

Green Building Design Related to Feng Shui Issues in Taiwan

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Abstract

With growing awareness of climate change and the increasing importance of sustainability, green building design has become an important trend in architectural design in Taiwan. The Taiwan government encourages people to participate in the promotion of green buildings, and has also established building regulations and accreditation which require newly constructed buildings to satisfy related requirements. The green building accreditation system being executed in Taiwan includes the architectural characteristics of ecology, energy saving, waste reduction, and health (EEWH) issues. On the other hand, the ancient concept of Feng Shui for dwellings, which concerns environmental living issues for people, is still exerting a strong influence on dwelling space arrangement. The concept of Feng Shui emphasizes harmony between people and the natural environment; it has strong connection with green building as it respects the sustainable environment. Interviews of experts, literature review and content analysis methods were applied in this study. The results indicate that design issues of green planting, water retention, energy saving, water resource, and sewage have strong connection between green building designs and Feng Shui concepts in some aspects. If designers can consider the relevant aspects of Feng Shui during the initial design process of green buildings, it would greatly facilitate the promotion of green building policies.

Keywords: green building design, Feng Shui, traditional Chinese culture

1. Introduction

The increasing severity of climate change has caused many countries around the world to strive more for a sustainable environment and energy conservation to actively control greenhouse gas emissions. In fact, the industries related to building construction contribute a lot to carbon dioxide emissions in Taiwan, accounting for 28.8% of total carbon dioxide emissions in the entire country (Lin, 2011). As a result, in recent years, the government has been strongly promoting green building to reduce the amount of carbon emissions in the construction industry. Hence, green building has been of more concern recently. In Taiwan, the concept of green building emphasizes ecology, energy saving, waste reduction, and health, also known as EEWH system. Government departments and scholars are actively promoting green building by developing green building design techniques and strategies, and incorporating them into architectural design specifications as well as publishing green building technique manuals. In 2004, government departments established the green building evaluation system which includes nine major indicators for green building accreditation (Chiang, 2009). The nine indicators are biodiversity, greenery, water retention, energy savings, CO₂ emissions reduction, waste reduction, water resource, garbage and sewage improvements, and indoor environmental quality. It is obvious that green building design in Taiwan must take living and environmental issues into consideration when developing building strategies. On the other hand, the ancient Chinese concept of Feng Shui for dwellings still asserts strong influence on Chinese societies in the planning and arrangement of residences and offices. A recent survey indicated that almost 73% of the general public in northern Taiwan holds positive views toward the influence of Feng Shui for dwellings (Chen, 2011).

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As it is part of the national ideology, and not considered to be superstition, it plays a significant role in the behavioral patterns and culture of daily life for Chinese people (Han, 1998). The concept of Feng Shui has been passed down from ancient China, and it emphasizes harmony between inhabitants and the natural environment with heavy consideration on wind, light, plants, landscape, direction, location, soil, mountains, and rivers surrounding the dwelling, and was considered to comprise the scientific rules for building residential structures in ancient times, as well as a domain of knowledge regarding space and the geological environment. It is an ancient dwelling philosophy that seeks for harmony among heaven, earth and people (Wu, 2005). The concept of Feng Shui presents people's respect of natural environment and harmony between people and universal belief. It also delves into the small environment of the house from the perspective of the ecological and geological environments (Kuo, 2004). From the discussion above, it is clear that both green building design and Feng Shui concept accentuate integration with the ecological and natural environment and involve issues related to the living environment, thereby rendering them worthy of deeper study in tandem. The primary motive for this study is to search out the connection between these two subjects and that more understanding of the Feng Shui issue may also prevent Feng Shui problems from being obstructions for promoting of green building. With more clarity on the relation between green building design techniques and Feng Shui, we can understand better the common design principles that satisfy both systems. This would help to facilitate the promotion of green building design while respecting and passing down traditional Feng Shui culture.

