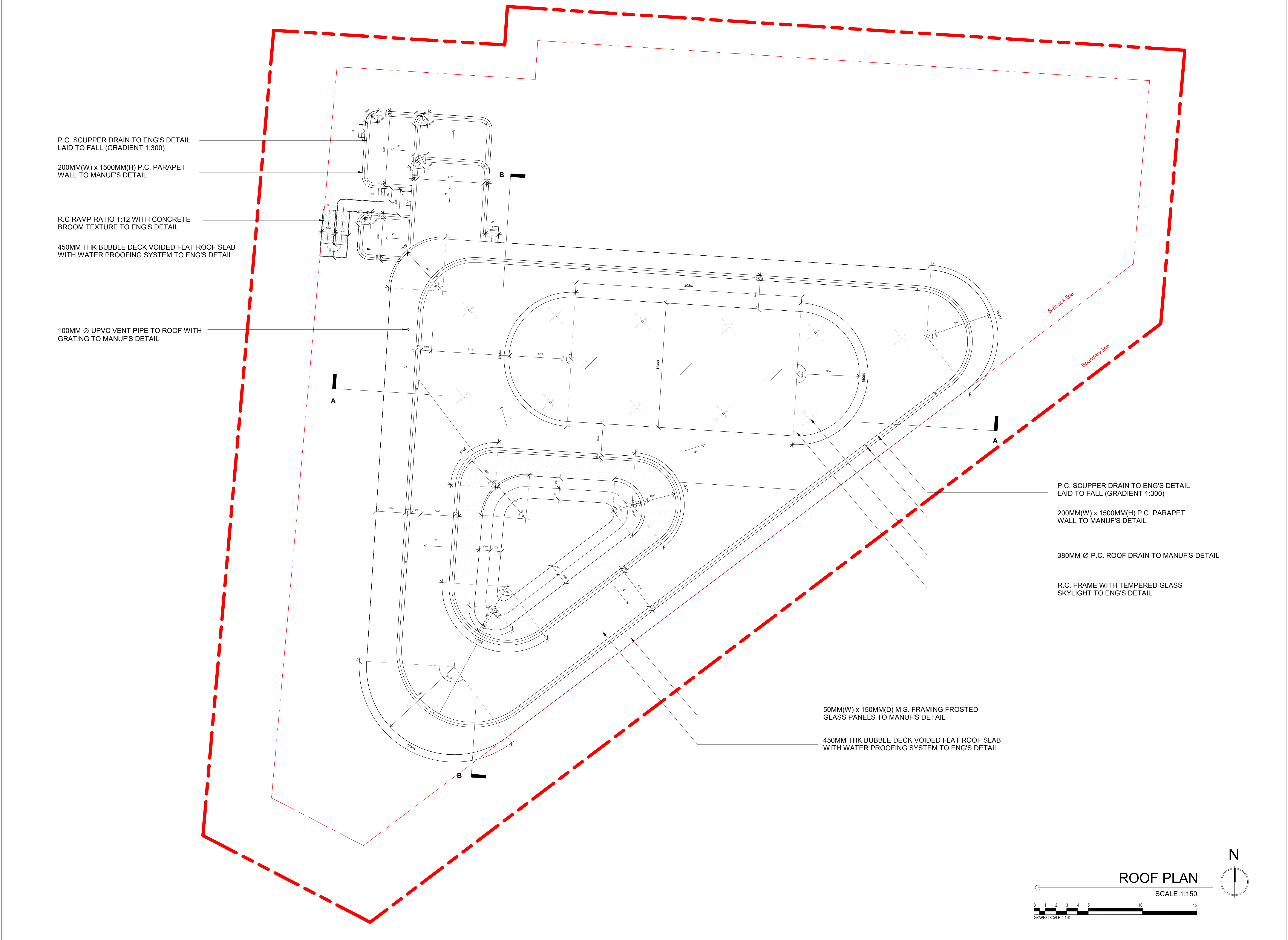
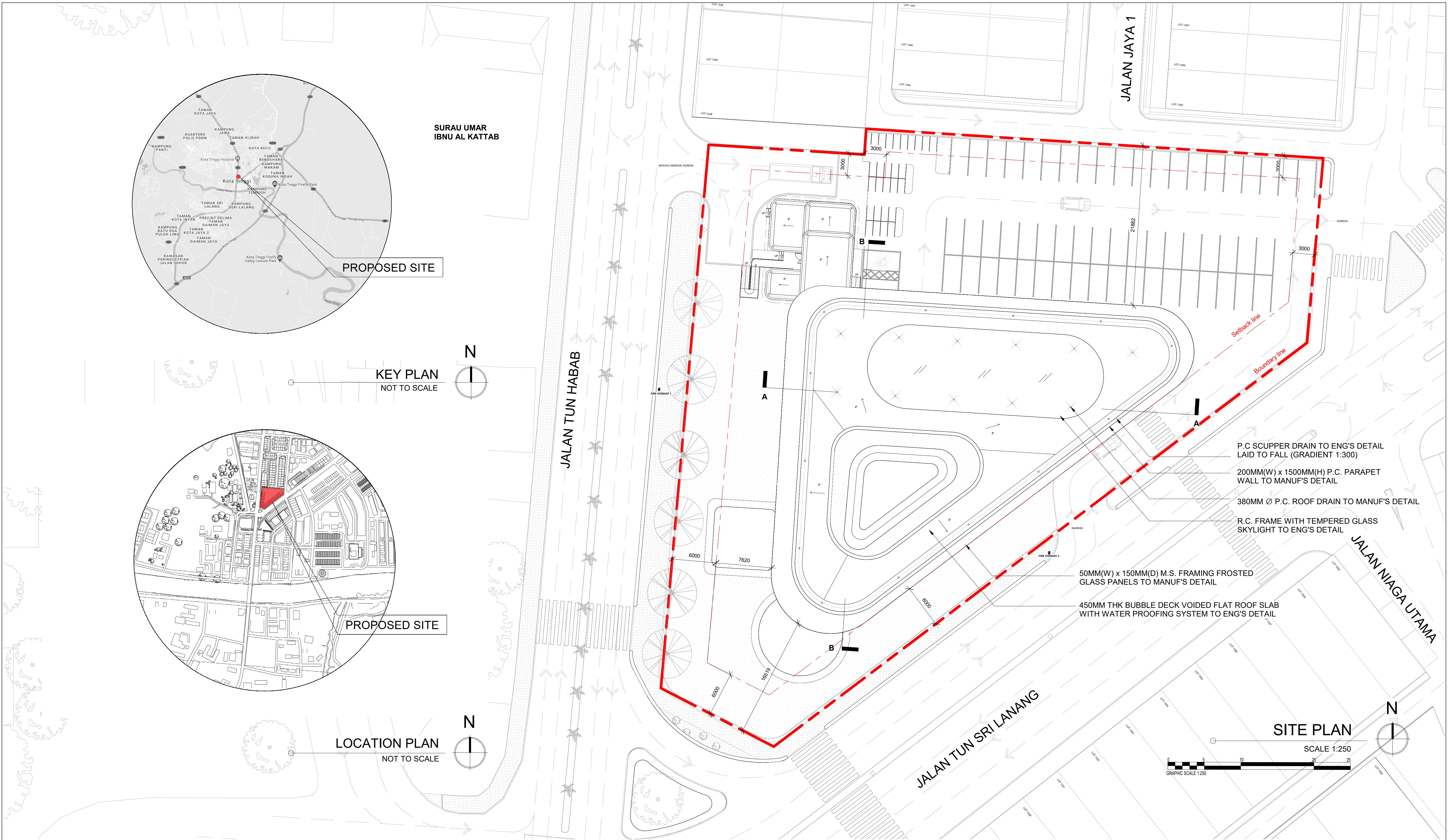
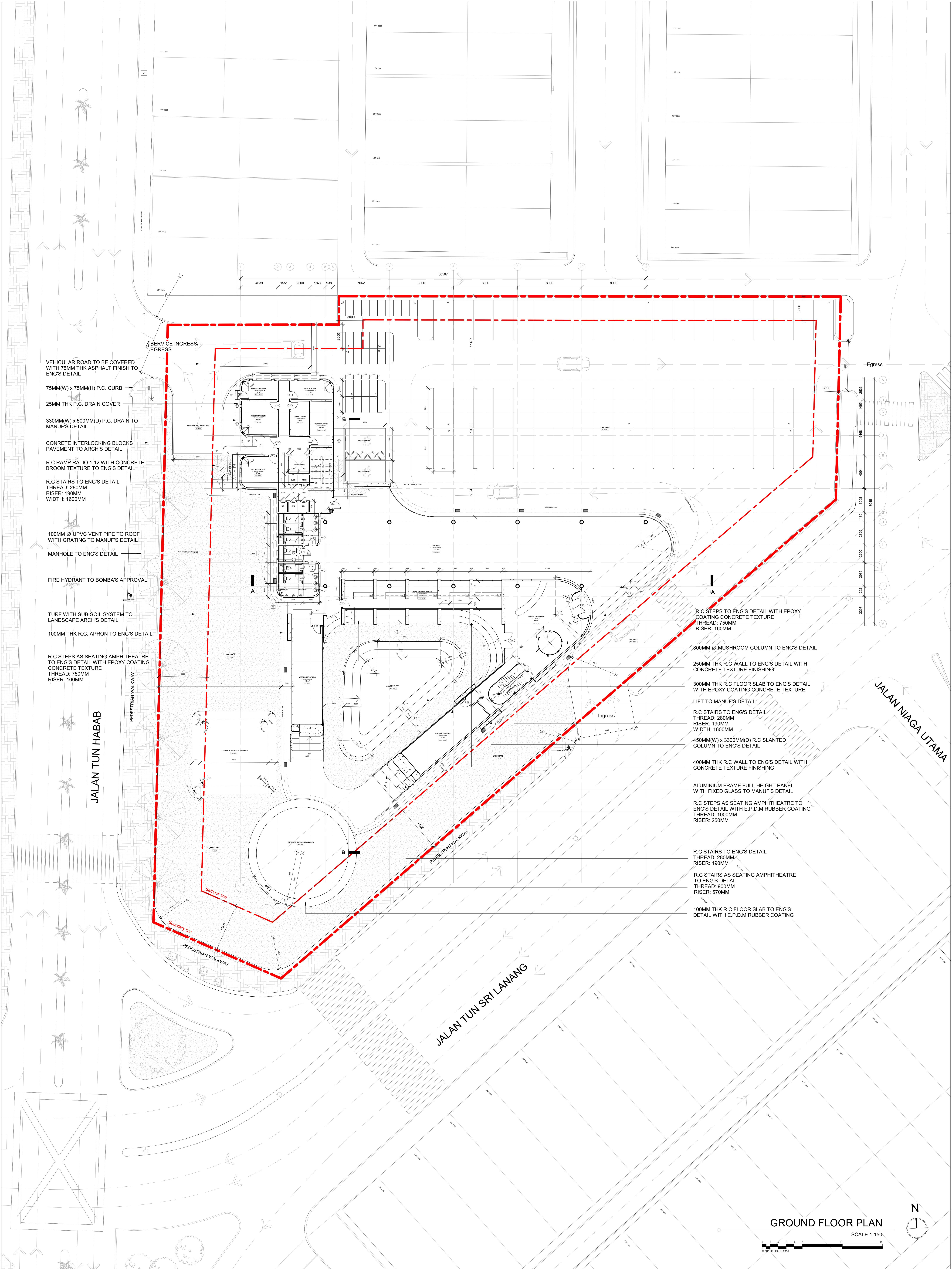




