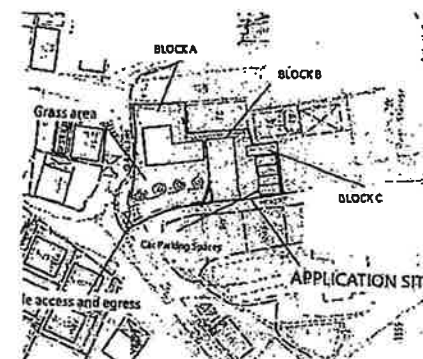


# F.S. NOTES

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN MM.
2. ACCORDING TO CODES OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT 2012, CLAUSE 5.11 & 5.14, MFA SYSTEM & FIRE HOSE REEL SYSTEM SHALL BE PROVIDED.
3. 2000 LITRE EFFECTIVE STORAGE CAPACITY GRP F.S. WATER TANK SHALL BE PROVIDED AT G/F FOR THE HOSE REEL SYSTEM.
4. POWER SUPPLY CABLE FOR FIXED FIRE PUMPS, FIRE ALARM BELLS AND MFA CONTROL PANEL SHOULD BE OF FIRE RESISTING TYPE TO BS6387 CAT. CWZ.
5. IN ACCORDANCE WITH PARA. 5.9 OF THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT 2012, EMERGENCY LIGHT SHALL BE PROVIDED.
6. ALL ASSOCIATED BUILDING WORKS OF FIRE SAFETY IMPROVEMENT WORKS ARE SUBJECT TO THE CONTROL UNDER BUILDING ORDINANCE, APPROVAL AND CONSENT FROM BUILDING AUTHORITY FOR SUCH WORKS (IF ANY) SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF THE BUILDING WORKS, EXCEPT FOR THOSE BUILDING WORKS WHICH ARE UNDER THE CONTROL OF THE MINOR WORK CONTROL SYSTEM.
7. THE ELECTRICAL INSTALLATION WORKS SHALL COMPLY WITH THE ELECTRICITY ORDINANCE AND THE POWER COMPANY'S SUPPLY RULES.
8. THE PLUMBING INSTALLATION SYSTEM OF FIRE SERVICES INSTALLATION IS SUBJECT TO THE REQUIREMENTS OF THE WATER AUTHORITY.
9. EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266: PART 1:2016 + BS EN 1838:2013.
10. EXIT SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH BS 5499: PART 10.
11. SOURCE OF SECONDARY POWER SUPPLY FOR THE PROPOSED FSIs SHALL BE PROVIDED.



BLOCK PLAN

## ABBREVIATIONS

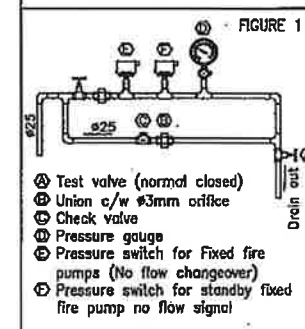
|      |                          |      |                              |
|------|--------------------------|------|------------------------------|
| F/A  | FROM ABOVE               | MH   | ACCESS MANHOLE               |
| F/B  | FROM BELOW               | VP   | VENT PIPE                    |
| T/A  | TO ABOVE                 | OF   | OVERFLOW PIPE                |
| T/B  | TO BELOW                 | CL   | CAT LADDER                   |
| L/L  | LOW LEVEL                | SPN  | SINGLE POLE & NEUTRAL        |
| M/L  | MIDDLE LEVEL             | TPN  | TRIPLE POLE & NEUTRAL        |
| H/L  | HIGH LEVEL               | MCB  | MINIATURE CIRCUIT BREAKER    |
| AFFL | ABOVE FINISH FLOOR LEVEL | MCCB | MOULDED CASE CIRCUIT BREAKER |
| F.S. | FIRE SERVICES            | E&M  | ELECTRICAL & MECHANICAL      |
| HR   | FIRE HOSE REEL           | BBC  | BUSBAR CHAMBER               |
| FH   | FIRE HYDRANT             | CU   | COPPER                       |
| FSI  | FIRE SERVICES INLET      | DP   | DOUBLE POLE                  |
| MFA  | MANUAL FIRE ALARM        | SW   | SWITCH                       |
| EX   | EXISTING                 | C/O  | CHANGE-OVER DEVICES          |
| BL   | BOUNDARY LINE            | F/S  | FUSE SWITCH                  |
| AUTO | AUTOMATIC                | FFP  | FIXED FIRE PUMP              |
| C/W  | COMPLETE WITH            |      |                              |