1.1 Research Objectives

The field of green building is a component of the energy saving and sustainable design of buildings whereas Feng Shui for dwellings is a geomantic art that previously had no direct connection to the green building field. In professional architectural work, these two systems consider fairly similar concepts, but their contents are extremely different and complex. This study is only a preliminary exploration of the connection between the two fields, which merely marks the beginning of research in this area. This study tried to compare practical techniques associated with green building design issues involved in contents of Feng Shui concern. Finally, this study tries to identify the related portions between both concepts and understand which elements both consider important. The results will enable the incorporation of Feng Shui for dwellings into green building design to prevent alarm among property owners and designers should green building design conflict with opinions of Feng Shui. The objectives of this study include:

1. Collating the contents of green building design related to Feng Shui issues;
2. Analyzing and comparing the intersecting content of green building and Feng Shui; and
3. Understanding the linkage between green building and Feng Shui contents.

1.2 Scope and limitations of Study

The promotion of green building design by Taiwan government entities and scholars has made available a considerable amount of information regarding green building design techniques to the public. In Taiwan, green building design, for the most part, arise from practical considerations, for which this primarily comprises technical strategies and methods founded on the nine major indicators of the green building accreditation system. Humanistic, social, and economic aspects, which are included in the wider definitions of green buildings in some countries, are excluded from this study. As for Feng Shui, there are two main schools of thought: Form School and Compass School, that emphasize different matters and take into consideration different affecting elements. This research will employ the Form School of Feng Shui for dwellings because it comprises more complete and systematic discussions about the living environment, and more integrated information is available (Kang, L. and Kang Y., 1999). Form School emphasizes the harmonious balance of natural environment, mountain forms, water environment, and location situations. As the contents established by the Compass School are more complex and mysterious, even metaphysical, it will not be discussed in this study. The Compass school is related to Yin and Yang, which is the philosophic theory of cosmic dual forces, the reciprocal effect of the Five elements (metal, wood, water, fire and earth) in Chinese cosmology, and the effects of numerology on directions. The Compass school also has many factions and lacks an integrated system and statements, making it hard to really discriminate and authenticate (Wang, 1994). Furthermore, the majority of Feng Shui references comprise ancient texts, the rhetoric of which can be abstruse for modern people, so ancient books are not included in this discussion.

2. Literature Review

The Architecture and Building Research Institute (ABRI) of the Ministry of the Interior and the Graduate School of Architecture at National Cheng Kung University are key units in promoting and developing green building techniques in Taiwan. A number of studies have been published for reference in practical design.

ABRI has been extremely active in researching and formulating green building techniques and evaluation methods, publishing the *Evaluation Manual for Green Buildings* in Taiwan, which contains detailed descriptions of the evaluation system, strategies, and methods for green building (Architecture and Building Research Institute, Ministry of the Interior, 2010). Hsien-Te Lin, on the faculty of the Graduate School of Architecture at National Cheng Kung University, has put a great deal of effort into the issue of green building. In fact, the majority of green building regulations, energy-saving evaluation methods, and green building techniques in Taiwan are the results of his research. In 2010, the *Technology Guides for Green Building Design* was published, describing feasible techniques and strategies for green building based on each of the nine major indicators of the EEWB evaluation system and providing essential design technical information for green building design practice in Taiwan (Lin, 2010). In regard to Feng Shui for dwellings, in 2001, San-Shian Wang noted that traditional Feng Shui for dwellings is philosophical thinking regarding the relationship between people and the natural environment, and the use of Feng Shui can achieve the coexistence and continuing prosperity of both. If one were to combine Feng Shui for dwellings with the perspectives of modern sociology, environmental studies, and ecology, it would greatly benefit land development, ecological protection, and landscape design (Wang, 2001).