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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--|--------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Client:<br><div><br/><b>CENDANA</b><br/>CULTURAL ECONOMY<br/>DEVELOPMENT AGENCY</div> | Project:                                                                                                            | <div>No.</div> <div>Description</div> <div>Date</div> |  | Drawing Title:                                   | Architect's Signature:                                 | Signature of Land Owner and Contractor:                                                                                                                                                                                                       | <div>Drawing number</div> <div>HQA00</div> |
|                                                                                                                                                                          | <div>SENI-SINI</div> <div>Cadangan Pemajuan Pusat Komuniti Seni dan Budaya Kota Tinggi, Johor Bahru, Malaysia</div> |                                                       |  | KEY PLAN & LOCATION PLAN & SITE PLAN & ROOF PLAN | <div><div>ELEENA JAMIL</div><div>architect</div></div> | <div><br/>Johor Corporation</div> <div><br/>JOHOR LAND BERHAD</div> | <div>Date</div> <div>21 DEC. 2020</div>    |
|                                                                                                                                                                          |                                                                                                                     |                                                       |  |                                                  |                                                        | <div>Project number</div> <div>PKR (B)</div>                                                                                                                                                                                                  |                                            |
|                                                                                                                                                                          |                                                                                                                     |                                                       |  |                                                  |                                                        | <div>Drawn by</div> <div>KRISTINE LOW SZE MIN</div>                                                                                                                                                                                           |                                            |
|                                                                                                                                                                          |                                                                                                                     |                                                       |  |                                                  |                                                        | <div>Checked by</div> <div>DR LENG PAU CHUNG</div>                                                                                                                                                                                            |                                            |
|                                                                                                                                                                          |                                                                                                                     |                                                       |  |                                                  |                                                        | <div>Scale</div> <div>As indicated</div>                                                                                                                                                                                                      |                                            |
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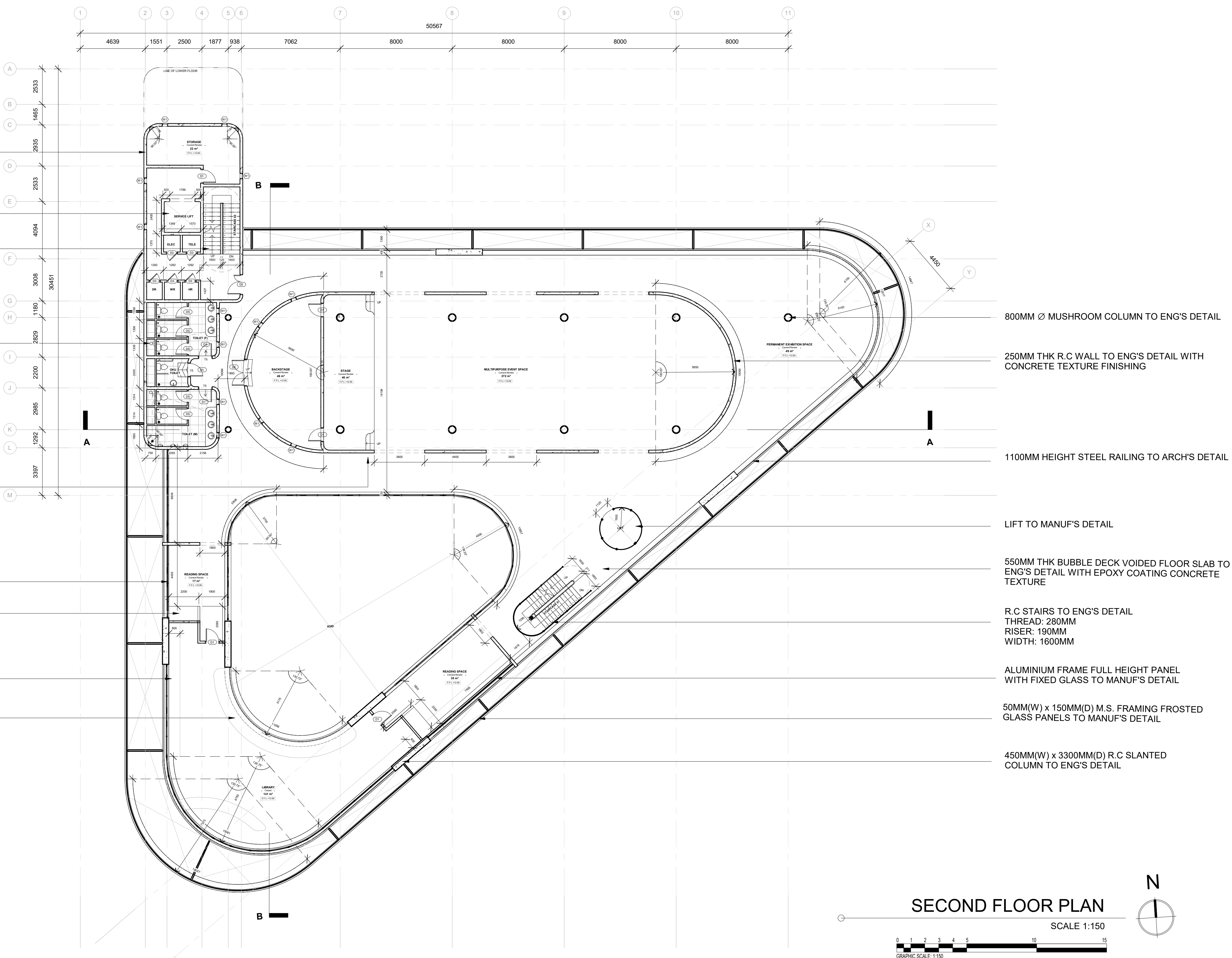
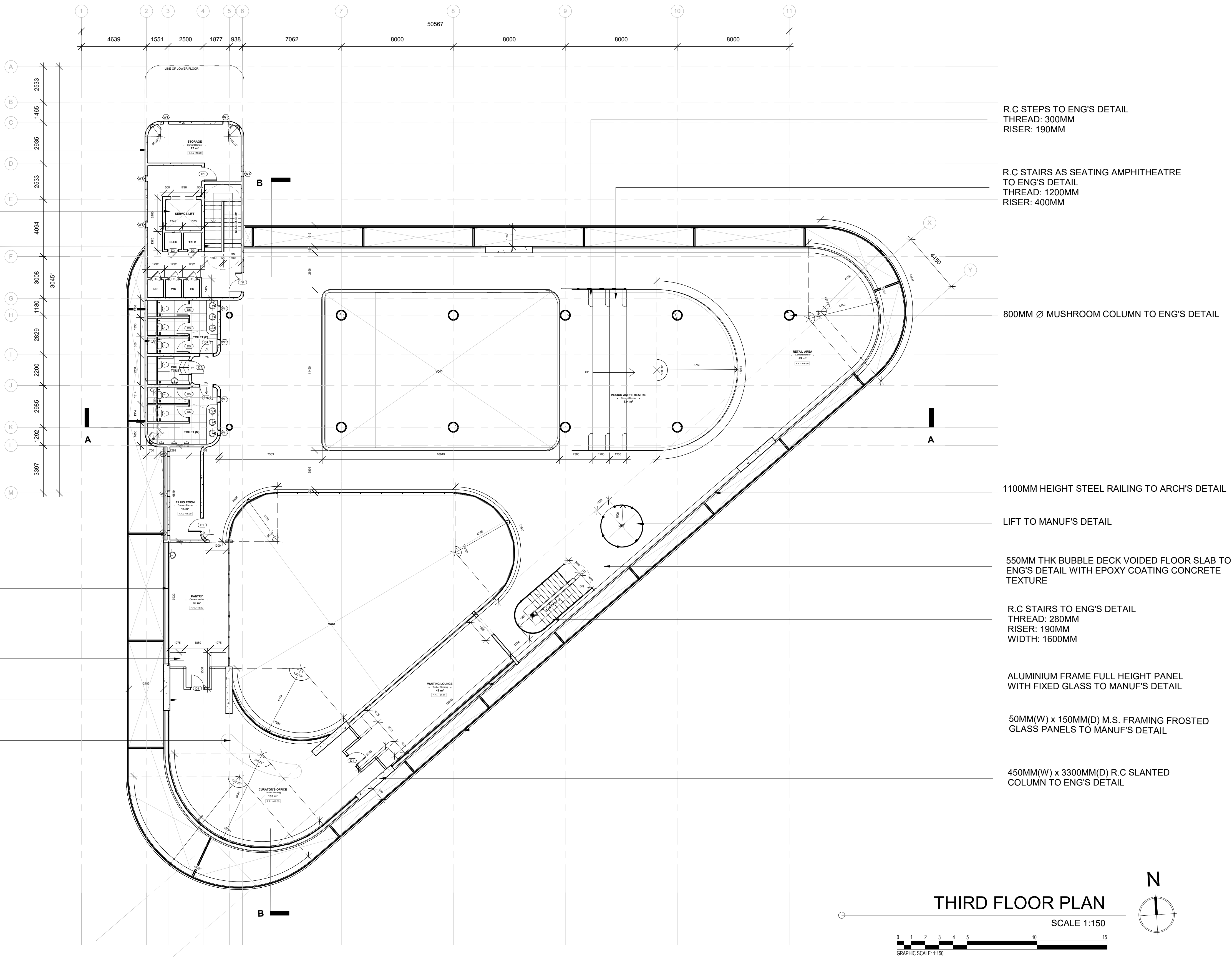


