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VIDEO

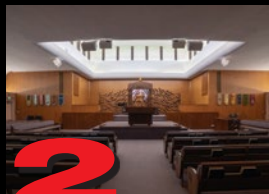
SOUND AND
COMMUNICATIONS
of Northern California

THE VOICE

2018
THIRD
QUARTER

L A T E S T S O U N D & C O M M U N I C A T I O N S T E C H N O L O G Y N E W S

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Lloyd F. McKinney And Associates Installs New Sound System At Temple Israel



Transbay Project Map



McMillan Data Communications Wires Structured Cabling At The Avery

And more...



McMillan Data Communications Wires Structured Cabling For The Avery, A 56-Story Tower In The Transbay Redevelopment Project

McMillan Data Communications is wiring the structured cabling at The Avery, which includes a 56-story residential tower at 422-488 Folsom Street in San Francisco. Completion of construction for the building is scheduled for the spring of 2019.

The Avery, part of a complex that is also known as Transbay Block 8, will offer 548 residential units, with the upper floors featuring 118 luxury view condominiums and the lower floors accommodating 280 luxury apartments and 150 affordable apartments. Transbay Block 8 also includes two mid-rise podium-style buildings.

The ground floor of the tower will feature 17,000 sq. ft. of neighborhood retail space over a three-level subterranean parking structure. The retail space is set around an open public paseo meandering through the site. The Avery's developer is Related California.



The Avery will offer over 548 residential units, with the upper floors featuring 118 luxury view condominiums, and the lower floors accommodating 280 luxury apartments and 150 affordable apartments.

CONTINUED ON PAGE 6



A publication of the National Electrical Contractors Association (NECA) and the International Brotherhood of Electrical Workers (IBEW) of Northern California.

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Lloyd F. McKinney Associates installed a new state-of-the-art sound system at Temple Israel in Stockton.

‘Make A Joyful Noise’: Lloyd F. McKinney And Associates Installs New Sound System At Temple Israel



A Yamaha digital mixer sits on a portable rack, allowing the Temple's audio engineers to easily calibrate the new sound system during performances.



An installed AV panel connects the sanctuary to the control room.

Until Lloyd F. McKinney Associates, Inc. installed a new state-of-the-art sound system at Temple Israel in Stockton, some of the Temple’s older members couldn’t hear all the words of the sermons or the vocal and instrumental music. The old sound system, featuring just two speakers, didn’t distribute sound properly, causing a cone of silence to float down the middle of the sanctuary.

But that is all history. Today, the sanctuary and social hall are retrofitted with new speakers that effortlessly fill the space with sound and make it possible to fully enjoy services and musical events that often include a four to six piece band. An anonymous member of the Temple Israel congregation generously donated the funds for the new sound system.

Lloyd F. McKinney enhanced the sound system by installing a control system, an assisted listening system, and a wireless microphone system with local Wi-Fi control. For the most part the assisted listening system hasn’t been used, because the new sound system is so good.

The sound system is designed by Ian Hunter, Principal and AV consultant with The Shalleck

Collaborative, San Francisco. Installation, overseen by Ty McKinney, Project Manager for Lloyd F. McKinney and Associates, was completed by technicians and installers from the International Brotherhood of Electrical Workers (IBEW) Local 595.

“The old system was insufficient for our current needs,” said Jerome Pier, one of the members of the Temple Israel committee who helped to coordinate the sound retrofit. “It was last upgraded in the mid ‘90s. “Everyone is raving about the new system. We are very happy with the level of professionalism we received.”

The Temple, founded during the Gold Rush era, draws congregants from throughout San Joaquin County and is a member of the The Union for Reform Judaism (URJ). Around 1,000 people belong Temple Israel; the Rabbi is Jason Gwasdoff.

The old sound system included two speakers set on the front wall of the 3,100 sq. ft. sanctuary. The old speakers didn’t adequately cover the space and didn’t distribute sound properly during sermons or musical events.

PHOTO BY SCP DIGITAL



Six speakers and two subwoofers were installed in the sanctuary providing optimal audio coverage of the new sound system.

PHOTO BY SCP DIGITAL



A PA6BT Powered Hot Spot Personal Monitor was installed to provide the Temple's musicians a personal active compact monitor.