However, during the evolution of Feng Shui, superstition and mystery became attached to it; excessive focus on the mysterious side of Feng Shui techniques also led to the neglect of the harmonious relationship with the ecological environment and nature; thereby resulting in some negative comments and judgment. In recent years, some western scholars have acknowledged the importance of Chinese Feng Shui, which emphasizes harmony between man and nature and integration with the environment; it has further received positive regard as a type of universal ecology (Chiang, 2003). C.Y. Wu investigated the contents and taboos of Feng Shui for dwellings based on environmental themes, emphasizing that by studying the historical development of Feng Shui, one can gain perspective on the true implications of Feng Shui for dwellings (Wu, 2005, 2006). P.T. Han examined the connections between Feng Shui and the environment. He also considers Feng Shui concepts to be a part of the daily lives of people in Chinese society, such that it cannot be seen as a superstitious belief (Han, 1998). However, from an environmental psychology perspective, Feng Shui proponents should be demonstrated by more scientific tests to prove their influences in future development, because there is currently no scientific foundation (Bonaiuto et al, 2010). Although green building design and Feng Shui belong to different professional domains, their practices present similar concepts and important issues in architectural design, emphasizing a building's relationship to the ecological environment, geological and climatic conditions. Due to the active promotion of green building by government departments, experts, and scholars, there is a significant amount of complete information available on the topic. As Bonaiuto et al. point out, Feng Shui needs more scientific foundation to be convincing. After thousands of years of evolution and development, Feng Shui has become complicated, mysterious, and difficult to understand. However, Feng Shui is a common consideration in the planning of residential spaces in Chinese societies still today despite its complex principles. This study endeavors to conduct a systematic collation and analysis to derive the correlation between green building design techniques and Feng Shui for dwellings to facilitate future interdisciplinary research.

2.1 Concept of Feng Shui

Feng Shui derives from ancient Chinese people dwellings' philosophy from thousands of years ago. As the historical data shows, two major schools of thought in Feng Shui have emerged through the historical process: Form School and Compass School. Form School emphasizes the harmonious balance of natural environment, mountain forms, water environment, and location situations. Originating in Jiangxi, China, the Form school has a complete system and statements from ancient times (Yang W. H. and Chang P., 1995). The Compass School, based on popular directions in Song Dynasty (960-1279 AD) is related to Yin and Yang (陰陽) which is the philosophic theory of cosmic dual forces, the reciprocal effect of the Five Elements (五行) in Chinese cosmology - metal, wood, water, fire and earth - and the effects of numerology on directions. It is more complex and mysterious (Kao, 2004). The Compass school also has many factions and lacks an integrated system and statements, making it really hard to discriminate and authenticate and its historical development is not clearly stated (Wang, 1994). Therefore, this study focuses on the Form School of Feng Shui for dwellings because it contains more complete and systematic discussions.

3. Methodology

In-depth interviews with experts have been processed as the main research method. Due to limited understanding of Form School knowledge, there are very few such Feng Shui experts in Taiwan. In this study, six Form School experts were invited to participate in interviews, who have an average professional experience of about 12 years. To avoid misunderstanding about green building design contents and the meaning interpreted by these experts, the interviewer clearly explained the purpose and strategies of green building design as plainly as possible during the interview process. This study comprised three main steps. The first phase of this study involved collating and analyzing relevant literature before analyzing relationships between the technical content of the two practices. Following, expert interviews were carried out to collect information for the analysis of connections between green building design and Feng Shui concepts. Finally, a panel of 12 Feng Shui experts, including the six involved in the aforementioned step of analysis, evaluated the proposed connections to confirm the analysis results. Government departments and academic units provided the green building strategies used in this study. These sources are complete and credible. The theories of Form School of Feng Shui have been distinguished; then through systematic expert interview collation, content comparison and expert evaluation, we confirmed the associated practices in the two systems.

4. Analysis of Connections

For understanding the connections between green building design and Feng Shui, a series of analyses was undertaken. The following section discusses several connections collated from experts' investigations and analysis of relevant research materials. There are three main points discussed in the analysis. The first is clarifying the potential connection between the two subjects; the second is discovering which contents are related, and the last is confirming the connections between green building design and Feng Shui.