| Client:<br><div><br/>CENDANA<br/>CULTURAL ECONOMY<br/>DEVELOPMENT AGENCY</div> | Project:<br><br>SENI-SINI                       | <table><tr><th>No.</th><th>Description</th><th>Date</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> | No.  | Description | Date                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Drawing Title:<br><br>GROUND FLOOR PLAN | Architect's Signature:<br><br><div><div>ELEENA JAMIL</div><div>architect</div></div> | Signature of Land Owner and Contractor:<br><div><div>JCORP</div><div>Johor Corporation</div><div></div><div>JOHOR LAND BERHAD</div></div> | Drawing number<br>HQA01 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|                                                                                                                                                                   | No.                                             | Description                                                                                                                                                                                                                                                                                                     | Date |             |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
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|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
| Cadangan Pemajuan Pusat<br>Komuniti Seni dan Budaya<br>Kota Tinggi, Johor Bahru,<br>Malaysia                                                                      | Consultant<br>Address<br>Phone<br>Fax<br>e-mail | Consultant<br>Address<br>Address<br>Phone<br>Fax<br>e-mail                                                                                                                                                                                                                                                      |      |             | Date<br>21 DEC. 2020             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             | Project number<br>PKR (B)        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             | Drawn by<br>KRISTINE LOW SZE MIN |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             | Checked by<br>DR LENG PAU CHUNG  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |
|                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                 |      |             | Scale<br>1 : 150                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                         |                                                                                      |                                                                                                                                                                                                                                |                         |



