

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 for the project is provided as required by Title 24, Part 12, Section 7-115 (a)(7).

ARCHITECT - PAUL C. GLORIO

CONSULTANT

T M A D
TAYLOR
& GAINES

• STRUCTURAL
• MECHANICAL
• ELECTRICAL
• CIVIL

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Project No. 2305-163-07



REVISIONS

APPROVAL



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

1/4"=1'-0"

DRAWING TITLE

BASEMENT DEMOLITION
PLAN AREA - R

DRAWING NUMBER

M2.0R

DESIGN KEY NOTES

PHASE I

1. INSTALL THE NEW CHILLED WATER PLANT ON THE ROOF OF THE NEW TOWER.
2. SERVE CHOC NORTH, CHOC WEST AND RESEARCH BUILDING FROM THE NEW CHILLED WATER PLANT.
3. REMOVE EXISTING CHILLERS, CHILLED WATER PUMPS AND CONDENSER WATER PUMPS LOCATED IN THE BASEMENT OF CHOC NORTH TOWER.
4. REMOVE EXISTING SECONDARY CHILLED WATER PUMPS SERVING THE CHOC NORTH TOWER LOCATED IN THE PENTHOUSE.
5. REMOVE THE EXISTING SECONDARY CHILLED WATER PUMPS SERVING THE CHOC WEST AND RESEARCH BUILDINGS LOCATED IN THE BASEMENT OF CHOC WEST BUILDING.
6. REMOVE THE EXISTING COOLING TOWERS LOCATED ON THE ROOF OF CHOC NORTH TOWER.

PHASE II

1. INSTALL ONE NEW 400 BHP BOILER, A NEW DEAERATOR AND A NEW PRV STATION NO. 2..
2. INSTALL THREE BOILER FLUES.
3. INSTALL A NEW BLOW DOWN TANK.
4. BACK FEED THE EXISTING STEAM HEADER FROM THE NEW PRV STATION NO. 2..
5. REROUTE THE EXISTING CONDENSATE RETURN PIPES TO THE NEW DEAERATOR. REPLACE EXISTING CONDENSATE RETURN PUMPS WITH A NEW ONE TO FEED THE NEW DA TANK IF THE EXISTING PUMP HEADS ARE NOT SUFFICIENT.
6. INSTALL A NEW PRV STATION NO. 1 TO SERVE THE NEW TOWER II.

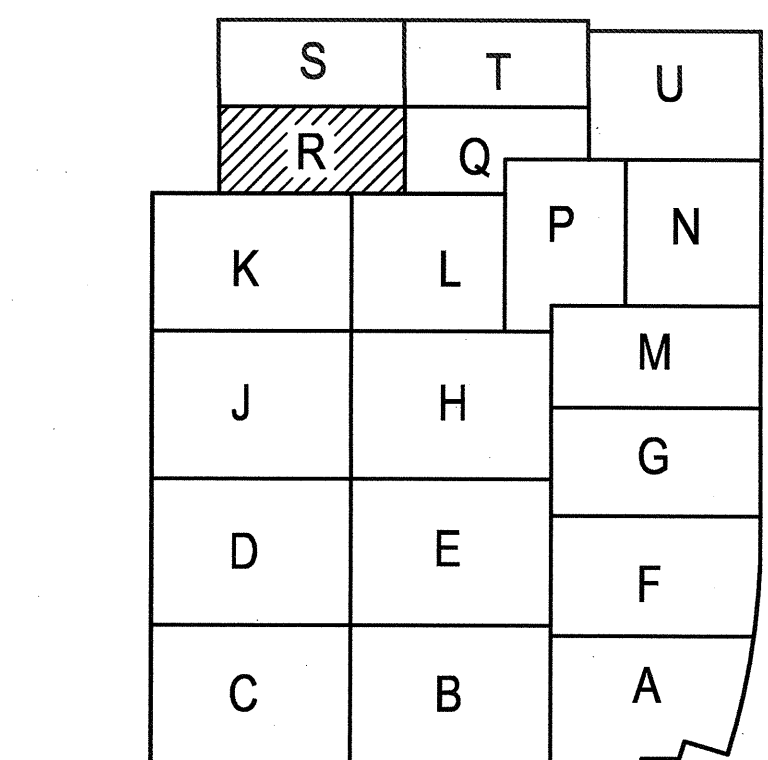
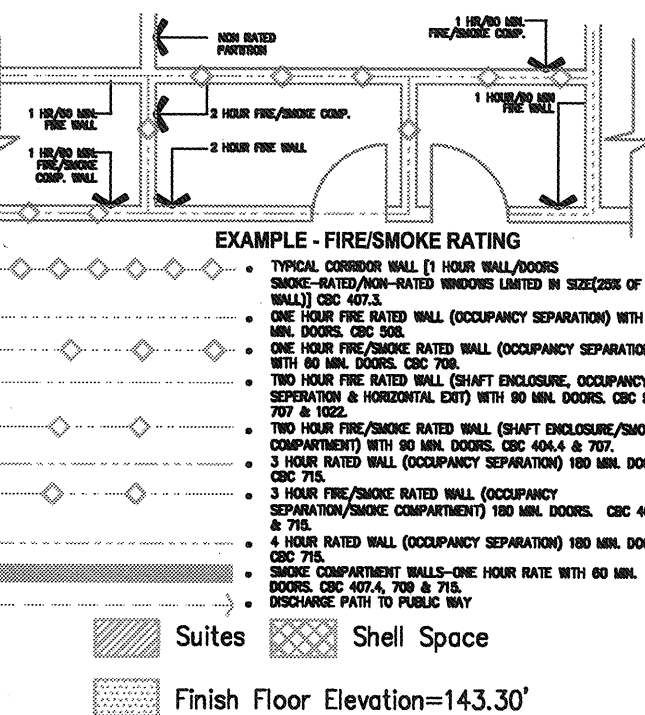
PHASE III

1. REMOVE EXISTING BOILERS (BOILER 2 AND 3)
2. INSTALL THE SECOND NEW 400 BHP BOILER, AND EXTEND THE HIGH PRESSURE STEAM HEADER TO SERVE THE NEW BOILER.

PHASE IV

1. REMOVE EXISTING BOILER FEED WATER SYSTEM.
2. REMOVE EXISTING BOILER NO. 1.
3. REMOVE EXISTING BOILER FLUE UP TO ROOF OF THE NORTH TOWER.
4. INSTALL THE THIRD NEW 400 BHP BOILER.
5. ADD A NEW OFFICE FOR THE BOILER ROOM.

SEE M2 SERIES FOR PROJECT
BOILER & CHILLER ROOMS
PHASING PLAN.



(A1) Key Plan
N.T.S.

KEY PLAN

BASEMENT DEMOLITION PLAN - AREA R