

Thoughts Tweed Valley Hospital Development

Stage 2 SSD Model

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To those whom have the power of change.

In the 1st, instant.

Thank you for the pop centers showing one and all the new concept drawings for the Tweed Valley Hospital Development.

A wonderful Gesture and hopefully rewarding. Possibly too late for many.

I understand that this facility is long over due and is urgently required.

But has anyone read the futuristic writings and thoughts of flooding in the area as set out by

Flood Plan Management Australia's report of the Tweed Shire? . Google has a plethora of information.

Even to look historically how Cyclones have hit and effected the area in question going back to 1928.

It is both interesting and frightening.

Yes , I am aware, it is possibly well too late.

Will this hospital be able to assist the multitude, if either one of the above possibilities come to fruition.

Another thought, the very interesting words “ Climate Change “.

If this is the new or up coming danger we all face?

The access to this hospital will be lost.

Is it too late to change?

My name: Simone Renton

I reside at [REDACTED]

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But moving forward.

My submission of Ideas I can only hope might be on some assistance,

I was pleasantly surprised to view the concept drawings as presented at the UKI community village hall last Saturday. October 26 th.

The young man representing the powers to be in this project, showed interest in others thoughts and seemed very professional in his endeavors to answer mine and others questions in a lay person's terms in a very informative manner.

A task, very well performed.

Now! My Bona fides :

I have been Involved in the design , building and onsite constructional industry for better than 35 years.

With this email all I am doing is putting some thoughts, which I feel need to be addressed now, not later in time.

The external design of the building is unremarkable.

I can understand for cost purposes making everything square or rectangular has it's ideals.

This is a Half Billion dollar plus, \$582 Million Public Money investment, possibly much more by it's completion. A figure closer to \$800 million when everything is done and dusted.

To begin my thoughts,

Hospitals to many, can be a very scary place. Possibly their last stop.

Unless visiting, working, most are either very ill or hurting in some way when they arrive.

Hospital can be very clinical.

Will this be the same?

Maybe some special welcoming features could be incorporated.

The outside court yard might look inviting, but weather wise shall it be practical.

Moving on:

In submitting my thoughts, hopefully they have all been considered by others already, who have the power to do so.

The glazing: Glass is a wonderful product. Using it to it's best potential the task at hand.

Aluminum Framing: This can be utilized as a low maintenance framing as long as it is anodized not powder coated.

Today the possibilities are endless.

These days with tinted double,/ triple laminated glass argon filled can reduce you heat intake and loss.
All good in this climate.

Has anyone considered how much energy will be transgressed in this design?

The building's main features will attract sunlight from early morning, then from afternoon to night.

Oh! Yes, have you given thought to the shadowing of the other building structures also.

Having a balance between the different buildings could pose a problem..
It will not be one case fits all.

Has any thought how to keep the large expanses of glass clean?

Have provision been made to have water, sprays or otherwise to wash off the dust that will accumulate in time.
Scaffolding and men to do this job will be expensive and for ever on going.

As The surrounding areas are agricultural, there will be at times that considerable dust will circulate this area.

We are in drought now. Maybe you can get an idea from the surrounding areas as it is now.

There is very little vegetation to hold the soil in place. There is potentially a very big problem to be addressed.

Materials used by local farmers , fertilizers can have a detrimental effect on the external faces of materials and products used.

Has there been thought , even with the technology around, just how much heat will be penetrate this building.

How to reduce this heat is another conundrum as this will need very powerful cooling system to maintain a pleasant working environment.

I have noticed in other hospitals curtains are used to reduce the heat penetration and heat loss.
If heat or cooling is needed? Does this not defeat the purpose of the glass and the stream line effect.
If curtains are drawn, the visual aspect is going to change enormously.
Break down from ultra violet light on materials should be another thought at this time.

Possible solution: Have indoor living plants.

Benefit : If plants are well maintained, can reduce noise, direct sunlight, heat, and have a visual aesthetic appearance.

A possible plus to Keep a fresh oxygen flow within and potentially absorbing harmful bacteria.

Energy: Will this building be powered by the grid system? Or Solar energy with a huge battery system?

I am assuming there shall be self contained in house generators as back up.

The on going power costs will be substantial . What ever the source.

Has there been negotiations as to rates to be provided by the local distributors? , if the grid is considered.

Comparative long term costings should a must in a time of energy conservation.

Re: Internal Communication, power wires and leads?

A very costly item in any hospital.

Needing continued maintenance and up grading.

My Question.

Are these buildings, rooms, etc. (boxes) as they appear going to be prefabricated and placed in position with connecting cable-ling or have mobile inter changeable packs that provides the latest technology and communications from around the world to the bed side? .

Doctors, nurses, other staff are a major concern.

There is a world wide shortage of Medical staff and the gap is growing.

It is my thought futuristically qualified nurse attendance's will administer treatment under the direction off a panel of doctors (overseers.) thus reducing some of the demand.

Operation sharing and other potential sharing will link us to the world. And possibly outer world. Already at this time, the technology is there.

Has any thought been given to the control center of the complex?

One shall be required in the life expectancy of this building.

Moving on:

As I understand it there will be some underground facilities.

Has any thought as to how management will get staff patients or other, from one end of the building to another.?

My thought is a possible travolator or underground people moving walk ways be installed,

Consideration to moving patients, medical supplies and other necessary requirements need to be addressed.

This would need to be thought seriously about, Right Now!!!!

The escalators would also need to be addressed as to moving people quickly from floor to floor.; Location, Sizing and consideration as to future loads should be addressed now.

As we have not seen a concept floor plan possibly these matters have been addressed already.

I hope so.

But if they have not, then possibly my time and thoughts have been useful.

I am also available if I can be of assistance, there is still much more I can add.

Yours sincerely

Simone Renton.

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Thank you for your time to read some of my thoughts.