4.1 Green Building Design Related to Feng Shui

Regarding evaluation of green building design, the government created a nine-indicator system for green building certification, and encourages the public to construct buildings that save energy and produce less pollution so that a comfortable, healthy, and sustainable living environment can be established. Active promotion of these principles by the government has led to complete, accessible green building design information. Because the accreditation and regulations of green building design in Taiwan are based on the nine major indicators, the majority of the available information is strategically and technically developed to expound on these indicators. For the subsequent comparisons, this study arranged the concise relevant technical contents into Table 1.

Table 1: Summary of Techniques Related to Various Green Building Indicators

Indicator	Summary of related techniques
1. Biodiversity	green network system / topsoil retention / ecological pond and ditch / eco-road / porous environment / ecological design
2. Green planting	ecological vegetation wall / roof and artificial planting hole / wind-blocking and soil aeration / plant types
3. Water retention on site	permeable pavement / greenery and permeable grass channel / infiltration and drainage / water storage pond / ditch for infiltration / artificial planting hole
4. Energy savings	building envelope energy conservation / building layout and openings / sun protection / insulation material / use of ventilation / air-conditioning equipment / lighting equipment / use of daylight / use of solar power
5. CO ₂ emissions reduction	simple building shape and decoration / simplified structure / lightweight design / wood construction / recycled construction material
6. Waste reduction	soil balance / construction automation / partition / air pollution control / duct design / recycling of old building materials
7. Indoor environmental quality	noise control / vibration control / glare control / ventilation / pollution control / air purification / moisture-proofing / green building material
8. Water resources	water-saving equipment / use of reclaimed water / use of rainwater / rainwater collection ditch / vegetation watering / storage pond
9. Garbage and sewage	separate rainwater and wastewater drainage systems / garbage disposal / artificial wetlands/ waste water treatment / composting of kitchen waste

(Source: Lin, 2010; collated by author)

To make sure Feng Shui experts comprehend what green building design comprises, Table 1 contents were compiled to explain techniques of green building design to the experts. Table 2 presents the results of experts' choices. It is interesting that those experts with more experience in Feng Shui believed that more content of green building design has more connection to Feng Shui concepts. Table 2 shows six indicators completely related to Feng Shui issues: biodiversity, green planting, water retention, energy savings, water resources, and garbage and sewage.

Table 2: Experts' Views on Relationship of Feng Shui to Green Building Indicators

Experts Indicator	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6
1. Biodiversity environment	▲	▲	▲	▲	▲	▲
2. Green planting	▲	▲	▲	▲	▲	▲
3. Water retention	▲	▲	▲	▲	▲	▲
4. Energy savings	▲	▲	▲	▲	▲	▲
5. CO ₂ emissions reduction	▲	▲				
6. Waste reduction	▲					
7. Indoor environmental quality	▲	▲				▲
8. Water resources	▲	▲	▲	▲	▲	▲
9. Garbage and sewage	▲	▲	▲	▲	▲	▲

(Source: collated by author)

4.2. Detail Strategies and Contents

Form School in Feng Shui places importance on a structure's relationship with the natural environment, the climate, and the terrain; the water environment and the soil are also taken into consideration. Following the analysis of collected information, this study derived the concepts of Feng Shui for dwellings into seven major topics following the information provided by Wu's and Wang's books: building location, orientation, the water environment, the environmental terrain, the indoor environment, garden vegetation, and the site and structural form of the building (Wang, 1994; Wu, 2005, 2006). These topics and related contents are shown in Table 3.

Table 3: Summary of Concepts Related to Feng Shui for Dwellings

Feng Shui Topics	Summary of Contents
1. Building location	location terrain / site conditions / soil conditions / environmental conditions
2. Orientation of building	orientation of building / locations of entrances and exits
3. Water environment	pond location / pond shape / quality and direction of water flow / locations of water towers / surrounding roads
4. Environmental terrain	surrounding terrain / shape of mountains all around / flowing water / configuration of ponds / unfortunate omens in nearby surroundings
5. Indoor environment	configuration and shape / locations of openings / kitchen and bathrooms / indoor color scheme / position of stairs / position of bed / unfortunate omens located indoors
6. Garden vegetation	plants species / location of vegetation / form of trees / ominous trees
7. Site and structure	shape of building / shape of site

(Collated by author)

From the perspective of six Feng Shui experts, the techniques of green building design related to the Feng Shui concepts are presented in Table 4. Although not all experts are in complete agreement on the related items, this study selected items that most experts considered related. Among the related content shown, in the biodiversity indicator the techniques of ecological pond and ditch focus on the same issue as the storage pond and ditch in the water retention indicator. Apart from this, in the garbage and sewage indicator, rainwater and wastewater drainage systems are also similar to the items of water resources. Moreover, these techniques are also present among the Feng Shui issues.