PHOTO BY SCP DIGITAL



Twelve JBL pendant speakers were installed on the ceiling in the social hall.

PHOTO BY SCP DIGITAL



Lloyd McKinney Associates Project Team (left to right: Ty McKinney, Project Manager; Tim Osterdock, Senior Technician; Frits Groenhuizen, Systems Engineer

PHOTO BY SCP DIGITAL



A Extron touch-screen provides easy-to-use control over the sound system.

The sanctuary's ceiling is over 14 ft. high (excluding the 30-ft. high light cove, which is a focal point in the space). Collapsing doors open up the sanctuary to the social hall, where social events and small dinners are held. Since the social hall measures 1,600 sq. ft., the combined space can extend to 4,700 sq. ft. when the connecting doors are open.

The new sound system gives Temple Israel the flexibility to work with both of these spaces, and to get sterling sound in either the sanctuary or social hall. Ian Hunter and The Shalleck Collaborative modeled the new system on specific angles so that the sound fills up the space. The new system includes six speakers installed 14 ft. high around the front of the

Lloyd McKinney Associates, Inc. Team List Temple Israel

OWNER:
Temple Israel
Rabbi Jason Gwasdoff
Audio Committee: Lindy Passer; Steve Schermerhorn; Fred Fordis; Trevor Baker; Don Nelson; Mark Valdez; Jerome Pier; Bob Kolber

AV CONSULTANT:
The Shalleck Collaborative, Inc.
Ian Hunter, CTS-D, Principal
Scott Krenzke, CTS, System Engineer

**SOUND SYSTEM INSTALLATION
LLOYD F. MCKINNEY ASSOCIATES, INC.
MANAGEMENT TEAM**
Ty McKinney, CTS, Project Manager
Frits Groenhuizen, Systems Engineer

**SOUND SYSTEM INSTALLERS FROM
INTERNATIONAL BROTHERHOOD OF ELECTRICAL
WORKERS (IBEW) LOCAL 595, DUBLIN**
Tim Osterdock, Senior Technician
Ron Taylor, System Programmer
Matt Givens, Installer
Alfonso Cautiverio, Installer

ELECTRICAL CONTRACTOR:
Collins Electrical Company, Inc., Stockton
Chris Zaro, Service Department Manager

cove; they sit underneath the awning in the sanctuary. Four of the speakers face the audience and two of the speakers face the stage.

Wireless mics that operate the assisted living system are installed up another foot above the speakers in the sanctuary, hidden from sight. Twelve JBL pendant-like speakers with Crown amplifiers hang from the ceiling in the

CONTINUED ON PAGE 8

Transbay Redevelopment Project

McMillan Data Communications Wires



Salesforce Tower

Parcel T 101 First Street - Complete
1.4 million sq. ft. Office
10,600 sq. ft. Retail



Transbay Block 5

250 Howard St. - Under Construction
8,642 sq. ft. Retail



Transbay Block 8

250 Fremont St. - Under Construction
548 Units (151 Affordable)
17,320 sq. ft. Retail



Transbay Block 2

Temporary Transbay Terminal - Proposed
247 Affordable Units

Transbay Park (Block 3)

Temporary Transbay Terminal - Proposed

Transbay Block 4

Temporary Transbay Terminal - Proposed
561 Units (325 Affordable)
10,000 sq. ft. Retail



Transbay Transit Center

200 Folsom St. - Under Construction



Transbay Block 1

160 Folsom St. - Under Construction
393 Units (156 Affordable)
9,332 sq. ft. Retail



Transbay Block 10

Under-Ramp Park - Proposed
2.5 Acres



Transbay Block 6

280 Beale St. - Complete
479 Units (70 Affordable)
2,100 sq. ft. Retail



Transbay Block 11a

25 Essex St. - Complete
120 Affordable Units
3,400 sq. ft. Retail

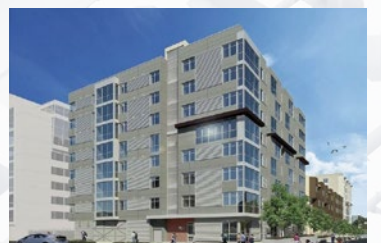
Transbay Block 12

574 Harrison St. - Proposed
80 Affordable Units



Transbay Block 9

500 Folsom St. - Under Construction
545 Units (109 Affordable)
3,730 sq. ft. Retail



Transbay Block 7

255 Fremont St. - Complete
120 Affordable Units

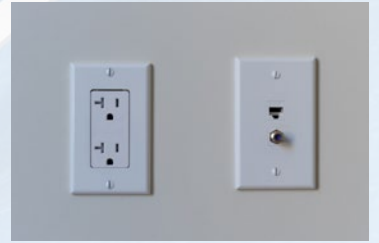
Creates A New “Heart of The City”

