



Diagram illustrating the components and specifications for a wall section:

- Kwiklin beam system as per engineer's drawings and specifications by an approved installer.
- Ex. window to be removed and new fire wall to be installed. All finishes to be made good by specialist.
- NGL
- New reinforced concrete foundation. All to match existing by an approved specialist.

| ZONE 4 - CLASSIFICATION                         |                                                                                                                                                                                                      | H4 / Dwelling Houses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | STATUS   |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|
|                                                 | REQUIREMENTS                                                                                                                                                                                         | ACTUAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |
| DESIGN                                          | The orientation is in accordance with the requirements of 5.1                                                                                                                                        | Building facing North/South with longest axis orientated East/West                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | In order |
| SHADING                                         | The shading is in accordance with the requirements of 5.2                                                                                                                                            | See <b>Fenestration</b> calculations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | In order |
| FENESTRATIONS & ROOF LIGHTS                     | The fenestration is in accordance with the requirements of 5.3                                                                                                                                       | See <b>Fenestration</b> calculations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | In order |
| FLOOR INSULATION<br>for under floor heating     | <div>The floors are in accordance with the requirements of 5.4</div> <div>5.4.1. Surface bed (Heated)<br/>5.4.2. Suspended (Exposed)<br/>R-value =&gt; <b>1.00</b></div>                             | <div><b>Under slab (Heated):</b></div> <div>mm      W/m.K      R-Val.</div> <div>Lambda board      000      0.024      0.00</div> <div><b>Total R-value:</b>      <b>Req. =&gt;1.0</b>      <b>0.00</b>      N/A</div> <div><b>Suspended Floor (Exposed):</b></div> <div>mm      W/m.K      R-Val.</div> <div>Lambda board      000      0.024      0.00</div> <div><b>Total R-value:</b>      <b>Req. =&gt;1.0</b>      <b>0.00</b>      N/A</div>                                                                                                                                                                             |  |          |
| EXTERNAL WALLS<br>Surface density<br>> 270kg/m² | <div>The external walls are in accordance with the requirements of 5.5 (Table 6)</div> <div>Zone 4:<br/>50mm Cavity wall:<br/>R-value =&gt; 0.6</div>                                                | <div><b>External wall:</b></div> <div>mm      W/m.K      R-Val.</div> <div>Outer Air-film (1/20)      1000      20      0.05</div> <div>15mm plaster      015      0.75      0.02</div> <div>110mm Brick      110      0.82      0.13</div> <div>Air-spaces      1000      0.8      0.15</div> <div>Cavity (Lambda board)      000      0.024      0.00</div> <div>110mm Brick      110      0.82      0.13</div> <div>15mm plaster      15      0.75      0.02</div> <div>Inner Air-Film (1/6.4)      1000      9.4      0.11</div> <div><b>Total R-value:</b>      <b>Req. =&gt;0.60</b>      <b>0.61</b>      In order</div> |  |          |
| ROOF & CEILING ASSEMBLY                         | <div>The roof and ceiling assemblies are in accordance with the requirements of 5.6</div> <div>Zone:<br/>Direction of Flow: <b>4 UP</b></div> <div><b>17.5° Tiled roof with angled ceiling</b></div> | <div><b>17.5° PITCH ROOF</b></div> <div>mm      W/m.K      R-Val.</div> <div>Outer Air-film (1/20)      n/a      n/a      0.05</div> <div>Metal Roofing sheeting      0.00      53.00      0.00</div> <div>Air-space &amp; Slatation      n/a      n/a      0.51</div> <div>Isover Aerolite insulation      50.0      0.04      1.25</div> <div>Isover Aerolite insulation      75.0      0.04      1.88</div> <div>Gypsum Ceiling      6.40      0.17      0.04</div> <div>Inner Air-Film (1/11.0)      n/a      n/a      0.09</div> <div><b>Total R-value:</b>      <b>Req. =&gt;3.7</b>      <b>3.82</b>      In order</div> |  |          |
| ROOF & CEILING SEALING                          | The building sealing is in accordance with the requirements of 5.7                                                                                                                                   | <div>A foam or rubber compressible strip or a fluoros seal to restrict air leakage shall be fitted to each edge of an external door and other such opening that serves a habitable room.</div> <div>The maximum air leakage for windows and doors shall comply with the requirements of SANS 613.</div>                                                                                                                                                                                                                                                                                                                         |  | In order |
| HOT WATER<br>Classification H4                  | The building hot water is in accordance with the requirements of 6.1                                                                                                                                 | NO ADDITIONAL BEDROOMS ADDED<br>10L UNDERCOUNTER GEYSER ADDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | In order |
| PIPE INSULATION<br>(hot water pipe)             | Internal pipe diameter ≤ 80mm:<br>Minimum R-value of 1.00                                                                                                                                            | <div>Closed cell elastomeric thermal insulation</div> <div>mm      W/m.K      R-Val.</div> <div>38      0.036      1.06</div> <div><b>Total R-value:</b>      <b>Req. 1.0</b>      <b>1.06</b>      In order</div>                                                                                                                                                                                                                                                                                                                                                                                                              |  |          |
| LIGHTING<br>Classification H4                   | The building lighting is in accordance with the requirements of 6.2                                                                                                                                  | LED & CFL deemed to comply with Table 12 for <b>H3 &amp; H4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | In order |

| Summary        |          |      |                 |                  |           |
|----------------|----------|------|-----------------|------------------|-----------|
| City/Town      | Latitude | Zone | Nett Floor Area | Fenestation Area | Glazing % |
| Port Elizabeth | 33.962   | 4    | 40,00           | 11,60            | 29,00     |

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## DRAWING TITLE:

## MUNICIPAL SUBMISSION

PROJECT TITLE:

ADDITIONS AND ALTERATIONS ON ERF  
2964, PARSONSVLEI, PORT ELIZABETH  
FOR Mr Barnard

16 Oct 24

CLIENT SIGNATURE

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16 Oct 24

PROFESSIONAL SIGNATURE

## MUNICIPAL INFORMATION:

|                  |                         |
|------------------|-------------------------|
| ERF NO:          | <b>2964, Parsonsvei</b> |
| ERF AREA:        | 350 sqm                 |
| EXISTING AREA:   | 129 sqm                 |
| NEW AREA:        | <b>47 sqm</b>           |
| TOTAL AREA:      | 176 sqm                 |
| EX. COVERAGE:    | 70 sqm -20%             |
| NEW COVERAGE:    | <b>47 sqm -13%</b>      |
| TOTAL COVERAGE:  | 117 sqm -33%            |
| NEW GARAGES:     | 0                       |
| NEW BATHROOMS:   | 1                       |
| POOL:            | NO                      |
| BOUNDARY WALLS:  | 0 M                     |
| AGE OF BUILDING: | <60                     |



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