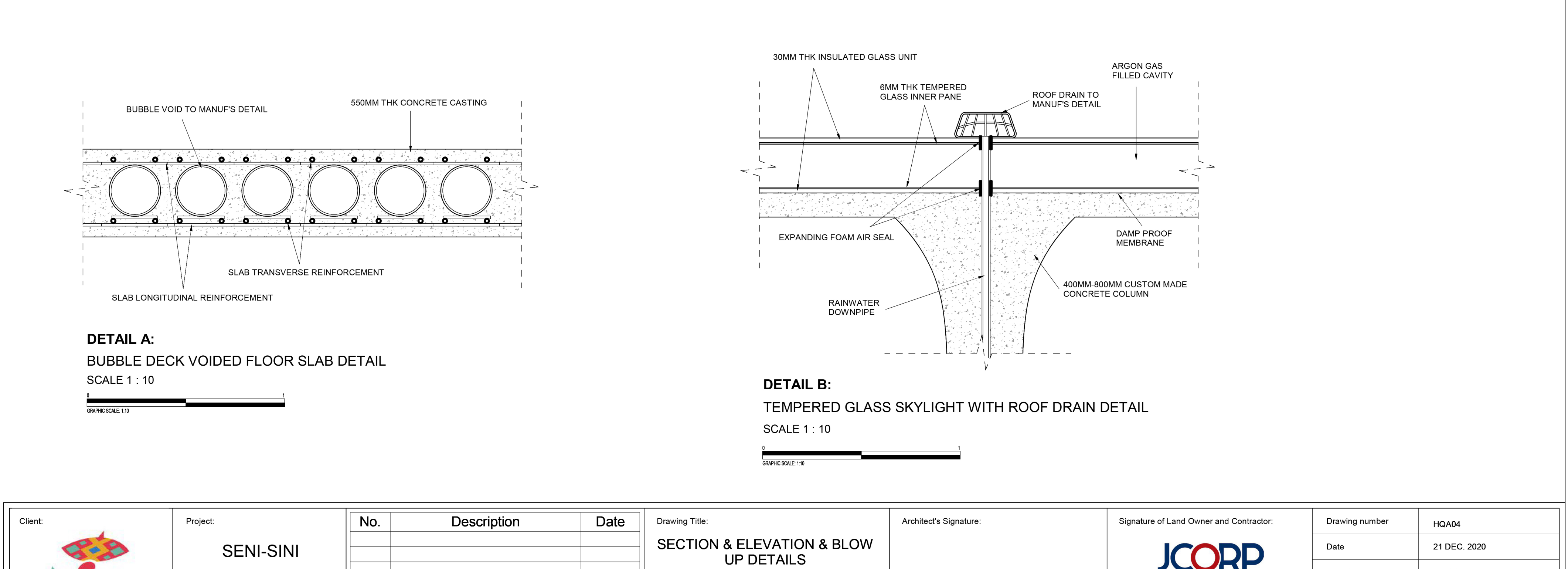
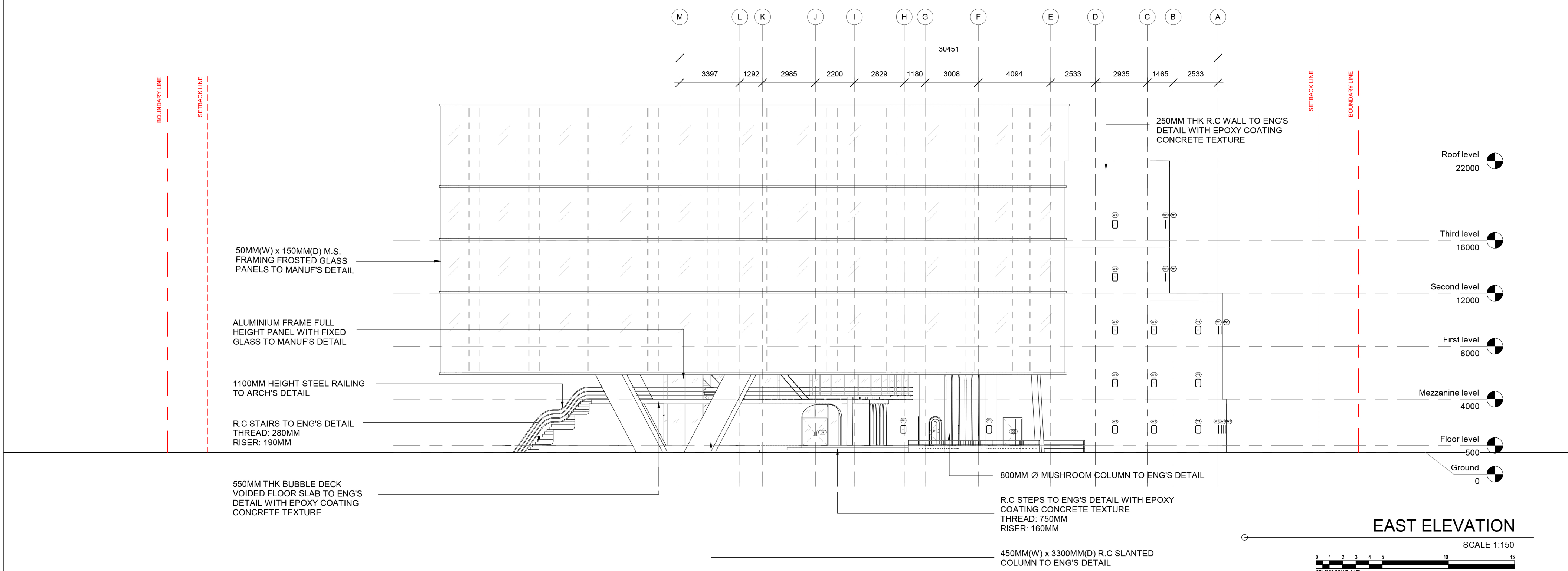
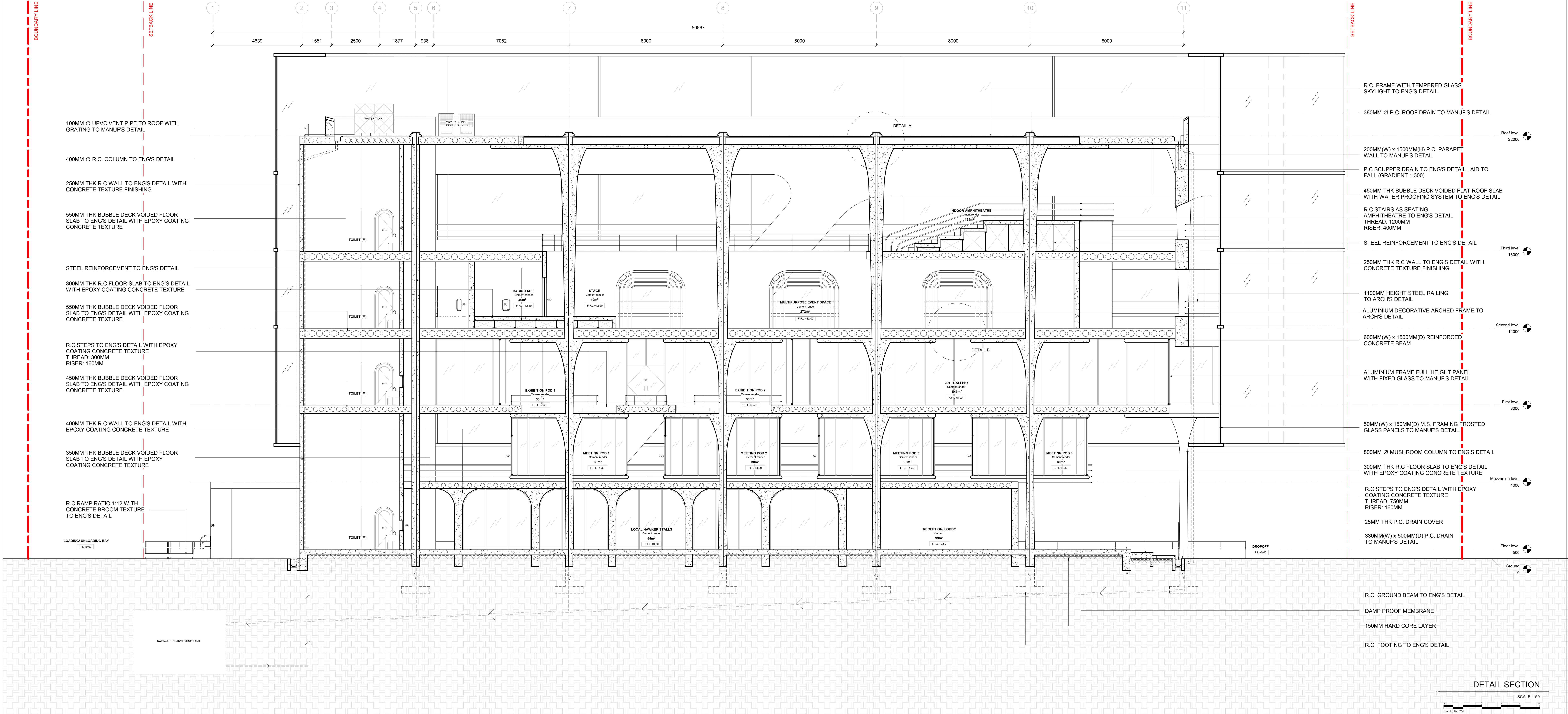






| Client:<br><br>CENDANA<br>CULTURAL ECONOMY<br>DEVELOPMENT AGENCY | Project:<br><br>SENI-SINI                                  | <table><tr><th>No.</th><th>Description</th><th>Date</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> | No.  | Description | Date           |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Drawing Title:<br><br>SECOND FLOOR PLAN &<br>THIRD FLOOR PLAN | Architect's Signature:<br><br> | Signature of Land Owner and Contractor:<br><br><br> | Drawing number | HQA03 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|----------------|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|
|                                                                                                                                                    | No.                                                        | Description                                                                                                                                                                                                                                                              | Date |             |                |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             |                |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             |                |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             |                |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             |                |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             |                |                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
| Cadangan Pemajuan Pusat<br>Komuniti Seni dan Budaya<br>Kota Tinggi, Johor Bahru,<br>Malaysia                                                       | Consultant<br>Address<br>Address<br>Phone<br>Fax<br>e-mail | Consultant<br>Address<br>Address<br>Phone<br>Fax<br>e-mail                                                                                                                                                                                                               |      |             | Drawing        | 21 DEC. 2020         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             | Project number | PKR (B)              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             | Drawn by       | KRISTINE LOW SZE MIN |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             | Checked by     | DR LENG PAU CHUNG    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                          |      |             | Scale          | 1 : 150              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                               |                                                                                                                     |                                                                                                                                                                                                                               |                |       |



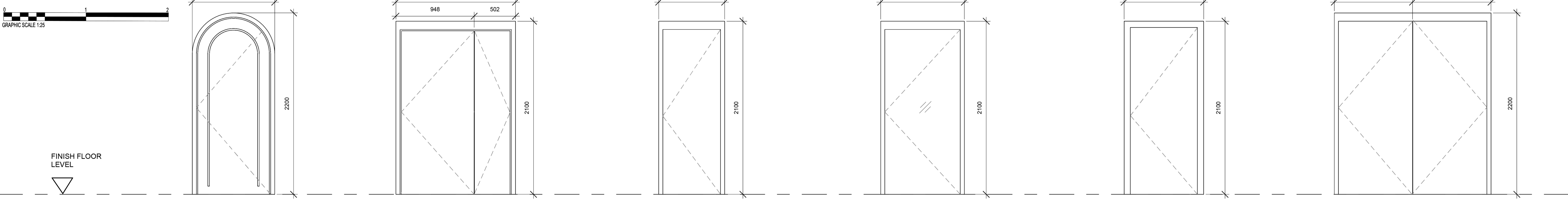


|         |                                                                                     |     |             |      |                                       |                        |                                         |                 |                      |
|---------|-------------------------------------------------------------------------------------|-----|-------------|------|---------------------------------------|------------------------|-----------------------------------------|-----------------|----------------------|
| Client: | Project:                                                                            | No. | Description | Date | Drawing Title:                        | Architect's Signature: | Signature of Land Owner and Contractor: | Drawing number: | HQA04                |
| CENDANA | SENI-SINI                                                                           |     |             |      | SECTION & ELEVATION & BLOW UP DETAILS | ELEENA JAMIL architect | JCORP                                   | Date:           | 21 DEC. 2020         |
|         | Cadangan Pemajuan Pusat Komuniti Seni dan Budaya Kota Tinggi, Johor Bahru, Malaysia |     |             |      | Consultant Address Phone Fax e-mail   |                        | Johor Land Berhad                       | Project number: | PNR (B)              |
|         |                                                                                     |     |             |      |                                       |                        |                                         | Drawn by:       | KRISTINE LOW SZE MIN |
|         |                                                                                     |     |             |      |                                       |                        |                                         | Checked by:     | DR LENG PAU CHUNG    |
|         |                                                                                     |     |             |      |                                       |                        |                                         | Scale:          | As indicated         |



