

EXECUTIVE SUMMARY

A Design Advisory Team (DAT) was formed consisting of Whittier International School staff and parents. During the first DAT meetings, the needs and desires of the staff and parents were compared to the Educational Facilities Master Plan and bond package prepared and funded by the District. Several floor plan options were presented and it was decided by the DAT to proceed with two additions.

Due to strong DAT input one addition adds a cafeteria and relocates the kitchen to address the scheduling conflicts between the gym and cafeteria. This addition also adds small group rooms to the IMC, student toilet rooms, and provides a new platform which serves as the music classroom. The existing platform will be converted to gym space. Renovation of the current faculty lounge, toilet rooms and classroom space will allow the administration area to be consolidated adjacent to the main entry.

The second addition adds an art suite, kindergarten and computer classrooms with kindergarten toilet rooms.

Built in 1882, Whittier International School is a designated Historic Landmark, Colorado's oldest continuously operating school. A subsequent historic addition was constructed in 1916, and major additions added in 1950 and 1984. The site is located on a small building site bounded by residential properties. The site constrictions and the historic façade informed the team on the building expansion. The playground and fields located to the east will require careful design to improve site drainage, irrigation and efficient use of space to meet program.

Whittier is the only primary International Baccalaureate School in the district. A student population of 323 is funded for this facility.

NARRATIVES

ARCHITECTURAL

Existing Building History and Assessment

The original building was constructed in 1882. The three story addition to the east was constructed in 1916 adding classrooms and support space. A 1950 classroom addition was constructed that included a gymnasium, with a subsequent addition in 1976 that added gym and building storage. A new IMC was added in 1984 to bring the building to its current size of about 35,123 square feet. In 1987 the original fire protection (sprinkler system) was added. In 1991 the electrical service was upgraded and electrical upgrades made in 1993. Between 1994 and 1996 HVAC and lighting controls (occupancy sensors) were added. The boiler was replaced in 1999. The fire alarm system was installed in 2001. The roof was replaced in 1995 and a window replacement project was completed in 1997.

The building was assessed by the District and the existing spaces in the building were compared to the current District Educational Specifications & Bond Facilities Master Plan. It was found that the building lacked adequate space for: staff offices and meeting spaces, kindergarten, art, music, gym and storage, group instructional spaces, kitchen improvements and IT/security upgrades.

Addition Summary

Music, Cafeteria and Kitchen: The addition to the northeast will include a music classroom that serves as a platform for performance and assemblies by connection to the Gym. An operable partition will be provided to separate the gym and music classroom. Chair storage below the platform will be provided to increase building storage.

A cafeteria with a new kitchen is located adjacent to the playground and fields. It is intended that the kitchen will be serviced by asphalt play surfaces to the east. Gym storage has been added within the new addition.

Support spaces, student toilets and new group instructional spaces are included in this addition. To provide flexibility the group instructional spaces have operable partitions.

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Kindergarten, Art, Computer Classroom: A classroom addition to the east adds a kindergarten classroom with appropriate size toilets to serve the kindergarten program. The kindergarten classroom will include a teacher workroom with storage, group room, and casework within the classroom space.

A new art suite includes a kiln room, storage for 3 D projects and art storage. Casework for student art work and supplies along with base cabinets with sinks are provided per the educational guidelines.

The DAT determined that a computer lab separate from the IMC and close to art and kindergarten classrooms was preferable. A 30 station computer classroom is part of the east addition.

Renovation Summary

Basement: No renovations are anticipated other than openings to accommodate the elevator, and provide windows between the computer classroom and adjacent classroom.

First Floor Renovations:

Administrative Office Area: The existing staff lounge, group toilet rooms and a classroom are being completely renovated to provide administrative offices on the same level as the main entry off of Pine Street. The DAT indicated that the workroom located in the IMC was sufficient for the staff and allows for a separate staff lounge. The renovated office area does not provide a window of the main entry in the principal's office.

Classroom, Group Offices: A renovation of the existing administrative office on the first floor of the 1916 building provides a classroom and group offices. The IT room has been relocated in this scheme.

Second Floor: No renovations are anticipated other than openings to accommodate the elevator.

Accessibility

Accessibility issues have been addressed by providing a lift between the main entry level and the first floor of the 1916 building. In addition, the school district made a decision to add an elevator to the historic building that will allow ADA access to all floors of the building.

Sustainability Goals

The most sustainable aspect of this project is the re-use of the existing building. The historic windows provide an abundance of day lighting.

The construction waste from demolition activities should be recycled where possible. Asphalt, concrete, masonry, wood framing, gypsum board, metal frames, glass, ceiling tiles, and carpeting should be separated for recycling.

New materials will have recycled content and will be low VOC emitting where possible. Metal framing, wall tile, floor tile, gypsum board, steel and aluminum frames, glass, ceiling tiles, casework, and carpeting are items that could be specified with recycled content. Casework, paint, furniture, and carpeting are items that could be specified as low VOC emitting.

Energy efficient lighting and mechanical systems will be utilized for the project additions. The use of controls to turn off lights and reduce mechanical demand when rooms are unoccupied will also be utilized. Low water consumption plumbing fixtures will also be utilized.

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