

Design Criteria Matrix Activity

Fast Eddie's Project – Spatial Planning
Design Process 3

BSBCRT501A Originate and develop concepts

BSBDES502A Establish, negotiate and refine a design brief

Design Criteria Matrix

- When space planning for a commercial project, it is important to start by assessing the existing space and the requirements of each space (or area) within the whole space.
- Once you have determined the functional requirements of the spaces, you can then begin to plan the space required to perform that function and then subsequently plan any adjacencies within the entire space.
- Each project is different with different requirements, so there is no 'recipe' for making a design criteria matrix when space planning, but the important thing is to consider the functions of the various spaces and how they fit in the space.
- You must think about the types of activities carried out in each space and what the requirements might be. Once you have your data, you can record it in a matrix.

Design Criteria Matrix

Used to help the designer make decisions about adjacencies and spatial considerations.

CRITERIA MATRIX FOR: UNIVERSITY CAREER COUNSELING CENTER		SP. FOOTAGE NEEDS	ADJACENCIES	PUBLIC ACCESS	DAYLIGHT AND/OR VIEW	PRIVACY	PLUMBING	SPECIAL EQUIPMENT	SPECIAL CONSIDERATIONS
① RECEPTION	250	③ ⑤	H	Y	N	N	N	TRAFFIC HUB ADJ. TO MAIN ENTRANCE	
② INTERVIEW STA. ⁽⁴⁾	220	① ④	M	I	L	N	N	FEEL LIKE A TEAM OF FOUR	
③ DIRECTOR	140	④	M	Y	H	N	N	HIGHEST IMAGE ACCESS TO REAR DR FOR PRIVATE EXIT	
④ STAFF	180	③	M	Y	M	N	N		
⑤ SEMINAR RM	300	① ⑥ ⑦	H	I	H	N	Y	A/V USE IMPORTANT CLOSE TO ENTRANCE	
⑥ REST ROOM (2)	200	CENTRAL	M	N	H	Y	N		
⑦ WORK AREA	120	② ④ CENTRAL	L	N	M	Y	Y		
⑧ COFFEE STATION	50	CENTRAL	H	Y	N	Y	Y	CONVENIENT FOR EVERYONE	
⑨ GUEST APARTMENT	350	REMOTE	L	Y	H	Y	N	RESIDENTIAL CHARACTER	

LEGEND

H = HIGH
M = MEDIUM
L = LOW
Y = YES
N = NO/NONE
I = IMPORTANT BUT
NOT REQUIRED

TOTAL NEEDED = 1810 S.F.
2500 S.F. - 625 S.F. = 1875 S.F.

TOTAL AVAILABLE = 2500 S.F.
LESS 25% FOR CIRCULATION = 1875 S.F.

NOTE: IN "ADJACENCIES" COLUMN

③ - INDICATES ADJACENCY IMPORTANCE

⑤ - INDICATES MAJOR ADJACENCY IMPORTANCE

Example

Design Criteria Matrix – Activity

- Start by completing your details, the project name and the m² of the space.

DESIGN CRITERIA MATRIX		
Name:	JOHN PAPA	Legend: H = High M = Medium L = Low Y = Yes N = No / None I = Important but not required
Project:	FAST EDDIE'S	
Square metres:	43.65m ² .	

Design Criteria Matrix – Activity

- List and number the various spaces within the project.

DESIGN CRITERIA MATRIX		
Name:	JOHN PAPA	Legend: H = High M = Medium L = Low Y = Yes N = No / None I = Important but not required
Project:	FAST EDDIE'S	
Square metres:	43.65m ² .	
	Name of area/space:	
1	CUTTING STATIONS x 3	
2	P.O.S. COUNTER	
3	WAITING AREA	
4	STORAGE	

Design Criteria Matrix – Activity

- Work out the importance of each space within the project and label these accordingly.
- Record the m² per space (if known). This can be worked out from the spatial requirement drawing we completed earlier for the cutting station areas.

DESIGN CRITERIA MATRIX			
Name:	JOHN PAPA		Legend: H = High M = Medium L = Low Y = Yes N = No / None I = Important but not required
Project:	FAST EDDIE'S		
Square metres:	43.65m ² .		
	Name of area/space:	Importance	Square metres required
1	CUTTING STATIONS x 3	A	4.5m ²
2	P.O.S. COUNTER	C	
3	WAITING AREA	B	
4	STORAGE	D	

Design Criteria Matrix – Activity

- In the *Adjacencies* column, indicate which of the spaces should be located next to each other in the final plan.
- Circle those adjacencies which are critical (i.e. they must be next to each other).

DESIGN CRITERIA MATRIX				
Name:	JOHN PAPA			Legend: H = High M = Medium L = Low Y = Yes N = No / None I = Important but not required
Project:	FAST EDDIE'S			
Square metres:	43.65m ² .			
	Name of area/space:	Importance	Square metres required	Adjacencies
1	CUTTING STATIONS	A	4.5	③ 4
2	P.O.S. COUNTER	C		3
3	WAITING AREA	B		① 2
4	STORAGE	D		1

