

**BY HAND AND BY EMAIL**  
**(tpbsubmission@pland.gov.hk)**  
Our Ref : POH1/DM/2564/260157L  
20 April 2026

Town Planning Board  
15/F North Point Government Offices  
333 Java Road  
North Point, Hong Kong



Attention: Secretary of Town Planning Board

Dear Sir/Madam,

**Section 16 Application for Temporary Transitional Housing Development for a Period of 3 Years at Lots 472 (Part), 587 RP (Part), 591, 592, 600 (Part), 1276 (Part), 1277 RP, 1318, 1321, 1322, 1324, 1325 S.A & S.B-E, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335 S.A, 1335 RP, 1336 RP, 1337 RP (Part), 1338 (Part), 1339 (Part), 1340, 1341 (Part), 1342 (Part) and 1343 RP (Part) in D.D. 106 and Adjoining Government Land at Kong Ha Wai, Kam Tin, Yuen Long (Renewal of Planning Approval under Application No. A/YL-KTS/960)**

**A/YL-KTS/1126 – SUBMISSION OF FURTHER INFORMATION 1**

We are writing with respect to the submission of the captioned application and are pleased to submit herewith Further Information (FI) 1 with regard to that application as per the recent request from Planning Department.

Please kindly find attached four (4) hard copies of the following updated and revised item for your necessary action:

- Replacement Pages of Planning Statement;
- Supplementary Pages of Annex B-4 – Compliance with Approval Condition (d) under Application No. A/YL-KTS/960; and
- New Annex C - Latest Information on Occupancy Status (As of 2026.03.31).

Should you have any queries, please do not hesitate to contact Miss Samantha YUNG, Town Planner at URBIS Limited by phone at [REDACTED] or via email [REDACTED]

Yours faithfully  
For and on behalf of URBIS Limited

**David Morkel**  
**MRTPI MHKIP MHKIUD RPP**  
Director

DM/SY/af

Encl.



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田

Kam Tin



*Section 16 Application for Temporary Transitional Housing Development for a Period of 3 Years (Renewal of Planning Approval under Application No. A/YL-KTS/960)*

## PLANNING STATEMENT



April 2026

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Annex B-3	Compliance with Approval Condition (c) under Application No. A/YL-KTS/960
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## LIST OF ABBREVIATIONS

GFA	Gross Floor Area
NGO	Non-governmental Organisation
OZP	Outline Zoning Plan
"R(D)"	"Residential (Group D)"
TPB	Town Planning Board

## 2 Site Context and Features

### 2.1 SITE LOCATION AND EXISTING CONDITION

- 2.1.1 The Site is bounded by Kam Sheung Road to the west, Kam Shui South Road to the east, temporary structures to the north, and agricultural land with scattered temporary structures to the south (**Figure 2.1** refers).
- 2.1.2 The Site is currently occupied by Pok Oi Kong Ha Wai Village, a transitional housing development operated by the Applicant. The development includes eight 4-storey residential blocks and two 2-storey amenity blocks. Two amenity blocks are provided to accommodate social welfare amenities and shared services for the residents and those in the neighbourhood. **Please refer to the latest information on occupancy status of the development in Annex C.**

### 2.2 SURROUNDING DEVELOPMENT AND ENVIRONMENT CONTEXT

- 2.2.1 The surrounding land use context is characterised by open storage yards, warehouses, vehicle parking, low-rise residential development, and agricultural land.
- 2.2.2 The Kam Sheung Road MTR Station is located within 1 km of the Site.
- 2.2.3 Factories, open storage yards, warehouses, and village houses at Ng Ka Tsuen with agricultural land are located to the north and northeast of the Site.
- 2.2.4 The Main Building, Entrance Gate and Servants' Quarters of Kong Ha Wai Mansion, which is listed as Grade 3 historic building, abuts the eastern boundary of the Site. Open storage yards, warehouses and village houses at Kam Tsin Wai are located to the east of the Site, whilst Shek Kong Barracks is located to further east across Shek Kong Airfield Road.
- 2.2.5 Agricultural land with scattered temporary structures, plant nurseries, village houses at Tin Sam San Tsuen and low-rise residential developments at The Scenicwoods, are located to the south and southeast of the Site.
- 2.2.6 Open storage yards, warehouses, vehicle parking, as well as low-rise residential development at Royal Gem, and institutional facilities (i.e. S.K.H. ST. Joseph's Church, Social Centre & Kindergarten) are located to the west of the Site. The proposed Public Housing Developments at Kam Tin South, Yuen Long is located to the further west.