## LEGENDS

|  |      |                                                      |
|--|------|------------------------------------------------------|
|  | HR   | FIRE HOSE REEL                                       |
|  |      | GATE VALVE                                           |
|  |      | GATE C/W CAP                                         |
|  |      | NON RETURN VALVE                                     |
|  |      | WATER CHECK METER POSITION                           |
|  |      | BALL FLOAT VALVE                                     |
|  |      | VENT PIPE                                            |
|  |      | FIXED FIRE PUMP                                      |
|  |      | PRESSURE SWITCH ASSEMBLY (DETAILS REFER TO FIGURE 1) |
|  |      | STARTER (DIRECT ON LINE)                             |
|  |      | 13A FUSED SPUR UNIT WITH 5A FUSE                     |
|  | EXIT | EXIT SIGN                                            |
|  |      | EMERGENCY LIGHT                                      |

|  |                                                                  |
|--|------------------------------------------------------------------|
|  | MFA CALL POINT                                                   |
|  | FIRE ALARM BELL                                                  |
|  | MFA CONTROL PANEL C/W WEATHERPROOF TYPE CABINET                  |
|  | FIXED FIRE PUMP CONTROL PANEL C/W WEATHERPROOF ENCLOSURE         |
|  | DETAILS OF FIXED FIRE PUMPS & F.S. TANK INSTALLATION ARRANGEMENT |
|  | 5kg CO2 TYPE PORTABLE FIRE EXTINGUISHER                          |
|  | KWH METER                                                        |
|  | AUTOMATIC CHANGEOVER SWITCH C/W E&M INTERLOCK                    |
|  | SPN/TPN ISOLATING SWITCH                                         |
|  | SPN/TPN FUSE SWITCH                                              |
|  | SPN/TPN MCB/MCCB                                                 |
|  | AUTOMATIC AIR VENT                                               |
|  | NEWLY EQUIPMENT/CABLE/ PIPING                                    |

## PRESSURE SWITCH ASSEMBLY FOR FIXED FIRE PUMP SET



| SCHEDULE OF THE BUILDINGS |       |              |                    |                    |                          |
|---------------------------|-------|--------------|--------------------|--------------------|--------------------------|
| BLOCK                     | FLOOR | FLOOR HEIGHT | GROSS AREA         | TOTAL GROSS AREA   | COVERAGE AREA C/W CANOPY |
| A                         | G/F   | 3.3m         | 72 m <sup>2</sup>  | 184 m <sup>2</sup> | 112 m <sup>2</sup>       |
|                           | 1/F   | 3.3m         | 112 m <sup>2</sup> |                    |                          |
| B                         | G/F   | 3.3m         | 84 m <sup>2</sup>  | 196 m <sup>2</sup> | 112 m <sup>2</sup>       |
|                           | 1/F   | 3.3m         | 112 m <sup>2</sup> |                    |                          |
| C                         | G/F   | 3.5m         | 36 m <sup>2</sup>  | 36 m <sup>2</sup>  | 36 m <sup>2</sup>        |

