

MODULAR CONFERENCE FURNITURE

STATEMENT OF WORK

2/25/13

Part 1 – General

1.1 Description

The Glenn Research Center (GRC) is constructing a Centralized Office Building (COB) sized at approximately 90,000 square feet to house 300 employees. The COB will contain a large multi-functional space supporting meetings, video teleconferences, training sessions, executive meetings, and other types of gatherings. The conference room furniture in this space needs to be modular and flexible in nature to provide the needed functionality of the various activities.

1.2 General Requirements

The Contractor shall provide all services, labor, materials, equipment, and supervision required to successfully perform the requirements of this Statement of Work.

1.3 Submittals

Prior to the production of the actual furniture, the Contractor shall provide the following information to the COB Project Manager (PM) for final review and concurrence.

- A 10"x18" full-scale, finished sample of the tabletop, illustrating the specified design. See Figure 1 for required location of sample.
- Separate, finished wood samples for each species
- Detailed, dimensioned shop drawings of the following:
 - Overall assembled table situated within the room, displaying overall seating capacity with conference room chair being utilized (see Part 2.1 for specs)
 - Each unique module
- 3D color rendering from perspective of the assembled table

Six copies of the submittals shall be submitted to the PM. The Government will have 5 business days to review the provided information.

Part 2 – Scope

2.1 Configuration

The modular conference furniture shall consist of approximately (14) separate tables: approximately (10) equally sized 'radius' modular tables and approximately (4) equally sized 'end' modular tables.

The modular conference furniture shall interlock to provide an assembled conference table of approximately 430"x180" maximum, with a tapered configuration at each end (boat shape), as shown in Figure 2. This assembled table shall be capable of seating a minimum of 40 persons seated at the table in Zody chairs manufactured by Haworth. When not assembled in this large conference table configuration, the modular conference furniture shall be reconfigurable in a minimum of (5) configurations.

The modular conference furniture shall interlock utilizing table ganging clamps that are concealed from view when the conference table is assembled. These clamps shall work entirely by hand (no tools required to operate) and shall be removable when not in use. There shall be a minimum of two clamps per table joint. Clamps shall be equivalent to Mockett #GC1-90.

2.2 Materials, Finishes, and Construction

Tabletop and base shall be a combination of solid/veneer woods. Solids and veneers shall be of premium grade stock.

Table base shall be cherry and shall be dark stained.

The combination of woods for the table top shall be as described below, listed in order from the exterior edge towards the center of the tabletop module (as shown in Figure 1):

- ½" solid cherry wood edge band around each table top with an eased edge at the top and bottom – dark stained
- 3"-4" accent band of flame cherry veneer – cherry finish; straight grain parallel to table edge
- ½" cherry veneer band-dark stained to match table edge
- Remainder (field) of tabletop shall be birds eye maple – natural finish

Table top shall be flat and appear monolithic, with no changes in height between various wood components. Table top thickness shall be a minimum of 1-1/2" thick.

Table height from finished floor to the top of table shall be 30".

Furniture shall be constructed utilizing industry recognized woodworking joinery. Joints shall not be fastened utilizing mechanical fasteners only. Furniture construction shall be of such mass that the furniture is not easily moveable once the furniture is placed and the casters are disengaged. The furniture shall not allow for rocking and racking once the furniture is placed and the casters are disengaged.

Finish shall be full fill finish, with a satin catalyzed polyurethane topcoat. Topcoat thickness for table tops shall be in accordance with topcoat finish manufacturer for table top application.

2.3 Audio/Video Integration

Each table base shall have a solid cherry foot which includes wire entry. Each table base shall have hollow construction for wire management with matching, self-closing access doors. Access doors shall be of same finish as table bases. Each table base shall be equipped with mini roller guides with swivel casters.

Tables shall include integral cable management systems that provide the capability for hidden cable pathways between modular table sections.

A matching, hinged access hatch shall be provided in each tabletop for A/V integration:

- Access hatch shall be custom-sized to accommodate the power/data unit required to be installed within the hatch
- Access hatch shall be centered in the tabletop
- Access hatch wood grain shall be continuous with surrounding table top wood grain such that when the hatch is closed, grain continues from table top across hatch.

When the modular conference furniture is assembled in the large conference table configuration, it will be utilized for video teleconferencing. In order for this to be accomplished, the assembled conference table shall support no less than 56 A/C power outlets and 22 microphone connections. This requires eight of the modular tables (four of the equally sized 'radius' modular tables and the four equally sized 'end' modular tables) to be outfitted with Extron AAP 106 six-gang mounting frames within the access hatches, configured with the following equipment (Refer to Figure 3):

- Extron #70-422-11 One XLR 5-Pin Female to solder cups Neutrik, Quantity 2
- Extron #70-491-10 Blank Plate with two Keystone openings, Quantity 2
- Extron #70-090-12 Blank Plate Double, Quantity 1
- Extron #70-584-02 Dual AC AAP, Quantity 2.