Table 4: Summary of Green Building Techniques Related to Feng Shui issues from Experts' Views

Green Building Indicators		Specific Green Building Techniques related to Feng Shui
1.	Biodiversity	ecological pond and ditch
2.	Green planting	ecological vegetation wall / roof and artificial planting hole / plant types
3.	Water retention	infiltration and drainage / water storage pond / ditch for infiltration
4.	Energy savings	building layout and openings
5.	Water resources	rainwater collection ditch / storage pond
6.	Garbage and sewage	rainwater and wastewater drainage systems

(Source: collated by author)

4.3 Relationship between Green Building Strategies and Feng Shui

When examining the green design technical contents and the related content of Feng Shui concepts, it is discovered that concepts regarding water resources, water retention, wastewater, and biodiversity involved in the ecological pond are related to Feng Shui, namely the portions concerning the water environment, the environmental terrain, and soil condition of the building location. Moreover, the green planting indicator is closely connected to the garden vegetation concept in Feng Shui. The energy savings indicator, which involves open window positions, is closely related to Feng Shui locations of openings in the indoor environment topic. Table 5 compares some connected concepts in green building techniques and Feng Shui.

Table 5: Connected Concepts in Green Building Design Techniques and Feng Shui

Type of issue	Green Building techniques		Feng Shui for dwellings	
	Indicators	Technical contents	Categories	Related contents
Water /soil issue	Biodiversity	ecological pond and ditch	Building location	environmental condition soil condition
	Water retention	storage pond infiltration and drainage artificial planting floor	Water environment	pond location and shape water quality direction of water flow
	Water resources	storage pond rainwater collection ditch	Environmental terrain	flowing water pond
	Garbage and sewage	rainwater and wastewater systems/ artificial wetlands		
Greenery issue	Green planting	ecological vegetation wall roof and artificial planting hole plant types	Garden vegetation	tree species form of trees location of vegetation ominous trees
Indoor issue	Energy savings	direction of open windows size of open windows	Indoor environment	opening location unfortunate indoor omens

After gaining insight from experts' investigations and information analysis of green building design techniques and Feng Shui concepts, it is obvious that there exists some strong relationship between them, such as water and soils, greenery and indoor issues. In fact, ancient Feng Shui strives for a harmonious living environment balancing human life and the natural environment (Huang, 1997). This conforms to principles of environmental ecology and sustainability in green building design. Therefore, it is possible that green building design and ancient Feng Shui for dwellings can coexist beneficially. The next step is to further confirm and explain more details regarding the connections between these two considerations for buildings.

4.4. Confirmation of the Connections

To confirm the connections presented in the previous finding, besides the six experts consulted in the aforementioned in-depth interviews, another six less experienced experts were invited to participate in this investigation; totally 12 samples were collected. Table 6 shows the mean and the standard deviation calculated from expert investigation results.

The measure for the test is a 5-point Likert scale, with 5 meaning completely connected and 1, no connection. The results indicate that all the experts agreed strongly about the connections between the two subjects listed in each of the six questions. Notably, the means of all questions are above 4 points. From this result, the connections between some green building design techniques and Feng Shui are well confirmed.