## F.S. PIPE SIZE COLOUR CODE

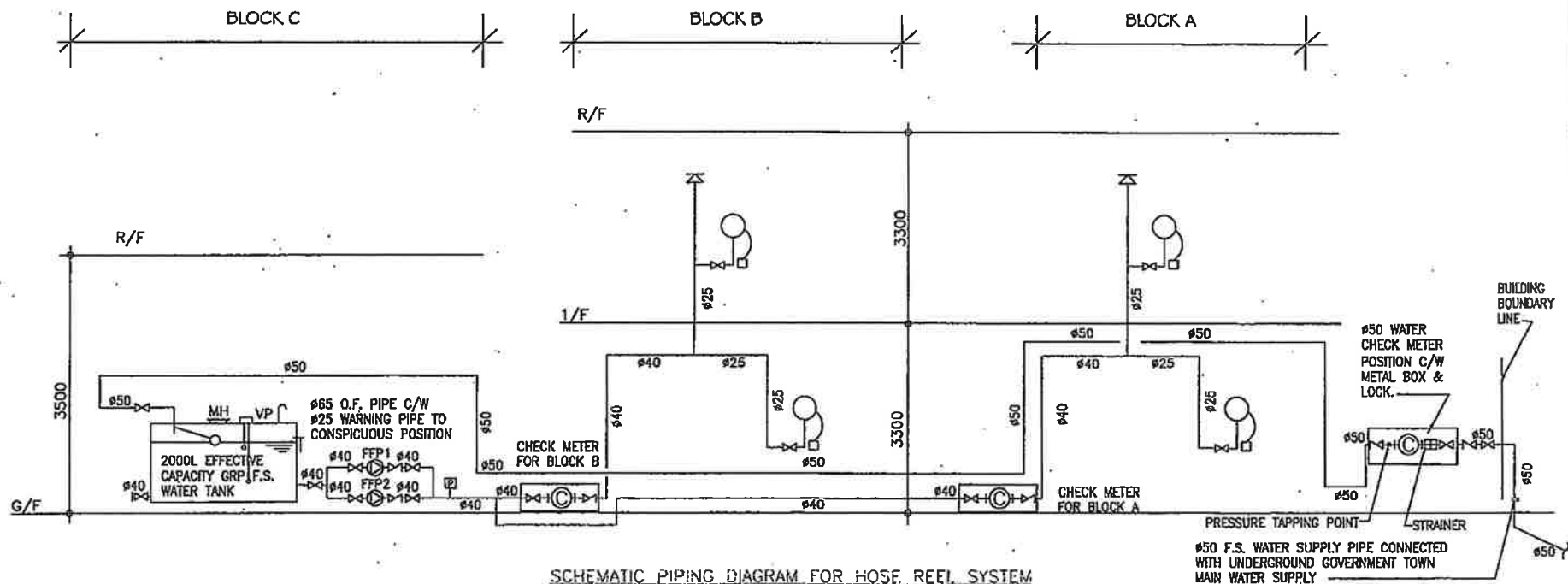
| PIPE SIZE | COLOUR |
|-----------|--------|
| Ø25       | GREEN  |
| Ø40       | PURPLE |

|                                                   |                                                                                                                                                                             |                                                                                                                     |                      |                       |                  |                                                                       |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|------------------|-----------------------------------------------------------------------|
| FSI CONTRACTOR 1<br>KEI YIP FIRE ENGINEERING LTD. | PROJECT<br>FIRE SAFETY IMPROVEMENT WORKS FOR PROPOSED TEMPORARY PRIVATE CLUB WITH ANCILLARY OFFICE IN VILLAGE TYPE DEVELOPMENT ZONE, LOT 1149 (PART) IN D.D. 125, YUEN LONG | DRAWING TITLE<br>NOTES, LEGENDS, ABBREVIATION, BLOCK PLAN, SCHEDULE OF THE BUILDINGS AND F.S. PIPE SIZE COLOUR CODE | DRAWING NO.<br>FS-01 | DATE<br>06/2022       | DESIGN<br>B.F.   | REV. DATE DESCRIPTION BY                                              |
|                                                   |                                                                                                                                                                             |                                                                                                                     | REVISION<br>B        | SCALE<br>1 : 100 (A3) | APPROVAL<br>B.T. | A 11/2021 ACCORDING TO FSD'S COMMENTS<br>B 06/2022 UPDATE LAYOUT T.L. |