This also requires the remaining six of the equally sized 'radius' modular tables to be outfitted with Extron AAP 104 four-gang mounting frames within the access hatches, configured with the following equipment (Refer to Figure 3):

- Extron #70-422-11 One XLR 5-Pin Female to solder cups Neutrik, Quantity 1
- Extron #70-090-12 Blank Plate Double, Quantity 1
- Extron #70-584-02 Dual AC AAP, Quantity 2.

Tables shall allow for future expansion of A/V components and multiple cable pathways.

2.4 Podium

A matching podium shall also be provided and installed. The podium shall be approximately 29"x25" and shall match the other modular furniture in construction, materials, and finishes (as specified above). The podium shall have dark-stained cherry body with cherry-stained flame cherry accents to match the other modular furniture. Podium body shall have 3/4" cherry details throughout. Podium shall include a self-closing access door and swivel caster floor glides. The base shall have a solid tapered cherry foot and hollow construction for wire management. Cable entry grommets shall be provided at the bottom of both sides of podium base for wire passage.

The podium shall support the following (at a minimum):

- 2 standard grounded A/C power outlets
- 4 data connections
- 1 HDMI port
- 1 VGA with audio
- Detachable gooseneck LED light with dimmer switch

This shall be accomplished utilizing an Extron AAP 104 four-gang mounting frame configured as shown in Figure 4.

2.5 Credenza

A matching credenza shall also be provided and installed. The credenza shall be approximately 144" long x 20" wide x 36" high, with a center section that extends to 24" wide. The credenza shall match the other modular furniture in construction, materials, and finishes (as specified above). Credenza shall have dark-stained cherry body with cherry-stained flame cherry doors and accents to match the other modular furniture. Interior parts shall be pre-finished maple. The credenza shall also include self-closing doors, levelers, ventilation slots, wire runs, and two shelves per opening. Hinges shall be concealed, 3-way adjustable, and soft-closing. Manufacturer shall provide door hardware selections for Government choice.

The combination of woods for the table top shall be as described below, listed in order from the exterior edge towards the center of the credenza:

- ½" solid cherry wood edge band around table top with an eased edge at the top and bottom – dark stained
- 2" accent band of flame cherry veneer – cherry finish; straight grain parallel to table edge
- Remainder (field) of tabletop shall be birds eye maple – natural finish

Part 3 – Delivery, Assembly, and Installation

3.1 General

Material shipment shall be FOB Destination to the COB at NASA GRC. A ground level loading dock with direct access to a freight elevator is easily accessible.

Final delivery, assembly, installation, and check out shall be performed at GRC during normal business operations. Alternate work hours may be authorized by the Contracting Officer (CO) if so requested. All on-site work shall be scheduled with the COB PM prior to commencement.

There will be other trades working concurrently in the COB at the time of this installation. The contractor shall coordinate activities with the COB PM in order to minimize interferences with other work being performed in the building.

3.2 Protection of Government Property

The Contractor shall take all necessary precautions to protect the newly paved surfaces at the COB from damage. If the Contractor uses any of the new asphalt surface for a laydown area or staging of equipment, the Contractor shall use steel plates or other means, approved by the Government, to protect the new asphalt surface. No tracked vehicles shall be allowed to contact the new asphalt surface at any time. If a tracked vehicle needs to be off-loaded and moved into the building, then plates or other means of surface protection shall be used.

The Contractor shall be responsible for repairing any damage done to Government property, equipment, COB infrastructure, roadways and parking surfaces.

All rubbish and construction debris shall be removed from GRC and the work areas shall be kept clean at all times.

4.0 Field Training

The manufacturer shall provide a minimum 2-hour training session at GRC to explain installation, operations, and maintenance of the products. At that time, the contractor shall provide:

