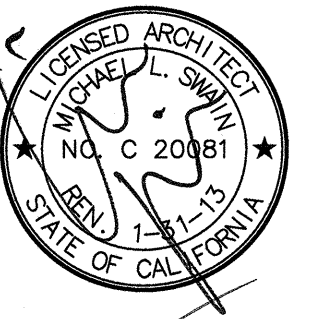


FKP Architects

ARCHITECT OF RECORD
Paul C. Gloriot



Changes on these drawings do not consist of
materially altered drawings to approved drawings
and don't require a change order.
OSHPD review ACO
OSHPD review FLSO
OSHPD review DSE

REVISIONS
08/08/11 CO #135

APPROVAL
Office of Statewide Health
Planning & Development
REVIEWED IN ACCORDANCE WITH
THE REQUIREMENTS OF FKA, DCR
ADDENDUM

CHANGE ORDER 135
INSTRUCTION BULLETIN
DEFERRED APPROVAL

PROJECT NAME
**CHILDREN'S HOSPITAL
OF ORANGE COUNTY**
455 S. Main St.
Orange, CA 92668-3874

TOWER II RECEIVED
SEPT. 21 2011
McCARTHY

CHOC
HOSPITAL

PROJECT NUMBER
**12011.00
Increment #7**

OSHPD - PROJECT NUMBER
IL 072072-30

ISSUE
OSHPD PERMIT

DATE
01/27/2010

SCALE

1/16" = 1' - 0"

DRAWING TITLE

**LEVEL 3 LIFE SAFETY
PLAN-A**

DRAWING NUMBER

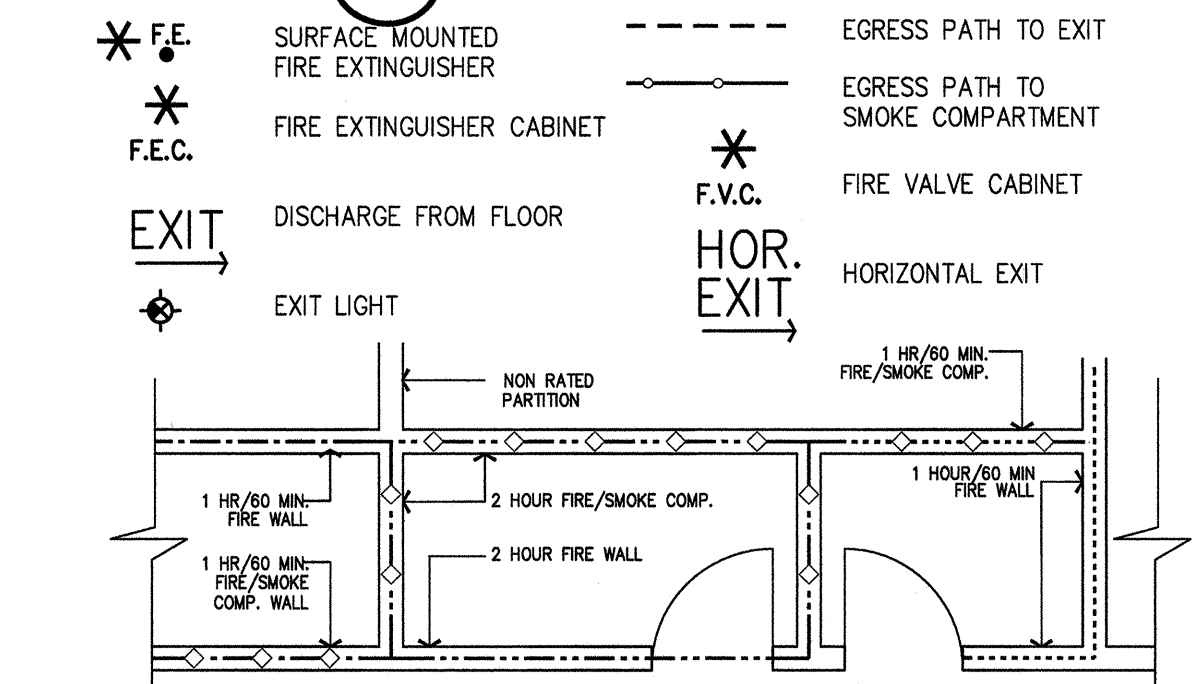
AC2.3A

- Line of 8' corridor clearance.
- Provide exit lights corridor with breakthrough timing.
- Ward door opening, 1 Hour Fire/Smoke. Provide release panels at each elevator opening.

