

**NEW CLASSROOM IDEA . . .** New type of steel buildings which architects and engineers believe holds a quick and economical solution to the classroom shortage was demonstrated to representatives from throughout Southern California and Nevada school systems Tuesday at Cathedral

City. The one-story, all-steel addition was developed by the Calcor Corp. of Los Angeles. Building can be erected in 90 days and can be easily enlarged or relocated as desired.

**GRAPE STATE**

California produces about 94 per cent of the nation's total supply of grapes, about 100 per cent of its raisins, and an estimated 90 per cent of the domestic wine supply.

**School Officials Witness New Modular Construction Methods**

Representatives from school districts throughout southern California and Nevada met in Cathedral City Tuesday to inspect a new type of steel building which architects and

engineers believe holds a quick and economical solution to the classroom shortage. Co-sponsored by the Palm Springs Unified School District and the Chambers of

Commerce of Palm Springs and Cathedral City, the all-day open house at the new Cathedral City school addition was scheduled to introduce the modular all-steel constructed classroom units to educators who have expressed a growing interest in the functional, economic structures, according to Dr. Wallace R. Muelder, superintendent.

**Local Official Attends**  
School officials participating included James E. Crockett, director of new construction, Torrance Unified Schools. Others taking part in the ceremony included Roy Donley, Los Angeles architect, and J. E. Mattos, M. E. Archer, and J. V. Schwafel of U. S. Steel.

The one-story addition to the existing school site consists of two classrooms, each capable of accommodating 35 students. Though the standard classroom unit is 28 feet wide by 32 feet long, an 8-foot module allows flexibility in the arrangement of doors and windows, Bernard Perlin, vice president of Calcor Corp. of Los Angeles, developer of the new type of modular all-steel construction, said.

**Changes Easy**  
"Because of the flexibility of this type of construction, classroom lengths may be varied by four or eight feet with only minor changes in the framing system," Perlin declared.

"Thus, design flexibility is maintained despite the standardization which makes possible the low construction cost."

He pointed out that prefabricated steel framing, roof decking and insulated panels are combined in modular all-steel classrooms. This type of structure can be assembled in 90 days, at a reduced cost, Perlin said.

**Can Be Moved**  
"Though permanent and durable, modular all-steel classrooms are built as separate, integral units and can be easily lifted from their foundations and relocated as required."

The modular construction system is general enough to permit wide variation in architectural features, according to Don A. Wexler, of Wexler and Harrison, Palm Springs architectural firm which designed the new school addition.

The structure incorporates a curtain-type steel wall panel developed by Calcor Corp. after several years of research, development, and experimentation. The double-wall panel consists of insulated inner and outer layers which combine to form a 3 1/2-inch wall equal in insulating value to a 12-inch masonry wall, Mr. Perlin said.

Sheet and structural steel for the building was produced by U. S. Steel's Columbia-Geneva Steel Division.

The exterior surface is a heavy gage galvanized sheet with stiffeners at 16-inch centers, with the interior surface a lighter gage sheet with interlocking joints at 32-inch centers. The two panels are joined by screws at the stiffeners.

**Sound-Proofed**  
For sound-proofing and thermal insulation, a 1/2-inch thickness of gypsum board is attached to the interior sheet and a 1-inch thick layer of fiberglass material is attached to the exterior sheet.

After assembly, the insulat-

ing materials become the core of a sandwich panel. The roof is a standing seam steel deck with interlocking ribs on 16-inch centers and a 12-foot clear span. The ceiling is of fiberglass acoustical board suspended from the decking.

Sound absorption and thermal insulation are provided for by an air space ventilated by wall louvers and roof ventilators, and by a coating of aluminum asbestos on the topside of the roof.

**Assembly Line**  
Framing members, roof decking and wall panel components were shop fabricated in Los

**Optimists to Learn About Black Light**

Members of the Torrance Optimist Club will learn about "Black Light and Florescent Minerals" at their meeting on Monday, at 7 p.m., at the Palms Restaurant.

The speaker will be J. A. Beasley, of 24240 Ocean Ave., president of the Los Angeles Mineralogical Society.

Beasley will present a display of florescent minerals from zinc mines in New Jersey and will demonstrate how black light is used in industry and for criminal investigation.

The Mineralogical Society, which recently elected Beasley to a second term as president, is 35 years old and is composed of a group of 365 professional men, scientists, and lay persons from throughout southern California.

**Nine Cases of Disease Reported in This Area**

Only nine cases of disease were reported in the Torrance Health Area for the week ending Feb. 1, according to the County Health Department.

Afflictions included two cases each of measles, scarlet fever, and tuberculosis, and one case each of amebiasis, hepatitis, and whooping cough.

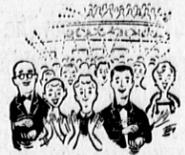
Angeles by Calcor under assembly line conditions, Perlin said.

After the concrete slab is poured and cured, the structural columns, door frames, roof beams and purlins are bolted into place, and the roof decking and exterior surfaces of the wall panels attached to the frame.

Electrical, heating and plumbing conduit and piping is then placed within the wall panels where required, and the interior panels are attached to complete the structure.

**GARDENERS CHECKLIST**

1. This is the best time for bare root planting unless you live in the mountains. Take advantage of the lower cost of bare root plants over container grown stock by planting now.
2. Prepare ground now if you intend to plant a new lawn next month.
3. If your soil resists cultivation, consult your local nurseryman for his recommendation concerning one of the excellent chemical soil conditioners now on the market.
4. Aerate existing lawn areas if drainage during the rainy season has been poor.
5. Check tuberous begonias in storage. If small pink shoots are showing it is time to plant the tubers.



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