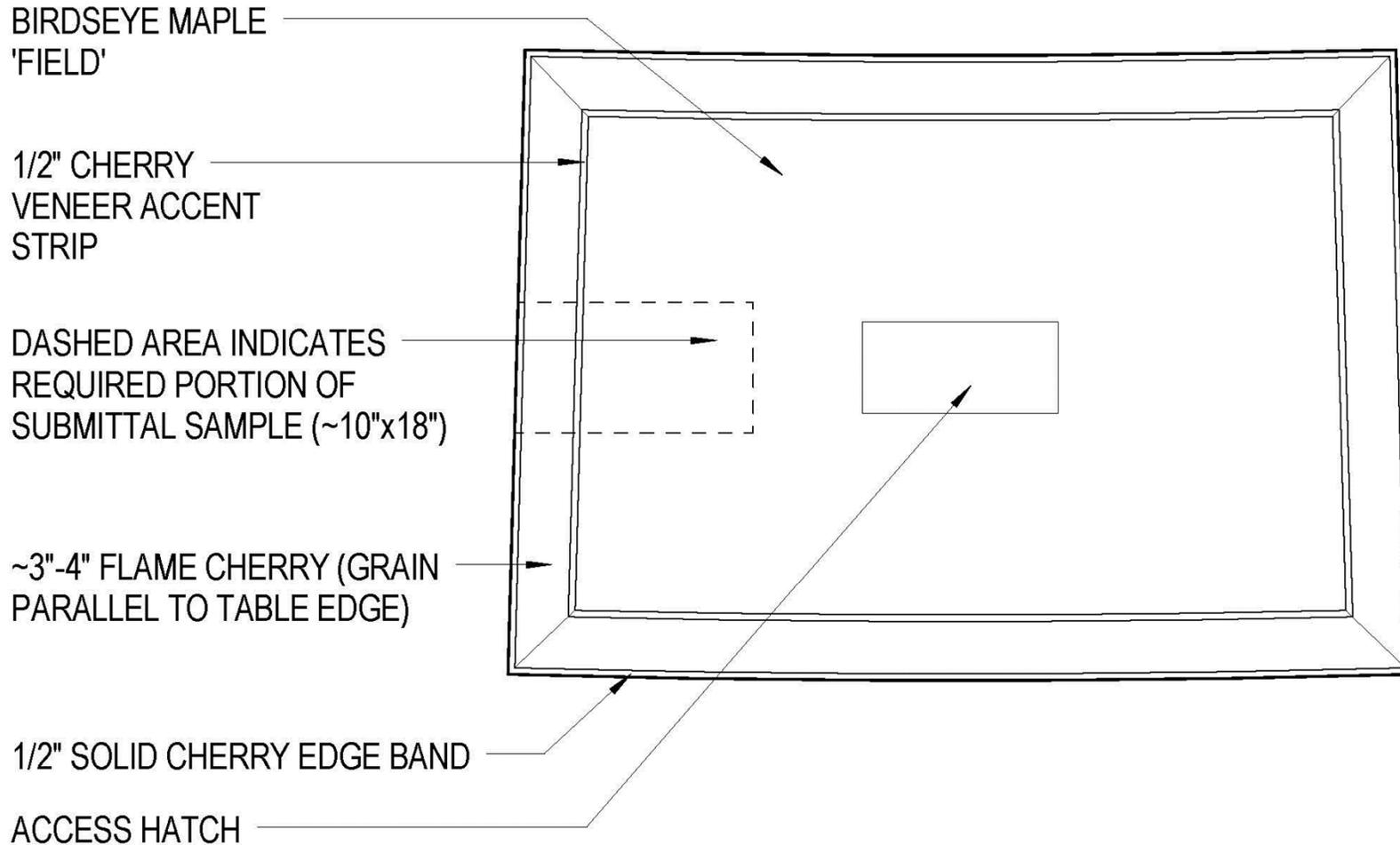
- Assembly instructions
- Spare Parts List
- Operations and Maintenance Data

5.0 Warranty

Manufacturer shall guarantee its work to be free of defect in workmanship and material for a minimum of three years after Government acceptance of furniture.