E2 NOTES TO SHEET

- INFORMATION SHOWN OR REFERENCED ON ENLARGED AND/OR 1/4" SCALE DRAWINGS WILL GENERALLY NOT BE SHOWN ON THE SMALLER SCALE DRAWINGS.
- PURPOSE OF THESE DRAWINGS IS TO SHOW OVERALL BUILDING PLAN ORIENTATION, SMOKE COMPARTMENTS, SUITED AREAS, FIRE EXTINGUISHER CABINET LOCATIONS, PROPOSED GENERAL EXIT SIGNS FOR EGRESS ROUTING, EGRESS DISTANCES, WARD CASE TO STAIRS OR HORIZONTAL EXIT, FIRE WALLS, OCCUPANT LOADINGS, EXIT CALCULATIONS AND AREAS OF REFUGE CALCULATIONS.
- FIRE/SMOKE GRAPHICS LEGEND IS THE SAME FOR ALL PLAN SHEETS IN THE SET. TYPICAL CORRIDOR WALL RATING INDICATES MINIMUM ONE HOUR CORRIDOR WALLS, UNLESS OTHER NOTED TO BE HIGHER RATED RESTRICTIONS. ALL DOORS IN TYPICAL CORRIDORS ARE NOT RATED. ALL WINDOWS IN TYPICAL CORRIDORS ARE NOT RATED, BUT LIMITED TO 25% OF THE INTERIOR SPACE FACING THE CORRIDOR WALL.
- SHELLED SPACE IS NOT FOR HOSPITAL USE UNTIL PROPOSED LAYOUT IS REVIEWED AND APPROVED BY OSHPD.
- IT IS THE INTENT THAT MATERIALS LISTED IN FIRE RATED DESIGNS IN THE DRAWINGS MATCH THOSE PRODUCTS INCLUDED IN THE PROJECT MANUAL (SPECIFICATIONS). SUBMITTAL OF MANUFACTURER'S PRODUCTS LISTED IN THE FIRE RESISTANT RATING TEST, BUT NOT SPECIFIED IN THE PROJECT MANUAL, WILL BE SUBJECT TO REJECTION. THIS INCLUDES BUT IS NOT LIMITED TO ALTERNATE MANUFACTURERS LISTED IN U.L. BUILDING MATERIALS DIRECTORY OR SIMILAR LITERATURE.
- IN THE EVENT OF A CONFLICT IN EITHER PUBLISHED TEST DATA INCLUDED IN THE DOCUMENTS AND/OR THE PROJECT MANUAL (SPECIFICATIONS), PLEASE NOTIFY THE ARCHITECT PRIOR TO PREPARATION OF SUBMITTAL DOCUMENTS AND/OR PURCHASE OF MATERIALS OR FABRICATION.
- UNDER NO CIRCUMSTANCE WILL BUILDING PRODUCTS REQUIRED BY FIRE-RATED ASSEMBLIES BE ACCEPTED WITHOUT INDEPENDENT TEST RESULTS FROM NATIONALLY RECOGNIZED TESTING LABORATORIES OR MODEL BUILDING CODE ORGANIZATIONS, AS APPROVED BY OSHPD.
- SEE PARTITION TYPES AND REFERENCE DETAILS FOR SOUND TRANSMISSION CLASS AND/OR FIRE RESISTANCE REQUIREMENTS.

