**OM-RI-12 0116.00-SUP.docx**

**MULTIPLE SEATING RENOVATION**

|  |  |  |
| --- | --- | --- |
| **SECTION USAGE MATRIX** | | |
| C | NA | Seminary and Small Institute Standard Plan (CHURCH EDUCATION SYSTEM) - New Project |
| SM | NA | Standard MEETINGHOUSE and PHASED MEETINGHOUSE Standard Plan - New Project |
| R | SUP | OM/RI (REPLACEMENT & IMPROVEMENT) for Existing Meetinghouse / Seminary and Institute Project |
| CM | NA | Meetinghouse and Phased Meetinghouse Standard Plan with S&I MODULE ADDITION - New Project |
| SI | NA | S&I MODULE Addition to Existing Meetinghouse Building |
| MO | NA | MISSION OFFICE MODULE Addition to Existing Meetinghouse Building |
| UM | NA | URBAN MEETINGHOUSE for Custom Meetinghouse - New or Addition Project |
| FM | NA | Small Maintenance Project specification for FACILITY MANAGER |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **MODIFICATION LOG** | | |
| DATE | SOURCE | DESCRIPTION |
|  |  |  |
| 29 May 17 | Gail Olsen | Updated Procedural Notes. |
| 12 Feb 15 | Michael Jenson | Updated Procedural Notes and Summary in Part 1. Updated specified Acceptable Installers |
| 05 Jun 14 | Michael Jenson | Acceptable Installers list updated. |
| 28 Feb 13 | Michael Jenson | Major update to Manufacturers, Products, and Installation. |
| 27 Sep 11 | Gail Olsen | Installer Qualifications updated. |
| 21 Jun 11 | Michael Jenson | Acceptable Installers list updated. General Upgrade. |

|  |
| --- |
| PROCEDURAL NOTES |
| COORDINATION |
| DESIGN INFORMATION AND BACKGROUND MEETINGHOUSE Projects:   1. Use this Section for both existing Meetinghouse and Large CES Institute Buildings for Pews and Upholstered Audience Seating (Opera Chairs). 2. If only refinishing and no re-upholstering is required, do not include this Section but specify refinishing work under Section 09 0193 REFINISHING INTERIOR CLEAR-FINISHED HARDWOOD and / or Sections 09 9124 INTERIOR PAINTED METAL. 3. Edit Specification as necessary to give an accurate, but brief description of work of this Section and accurate listing of related work, especially if scope of work is not shown graphically on Contract Documents. 4. Select appropriate OPTION for Project and delete those that do not apply. |

SECTION 12 0116

MULTIPLE SEATING RENOVATION

1. GENERAL
   * + 1. SUMMARY
          1. Includes But Not Limited To:

Remove, protect, and reinstall pews and Rostrum seating (opera chairs).

Re-upholstering existing pews as described in Contract Documents.

Re-upholstering existing Rostrum seating (opera chairs) as described in Contract Documents.

* + - * 1. Related Requirements:

Section 09 9124: 'Interior Painted Metal' for refinishing existing Rostrum seating bodies.

Section 09 0193: 'Refinishing Interior Clear-Finished Hardwood' for refinishing existing hardwood pews and Rostrum seating arms.

* + - 1. ADMINISTRATIVE REQUIREMENTS
         1. Pre-Installation Conference:

In addition to agenda items specified in Section 01 3100, review following:

**EDIT REQUIRED:** Edit accordingly if both pews and Rostrum seating are not being re-upholstered.

Before beginning general re-upholstery work, demonstrate re-upholstery techniques and materials to be used by performing specified work on a smaller, single pew and a single Rostrum seating unit during pre-installation conference.

Upon approval of Architect or Owner’s Representative, general re-upholstery work may begin.

* + - 1. SUBMITTALS
         1. Informational Submittals:

Qualification Statement:

Installer:

Provide Qualification documentation if requested by Architect or Owner.

* + - * 1. Closeout Submittals:

Include following in Operations And Maintenance Manual specified in Section 01 7800:

Warranty Documentation:

Include copy of final, executed warranty.

* + - 1. QUALITY ASSURANCE
         1. Qualifications:

Installer: Requirements of Section 01 4301 applies, but not limited to following:

Minimum two (2) satisfactorily completed installations of comparable quality, scope, similar size, and complexity in past two (2) years before bidding.

Upon request, submit documentation.

* + - 1. WARRANTY
         1. Special Warranty:

Provide five (5) year written warranty for satisfactory appearance and workmanship. Include certification that specification requirements have been complied with.