Structured Cabling At Transbay Block 8



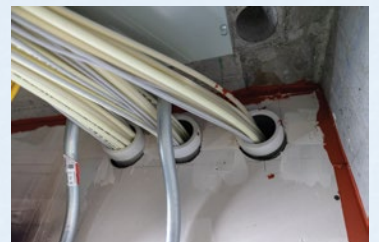
Home Network Control Panels (HNC)

The HNC panels contain horizontal cabling terminations.



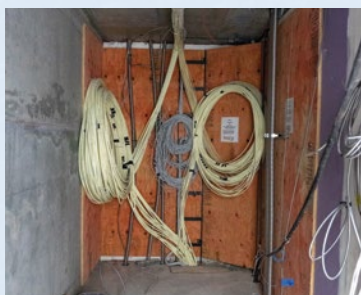
CAT6/RG6

Cabling 978 voice/data connections.



Micro-Conduit

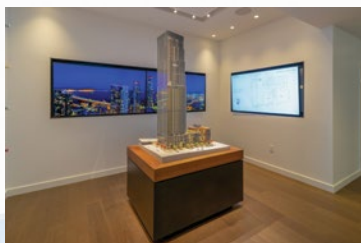
Two microducts, for Comcast and AT&T.



IDF Room

30 IDF rooms.

Horizontal Infrastructure & Copper Backbone Cabling



AV System (Sales Office)

Wireless iPad control; high fidelity sound; high definition video

MPOE

Main Point Of Entry

Transbay Block 8 Fast Facts:

- 118 Luxury View Condominiums
- 280 Luxury Apartments
- 150 Affordable Apartments
- Conference Rooms
- Open Public Paseo
- Community Pool and Gym (7th Floor)
- 17,000 sq. ft. retail space
- Three Level Underground Parking Structure

ILLUSTRATION BY PAICHING WEI | PHOTOS BY SCP DIGITAL

**VOICE
DATA
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PHOTO BY SCP DIGITAL



McMillan Data Communications wired the Transbay Block 8 sales office which includes a cutting-edge AV system with wireless iPad control, high fidelity sound and high definition video.

CONTINUED
FROM PAGE 1

Transbay Block 8 is part of the 40-acre Transbay Redevelopment Project (see illustration pages 4-5) located south of San Francisco's Financial District. It is populated by a number of buildings that will help to meet the City's housing demand, as well as its need for additional office and retail space. It is slated to include more than 4,400 homes and 6 million sq. ft. of commercial space.

The Transbay Redevelopment Project features the Transbay Transit Center, which will be surrounded by residences, offices, retail and parks, and will create a mixed-use, mixed-income community in the 'new heart of the City.' The project is administered by the Office of Community Investment and Infrastructure (OCII) in San Francisco.

McMillan Data Communications began

working on The Avery in December 2017 and is cabling the horizontal infrastructure of the entire tower and the podium (an adjoining mid-rise building), as well as the Transbay Block 8 sales office. The sales office is a tenant improvement build-out with a cutting-edge AV system that includes wireless iPad control, high fidelity sound and high definition video.

McMillan Data Communications is using 130,000 feet of CAT6 cable to wire a total of 1,376 outlets within the project -- 978 voice/data connections in the tower, primarily for residences; 180 in the podium; and 48 in the sales office. There are approximately 18 data outlets per floor.

McMillan Data Communications is installing two microducts, one for Comcast and one for AT&T. The microducts are small plastic conduits that facilitate the installation of fiber optic cable

through the ceilings and walls after construction.

McMillan Data Communications is also installing the coaxial cabling, including one RG6 Coaxial cable and one CAT6 cable per outlet. These terminate in the Home Network Control Panels (HNC) of each apartment. The HNC panels contain all of the horizontal cabling terminations to each outlet as well as service provider connectivity from the IDF closets.