C2 GENERAL NOTES



EXAMPLE - FIRE/SMOKE RATING

- TYPICAL CORRIDOR WALL 1 HOUR WALL/DOORS SMOKE-RATED/NON-RATED WINDOWS LIMITED IN SIZE (25% OF WALL) CBC 407.3.
 - ONE HOUR FIRE RATED WALL (OCCUPANCY SEPARATION) WITH 60 MIN. DOORS. CBC 508.
 - ONE HOUR FIRE/SMOKE RATED WALL (OCCUPANCY SEPARATION) WITH 60 MIN. DOORS. CBC 709.
 - TWO HOUR FIRE RATED WALL (SHAFT ENCLOSURE, OCCUPANCY SEPARATION & HORIZONTAL EXIT) WITH 90 MIN. DOORS. CBC 508, 707 & 1022.
 - TWO HOUR FIRE/SMOKE RATED WALL (SHAFT ENCLOSURE/SMOKE COMPARTMENT) WITH 90 MIN. DOORS. CBC 404.4 & 707.
 - 3 HOUR RATED WALL (OCCUPANCY SEPARATION) 180 MIN. DOORS. CBC 715.
 - 3 HOUR FIRE/SMOKE RATED WALL (OCCUPANCY SEPARATION/SMOKE COMPARTMENT) 180 MIN. DOORS. CBC 404.4 & 715.
 - 4 HOUR RATED WALL (OCCUPANCY SEPARATION) 180 MIN. DOORS.
 - SMOKE COMPARTMENT WALLS-ONE HOUR RATE WITH 60 MIN. DOORS. CBC 407.4, 709 & 715.
 - DISCHARGE PATH TO PUBLIC WAY.
- Suites Shell Space
of refuge. Level 3 513/200 = 2.6 min.

LEVEL 3 SMOKE COMPARTMENT AND EXITING CALCULATIONS:									
COMPARTMENTS & OCCUPANCY:	AREA (SF)	OCCUPANT TYPE	LOAD FACTOR	OCCUPANTS	REQUIRED EXIT (IN)	WIDTH REQ. (IN)	WIDTH PROVIDED (IN)	EXITS	
A I2 OCC.	6,089	INPATIENT	240	25.4	HOR=2	12.1	45	STAIR #2	
	348	CONF.	15	23.2	VERT.=3	18.1	44		
SUITE 1	2,816	INPATIENT	240	11.7					
TOTAL	9,253			60.3					
B I2 OCC.	15,040	INPATIENT	240	62.7	HOR=2	12.5	46	STAIR #3	
TOTAL	15,040			62.7	VERT.=3	18.8	44		
C I2 OCC.	7,261	INPATIENT	240	30.3	HOR=2	53.2	82	STAIR #1(46),	
	1,708	WAITING	15	113.9				HOR. EXIT #2	
	874	ACTIVITY RMS	15	32.9				(36 OF 44)	
SUITE 2	7,128	INPATIENT	240	29.7	VERT.=3	79.8	88	STAIR #1(44),	
	381	ACTIVITY RMS	15	25.4				HOR. EXIT #2	
SUITE 3	1,845	INPATIENT	240	7.7				(44)	
SUITE 4	2,417	INPATIENT	240	10.1				* HOR. EXITS=	
	239	WAIT	15	15.9				MAX. 2/3 REQ'D.	
TOTAL	21,853			265.9				EXITS-CBC 1022.1	
D I2 OCC.	11,579	INPATIENT	240	48.2	HOR=2	24.8	46	STAIR #4	
	4,995	SLEEP	120	41.6	VERT.=3	37.2	44		
SUITE 5	4,113	SLEEP	120	34.3					
TOTAL	20,687			124.1					
E B OCC.	278	READING RM	50	6	HOR=1.5	5.2	44	2 HOR. EXITS	
	255	FAMILY RM	35	10					
	138	TEEN ROOM	100	2					
TOTAL	671			18					
TOTAL	67,504			531	HOR=2	109	264		
					VERT.=3	153.9	264		

LEVEL THREE SMOKE COMPARTMENT REFUGE AREA CALCULATIONS:						
COMPARTMENTS & OCCUPANCY:	AREA (SF)	ADJOINING SMOKE COMP. (SF)	OCCUPANT LOAD	REQ. SF PER OCCUP.	REQ. AGGREGATE AREA (SF)	AGGREGATE AREA PROVIDED (SF)
A	9,253	78	30	2,340	2,340	2,622
		255	6	1,128	3,468	1,639
						4,266
B B OCC.	15,049	78	30	2,340	2,340	3,676
		255	6	1,128	3,502	3,502
		125	30	3,750	107	107
					7,216	7,285
C I2 OCC.	21,853	61	30	1,830	1,830	6,243
		63	30	1,890	3,720	770
		125	30	3,750	559	559
					7,470	7,572
D I2 OCC.	20,687	63	30	1,890	1,890	5,886
		78	30	2,340		
		255	6	1,128		
					3,538	
E B OCC.	2,478	78	30	2,340	2,340	320
					2,340	

A2 LEGEND

A6 OVERALL LIFE SAFETY PLAN