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| **Section Cover Page** |
|  **Section 12 52 21****2021-09-19 Lounge Seating** |
| Refer to “LEED Notes and Credits” page for additional guidance for LEED projects.Delete LEED items if project:.1 is excluded by the department’s policy on LEED, or.2 the department has determined that the work of this Contract is not to attain a LEED rating. |

This section describes the general requirements performance and the capabilities of lounge seating.

This Master Technical Specification Section contains:

.1 This cover sheet

.2 LEED Notes and Credits

.3 Specification Section text:

**1. General**

1.2 Reference Documents

**2. Products**

2.1 Frame Construction

2.2 Finishes

2.3 Seat Option

2.4 Base option

2.5 Accessory Option

**LEED Notes:**

N/A

**LEED Credits:**

Contribution towards LEED credits in this section may apply as follows:

**1. LEED Credit MR 4: Recycled Content.**

.1 The criteria is that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least the percent (10% and 20%) of the total value of the materials in the project. Steel, aluminum and HPDE plastics may have some recycled content. The vendor shall provide the Manufacturer’s information sheets demonstrating recycled content, within three (3) Business Days upon request from the Corporate Purchasing Section.

**2. MR Credit 5 Regional Materials:**

.1 Use building materials or products that have been extracted, harvested, recovered and processed within 800 km (2400 km if shipped by rail or water) of the final manufacturing site. Demonstrate that the final manufacturing site is within 800 km (2400 km if shipped by rail or water) of the project site for these products. The vendor will be required to submit documentation consisting of cost, weight, transportation service and distances as evidence of compliance with credit requirements.

**3. LEED Credit MR 7: Certified Wood.**

.1 A minimum of 50% of wood-based materials and products shall be certified in accordance with the Forest Stewardship Council’s Principles and Criteria in order to obtain this credit.

**4. LEED Credit EQ 4.4: Low-Emitting Materials – Composite Wood and Agrifibre Products**

.1 To obtain this credit composite wood products shall contain no added-urea formaldehyde and any adhesive products shall contain no urea-formaldehyde.

1. **General**

.1 This section describes the minimum requirements for lounge seating (single, two-seater and three-seater) with or without tablets. The lounge seating shall be designed for commercial office use.

**1.2 REFERENCE DOCUMENTS**

.1 ANSI/BIFMA X5.4 Lounge Seating;

.2 ANSI/BIFMA X 5.1 General Purpose Office Chairs

.2 CAL 133/TB133 – State of California Technical Bulletin # 117 Section E (CS-191-53)

.3 NFPA-260

.4 ASTM D4157 – Abrasion

.5 ASTM D3370 – Recovery Ratio

.6 ASTM D3597 – Upholstery Fabrics

.7 AATCC-16 – Light Fastness

.8 American National Standards Institute Applicable Publications

**2. Products**

**2.1 FRAME CONSTRUCTION**

 .1 All frames to be constructed of solid hardwood rails, premium grade and engineering grade – OR – ¾” medium density fiberboard (MDF) for waste reduction.

 .2 All items shall be glued and screwed and double doweled together – OR – machined into each frame eliminating the need for dowels.

 .3 Corners shall be rounded to 3 mm radius.

 .4 Corner blocks if applicable shall be fitted, glued and screwed.

 .5 Metal shall be welded construction, fastened together with metal to metal connection.

 .6 Seat and back: Foam shall be premium grade fire retardant foam. High-density.

 .7 Arms shall be covered with high-density foam, cardboard is not acceptable.

**2.2 FINISHES**

.1 Upholstery: Grade 2 min. With multi fabric option.

.2 All finish colours must be selected from a manufacturer’s standard range.

.3 Stain Finish: Wood – urethane clear coat. Water-based stains and topcoats. To be determined from the Manufacturer’s standard range.

.4 Tablet finish: high pressure laminate or MDF with epoxy finish or wood veneer – from manufacturers standard range.

.5 Metal leg: powder coat finish, brushed stainless or steel/satin aluminum – from manufacturer’s standard range.

.6 Paint to be VOC-free powder coat.

.7 Seat and back are upholstered separately with all seems double needled for added seam integrity.

**2.3 SEAT OPTION**

 .1 Single, two-seater and three-seater.

.2 Dimensions (range): 30 to 91 inches (+/- 3”) wide x 33 inches (+/- 3”) deep x 29 to 36 inches (+/- 3”) height.

**2.4 BASE OPTION**

 .1 Metal leg.

 .2 Wood.

 .3 2 wheel and 2 metal leg combination.

 .4 Legs with a leveling glide that adjusts +/- ¾” for un-level floors.

**2.5 ACCESSORY OPTION**

 .1 Arm grommet to allow single lounge seating to have accessory option.

 .1 Tablet.

 .2 Cup-holder.

 .3 Combination of tablet and cup-holder.

 .4 Available without upholstered arms.

 .5 Available with wood arms.

**END OF SECTION**