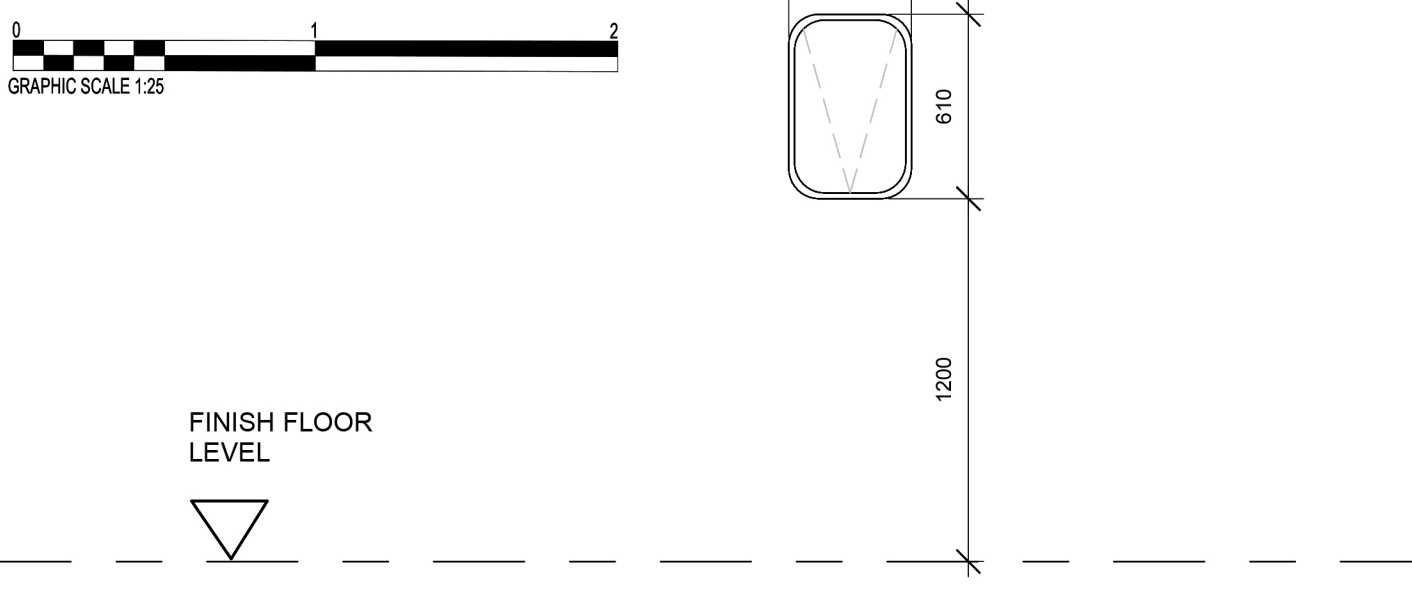
DOOR SCHEDULE

SCALE 1:25

|           |                                                                                    |                                                           |                                                              |                                                            |                                                                |                                                        |
|-----------|------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------|
| DOOR TYPE |  |                                                           |                                                              |                                                            |                                                                |                                                        |
|           | D1                                                                                 | D2                                                        | D3                                                           | D4                                                         | D5                                                             | D6                                                     |
|           | METAL FRAME SINGLE TIMBER FLUSH DOOR TO MANUF'S DETAIL                             | METAL FRAME 1 1/2 HOURS FIRE RATED DOOR TO MANUF'S DETAIL | METAL FRAME SINGLE LEAF PLYWOOD FLUSH DOOR TO MANUF'S DETAIL | 8MM THK TEMPERED GLASS SINGLE SWING DOOR TO MANUF'S DETAIL | METAL FRAME SINGLE MARINE PLYWOOD FLUSH DOOR TO MANUF'S DETAIL | METAL FRAME DOUBLE TIMBER FLUSH DOOR TO MANUF'S DETAIL |
|           | 1000MM(W) x 2200MM(H)                                                              | 1450MM(W) x 2100MM(H)                                     | 800MM(W) x 2100MM(H)                                         | 1014MM(W) x 2100MM(H)                                      | 965MM(W) x 2100MM(H)                                           | 1900MM(W) x 2200MM(H)                                  |
| LOCATION  | GROUND FLOOR, FIRST FLOOR, SECOND FLOOR, THIRD FLOOR                               | GROUND FLOOR, FIRST FLOOR, SECOND FLOOR, THIRD FLOOR      | GROUND FLOOR, FIRST FLOOR, SECOND FLOOR, THIRD FLOOR         | MEZZANINE FLOOR                                            | GROUND FLOOR, FIRST FLOOR, SECOND FLOOR, THIRD FLOOR           | SECOND FLOOR                                           |

WINDOW SCHEDULE

SCALE 1:25

|             |                                                                                   |  |
|-------------|-----------------------------------------------------------------------------------|--|
| WINDOW TYPE |  |  |
|             | W1                                                                                |  |
|             | METAL FRAME FROSTED GLASS TOP HUNG WINDOW TO MANUF'S DETAIL                       |  |
|             | 405MM(W) x 610MM(H)                                                               |  |
| LOCATION    | GROUND FLOOR, FIRST FLOOR, SECOND FLOOR, THIRD FLOOR                              |  |

| ROOM SCHEDULE              |        |                 |                 |                  |
|----------------------------|--------|-----------------|-----------------|------------------|
| Name                       | Area   | Level           | Floor Finish    | Unbounded Height |
| Floor level                |        |                 |                 |                  |
| REFUSE CHAMBER             | 10 m²  | Floor level     | Cement render   | 4000             |
| SWITCH ROOM                | 12 m²  | Floor level     | Cement render   | 4000             |
| FIRE PUMP ROOM             | 18 m²  | Floor level     | Cement render   | 4000             |
| GENSET ROOM                | 10 m²  | Floor level     | Cement render   | 4000             |
| CONTROL ROOM               | 15 m²  | Floor level     | Cement render   | 4000             |
| TNB SUBSTATION             | 17 m²  | Floor level     | Cement render   | 4000             |
| LOCAL HAWKER STALLS        | 64 m²  | Floor level     | Cement render   | 4000             |
| RECEPTION/ LOBBY           | 99 m²  | Floor level     | Carpet          | 4000             |
| SENI-SINI ART SHOP         | 41 m²  | Floor level     | Timber flooring | 4000             |
| EATERY                     | 255 m² | Floor level     | Cement render   | 4000             |
| WORKSHOP STUDIO            | 47 m²  | Floor level     | Timber flooring | 4000             |
|                            | 587 m² |                 |                 |                  |
| Mezzanine level            |        |                 |                 |                  |
| MEETING POD 1              | 30 m²  | Mezzanine level | Epoxy finish    | 4000             |
| MEETING POD 2              | 30 m²  | Mezzanine level | Epoxy finish    | 4000             |
| MEETING POD 3              | 30 m²  | Mezzanine level | Epoxy finish    | 4000             |
| MEETING POD 4              | 30 m²  | Mezzanine level | Epoxy finish    | 4000             |
| TEMPORARY EXHIBITION SPACE | 31 m²  | Mezzanine level | Cement render   | 4000             |
| TEMPORARY EXHIBITION SPACE | 44 m²  | Mezzanine level | Cement render   | 4000             |
|                            | 194 m² |                 |                 |                  |