1. PRODUCTS
   * + 1. MATERIALS
          1. Description:

Upholstery Fabric Color And Pattern:

Category Four Approved Products. See Section 01 6200 for definitions of Categories:

**EDIT REQUIRED:** Select **ONE** of following Options.

**OPTION A:** Select one of the following colors / patterns.

Absecon, Shire: 3058 (Blue/Sapphire), 8047 (Green/Emerald), 6056 (Red/Garnet).

**OPTION B:** Select one of the following colors / patterns.

Guilford of Maine, Revival 47002: 0604 Sapphire, 0717 Emerald, 8406 Garnet.

**EDIT REQUIRED:** Delete following paragraph and corresponding subparagraphs under EXECUTION, if no new foam is required.

* + - * 1. Pews:

Foam:

Minimum 2.5 lb / per cu ft (40 kg / per cu m) density high resiliency polyurethane foam padding self-extinguishing type with minimum ILD of 45 lb (20 kg) for seats and 32 lb (14.5 kg) for backs.

Foam seconds not acceptable.

**EDIT REQUIRED:** Select **ONE** of following two Options.

**OPTION AA:** Include following paragraph if using Options One or Two under EXECUTION.

Thickness:

Seats: 1-3/4 inches (45.4 mm).

Backs: 3/4 inch (19 mm).

**OPTION BB:** Include one or both of the following TWO paragraphs if using Options Three, Four, or Five under EXECUTION.

Thickness:

Seats: Match original depth provided with original pew.

Backs: 3/4 inch (19 mm).

Type Two Acceptable Products:

Foamex, Linwood, PA [www.foamex.com](http://www.foamex.com).

Furniture/Mattress Supply Co., Murray UT (801) 261-0565.

3-4026 HR by Future Foam, Council Bluffs, IA (712) 323-9122.

Equal as approved by Architect before installation. See Section 01 6200.

Thermal Bonded Polyester Fiber:

1 oz / sq ft (305 grams / sq m).

Extend one inch (25 mm) minimum beyond all four (4) sides.

Spray Adhesive: No. 74 by 3M.

1. EXECUTION
   * + 1. INSTALLERS

**EDIT REQUIRED:** You may research and include several local re-upholstery companies capable of performing the work necessary. Companies listed below may be deleted if local companies are researched and specified, or if you are dissatisfied by previous work. Specify at least three companies.

* + - * 1. Acceptable Installers:

Church Interiors Inc., Charlotte, NC (800) 289-7397 [www.churchinteriors.com](http://www.churchinteriors.com).

Commercial Furnishings, LLC Provo, UT [www.commercialfurnishingsllc.com](http://www.commercialfurnishingsllc.com). (203) 982-9494 [steele@commercialfurnishingsllc.com](mailto:steele@commercialfurnishingsllc.com).

Harris Restoration & Upholstery Inc, Orem, UT [www.harrisupholstery.com](http://www.harrisupholstery.com) [harris.restoration@gmail.com](mailto:harris.restoration@gmail.com).

Horizon Upholstery Inc., Orem, UT (801) 434-7253 [horizonupholstery@hotmail.com](mailto:horizonupholstery@hotmail.com).

Sauder Manufacturing Co, Archbold, OH [www.saudermfg.com](http://www.saudermfg.com).

Equal as approved by Architect before bidding. See Section 01 4301 and Section 01 6200.

* + - 1. EXAMINATION
         1. Verification Of Conditions:

Note positions of anchors to insure replacement of seating in original positions, unless noted otherwise on Drawings.

* + - * 1. Examination And Assessment:

Examine pews and rostrum seating to identify condition and anchorage system of each.

Make written record of existing mars and damages to each piece to be removed and stored.

If required by Architect or Owner’s Representative, take photographs of each piece.

* + - 1. PREPARATION
         1. Furniture Removal:

Remove existing pews and rostrum seating and store in location acceptable to Architect or Owner’s Representative.

Protect stored furniture items from dust, dirt, and damage related to other construction activities.

* + - 1. INSTALLATION
         1. Pews:

**EDIT REQUIRED:** Select **ONE** of following **FIVE** Options.

**OPTION ONE:** Include following paragraph for Pews not originally upholstered.

Re-Upholstery:

Do not disassemble pews.

Fasten new fabric at rear of seat and at bottom of back by power stapling through both heavy-duty strip and reverse edge of fabric cover with 1/2 inch (12.7 mm) long staples no more than one inch (25 mm) apart.

Place foam on seat.

Place specified thermal bonded polyester fiber on seat foam, centered so fiber overhangs each side of foam by one inch (25 mm) minimum.

Blind tack anchor strip at sides.

**OPTION TWO:** Include following paragraph for Pews not originally upholstered, but velcro or bracket attached pads added subsequently.

Re-Upholstery:

Remove existing padded panels.

Do not disassemble pews.

Fasten new fabric at rear of seat and at bottom of back by power stapling through both heavy-duty strip and reverse edge of fabric cover with 3/8 inch (9.5 mm) long staples no more than one inch (25 mm) apart.