## ***Annex B-4***

***Compliance with Approval Condition (d) under  
Application No. A/YL-KTS/960***

Project: Transitional Housing Development in D.D.106 at Kong Ha Wai, Kam Tin, Yuen Long, N.T.  
Phase 1 (Block 1, 2, 3, 5, STP1 & Amenity Block 1)

### AS-fitted Drawing Lists

Drawing No.:	Title:	Copies
Fire services		
8788-MLP-FS-0001	Fire services- legend, abbreviations and notes	1
KHW-FS-F0-02	Fire services- FH/HR & Sprinkler system schematic dia. For block 1	1
KHW-FS-F0-03	Fire services- FH/HR & Sprinkler system schematic dia. For block 2	1
KHW-FS-F0-04	Fire services- FH/HR & Sprinkler system schematic dia. For block 3	1
KHW-FS-F0-05	Fire services- FH/HR & Sprinkler system schematic dia. For block 5	1
KHW-FS-F0-10	Fire services- FH/HR & Sprinkler system schematic dia. For amenity block 1	1
8788-MLP-FS-1001	Fire services- FS water supply schematic diagram	1
8788-MLP-FS-1002	Fire services- Street fire hydrant system schematic diagram	1
KHW-FS-F0-13	Fire services- Automatic & manual fire alarm system schematic dia.	1
8788-MLP-FS-2001	Fire services- Master layout for fs water supply	1
8788-MLP-FS-2002	Fire services- Master layout for fs water supply (Part plan 1)	1
KHW-FS-F1-02	Fire services layout plan for block 1	1
KHW-FS-F1-03	Fire services layout plan for block 2 (Sheet 1 of 2)	1

Project: Transitional Housing Development in D.D.106 at Kong Ha Wai, Kam Tin, Yuen Long, N.T.  
Phase 1 (Block 1, 2, 3, 5, STP1 & Amenity Block 1)

KHW-FS-F1-04	Fire services layout plan for block 2 (Sheet 2 of 2)	1
KHW-FS-F1-05	Fire services layout plan for block 3	1
KHW-FS-F1-06	Fire services layout plan for block 5	1
KHW-FS-F1-13	Fire services layout plan for amenity Block 1 and part-plan of transformer RM & switch RM 1 and sewage treatment plant 1	1

LEGEND :

- SPRINKLER HEAD
- SPRINKLER CONTROL VALVE SET ASSEMBLY (AS SHOWN ON SCHEMATIC)
- ⊞ FLOW SWITCH
- SPRINKLER HEAD (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
- ⊞ GATE VALVE
- ⊞ GATE VALVE (WITH VALVE PIT BY MAIN CONTRACTOR)
- ⊞ GATE VALVE (N.C.)
- ⊞ GATE VALVE WITH PADLOCK IN OPEN POSITION
- ⊞ GATE VALVE WITH HAND WHEEL REMOVED C/W BRASS PLUG CAP AT OUTLET
- ⊞ GATE VALVE WITH PADLOCK IN OPEN/CLOSE POSITION C/W INSTALLATION MONITORING FACILITY TO SPRINKLER CONTROL PANEL
- ⊞ GLOBE VALVE
- ⊞ GLOBE VALVE (N.C.)
- ⊞ ANTI-POLLUTION VALVE
- ⊞ GLOBE VALVE WITH HAND WHEEL REMOVED
- ⊞ BALL VALVE
- ⊞ DRAIN VALVE (LOCKED SHIELD TYPE GATE VALVE)
- ⊞ DRAIN VALVE (GATE VALVE)
- ⊞ PIPELINE DRAIN VALVE (BALL VALVE) WITH HOSE BIB C/W PLUG OFF
- ⊞ PRESSURE REDUCING VALVE
- ⊞ NON-RETURN VALVE
- ⊞ FIRE SERVICE INLET WITH A SEPARATE NON-RETURN VALVE BEHIND THE INLET (SHOWN ON SCHEMATIC PIPING DIAGRAM)
- HYDRANT OUTLET (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
- ⊞ BUTTERFLY VALVE WITH MONITORING FACILITY
- ⊞ PRESSURE RELIEF VALVE
- ⊞ GATE VALVE WITH PLUG (N.C.)
- ⊞ BACKFLOW PREVENTOR
- WW FLEXIBLE CONNECTOR
- ⊞ EXPANSION JOINT
- ⊞ PLUG
- ⊞ STRAINER, Y-TYPE
- ⊞ STRAINER, BUCKET TYPE
- ⊞ FLOW METER
- BALL FLOAT VALVE
- Y BELL MOUTH SILENCE TUBE
- ⊞ BOX TO HOUSE LEVEL CONTROL SWITCH
- ⊞ PRESSURE SWITCH
- ⊞ PRESSURE GAUGE C/W #20 BALL VALVE
- ⊞ WATER METER BY WATER SUPPLIES DEPARTMENT
- ⊞ CHECK METER POSITION
- ⊞ LEVEL CONTROL SWITCH (TO ACTIVATE OVERFLOW)
- ⊞ LEVEL CONTROL SWITCH (TO ACTIVATE LOW LEVEL ALARM)
- ⊞ LEVEL CONTROL SWITCH (TO GIVE AN INDICATION BEFORE THE WATER STORAGE LEVEL DROPS MORE THAN 10% BELOW ITS NOMINAL FILL LEVEL)