McMillan Data Communications installed the 100 pair copper backbone cabling for the building and wired 30 IDF rooms, bringing the connection from the main point of entry (MPOE) within the building. They wired 100 pair copper backbone cabling from the MPOE to each of the IDFs. Then they installed cabling from each of the IDFs to each of the HNC panels. From the HNC panels, McMillan Data

PHOTO BY SCP DIGITAL



McMillan Data Communications wired a total of 1,376 outlets within the project -- including 48 voice/data connections in the sales office.

PHOTO BY SCP DIGITAL



McMillan Data Communications wired the horizontal CAT6 cabling in the community pool and gym on the 7th floor.



PHOTO BY SCP DIGITAL

McMillan Data Communications is also installing two microducts, one for Comcast and one for AT&T. The microducts are small plastic conduits to install fiber optic cable through the ceilings and walls after construction.

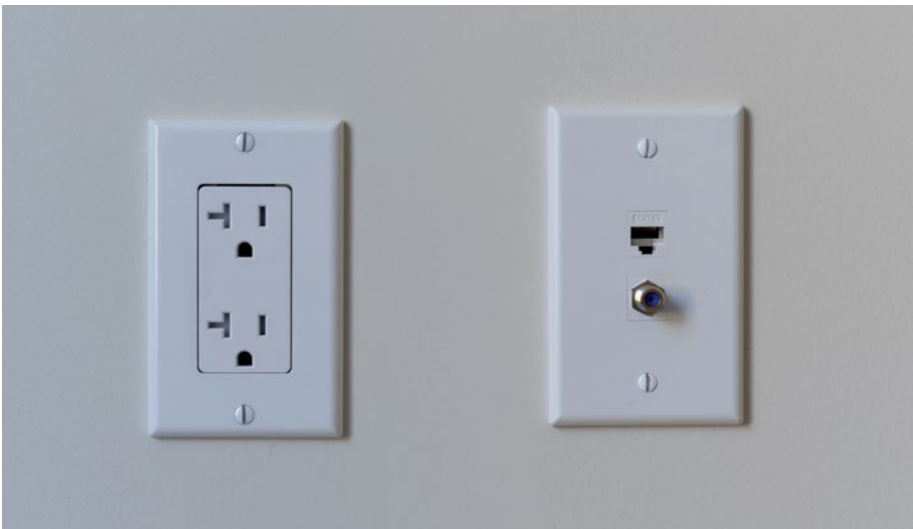


PHOTO BY SCP DIGITAL

McMillan Data Communications installed the coaxial cabling in each apartment, including one RG6 Coaxial cable and one CAT6 cable per outlet.



PHOTO BY SCP DIGITAL

McMillan Data Communications Project Team: BACK ROW: Angel Lopez, Senior Technician; Peter Pinney, Technician; Jeff Thorpe, Technician; Ronald Tercero, Installer; FRONT ROW: Sam Alhomaidi, Apprentice; George Reale, Installer

Communications installed cabling to the outlets, including CAT6 cabling and RG6 cabling.

McMillan Data Communications wired horizontal CAT6 cabling in all the bedrooms and conference rooms, as well as in the community pool and gym on the 7th floor.

McMillan Data Communications is working with 10 technicians from the International Brotherhood of Electrical Workers (IBEW) Local 6 in San Francisco.

Bob Utler, project manager for McMillan Data Communications, said the biggest challenge for the project was getting large deliveries of materials to the site, as the area is very congested and there is no staging area available.

“Sometimes drivers have to circle the block three or four times before they can let one truck in and the other truck out,” he said.

Utler added that the cabling for The Avery is future proofed through the installation of a micro duct (empty conduit) for service providers, so that they can upgrade fiber later if needed.

The Avery was designed by Rem Koolhaas’ Office of Metropolitan Architecture (OMA-NY), partnering with the San Francisco architecture firm of Fougerson Architecture, who designed the lower podium buildings of the development. Webcor is the General Contractor.

McMillan Data Communications (www.mcmillanco.com) is headquartered in San Francisco and provides a wide range of electrical services including electrical, data communications, security systems and audio visual integration. Jim Murray, Managing Partner, Structured Cabling, can be reached at (415) 826-5100, or email at jmurray@mcmillanco.com.

