

CITY COUNCIL MEETING
AUGUST 1, 1984

CC 20
CC 47

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HALE PARK AIR-
CONDITIONING
SYSTEM SPECS
APPROVED

Following introduction of the matter by City Manager Graves, Council, on motion of Council Member Olson, Reid second, approved the specifications for air-conditioning system-Hale Park Building, and authorized the advertising for bids thereon.

COUNCIL COMMUNICATION

TO THE CITY COUNCIL
FROM THE CITY MANAGER'S OFFICE

DATE 7/25/84

NO.

SUBJECT Air-Conditioning System - Hale Park Building

I would appreciate this item being put on the August 1 Council Agenda and that the specifications and drawings be adopted at that time. Hopefully, we will then be able to get sufficient bidders so that this item can then be put on the August 15 Council Agenda and bids can be awarded.

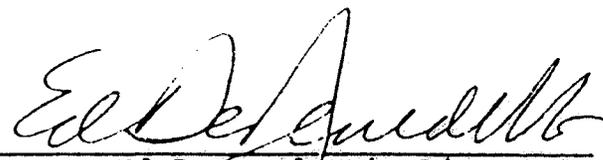
The specifications and drawings were prepared by Alex Scheflo, a licensed engineer in the field of air conditioning, and certain other plans and drawings were prepared by Wayne West, also a professional and structural engineer.

Mr. Scheflo has included in his fee of \$2,500.00 the specifications and drawings, as well as supervision during the installation. He estimates that the \$50,000.00 allotted for this job should take care of the cost, including his fee; however, because Hale Park Building is below standard electrically, work will have to be done by the Utilities Department to bring this portion of it up to standard and their estimate is \$3,000.00. Consequently, the completed job is estimated to cost \$53,000.00.

The air conditioning will be adequate based on Mr. Scheflo's specifications to handle the main hall, but this does not include the side rooms. The air conditioners, two 15-ton units mounted on the south side of the building, will handle normal heat loads and spectator loads. The cooling section is for the required capacity and CFM air delivery as shown on the plan, with the return air at a temperature of 80 degrees Db and 64 degrees Wb and outdoor air temperature of 105 degrees Db.

Based on these figures we anticipate that these units should do a good job for this building, even with a capacity crowd of 400 people. Mr. Scheflo is considered one of the better air conditioning engineers in the area.

Hopefully, there will be some good action on this project and the bids will come in at, or under, Mr. Scheflo's estimate.

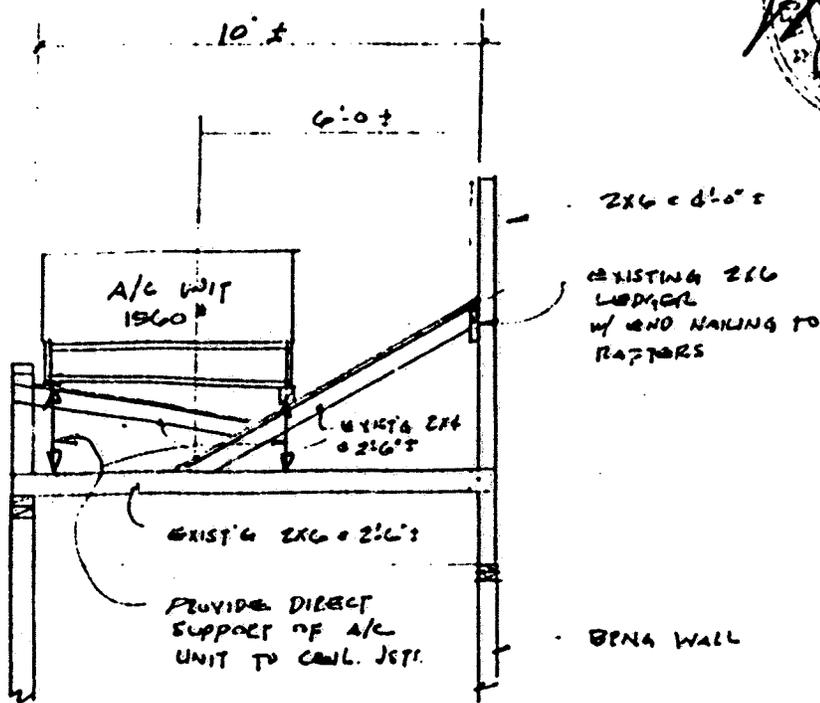

Ed DeBenedetti, Director
Recreation and Parks

ED:jd

HALE PARK
LODI, CALIF.

4571
3-16-84
M.M.

FRONT VIEW EXISTING ROOF FRAMING
FOR SUPPORT OF NEW A/C EQUIPMENT



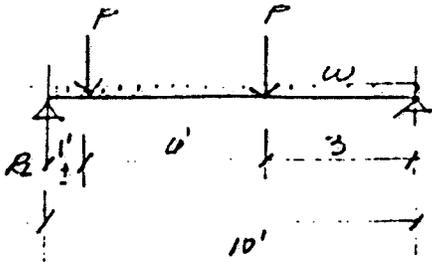
ROOF LOADS:

- roofing = 3.0 PSF
- plynd = 1.5
- joists = 1.0
- insul = 0.5
- DC = 6.0 PSF
- LL = 20 PSF

REGISTERED PROFESSIONAL ENGINEER
MATTHEW WEST
NO. 6-2110
STATE OF CALIFORNIA

JOISTS DESIGN

#4571
LLM
5/92



$$w = (6 + 20)(2.5) = 65 \text{ PLF}$$

$$P = 1560/4 = 390^*$$

$$R_L = (65)(10)/2 = 325$$

$$+ (390)(\frac{4}{10}) = 351$$

$$+ (390)(\frac{3}{10}) = \frac{117}{799}$$

$$M_{\text{span}} = (799)(10/2) = 3965$$

$$- (390)(4) = -1560$$

$$- (65)(5)^2/2 = -813$$

$$\hline 1592$$

$$A_{\text{reqd}} = 799(16)/95 = 17.52 \text{ in}^2$$

$$S_{\text{reqd}} = 1592(12)/1500 = 12.75 \text{ in}^3$$

USE 2- 8x6 JOIST (MIN) @
BA. POINT OF CONC. LOAD

$$A_{\text{TOTAL}} = 8.25 \times 2 = 16.5 \text{ in}^2$$

$$S_{\text{TOT}} = 756 \times 2 = 15.12 \text{ in}^3$$