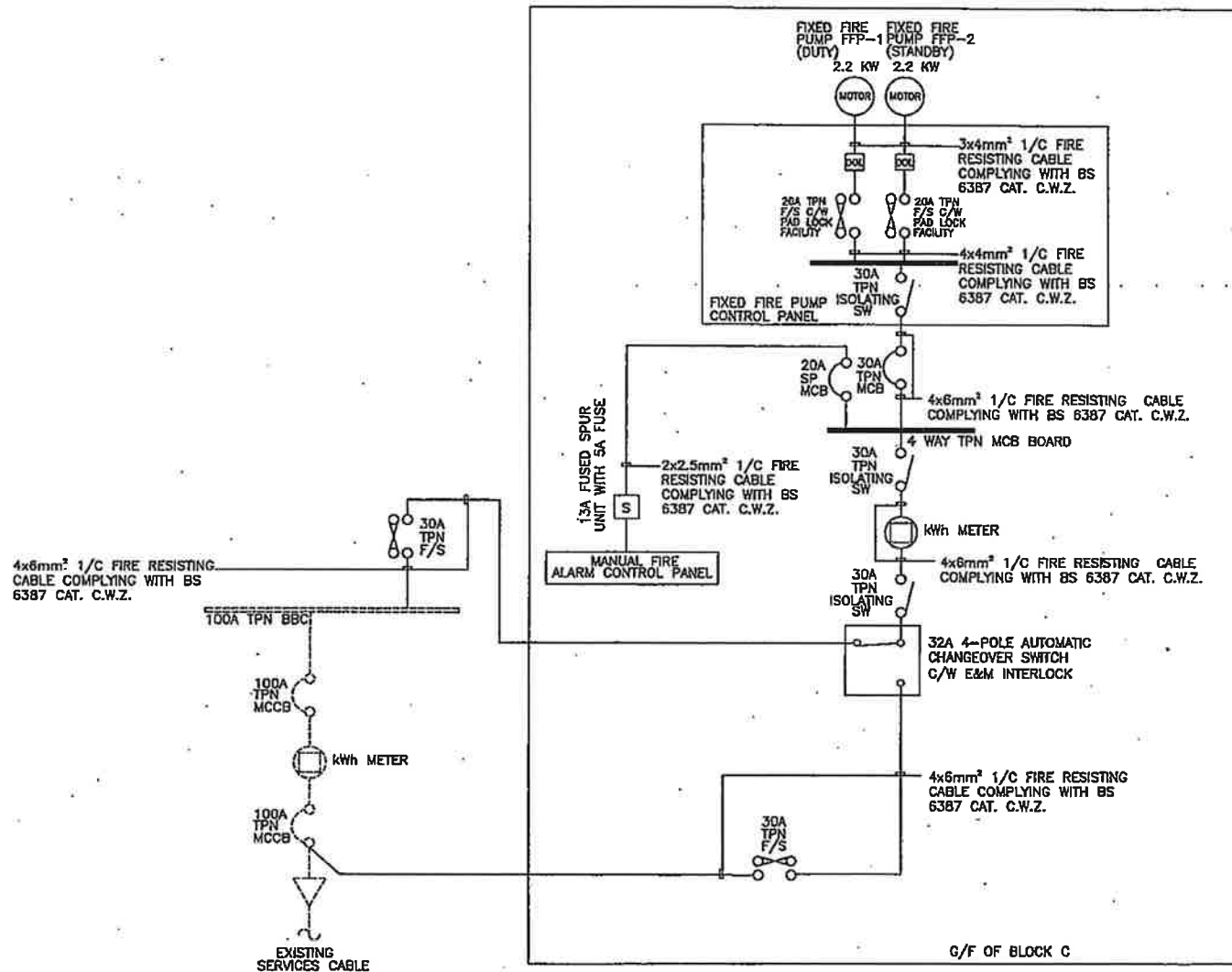


| FIXED FIRE PUMP SCHEDULE |                           |                              |                                |                 |
|--------------------------|---------------------------|------------------------------|--------------------------------|-----------------|
| PUMP CODE                | DESCRIPTION               | PUMP MOTOR POWER RATING (kW) | FLOW RATE (L/m <sup>3</sup> n) | PUMP HEAD (BAR) |
| FP1                      | FIXED FIRE PUMP (DUTY)    | 2.2                          | 48                             | 5               |
| FP2                      | FIXED FIRE PUMP (STANDBY) | 2.2                          | 48                             | 5               |

| STATUS OF FIXED FIRE PUMPS |                        |
|----------------------------|------------------------|
| 1. FP1 POWER SUPPLY ON     | 4. FP2 POWER SUPPLY ON |
| 2. FP1 PUMP RUNNING        | 5. FP2 PUMP RUNNING    |
| 3. FP1 PUMP FAILED         | 6. FP2 PUMP FAILED     |