| ROOM SCHEDULE              |         |              |                  |                  |
|----------------------------|---------|--------------|------------------|------------------|
| Name                       | Area    | Level        | Floor Finish     | Unbounded Height |
| First level                |         |              |                  |                  |
| MUSOLLA (M)                | 21 m²   | First level  | Homogenous tiles | 4000             |
| MUSOLLA (F)                | 25 m²   | First level  | Homogenous tiles | 4000             |
| ART GALLERY                | 549 m²  | First level  | Cement render    | 4000             |
| EXHIBITION POD 2           | 31 m²   | First level  | Cement render    | 4000             |
| EXHIBITION POD 1           | 30 m²   | First level  | Cement render    | 4000             |
|                            | 656 m²  |              |                  |                  |
| Second level               |         |              |                  |                  |
| LIBRARY                    | 141 m²  | Second level | Cement render    | 4000             |
| READING SPACE              | 30 m²   | Second level | Cement render    | 4000             |
| READING SPACE              | 17 m²   | Second level | Cement render    | 4000             |
| STORAGE                    | 22 m²   | Second level | Cement render    | 4000             |
| BACKSTAGE                  | 46 m²   | Second level | Cement render    | 4000             |
| STAGE                      | 40 m²   | Second level | Cement render    | 4000             |
| MULTIPURPOSE EVENT SPACE   | 272 m²  | Second level | Cement render    | 4000             |
| PERMANENT EXHIBITION SPACE | 49 m²   | Second level | Cement render    | 4000             |
|                            | 615 m²  |              |                  |                  |
| Third level                |         |              |                  |                  |
| STORAGE                    | 22 m²   | Third level  | Cement render    | 4000             |
| FILING ROOM                | 15 m²   | Third level  | Cement render    | 4000             |
| INDOOR AMPHITHEATRE        | 134 m²  | Third level  | Cement render    | 4000             |
| PANTRY                     | 35 m²   | Third level  | Cement render    | 4000             |
| WAITING LOUNGE             | 46 m²   | Third level  | Timber flooring  | 4000             |
| CURATOR'S OFFICE           | 105 m²  | Third level  | Timber flooring  | 4000             |
| RETAIL AREA                | 49 m²   | Third level  | Cement render    | 4000             |
|                            | 405 m²  |              |                  |                  |
| Grand total                | 2458 m² |              |                  |                  |

SITE CONTEXT, PLANNING, PARKING & LOCAL LAW

Local law:

Based on Rancangan Tempatan Daerah (RTD) Kota Tinggi:

|                      |                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Plot ratio           | 1:4                                                                                                                                                                                                                                                                       |
| Plinth area/ setback | • Separation distance between buildings minimum of 6.0m (for security, ventilation and nature purposes)<br>• Facing main road: 6.0m<br>• Sides/back: 3.0m                                                                                                                 |
| Green area           | Minimum 10% of project's site                                                                                                                                                                                                                                             |
| Landscaping          | • Plan trees on the roadside (non-poisonous, thornless trees)<br>• Pedestrian walk (1.8m wide minimum), rubbish bins, signboard and streetlights<br>• OKU ramp with maximum 8% gradient<br>• Buffer zone to control sound pollution<br>• Provide CCTV for safety purposes |

Parking calculation:

|                                            |                                                                                                                               |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Pusat Komuniti/Dewan Serbaguna/Orang Ramai | a. 1 petak kereta/25m² ruang lantai atau 1 petak kereta/10 tempat duduk.<br>b. Tambahan 1 petak motosikal / 50m2 ruang lantai |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|

Building type: Community Centre (Place of assembly)

Parking requirement for place of assembly : 1car park/ 25m2

\*(based on 'Garis Panduan Perancangan Tempat Letak Kenderaan 2017)\*

Built up area: 2000m2

Net rentable (70%x2000m2): 1400m2

1400m2/25m2 = 56 parking

Motorcycle parking: 1motorcyle parking/50m2

1400m2/50m2 = 28 motorcycle parking

OKU parking:

| JUMLAH PETAK LETAK KERETA BIASA | BILANGAN PETAK LETAK KERETA OKU                                     |
|---------------------------------|---------------------------------------------------------------------|
| Sehingga 25                     | 1 petak                                                             |
| Sehingga 50                     | 2 petak                                                             |
| Sehingga 100                    | 4 petak                                                             |
| Sehingga 200                    | 6 petak                                                             |
| Melebihi 200                    | 6 petak + 1 petak tambahan bagi setiap 100 petak letak kereta biasa |
| 501 sehingga 1,000              | 2% daripada jumlah TLK biasa                                        |
| Melebihi 1,000                  | 20 unit dan tambahan 1 unit bagi tambahan setiap 100 TLK biasa      |

\*\*\*TOTAL: 56 car parks + 28 motorcycle parkings + 2 OKU parking

SERVICES & UNIVERSAL DESIGN

Toilet calculation:

Requirement based on 'Acceptable Solutions and Verification Methods For New Zealand Building Code Clause G1 Personal hygiene': section 175 of the Building Act 2004

Number of building occupants: 120 persons

Option 5 - Single sex with pans and urinals for males, plus accessible unisex

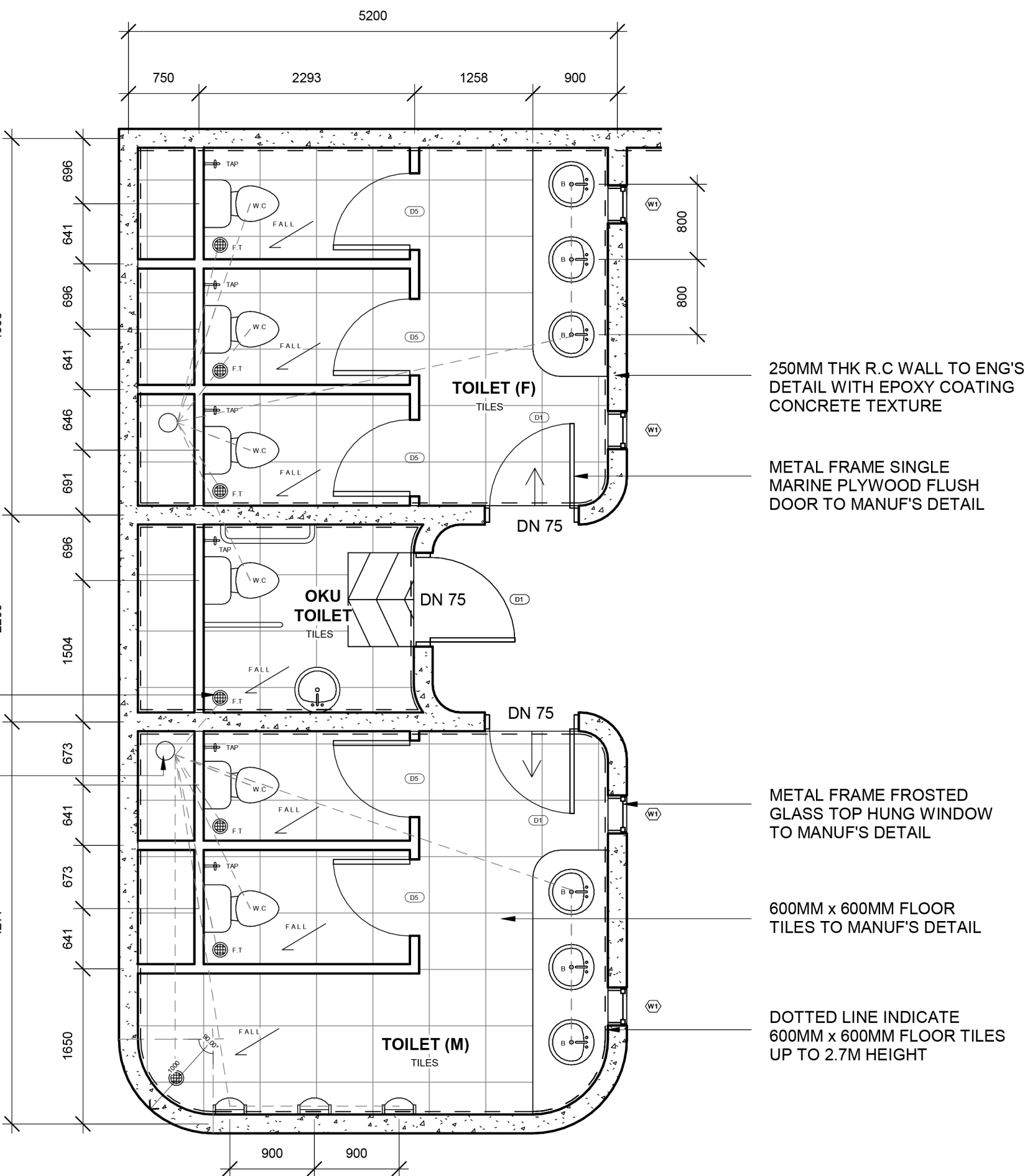
|                       |   |
|-----------------------|---|
| Female                |   |
| Pans                  | 2 |
| Basins                | 1 |
| Male                  |   |
| Pans                  | 2 |
| Urinals               | 1 |
| Basins                | 1 |
| Unisex                |   |
| Accessible facilities | 1 |