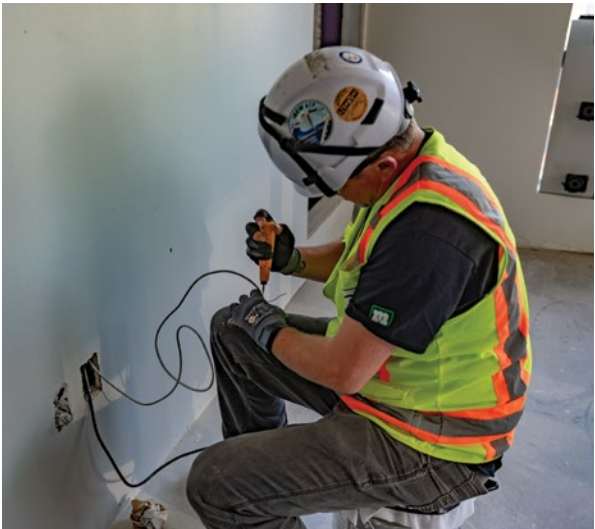


PHOTO BY SCP DIGITAL

From the Home Network Control (HNC) panels, McMillan Data Communications installed cabling to the outlets, including CAT6 cabling and RG6 cabling.



PHOTO BY SCP DIGITAL

McMillan Data Communications installed a total of 30 IDF rooms and brought the connection from the main point of entry (MPOE) within the building.

McMillan Data Communications Team List The Avery (Transbay Block 8)

OWNER:

T8 Urban Housing Associates LLC, San Francisco
T8 Housing Partners, L. P., San Francisco

DEVELOPER:

Related California, San Francisco

ARCHITECT:

REM Koolhaas’ Office of Metropolitan Architecture, New York
OMA-NY and Fougerson Architecture, San Francisco

INTERIOR DESIGN:

Clodagh Design, New York

GENERAL CONTRACTOR:

Webcor, San Francisco

STRUCTURED CABLING:

McMillan Data Communications, San Francisco

INSTALLER-TECHNICIANS:

IBEW Brotherhood of Electrical Workers Local 6, San Francisco

MANAGER, AFFORDABLE HOUSING:

Tenderloin Neighborhood Development Corporation, San Francisco

TRANSBAY REDEVELOPMENT PROJECT ADMINISTRATOR:

Office of Community Investment and Infrastructure (OCII), San Francisco



PHOTO BY SCP DIGITAL

Twelve JBL pendant speakers were installed on the ceiling in the social hall.

CONTINUED FROM PAGE 3 » adjoining social hall.

Subwoofers are mounted on either side of the sanctuary, in the storage area near the light cove. These are accessible through a crawl space and occupy an existing vent panel that allows for sound to permeate the surrounding area.

The adjoining control room holds JBL and Yamaha audio reinforcement systems; power conditioners are used to clean up excess noise. In the sanctuary/social hall, a digital mixer sits on a portable rack. It can be rolled around and connected when needed. A touch-screen based Extron control system in the sanctuary provides commands to the sound system and an iPad offers another layer of control. There are 16 channels of wireless microphones.

“We basically wanted to get good intelligibility for everyone in the room,” says McKinney. “We installed a system that matched the performance needs with their budget.”

“It’s a state-of-the-art sound system,” said Jerome Pier. “It’s budget oriented. It was a retrofit so we had to be really creative about how we installed it. It was installed very well by the technicians and it looks really good.”

Lloyd F. McKinney Associates, Inc.
(www.mckinneyassoc.com) is headquartered in Hayward and provides sound and communications services to commercial clients, specializing in sound and audio visual systems. Project Manager Ty McKinney can be reached at (510) 783-8043, or email at ty.mckinney@mckinneyassoc.com.



PHOTO BY SCP DIGITAL

The adjoining control room holds JBL and Yamaha audio reinforcement systems; power conditioners are used to clean up excess noise.

Union Contractors (IBEW/NECA) in Sound & Communications combine a skilled and trained work force with world class technology. For the best installations in voice/data/cabling, network systems, data center facilities, audio/video systems, sound systems, fiber optics, wireless, security systems, fire/life safety systems and CATV, call a union contractor or visit www.norcalvdv.org.

