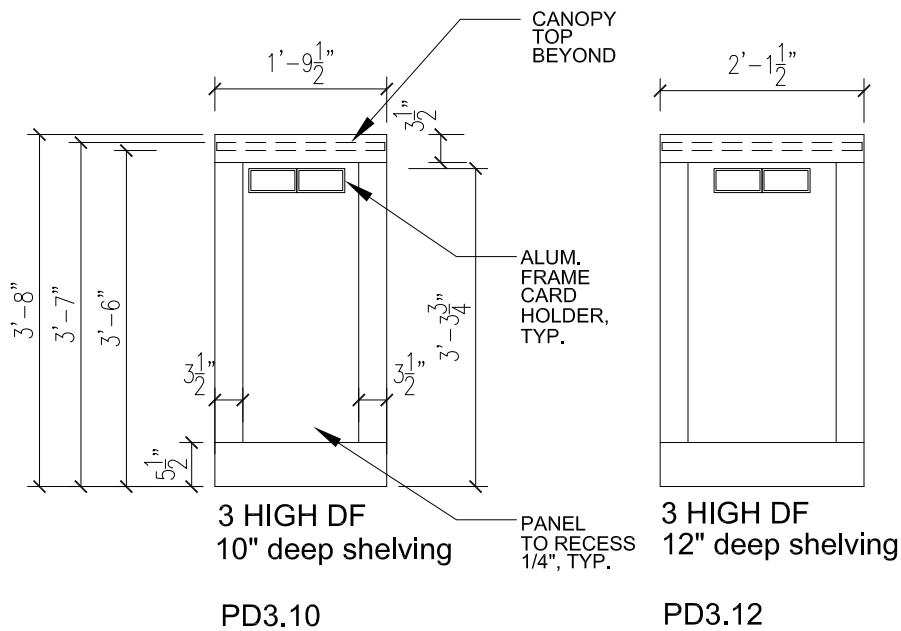


1.25" THICK, SQUARE STICK RAIL & STYLE,
FLAT RECESSED PANEL.

TML BOOK STACK END PANELS - 4 HIGH
1/2" = 1'-0"
7/20/2015

THOMAS MEMORIAL LIBRARY
CAPE ELIZABETH, MAINE

COLE DESIGN
ncole@coleinteriordesign.com



1.25" THICK, SQUARE STICK RAIL & STYLE,
 FLAT RECESSED PANEL.

TML BOOK STACK END PANELS - 3 HIGH

1/2" = 1'-0"
 7/20/2015

THOMAS MEMORIAL LIBRARY
 CAPE ELIZABETH, MAINE

COLE DESIGN
 ncole@coleinteriordesign.com

SK - 1

Date: July 20, 2015
Project: Thomas Memorial Library
6 Scott Dyer Road
Cape Elizabeth, ME 04107

Bid Pricing Summary

To: Thomas Memorial Library

A. The undersigned proposes to furnish all labor and materials required for the Library Book Stack bid package of Thomas Memorial Library, Cape Elizabeth, Maine in accordance with the accompanying Bidding Documents.

B. This Bid includes addenda number(s) _____

The list below provides a summary of items required to be written out on pages A-I through pages C-X. Unit prices must include delivery and installation.

Note: Follow instructions to bidders specifications regarding designations of all bid items. The Owner reserves the right to reject incorrect bid forms as non-responsive. All line items of each bid page must have designation to be considered.

Category A: Library Book Stacks _____

Category B: Accessories _____

Category C: Custom Millwork for Canopies and End Panels _____

TOTAL BID _____

C. The undersigned certifies under the penalties of perjury that this Bid is in all respects bona fide, fair and made without collusion or fraud with any other person. The word "person" shall mean natural person, joint venture, partnership, corporation or other business or legal entity.

Name of General Bidder

By: _____
Signature

Date:

Name & Title of Person Signing

Business Telephone

Business Address

Business Fax

City and State

Business Email