



Unitarian Universalist Society of Sacramento
2425 Sierra Blvd., Sacramento California 95825

November 19, 2007

VISTA UNIVERSAL, INC
2430 AMERICAN AVENUE
HAYWARD, CA 94545

Subject: Request for Information (RFI): Unitarian Universalist Society of Sacramento (UUSS) wiring and lighting project.

UUSS is planning a major overhaul of the lighting systems, electrical wiring, and sound system wiring in its main hall.

UUSS is soliciting letters of interest from interested electrical contractors. The contractor selected will have to design and install a lighting system to meet the project specifications, and install power and sound system wiring in accordance with the specification.

This letter is being sent to contractors on the SMUD "Commercial & Lighting Referral Contractors List and other contractors who have performed satisfactory work for UUSS.

Contractors interested in bidding on this project are invited to attend a bidder's briefing and site inspection at the church on December 7, 2007 at 10:00 AM. Bids will be due two weeks after the bidder's meeting.

We expect the work to be performed in January or February 2008. In general, the contractor will have unrestricted access to the facilities from Monday morning through Friday afternoon. Because the work is to be done in the hall used for worship services on Sunday, the contractor will be required to leave the lighting functional and the hall suitable for occupancy at close of business on Fridays during the work period.

The contractor selected will be required to have a current California contractor's license. The contractor will be responsible for all required building permits and inspections. The contractor must provide evidence of liability and worker's compensation insurance and project bonding.

The contractor is expected to apply for any and all applicable programs with SMUD that might result in project credits or rebates from SMUD.

The criteria to be used for evaluating proposals are, in order of importance:

- Demonstration of the ability to design and implement a successful design, including experience with other similar projects
- Net project cost after rebates
- Environmental sensitivity, particularly the use of low energy consumption for the lighting
- Esthetically pleasing lighting
- Evidence of ability to complete the project on schedule and within budget
- The commercial terms and conditions offered by the bidder

UUSS Auditorium Lighting and Wiring Project Specifications

General: Contractors should bid on each of the phases of the project (Lighting, Power Wiring and Sound System Wiring) individually, showing any discount if a single contract is awarded for all three phases. The option to include a new control panel for the auditorium lighting should be quoted separately.

Lighting Objectives:

1. Provide more uniform and more esthetically pleasing lighting in the UUSS Auditorium.
2. Provide a lighting system which will cost less to operate and require less frequent changing of lamps.
3. Provide better control of light levels.
4. Eliminate noise from the present lamps and ballasts
5. Minimize the number of types of lamps used.
(For information, the present system is 48" T12 fluorescents with Rapid-Start magnetic ballasts in work light fixtures.)

Requirements:

1. All lighting shall utilize energy efficient, long lasting fluorescent lamps.
2. The color temperature of the recommended lamps shall be between 3000K and 3500K. All lamps shall have the same color temperature.
3. The color rendering index of the recommended lamps shall be greater than 80.
4. All ballasts will be electronic ballasts.

Assumptions:

1. The main auditorium lights are turned on twice a day. The lights are usually left on for two or more hours after they are turned on
2. High output "super" T8 lamps with high efficiency ballasts are preferred. Other suggestions will be considered.

Specifications:

1. Illuminate auditorium at the level of 15-20 fc thirty inches above finished floor with all lamps on. The measurement area will include the center of the auditorium floor, the area under the soffits and the alcoves. The uniformity of the illumination shall be 3:1 or better.
2. Design and orient the indirect lighting to minimize shadowing and to illuminate the ceilings between the lighting rings as uniformly as practical. If uniform illumination can be achieved without using all the existing rings, a reduction in the number of illuminated rings is acceptable.
3. Provide individual control of each of the following banks of lights if that bank is included in your proposal:
 - a. Direct lighting
 - b. Indirect lighting at the base of the dome to illuminate the outer ceiling
 - c. Indirect lighting outer ring
 - d. Indirect lighting middle ring
 - e. Indirect lighting inner ring
 - f. Soffit lighting (downward facing)

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- g. Stage lighting (existing)
- 4. Provide light switches for entrance and egress lighting near the east and west entry doors:
- 5. Provide egress lighting per code if soffit lighting is insufficient.
- 6. Provide security lighting with battery backup per code. The battery backup lights do not have to be switchable.
- 7. Provide fluorescent downlighting/wall washing along perimeter soffits in each bay. Downlights in front of doors,-wall washers elsewhere
- 8. Provide fluorescent downlights with wide light distribution in alcoves to replace the existing recessed lights.
- 9. The alcove lights shall be dimmable compact fluorescent lamps.