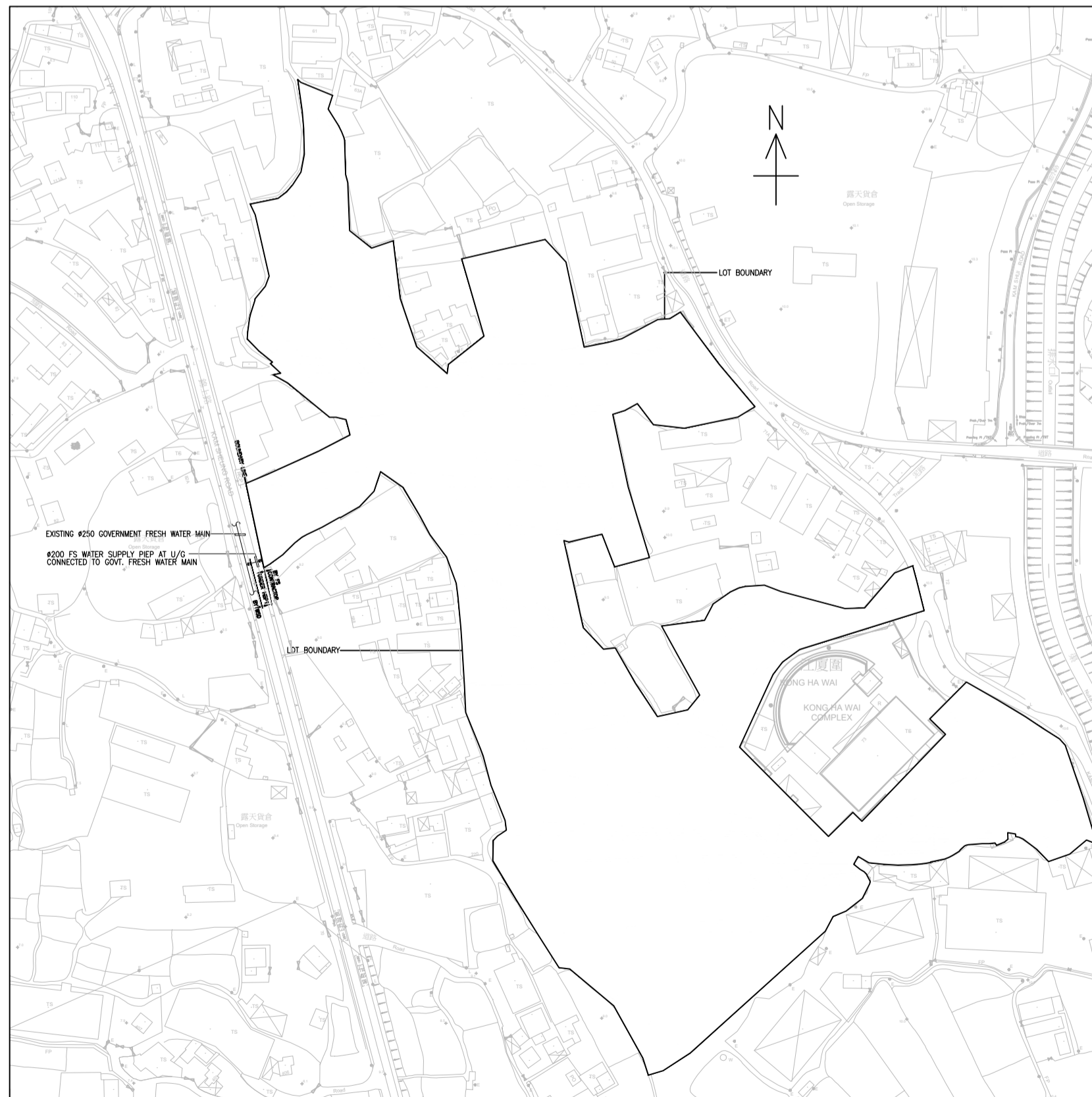
- FIXED TYPE HOSE REEL (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
- ⊞ FIXED TYPE HOSE REEL (AS SHOWN ON PLAN)
- ⊞ A.A.V. AUTOMATIC AIR VENT C/W LOCKED SHIELD TYPE GATE VALVE
- FH HYDRANT OUTLET (SHOWN ON PLAN)
- FIRE SERVICE/SPRINKLER INLET (SHOWN ON PLAN)
- ⊞ SPRINKLER CONTROL VALVE (SHOWN ON PLAN)
- ⊞ PIPE SLEEVE AND VIBRATION ISOLATOR (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
- ⊞ STREET FIRE HYDRANT
- ⊞ VORTEX INHIBITOR
- ⊞ UNDERGROUND PIPEWORK
- ⊞ ABOVE GROUND PIPEWORK
- ⊞ PROVING PIPE
- ⊞ HEAT DETECTOR
- ⊞ SMOKE DETECTOR
- ⊞ SMOKE DETECTOR (SOUNDER BASE)
- ⊞ MANUAL CALL POINT
- ⊞ FIRE ALARM BELL
- ⊞ WATER ALARM GONG
- ⊞ MASTER FIRE ALARM BELL
- ⊞ MANUAL CALL POINT (WEATHERPROOF TYPE)
- ⊞ FIRE ALARM BELL (WEATHERPROOF TYPE)
- ⊞ VISUAL FIRE ALARM (CEILING MOUNTED)
- ⊞ VISUAL FIRE ALARM (WALL MOUNTED) (WEATHERPROOF TYPE)
- ⊞ VISUAL FIRE ALARM (WALL MOUNTED)
- ⊞ REMOTE INDICATOR
- ⊞ AFA PANEL / PUMP PANEL