Number of toilet/ basin/ urinal provided per floor:

|        |   |
|--------|---|
| Female |   |
| Toilet | 3 |
| Basin  | 3 |
| Male   |   |
| Toilet | 2 |
| Basin  | 3 |
| Urinal | 3 |
| OKU    |   |
| Toilet | 1 |
| Basin  | 1 |

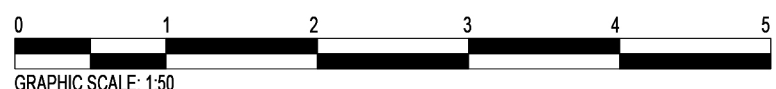
150MM x 150MM UPVC FLOOR TRAP TO MANUF'S DETAIL

100MM Ø UPVC VENT PIPE TO ROOF WITH GRATING TO MANUF'S DETAIL



SANITARY LAYOUT

SCALE 1:50



Water supply calculation:

| Appliances   | Male Toilet | Female Toilet | OKU Toilet | Ablution Area | Pantry | Hawker Stalls |
|--------------|-------------|---------------|------------|---------------|--------|---------------|
| GROUND FLOOR |             |               |            |               |        |               |
| Water closet | 2           | 3             | 1          | -             | -      | -             |
| Washbasin    | 3           | 3             | 1          | -             | -      | -             |
| Urinal       | 3           | -             | -          | -             | -      | -             |
| Sink         | -           | -             | -          | -             | -      | 5             |
| Water tap    | 2           | 3             | 1          | -             | -      | -             |
| FIRST FLOOR  |             |               |            |               |        |               |
| Water closet | 2           | 3             | 1          | -             | -      | -             |
| Washbasin    | 3           | 3             | 1          | -             | -      | -             |
| Urinal       | 3           | -             | -          | -             | -      | -             |
| Sink         | -           | -             | -          | -             | -      | -             |
| Water tap    | 2           | 3             | 1          | 4             | -      | -             |

|              |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|
| SECOND FLOOR |   |   |   |   |   |   |
| Water closet | 2 | 3 | 1 | - | - | - |
| Washbasin    | 3 | 3 | 1 | - | - | - |
| Urinal       | 3 | - | - | - | - | - |
| Sink         | - | - | - | - | - | - |
| Water tap    | 2 | 3 | 1 | - | - | - |
| THIRD FLOOR  |   |   |   |   |   |   |
| Water closet | 2 | 3 | 1 | - | - | - |
| Washbasin    | 3 | 3 | 1 | - | - | - |
| Urinal       | 3 | - | - | - | - | - |
| Sink         | - | - | - | - | 1 | - |
| Water tap    | 2 | 3 | 1 | - | - | - |

Estimation of water capacity requirement for building

|              |    |              |                 |
|--------------|----|--------------|-----------------|
| Water closet | 24 | x 180 litres | = 4320 litres   |
| Washbasin    | 28 | x 90 litres  | = 2520 litres   |
| Urinal       | 12 | x 180 litres | = 2160 litres   |
| Sink         | 6  | x 130 litres | = 780 litres    |
| Water tap    | 28 | x 90 litres  | = 2520 litres   |
| TOTAL        |    |              | = 12,300 litres |

Given the usage factor is 85%

Then, total water capacity requirement

= 85/100 x 12,300 litres

= 10,455 litres

Water tank size calculation:

Normally, 15% is added to the total water capacity requirement

= 115/100 x 10,455 litres

= 12,023.25 litres

= 12,023 litres

\*\*\*Hence, the building requires 3 x 4000 litre water tank

|                                                                                                                                                                                     |                                                                                     |     |             |      |                                            |                        |                                         |                                                                                                                                                                                                   |                |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|-------------|------|--------------------------------------------|------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|
| <div>Client:</div> <div></div> <div>CENDANA</div> <div>CULTURAL ECONOMY DEVELOPMENT AGENCY</div> | Project:                                                                            | No. | Description | Date | Drawing Title:                             | Architect's Signature: | Signature of Land Owner and Contractor: | Drawing number                                                                                                                                                                                    | HQA05          |                      |
|                                                                                                                                                                                     | SENI-SINI                                                                           |     |             |      | ROOM/ DOOR/ WINDOW SCHEDULE & CALCULATIONS |                        |                                         |                                                                                                                                                                                                   | Date           | 21 DEC. 2020         |
|                                                                                                                                                                                     | Cadangan Pemajuan Pusat Komuniti Seni dan Budaya Kota Tinggi, Johor Bahru, Malaysia |     |             |      |                                            |                        |                                         |                                                                                                                                                                                                   | Project number | PKR (B)              |
|                                                                                                                                                                                     |                                                                                     |     |             |      |                                            | Consultant Address     | Consultant Address                      |                                                                                                                                                                                                   | Drawn by       | KRISTINE LOW SZE MIN |
|                                                                                                                                                                                     |                                                                                     |     |             |      |                                            | Address                | Address                                 |                                                                                                                                                                                                   | Checked by     | DR LENG PAU CHUNG    |
|                                                                                                                                                                                     |                                                                                     |     |             |      |                                            | Phone                  | Phone                                   | <div></div> <div></div> | Scale          | As indicated         |
|                                                                                                                                                                                     |                                                                                     |     |             |      |                                            | Fax                    | Fax                                     |                                                                                                                                                                                                   |                |                      |
|                                                                                                                                                                                     |                                                                                     |     |             |      | e-mail                                     | e-mail                 |                                         |                                                                                                                                                                                                   |                |                      |



UBBL & FIRE REGULATIONS

Storey exit width calculation:

Based on UBBL 1984: Seventh Schedule, for purpose group VII (Places of Assembly):  
1. occupant load per square metre is 1.5 net.  
2. capacity exit width for stairs is 75

| First Floor       |                                                               |
|-------------------|---------------------------------------------------------------|
| Net floor area    | 656 sqm                                                       |
| Occupant load     | 656 sqm ÷ 1.5 = 437                                           |
| Storey exit width | 437 ÷ 75 = 5.82 units (1 unit = 550mm)<br>5.82 x 550 = 3201mm |
| Second Floor      |                                                               |
| Net floor area    | 566 sqm                                                       |
| Occupant load     | 566 sqm ÷ 1.5 = 377                                           |
| Storey exit width | 377 ÷ 75 = 5.03 units (1 unit = 550mm)<br>5.03 x 550 = 2766mm |
| Third Floor       |                                                               |
| Net floor area    | 356 sqm                                                       |
| Occupant load     | 356 sqm ÷ 1.5 = 237                                           |
| Storey exit width | 237 ÷ 75 = 3.16 units (1 unit = 550mm)<br>3.16 x 550 = 1738mm |

Number of staircase calculation:

Complying with UBBL By-Law 177,  
Number and width of stairs provided: 2 x 1600mm

Fire appliance access:

Total net floor area: 2285 sqm  
Total building volume  
= 2285 sqm x 4m (height)  
= 9140 cubic metre