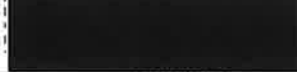
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|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|------------------|------|---------|-----------------------------|------|
| FSI CONTRACTOR :<br>KEI YIP FIRE ENGINEERING LTD. | PROJECT<br>FIRE SAFETY IMPROVEMENT WORKS FOR PROPOSED TEMPORARY PRIVATE CLUB WITH ANCILLARY OFFICE IN VILLAGE TYPE DEVELOPMENT ZONE, LOT 1149 (PART) IN D.D. 125, YUEN LONG | DRAWING TITLE<br>SCHEMATIC PIPING DIAGRAM FOR HOSE REEL SYSTEM, FIXED FIRE PUMP SCHEDULE AND STATUS OF FIXED FIRE PUMPS | DRAWING NO<br>FS-03 | DATE<br>06/2022       | DESIGN<br>B.F.   | REV. | DATE    | DESCRIPTION                 | BY   |
|                                                   |                                                                                                                                                                             |                                                                                                                         |                     |                       |                  | A    | 11/2021 | ACCORDING TO FSD'S COMMENTS |      |
|                                                   |                                                                                                                                                                             |                                                                                                                         |                     |                       |                  | B    | 08/2022 | UPDATE LAYOUT               | T.L. |
|                                                   |                                                                                                                                                                             |                                                                                                                         | REVISION<br>B       | SCALE<br>1 : 100 (A3) | APPROVAL<br>B.T. |      |         |                             |      |
|                                                   |                                                                                                                                                                             |                                                                                                                         |                     |                       |                  |      |         |                             |      |
|                                                   |                                                                                                                                                                             |                                                                                                                         |                     |                       |                  |      |         |                             |      |