ABBREVIATION :

- T-B TOP TO BOTTOM
- L-R LEFT TO RIGHT
- H/L HIGH LEVEL
- L/L LOW LEVEL
- U/G UNDERGROUND
- T/A TO ABOVE
- T/B TO BELOW
- A.F.F.L. ABOVE FINISHED FLOOR LEVEL
- A.S.F.L. ABOVE STRUCTURAL FLOOR LEVEL
- PRV PRESSURE REDUCING VALVE
- FRP OR FRR FIRE RESISTANCE RATING
- RSJ ROLLED STEEL JOINT
- NC/N.C. NORMALLY CLOSED
- NO/N.O. NORMALLY OPEN
- FH/HR FIRE HYDRANT/HOSE REEL
- SFH STREET FIRE HYDRANT

GENERAL NOTES

1. ALL DIMENSIONS AND DATUM LEVELS AS SHOWN ON THIS SET OF DRAWINGS ARE IN MILLIMETERS AND METERS RESPECTIVELY, UNLESS OTHERWISE SPECIFIED AND ALL DIMENSIONS TO BE VERIFIED ON SITE.
2. FOR MATERIAL OF PIPES, REFER SCHEDULE OF PIPE MATERIAL SHOWN ON THIS DRAWING, UNLESS OTHERWISE SPECIFIED.
3. THE NON-METALLIC PART OF THE FRESH & FIRE SERVICES WATER PIPE WORKS AND FITTINGS INCLUDING VALVES, EXPANSION JOINTS, FLEXIBLE CONNECTORS AND ETC, SHALL COMPLY WITH THE REQUIREMENTS OF BS 6920.
4. ALL PIPES AND FITTINGS SHALL BE SUITABLE FOR THE REQUIRED WORKING PRESSURE OF THE SYSTEM.
5. ALL PIPES RUN UNDER EMERGENCY VEHICULAR ACCESS/DRIVEWAY SHALL BE 1000MM MINIMUM BELOW GROUND LEVEL, WHILE UNDER PAVEMENT SHALL BE 600MM MINIMUM BENEATH THE FORMATION LEVEL.
6. THE ANNULAR SPACE BETWEEN PIPEWORK AND PIPE SLEEVE SHALL BE SEALED UP WITH APPROPRIATE MATERIAL AT PIPE PENETRATION THROUGH FIRE-RESISTING/ NON FIRE-RESISTING WALL / SLAB.
7. 6mm THICK NEOPRENE OR RUBBER ISOLATION PAD SHALL BE PROVIDED BETWEEN THE PIPE BRACKET AND THE UP-FEED PIPE RISER FROM OUTSIDE PUMP ROOM TO WHERE THE FLEXIBLE CONNECTOR IS INSTALLED AND AT THE INCOMING MAINS UP TO THE FLEXIBLE JOINT.
8. NO WATER PIPE SHALL BE EMBEDDED IN LOAD BEARING STRUCTURAL ELEMENTS SUCH AS COLUMNS, BEAMS AND SLABS IN LONGITUDINAL DIRECTION.