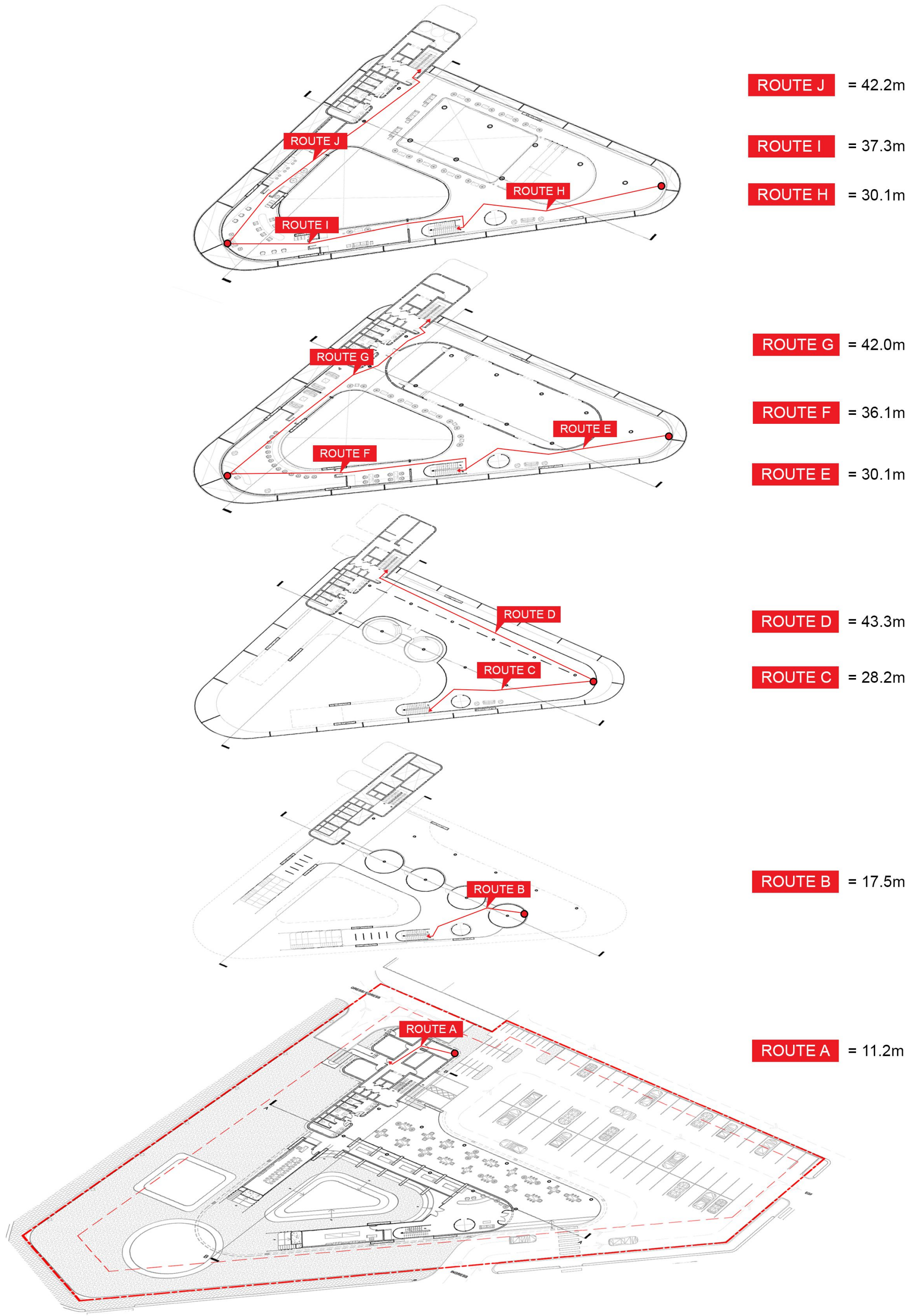
\*\*\*Based on UBBL By-Law 140, volume of building within the range of 7000 to 28000 cubic metre requires a minimum one-sixth perimeter of building for fire appliance access.

Travel distance and dead-end limit:

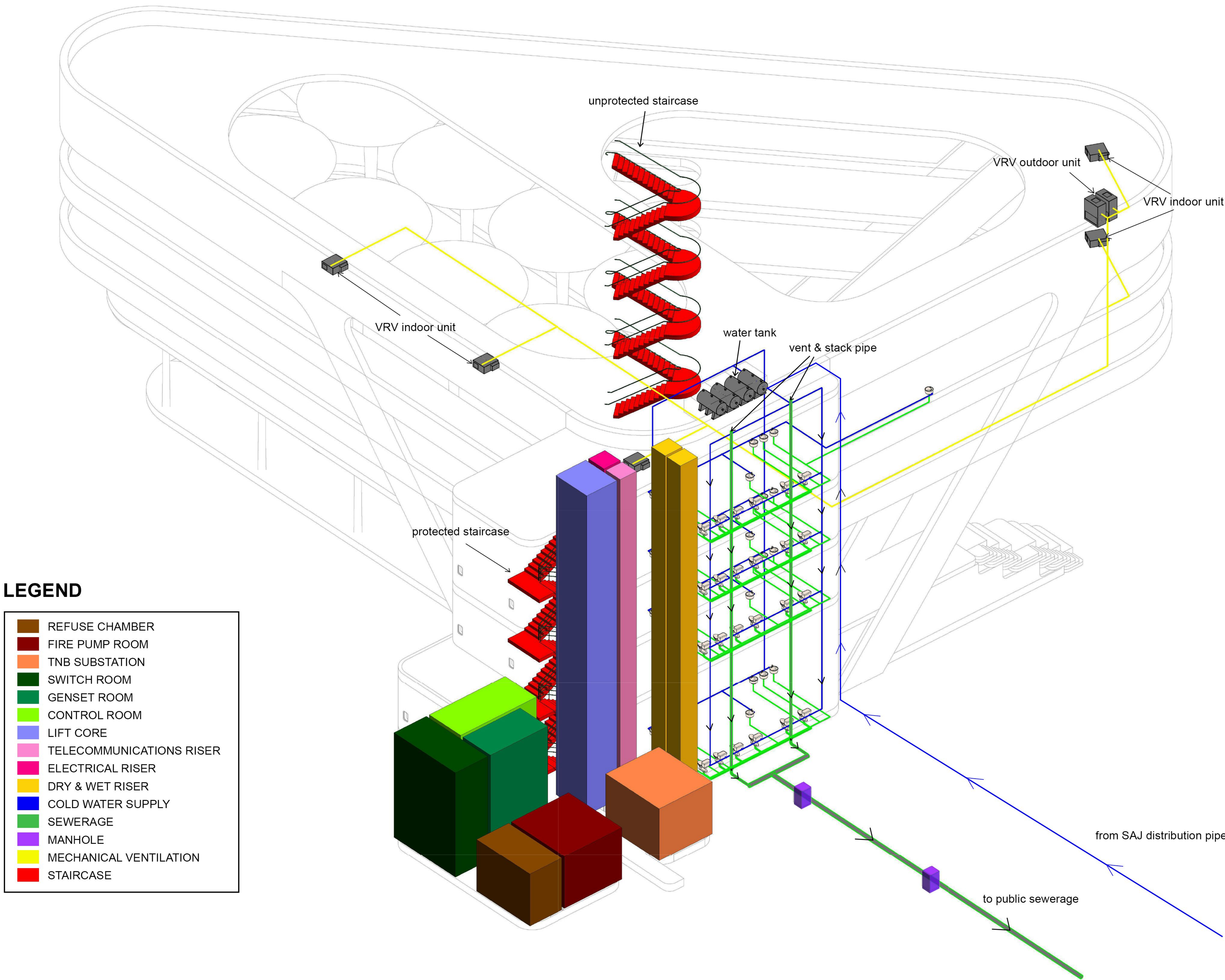
Based on UBBL 1984: Seventh Schedule, for purpose group VII (Places of Assembly):  
1. Dead-end limit: No requirement  
2. Travel distance (Sprinklered): 61m

Active fire-fighting system:

Based on UBBL 1984: Tenth Schedule, for purpose group VII (Places of Assembly):  
1. Extinguishing system: Automatic sprinklers & hose reel  
2. Fire alarm system: Manual electrical fire alarm system  
3. Emergency lighting: Central battery



FIRE ESCAPE SCHEMATIC DIAGRAM  
NOT TO SCALE



STRUCTURAL & SERVICES DIAGRAM  
NOT TO SCALE

| Client:<br><br><b>CENDANA</b><br>CULTURAL ECONOMY<br>DEVELOPMENT AGENCY | Project:<br><br><b>SENI-SINI</b>                                    | <table><tr><th>No.</th><th>Description</th><th>Date</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> | No.  | Description | Date           |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Drawing Title:<br><br><b>FIRE REGULATIONS &amp; SERVICES<br/>DIAGRAM</b> | Architect's Signature:<br><br> | Signature of Land Owner and Contractor:<br><br><br> | Drawing number | HQA06 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|----------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|
|                                                                                                                                                            | No.                                                                 | Description                                                                                                                                                                                                                                                                                                     | Date |             |                |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                          |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
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| Cadangan Pemajuan Pusat<br>Komuniti Seni dan Budaya<br>Kota Tinggi, Johor Bahru,<br>Malaysia                                                               | Consultant<br>Address<br>Address<br>Phone<br>Phone<br>Fax<br>e-mail | Consultant<br>Address<br>Address<br>Phone<br>Phone<br>Fax<br>e-mail                                                                                                                                                                                                                                             |      |             | Date           | 21 DEC. 2020 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                          |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                            |                                                                     |                                                                                                                                                                                                                                                                                                                 |      |             | Project number | PKR (B)      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                          |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                            |                                                                     |                                                                                                                                                                                                                                                                                                                 |      |             | Drawn by       | Author       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                          |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                            |                                                                     |                                                                                                                                                                                                                                                                                                                 |      |             | Checked by     | Checker      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                          |                                                                                                                     |                                                                                                                                                                                                                               |                |       |
|                                                                                                                                                            |                                                                     |                                                                                                                                                                                                                                                                                                                 |      |             | Scale          |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                          |                                                                                                                     |                                                                                                                                                                                                                               |                |       |