

CODE REVIEW FOR "AREA OF WORK"

PROJECT NAME:	WALLOWA MEMORIAL HOSPITAL - ADDITION
ADDRESS:	603 MEDICAL PARKWAY ENTERPRISE, OR 97828
OWNER:	WALLOWA MEMORIAL HOSPITAL
CODES:	OREGON STRUCTURAL SPECIALTY CODE 2014
OCCUPANCY:	GROUP B
NUMBER OF STORIES:	TWO
CONSTRUCTION TYPE:	V-B
FIRE PROTECTION:	FULLY SPRINKLED
FIRE ALARM SYSTEM:	YES
ALLOWABLE SQUARE FOOTAGE:	(SECTION 506)
BUILDING AREA MODIFICATION EQUATION SHOWN BELOW. 20' OPEN SPACE IS ASSUMED EVEN THOUGH MOST OF THE PERIMETER OPEN SPACE IS >20'	
$A_a = A_t + [A_t \times I_f] + [A_t \times I_s]$	
A_a = ALLOWABLE AREA	
A_t = TABULAR AREA PER STORY (TABLE 503)	
I_f = FRONTAGE INCREASE	
I_s = SPRINKLER FACTOR	
FRONTAGE INCREASE EQUATION	
$I_f = [F / (P - 0.25) \times W/30]$	
$I_f = [575.5 / 575.5 - 0.25] \times 20 / 30$	
$I_f = 5$	
$A_a = 9,000 \text{ SF} + [9,000 \text{ SF} \times 5] = [9,000 \text{ SF} \times 200\%]$	
$A_a = 31,500 \text{ SF}$ ALLOWABLE SQUARE FOOTAGE	

ACTUAL SQUARE FOOTAGE:	
EXISTING SQUARE FOOTAGE:	LEVEL 1 MECHANICAL PENTHOUSE 1,792 SF
NEW SQUARE FOOTAGE:	LEVEL 1 2,339 SF
TOTAL SQUARE FOOTAGE:	18,352 SF
FIRE SEPARATION DISTANCE:	>10'
MAXIMUM AREA OF EXTERIOR WALL OPENINGS:	UNPROTECTED, SPRINKLERED 30' OR GREATER- NOT REQUIRED
MAX. TRAVEL DISTANCE(1016.1):	250 FT W/ SPRINKLER
FIRE RESISTIVE RATINGS: (TABLE NO. 601, 602 OF THE I.B.C.)	
BUILDING ELEMENT (>10' SEPARATION)	TYPE #/R
STRUCTURAL FRAME	0 HOUR
BEARING WALLS	0 HOUR
EXTERIOR	0 HOUR
INTERIOR	0 HOUR
NON BEARING WALLS AND PARTITIONS	0 HOUR
EXTERIOR	0 HOUR
INTERIOR	0 HOUR
FLOOR CONSTRUCTION:	0 HOUR
INCLUDING SUPPORTING BEAMS AND JOISTS	0 HOUR
ROOF CONSTRUCTION	0 HOUR
INCLUDING SUPPORTING BEAMS AND JOISTS	0 HOUR
EXTERIOR DOORS AND WINDOWS	0 HOUR

FIRE & LIFE SAFETY NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL TRADES ARE THOROUGHLY FAMILIAR AND COMPLY WITH THE REQUIREMENTS LISTED IN THE "FIRE AND LIFE SAFETY STANDARDS" (FLSS).
- ALL RATED ASSEMBLIES SHALL BE CONSTRUCTED TO PREVENT THE MOVEMENT OF FLAME OR GASSES PER CODE.
- INSTALL RATED ENCLOSURES FOR ALL RECESSED ITEMS IN RATED WALLS PER CODE. SEE ARCHITECTURAL DETAILS.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES IN AREA OF WORK SHALL BE FIRESTOPPED OR SEALED PER CODE.
- THE CONTRACTOR SHALL FIELD VERIFY THE CONDITION OF THE EXISTING FLSS SYSTEMS IN THE AREAS OF WORK THAT MAY REQUIRE UPDATING. AREAS INCLUDE (BUT ARE NOT LIMITED TO) THE FOLLOWING:
 - CONTRACTOR TO VERIFY THAT ALL EXISTING PENETRATIONS OF RATED ASSEMBLIES WHICH ARE EXPOSED TO VIEW DURING CONSTRUCTION ARE COMPLIANT WITH CODE REQUIREMENTS.
 - CONTRACTOR TO EXTEND ANY EXISTING WALL (WITHIN THE AREA OF WORK) TO STRUCTURE WHICH IS REQUIRED BY FLSS BUT DOES NOT PRESENTLY EXIST.
 - CONTRACTOR TO VERIFY THAT ALL DUCTWORK PENETRATIONS THROUGH RATED ASSEMBLIES ARE EQUIPPED WITH FIRE AND/OR SMOKE DAMPERS AS REQUIRED BY CODE.
 - VERIFY THAT THE FIRE ALARM, EMERGENCY LIGHTING, AND EMERGENCY POWER IN THE AREA OF WORK CONFORMS TO THE FLSS "ELECTRICAL STANDARDS" SECTION FOR THE OCCUPANCY TYPE INDICATED ON THE FLS PLANS.
- SEE ELECTRICAL FOR EXIT SIGN LOCATIONS.

LEGEND

ROOM OCCUPANCY TAG	OCCUPANCY
	Occupancy Type
	5,000 SF
	100 SF / OCC
	50 OCC
	OCC / SF
1 HOUR WALL	
AREA OF 1 HOUR FLOOR AND 1 HOUR CEILING	
OCCUPANCY AREA	
EGRESS TRAVEL DISTANCE	
COMMON PATH OF EGRESS TRAVEL	
FIRE EXTINGUISHER	
EXIT SIGN, ARROW(S) INDICATES DIRECTION (IF SHOWN)	
999 OCCUPANT EXIT LOAD	
999 CUMULATIVE OCCUPANT EXIT LOAD	