Table 6: Confirmation for Relationship between green Building Design Techniques and Feng Shui Issues, Mean and Standard Deviation Results (from Expert Investigation)

Question	Mean	Std. Deviation
Q 1: The design techniques of ecological pond and ditch have relationship to water environmental issues of Feng Shui.	4.42	0.515
Q 2: The design techniques of water retention in site such as storage pond, drainage, artificial planting floor and grass ditch have relationship to water environmental issues of Feng Shui.	4.75	0.452
Q 3: The design techniques of water resources such as storage pond, rainwater collection ditch, and drainage have relationship to water environmental issues of Feng Shui.	4.67	0.492
Q 4: The design techniques of garbage and sewage handling such as storage pond and drainage have relationship to water environmental issues of Feng Shui.	4.50	0.905
Q 5: The design techniques of green planting such as ecological vegetation wall, roof and artificial planting hole, and plant types have relationship to greenery issues of Feng Shui.	4.75	0.622
Q 6: The design techniques of energy saving such as window opening locations and sizes have relationship to indoor environment of Feng Shui.	4.33	0.651

5. Discussion

Upon further examination of the content of Table 5, green building design techniques of ecological storage pond and ditch, rainwater and wastewater drainage systems are closely related to water environmental topic in Feng Shui; thus this study combines these as water and soil environment issues in the following discussion. Besides,, these also intersect with green planting and indoor environment issues.

5.1 Water and Soil Issues

Green building indicators involving water environment include biodiversity, water retention, water resources, and garbage and sewage systems. Permeable water ditches and the installation of water storage ponds are related to the water environment category in Feng Shui. In addition, the water retention indicator also considers the soil-water retained by the site soil condition. The objective of soil-water techniques is to maintain the water content of soil and create an organic environment in urban soil through the installation of permeable ponds and ditches (Architecture and Building Research Institute, 2010). Meanwhile, the soil in a good Feng Shui situation is moist but not wet, and dry but not completely dried out. The soil must hold a certain amount of moisture (Wu, 2005). The concepts of soil in green building design and Feng Shui are very well aligned. In green building design, water retention, water resources and ecological ponds involve the installation of water ponds and their locations, water storage tanks, and drainage facilities. These techniques bear resemblance to the installation of ponds and the direction of drainage in the water environment of Feng Shui. Besides, the storage and recycling facilities for water resources involve ponds and drainage, which are associated with the shape and location of ponds and the direction of drainage, also in the water environment portion of Feng Shui. It is obvious that water and soil environment are important factors for both green building design and Feng Shui concepts.

5.2 Greenery Issue

The green planting in green building design involves increasing vegetation, which directly corresponds to the garden vegetation category in Feng Shui. The objective of the green planting indicator is to increase the vegetation on the building site.

The green building design techniques of ecological vegetation, wall foliage, vegetation on the roof, species of the trees, and the method of installation are closely related to the Feng Shui emphasis on the species of the trees, the location of the vegetation, the form of the trees, and avoiding ominous trees. Hence, one can say that the green building design concept of greenery is directly and closely associated with the garden vegetation concept in Feng Shui.

5.3 Indoor Issue

The green building design concept of energy savings takes into account the thermal and light environment of the building. By utilizing the physical environment and space of the building, natural lighting and ventilation can reduce the amount of energy needed, which is indirectly connected to the issues of open windows in the indoor environment category of Feng Shui. In Feng Shui concept, when front doors or windows allow one to see straight through to back doors or windows without any blocks, this is an unfortunate omen, due to unsuitable openings in indoor space, called straight through arrow (Wang, 1994). Figure 1 shows the typical situation of straight-through arrow. Correspondingly, green building design for energy conservation emphasizes suitable openings in indoor environments.

