

FKP Architects

ARCHITECT OF RECORD

*Architect of Record signature line only; this drawing was not prepared under the direct supervision of the Architect of Record. The direct responsibility for preparation of this sheet lies with its corresponding professional stamp and signature. The signature of the Architect of Record in general responsible drawings of the project is provided as required by Title 24, Part 1, Section 7-115 (a)7.

ARCHITECT - PAUL C. GLORIOT

CONSULTANT

T M A D
TAYLOR
& GAINES

- STRUCTURAL
- MECHANICAL
- ELECTRICAL
- CIVIL

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REVISIONS

APPROVAL



REVIEWED IN ACCORDANCE WITH
THE REQUIREMENTS OF T24, O2R
APPROVED

JAN 28 2010

Office of Statewide Health
Planning & Development
FACILITIES DEVELOPMENT DIVISION

PROJECT NAME

CHILDREN'S HOSPITAL
OF ORANGE COUNTY

455 S. Main St.
Orange, CA 92868-3874

TOWER II



PROJECT NUMBER

12011.00
Increment #7

OSHPD - PROJECT NUMBER
IL 072072-30

ISSUE

OSHPD PERMIT

DATE

01/27/2010

SCALE

1" = 20' - 0"

DRAWING TITLE

LEVEL 7 COMPOSITE
MECHANICAL PLAN
AND AIR BALANCE
TABLE

DRAWING NUMBER

M1.70

LEVEL 7 COMPOSITE MECHANICAL PLAN

ROOM AIR BALANCE TABLE - TOWER II - SEVENTH FLOOR SOUTH

| ROOM NUMBER/NAME | ROOM AREA (FT.) ² | CEILING HEIGHT (FT.) | CMC | | PRESSURE +/- | OSA AC/HR | SUPPLY CFM | RETURN CFM | EXHAUST CFM | INFILTRATION CFM | EXFILTRATION CFM |
|-----------------------------|-------------------------------|-----------------------|--------|------------------------|--------------|-----------|------------|------------|-------------|------------------|------------------|
| | | | AC/HR. | REQUIRED SUPPLY AC/HR. | | | | | | | |
| 7.125 ELECTRICAL ROOM | 84 | 9 | 4 | 50 | E | 24 | 1,000 | 1000 | 0 | 0 | 0 |
| 7.121.01 IS ROOM | 120 | 9 | 4 | 72 | E | 21 | 1,250 | 1250 | 0 | 0 | 0 |
| 7.020 STORAGE GENERAL | 293 | 9 | 4 | 176 | E | 2 | 600 | 600 | 0 | 0 | 0 |
| SHELL SPACE FOR THE LEVEL 7 | 12115 | 9 | 6 | 10,904 | E | 2 | 15,000 | 9000 | 6,000 | 0 | 0 |

ROOM AIR BALANCE TABLE - TOWER II - SEVENTH FLOOR NORTH

| ROOM NUMBER/NAME | ROOM AREA (FT.) ² | CEILING HEIGHT (FT.) | CMC | | PRESSURE +/- | OSA AC/HR | SUPPLY CFM | RETURN CFM | EXHAUST CFM | INFILTRATION CFM | EXFILTRATION CFM |
|--|-------------------------------|-----------------------|--------|------------------------|--------------|-----------|------------|------------|-------------|------------------|------------------|
| | | | AC/HR. | REQUIRED SUPPLY AC/HR. | | | | | | | |
| 7.000.00L PUBLIC ELEVATOR LOBBY | 451 | 9 | 4 | 271 | E | 4 | 800 | 800 | 0 | 0 | 0 |
| 7.081.00L PATIENT / STAFF ELEVATOR LOBBY | 411 | 9 | 4 | 247 | E | 2 | 500 | 0 | 500 | 0 | 0 |
| 7.073.00.C & 7.079.00.C CORRIDOR | 1714 | 9 | 4 | 1,028 | E | 1 | 1,200 | 1,200 | 0 | 0 | 0 |
| 7.003 SHELL SPACE | 134 | 9 | 6 | 121 | E | 2 | 200 | 200 | 0 | 0 | 0 |
| 7.139 ELECTRICAL ROOM | 108 | 9 | 4 | 65 | E | 19 | 1,000 | 1000 | 0 | 0 | 0 |
| 7.103.02 IS ROOM | 120 | 9 | 4 | 72 | E | 21 | 1,250 | 1250 | 0 | 0 | 0 |
| 7.001 STORAGE | 420 | 9 | 4 | 252 | E | 2 | 500 | 0 | 500 | 0 | 0 |
| SHELL SPACE FOR THE LEVEL 7 | 11245 | 9 | 2 | 3,374 | E | 2 | 14,000 | 8500 | 5,500 | 0 | 0 |

ROOM AIR BALANCE TABLE - TOWER II LEVEL 7

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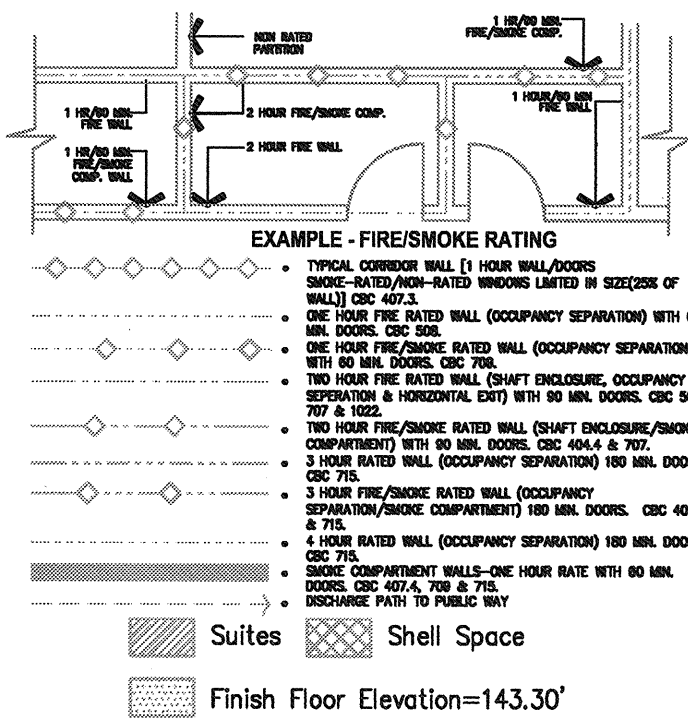
2

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SCALE 1
NONE

SCALE 2
NONE

A1 Key Plan
N.T.S.



EXAMPLE - FIRE/SMOKE RATING
1. 1 HOUR FIRE RATED WALL (FIRE RATED WALL) OCCUPANCY SEPARATION WITH NO DOORS OR OPENINGS.
2. 1 HOUR FIRE RATED WALL (FIRE RATED WALL) OCCUPANCY SEPARATION WITH DOORS OR OPENINGS.
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