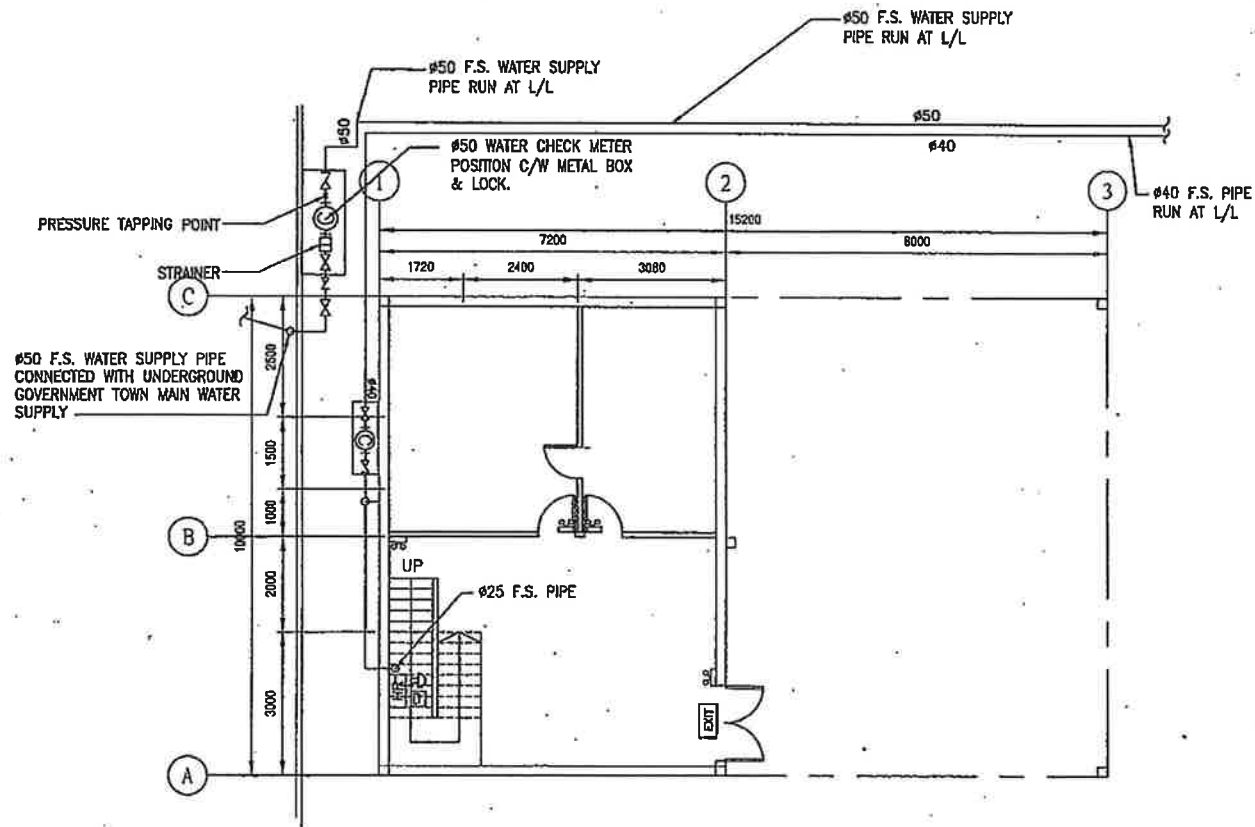


**SCHEMATIC POWER SUPPLY WIRING DIAGRAM FOR FIRE IMPROVEMENT WORKS**

| REV. | DATE    | DESCRIPTION                 | BY  |
|------|---------|-----------------------------|-----|
| A    | 11/2021 | ACCORDING TO FSD'S COMMENTS |     |
| B    | 06/2022 | UPDATE LAYOUT               | T.L |
|      |         |                             |     |
|      |         |                             |     |
|      |         |                             |     |