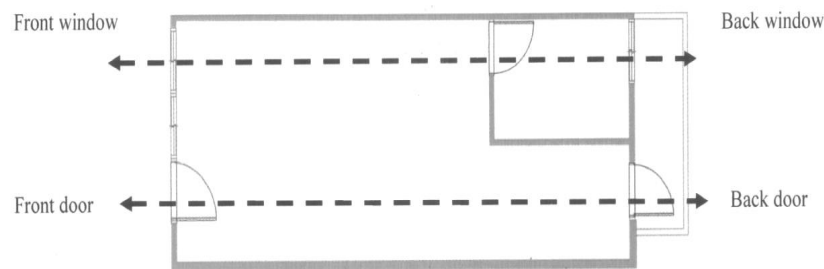


Figure 1: Typical Straight through Arrow Situation of Feng Shui for Dwellings (Source: Drawn by Author)

The discussion above shows that Feng Shui concepts involving the water environment are directly related to water conservation techniques in green building design. With regard to greenery, Feng Shui has particular perspectives and taboos on vegetation and trees; for this reason, vegetation should be handled with care when considering what to incorporate for green building design. Furthermore, the applying of natural physical conditions such as wind and light flow to the placement of openings for energy conservation in the building, should take into consideration the taboos and principles related to Feng Shui regarding the importance of the locations of openings in the indoor environment of buildings.

5. Conclusions and Recommendations

Green building design places emphasis on the ideas of ecology, energy conservation, waste reduction, and health, whereas Feng Shui for dwellings focuses on merging human living environments with the natural environment. Both systems contain the concepts of ecological environmental protection and sustainability. This paper breaks new ground in the cross-disciplinary discussion between architecture and traditional Chinese Feng Shui. Through this pilot investigation, Feng Shui experts may be persuaded that green building design is a concept closely aligned with their concerns. Meanwhile, architects may show additional respect for traditional Chinese concepts related to human dwellings through enhanced understanding. The study shows that the ancients were advanced in their concepts of protecting the environment and creating sustainable living environments. In Feng Shui, water determines the quality of fortune and health, and for this reason, particular importance is attached to the handling of facilities associated with water. Many issues and taboos in Feng Shui for dwellings involve the water environment of the residence, including the shape and location of installed ponds and the position and flow direction of drainage and ditches. Feng Shui for dwellings places emphasis on the meanings implied by different tree species; the perceived good omens can bring good fortune to the residence. The trees in gardens may also block light or obscure vision; therefore, the location and layout of the planted trees can determine the quality of the Feng Shui. Building openings can also influence the living environment, which can further influence health. Feng Shui issues are highly associated with green building design techniques, the formulation of environmentally-centered designs and strategies should be conducted with care for the sake of the Feng Shui layout.

This study was not conducted with the objective of encouraging people to believe in Feng Shui, but with the hope that moderate respect may be shown to this traditional art when designing green buildings. Furthermore, the author hopes that more interdisciplinary research will be carried out to derive solutions that satisfy both systems. In this manner, the promotion of green building will not be hindered by Feng Shui factors; moreover, some effort may be made in passing down this ancient art. This study merely marks the beginning of interdisciplinary research on green building and Feng Shui. Future studies can conduct more in-depth investigations on the techniques that satisfy issues in both. This will greatly benefit the further development of green building, and incorporate the concepts of Feng Shui into modern green building.

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Feng shui (pronounced feng shway) has been practiced in various forms by a number of cultures throughout history. Believers regard it not as a religion or superstition but as a science whose goal is to create balance and harmony among the five elements of nature--- water, fire, wind, wood and earth.Â A geomancer's key instrument, the so-called a compass, is a round board with components that include nine flying stars, eight lunar mansions and the five elements of earth, fire, metal, water and wood. Using a set formula in conjunction with their dates of birth, users attempt to discern their ming, or fate, including career and marriage prospects, and aim to attract greater fortune by decorating their offices and homes and aligning furniture in accordance with the basic tenets of feng shui. According to Feng Shui principles it's advantageous to place a water element such as a fountain near the entry of your home.Â If there is a space, there's a Feng Shui adjustment for you! Place some lighting, green plants (live or very realistic looking) or beautiful and loved objects in this location. These objects bring life to this area and transforms the energy. 5.Â The idea is that the water goes out of the home here. Since water is related to wealth, we don't want our money being flushed away. I have also been taught that water comes back in as it's being drained, but to be safe, I recommend that you keep the toilet seat cover down and the bathroom door closed to reduce this effect. 6. Tip 6: Positioning of your bed.