Optional Alternate Control Panel: Please quote the cost to provide an alternate control panel for the auditorium lighting. The alternate control panel would be located on the auditorium interior wall near the door to the “new” sound room.

AC Power and Sound System wiring:

Requirements:

1. Any existing wiring that is a safety hazard shall be identified and the cost to repair the condition shall be specified. In particular, the installation of switches and outlets to the left of the auditorium main switch box shall be removed.
2. All excess and obsolete wiring created by the project shall be removed by the contractor

Specifications:

1. Install nine new 20 amp circuits:
 - a. Two circuits along each of the soffits in the space between the cantilevered overhang and the auditorium wall. Provide four duplex outlet boxes on ten-foot centers on each side of the auditorium with one outlet per circuit in each box.
 - b. Two circuits for each of the sound rooms. Each circuit shall terminate in one wall mounted quad outlet box. The quad outlets will be on opposite walls of the room. Remove and replace the existing wiring in the “old” sound room as necessary to meet code.
 - c. One circuit for the Music Director’s office with two quad outlets, one on each side of the door
2. Install overhead lighting similar to that used in the alcoves in the “new” sound room. The lights will be controlled by a dimmer switch outside the room.
3. Install overhead lighting similar to that used in the alcoves in the “old” sound room. The lights will be controlled by a dimmer switch inside the room.
4. Install a new switch controlling the overhead lights near the present lighting control panel.
5. Replace the existing electro-mechanical timer/switch for the swamp coolers with an electronic timer/switch. Either a dual control or two single controls is acceptable.

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Sound system wiring:

1. The contractor shall install conduit suitable to contain Class 2 12-gauge speaker wiring from the "old" sound room to
 - a. To the main speaker clusters on the east side of the auditorium
 - b. To the main speaker clusters on the west side of the auditorium
 - c. To an existing electrical box located adjacent to the stage curtain cord, and
 - d. To a new outlet box to be installed in the riser of the bottom step to the west alcove.

Three pairs of 12-gauge speaker wire must go to each of the speaker clusters and one pair to each of the electrical boxes. Samples of the wire will be available.

The conduit shall terminate at the speaker clusters in boxes (a and b) which will accommodate a triple gang wall plate

The conduit shall terminate in the old sound room wiring closet in a wall mounted box which will accommodate eight standard single-gang wall plates

The conduit to the existing electrical box (c) shall terminate in a workman like manner. The existing electrical box may be removed and replaced if appropriate.

The conduit to the new electrical box (d) shall terminate in a workman like manner. The existing electrical box may be removed and replaced if appropriate.

The conduit shall cross the stage above the stage opening replacing existing conduit. Easy access for pulling cables shall be provided on both sides of the stage. The conduit shall be sized to accommodate twice as many wires and cables as are installed initially.

The size and material of the conduit shall be specified in the quote.

Installation of the sound system wires and cables is the responsibility contractor. Termination of the sound system wires and cables is the responsibility of the owner, not the contractor.

2. The contractor shall install conduit for low voltage wiring providing connections from under the stage to the new sound room, between the sound rooms, and to the speaker clusters in each of the lofts. The conduit shall be large enough to accommodate the cable for a 16 pair "snake" which will be available for inspection.

No terminating boxes are required. The end of the conduit shall be furnished with appropriate bushings to protect the wires and cables as they emerge from the conduit.

The conduit shall cross the stage above the stage opening. Easy access for pulling cables shall be provided on both sides of the stage

The conduit shall be oversized so additional microphone cables with XLR connectors

