

NORTHSIDE CHRISTIAN CHURCH



Acoustic Design By:

**The D.H. Kaiser Co.
P.O. Box 21035
Canton, Ohio 44701**

Volume: 158,157 cubic feet

Seating Capacity: 600

Reverberation Time: 1.57 Seconds (500Hz)

Acoustic Function Criteria:

Primary - Worship

7615 Ridge Rd.

Wadsworth, OH 44281

FULL DETAILS, SPECIFICATIONS AND TEST DATA ARE AVAILABLE
CALL D.H. KAISER CO. 330-456-7000 / 1-800-550-7007(OH)

THE ACOUSTIC DESIGN FOR THIS SANCTUARY COMBINED FABRIC WRAPPED FIBERGLASS PANELS ON THE UPPER REAR WALL WITH PAINTED DRYWALL ON THE REAR WALL'S LOWER AREA. THE REAR LOWER CEILING CONSISTS OF 2,275 SQ.FT. OF HUNTER-DOUGLAS "TECH-STYLE" ACOUSTICAL CEILING ALONG WITH AREAS OF STANDARD CEILING DRYWALL. THE ANTICIPATED REVERBERATION TIME AT 500HZ WAS APPROXIMATELY 3 SECONDS. THIS WAS REDUCED TO A CALCULATED TIME OF APPROXIMATELY 1.5 SECONDS. THE PREDICTED TIME OF THIS FREQUENCY WAS TESTED TWO YEARS LATER RESULTING WITH THE PREDICTED, IDEAL, AND TESTED REVERBERATION TIMES ALL TO BE WITHIN 0.1 SECOND OF EACH OTHER. SPEECH CLARITY AT ANY LOCATION WITHIN THE SANCTUARY IS EXCELLENT!

ALSO INCORPORATED AT THE DIAS LEVEL ON BOTH SIDES OF THE ALTAR ARE CONCEALED SUB-WOOFER SPEAKERS USED TO PROJECT THE LOW FREQUENCIES. THE UNIQUE QUALITY FOR THE SPEAKERS IS THE RESONANT CHAMBER DESIGN.

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UN-OCCUPIED - ACOUSTIC COMPARISON