TABLE MODULE CONCEPT



NOT TO SCALE. LAYOUT INTENDED TO DEPICT MATERIAL ARRANGEMENT ONLY

Figure 1—Table Module Concept

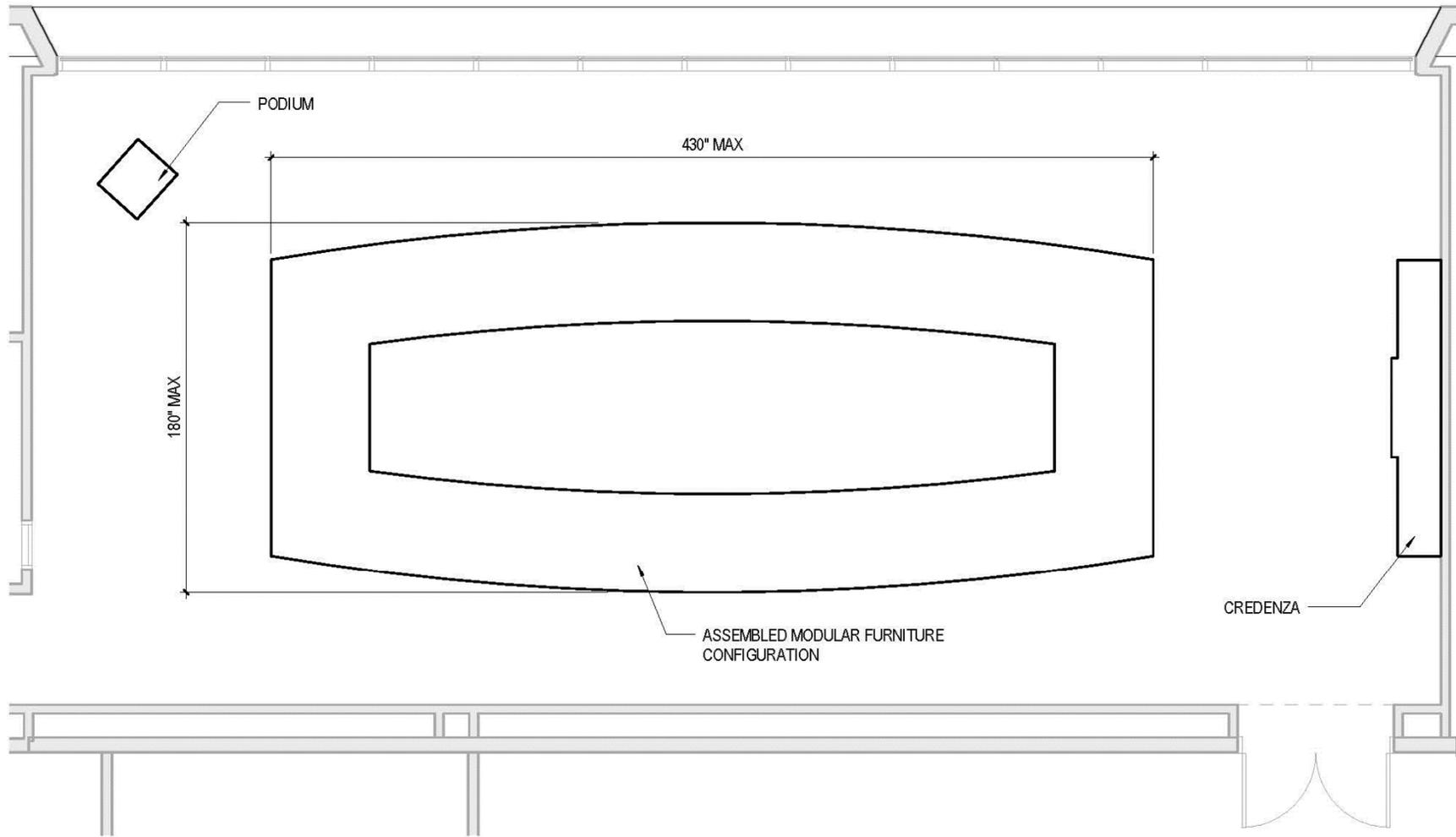
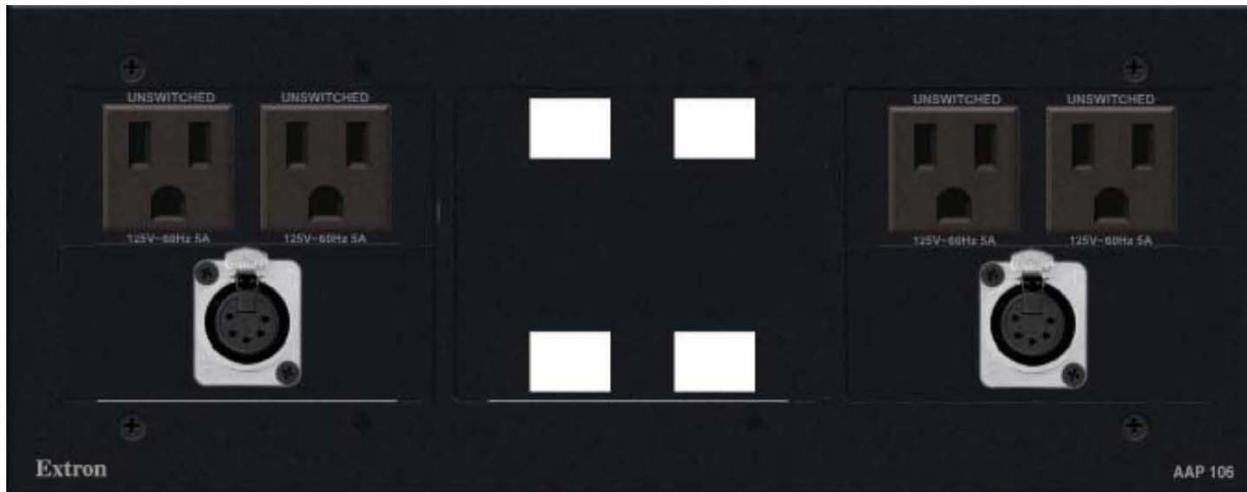


Figure 2—Assemble Conference Table Configuration



Extron AAP 106 Configuration (Eight Required)



Extron AAP 104 Configuration (Six Required)

Figure 3— Power/Data Port Configurations for Modular Furniture



Extron AAP 104 Configuration

Figure 4— Power/Data Port Configuration for Podium