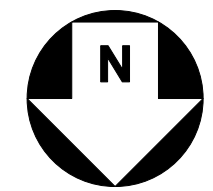
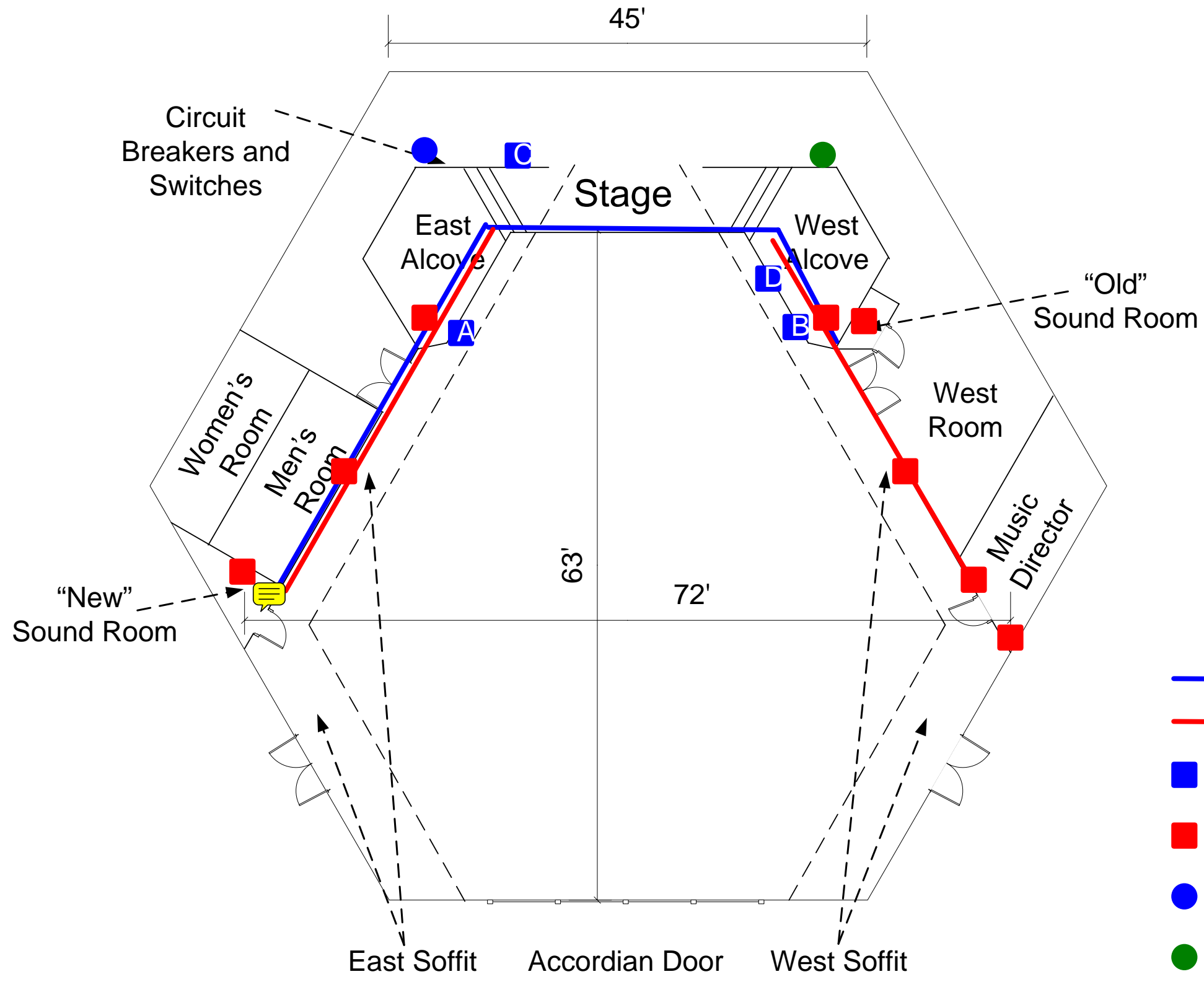
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(approximate diameter .75") can be fished through the conduit.

The size and material of the conduit shall be specified in the quote.

Installation of the sound system wires and cables is the responsibility of the contractor. Termination of the sound system wires and cables is the responsibility of the owner, not the contractor.

3. If local codes permit mixing Class 2 and low voltage wiring in the same conduit, the conduits specified in paragraphs 1 and 2 of this section may be combined into a single conduit.



Unitarian Universalist Society of Sacramento Legend

- Approximate Location of Audio Wiring
- Approximate Location of 120V AC Wiring
- Approximate location of audio connection boxes
- Approximate location of 120 V outlets
- Preferred location for audio conduit from understage to loft
- Alternate location for audio conduit from understage to loft