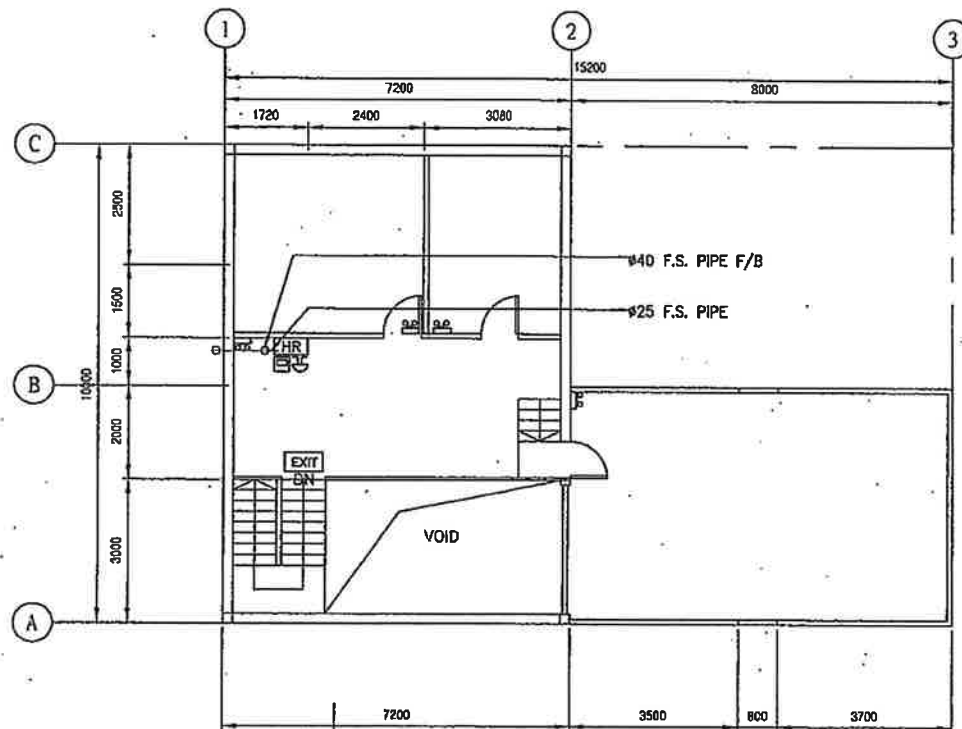
  

|                                                                                                                                                    |                                                                                                                                                                                             |                                                                                                   |                                                                      |                                                                           |                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>CONTRACTOR :</b><br><b>KEI YIP FIRE ENGINEERING LTD.</b><br> | <b>PROJECT :</b><br><b>FIRE SAFETY IMPROVEMENT WORKS FOR PROPOSED TEMPORARY PRIVATE CLUB WITH ANCILLARY OFFICE IN VILLAGE TYPE DEVELOPMENT ZONE, LOT 1149 (PART) IN D.D. 125, YUEN LONG</b> | <b>DRAWING TITLE :</b><br><b>SCHEMATIC POWER SUPPLY WIRING DIAGRAM FOR FIRE IMPROVEMENT WORKS</b> | <b>DRAWING NO :</b><br><b>FS-04</b><br><b>REVISION :</b><br><b>B</b> | <b>DATE :</b><br><b>06/2022</b><br><b>SCALE :</b><br><b>1 : 100. (A3)</b> | <b>DESIGN :</b><br><b>B.F.</b><br><b>APPROVAL :</b><br><b>B.T.</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|



FIRE SERVICE LAYOUT PLAN FOR G/F OF BLOCK A

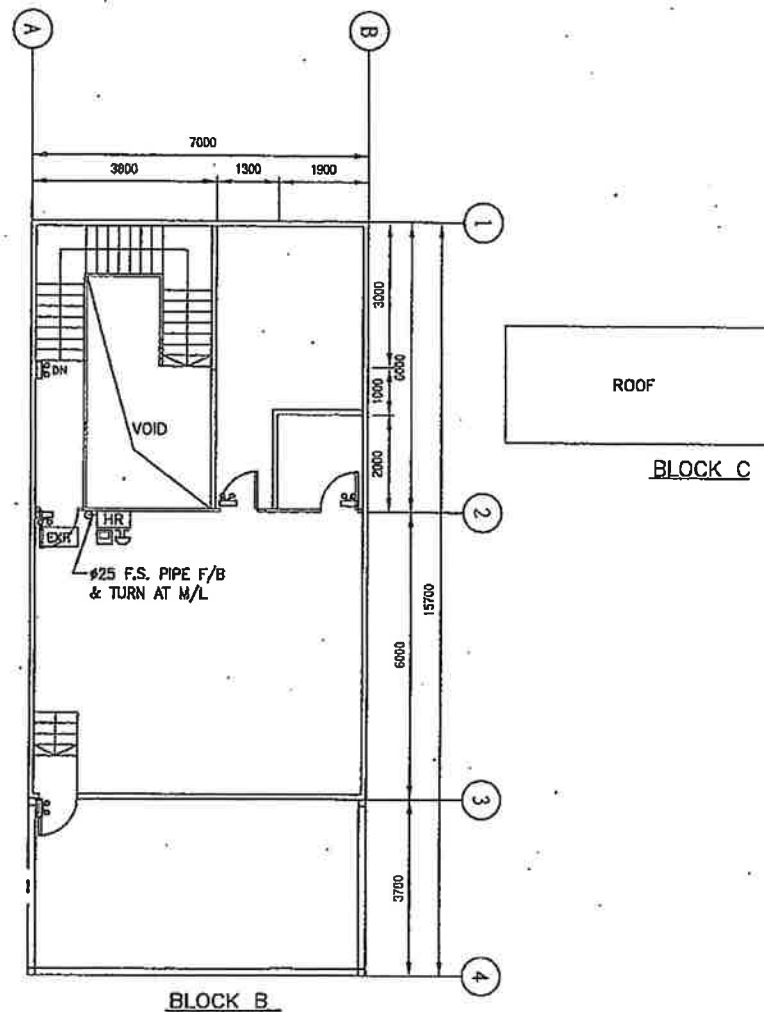
| FS CONTRACTOR :                             | PROJECT                                                                                                                                                                         | DRAWING TITLE                                   | DRAWING NO. | DATE         | DESIGN   | REV. | DATE    | DESCRIPTION                 | BY   |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------|--------------|----------|------|---------|-----------------------------|------|
| KEI YIP FIRE ENGINEERING LTD.<br>[Redacted] | FIRE SAFETY IMPROVEMENT WORKS<br>FOR PROPOSED TEMPORARY PRIVATE<br>CLUB WITH ANCILLARY OFFICE IN<br>VILLAGE TYPE DEVELOPMENT ZONE,<br>LOT 1149 (PART) IN D.D. 125,<br>YUEN LONG | FIRE SERVICES LAYOUT PLAN<br>FOR G/F OF BLOCK A | FS-05       | 06/2022      | B.F.     | A    | 11/2021 | ACCORDING TO FSD'S COMMENTS |      |
|                                             |                                                                                                                                                                                 |                                                 |             |              |          | B    | 06/2022 | UPDATE LAYOUT               | T.L. |
|                                             |                                                                                                                                                                                 |                                                 | REVISION    | SCALE        | APPROVAL |      |         |                             |      |
|                                             |                                                                                                                                                                                 |                                                 | B           | 1 : 100 (A3) | B.T.     |      |         |                             |      |