Place foam on seat.

Place specified thermal bonded polyester fiber on seat foam, centered so fiber overhangs each side of foam by one inch (25 mm) minimum.

Blind tack anchor strip at sides.

**OPTION THREE:** Include following paragraph for Pews factory upholstered with removable top rail and attached ear on seat end cover.

Re-Upholstery:

Remove top rail, arms, seat, and back. Remove and discard existing foam.

Seats:

Place foam on seat.

Place specified thermal bonded polyester fiber on seat foam, centered so fiber overhangs each side of foam by one inch (25 mm) minimum.

Add additional fiber and upholster small removable ear end piece on outside end corners of seats as part of seat.

Power staple fabric at rear of seat back with 1/2 inch (12.7 mm) long staples one inch (25 mm) maximum apart and pull fabric forward.

Waterfall wrap very tight and power staple on underside of pew front and ends.

Backs:

If back foam is still good, may be reused.

Attach foam using specified spray adhesive.

Fasten fabric over foam at bottom of back with 1/2 inch (12.7 mm) long staples one inch (25 mm) maximum apart and wrap fabric up over top.

Staple at bottom of back.

Staple ends at side end.

Reassemble pews using new screws and, if necessary, replace wood dowel buttons with new.

**OPTION FOUR:** Include following paragraph for Pews factory upholstered with non-removable top rail.

Re-Upholstery:

Remove arms, seat, and back. Remove and discard existing foam.

Seats:

Place foam on seat.

Place specified thermal bonded polyester fiber on seat foam, centered so fiber overhangs each side of foam by one inch (25 mm) minimum.

Add additional fiber and upholster small removable ear end piece on outside end corners of seats as part of seat.

Power staple fabric at rear of seat back using 1/2 inch (12.7 mm) long staples one inch (25 mm) maximum apart and pull fabric forward.

Waterfall wrap very tight and power staple on underside of pew front and ends.

Backs:

If back foam is still good, may be reused.

Attach foam using specified spray adhesive.

Use heavy-duty tack strip at top of back. Power staple reverse side of fabric on inside and outside of back at top of back tightly next to top rail with 1/2 inch (12.7 mm) long staples one inch (25 mm) maximum apart. Pull fabric down front and back of back and staple at bottom.

Reassemble pews using new screws and, if necessary, replace wood dowel buttons with new.

**OPTION FIVE:** Include following paragraph for Pews factory upholstered with space between seat and back.

Re-Upholstery:

Remove top rail, arms, seat, and back. Remove and discard existing foam.

Seats:

Place foam on seat.

Place specified thermal bonded polyester fiber on seat foam, centered so fiber overhangs each side of foam by one inch (25 mm) minimum.

Add additional padding and upholster small removable ear end piece on outside end corners of seats as part of seat.

Power staple fabric at rear of seat back using 1/2 inch (12.7 mm) long staples one inch (25 mm) maximum apart and pull fabric forward.

Waterfall wrap very tight and power staple on underside of pew front and ends.

Backs:

Attach foam using specified spray adhesive.

Fasten fabric over foam at bottom of back with 1/2 inch (12.7 mm) long staples one inch (25 mm) maximum apart and wrap fabric up over top.

Staple at bottom of back.

Staple ends at side end.

Reassemble pews using new screws and, if necessary, replace wood dowel buttons with new. Replace spacers. Added screws may be necessary to re-fasten arms.

**EDIT REQUIRED:** Delete following paragraph if refinishing is required as specified in Section 09 0193 REFINISHING INTERIOR CLEAR-FINISHED HARDWOOD.

Finish Touch-Up of Pews: Lightly touch up with stain and apply lemon polish.

Reinstallation of Pews:

Repair damaged floor caused by removal of floor anchors before installation of pews and new carpet.

Re-attach pews securely to floor with concealed fasteners:

Clips or angles are not acceptable.

Spacing and alignment shall be uniform and true.

When installing over carpet, punch holes through carpet with hollow cutting tool. Do not drill through carpet.

* + - * 1. Rostrum Seating:

Re-upholstery: Re-upholster in same manner as original.

Place thermal bonded polyester fiber on seats centered with one inch (25 mm) overhang on each side and back and 2 inches (50 mm) overhang on front.

**EDIT REQUIRED:** Delete following paragraph if refinishing is required as specified in Sections 09 9124 INTERIOR PAINTER METAL and 09 0193 REFINISHING INTERIOR CLEAR-FINISHED HARDWOOD.

Finish Touch-up of Rostrum Seating:

Lightly touch up wood arms with stain and apply lemon polish.

Prepare damaged finish on seating bodies and apply touch-up paint.

END OF SECTION