FIRE SERVICES LAYOUT PLAN FOR 1/F OF BLOCK A

| FSI CONTRACTOR 1              | PROJECT                                                                                                                                                          | DRAWING TITLE                                | DRAWING NO | DATE         | DESIGN   | REV. | DATE    | DESCRIPTION                 | BY   |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------|--------------|----------|------|---------|-----------------------------|------|
| KEI YIP FIRE ENGINEERING LTD. | FIRE SAFETY IMPROVEMENT WORKS FOR PROPOSED TEMPORARY PRIVATE CLUB WITH ANCILLARY OFFICE IN VILLAGE TYPE DEVELOPMENT ZONE, LOT 1149 (PART) IN D.D. 125, YUEN LONG | FIRE SERVICES LAYOUT PLAN FOR 1/F OF BLOCK A | FS-06      | 06/2022      | B.F.     | A    | 11/2021 | ACCORDING TO FSD'S COMMENTS | T.L. |
|                               |                                                                                                                                                                  |                                              | REVISION   | SCALE        | APPROVAL | B    | 06/2022 | UPDATE LAYOUT               |      |
|                               |                                                                                                                                                                  |                                              |            | 1 : 100 (A3) | B.T.     |      |         |                             |      |





FIRE SERVICES LAYOUT PLAN FOR 1/F OF BLOCK B

| FSI CONTRACTOR :              | PROJECT                                                                                                                                                          | DRAWING TITLE                                | DRAWING NO. | DATE         | DESIGN   | REV. | DATE    | DESCRIPTION                 | BY   |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------|--------------|----------|------|---------|-----------------------------|------|
| KEI YIP FIRE ENGINEERING LTD. | FIRE SAFETY IMPROVEMENT WORKS FOR PROPOSED TEMPORARY PRIVATE CLUB WITH ANCILLARY OFFICE IN VILLAGE TYPE DEVELOPMENT ZONE, LOT 1149 (PART) IN D.D. 125, YUEN LONG | FIRE SERVICES LAYOUT PLAN FOR 1/F OF BLOCK B | FS-08       | 06/2022      | B.F.     | A    | 11/2021 | ACCORDING TO FSD'S COMMENTS |      |
|                               |                                                                                                                                                                  |                                              | REVISION    | SCALE        | APPROVAL | B    | 06/2022 | UPDATE LAYOUT               | T.L. |
|                               |                                                                                                                                                                  |                                              | B           | 1 : 100 (A3) | B.T.     |      |         |                             |      |