9. EXPANSION BELLOW OR ANTI-VIBRATION JOINT SHALL BE APPLIED TO WATER PIPES AT BUILDING EXPANSION JOINTS.
10. GATE VALVE INSTALLED U/G IN EXTERNAL AREA SHALL BE C/W VALVE CHAMBER AND C.I. COVER.
11. ALL VALVES/ STOPCOCKS SHALL HAVE THE SAME NOMINAL SIZE AS THE PIPE TO WHICH THEY ARE INSTALLED UNLESS OTHERWISE SPECIFIED.
12. ALL VALVES FOR EACH TYPE OF WATER MAINS SHALL BE LABELED FOR IDENTIFICATION.
13. ALL WASHOUT / DRAIN PIPE OF WATER TANKS SHALL BE DIRECTED TO THE NEAREST FLOOR DRAIN AND SHALL BE WELL PLUGGED.
14. WARNING PIPE SHALL BE INSTALLED AT A LEVEL BELOW THE OVERFLOW PIPE AND EXTENDED TO OUTSIDE OF THE BUILDING PERIPHERY.
15. PERMANENT DISPLAY BOARD FOR WATER METER ARRANGEMENT AT EACH WATER METER CABINET SHALL BE PROVIDED.
16. FLOOR DRAIN SHALL BE PROVIDED FOR ALL PUMP ROOMS.



SITE LOCATION PLAN

SCHEDULE OF PIPE MATERIALS

APPLICATION	MATERIAL
UNDER GROUND INSTALLATION	
PIPE DIAMETER 150MM AND BELOW	DUCTILE IRON PIPE OR GALVANIZED STEEL (HEAVY GRADE)
PIPE DIAMETER ABOVE 150MM	DUCTILE IRON PIPE
ABOVE GROUND INSTALLATION	
PIPE DIAMETER 150MM AND BELOW	GALVANIZED STEEL PIPE (MEDIUM GRADE)
PIPE DIAMETER ABOVE 150MM	DUCTILE IRON PIPE
OVERFLOW AND WARNING PIPE AT ALL WATER TANK	GALVANIZED STEEL PIPE (MEDIUM GRADE)

JOINT & FITTING SCHEDULE

PIPE SIZE	JOINT
UP TO #50mm	SCREWED JOINTS SHALL HAVE TAPERED THREADS TO BSEN 10226-1:2004 OR ISO 7-1:1994
LARGER THAN #50mm TO #150	MECHANICAL PIPE COUPLING (UNDER SEPARATE SUBMISSION)
LARGER THAN #150mm	FLANGES SHALL BE RAISED FACE TO BSEN1092-1:2007, BSEN 1092-2:1997, BSEN 1092-3:2003 AND BSEN 1515-1:2000.

SPECIFICATION FOR PIPE MATERIALS

MATERIAL	SPECIFICATION
DUCTILE IRON PIPES	COMPLY WITH BS EN 545, BE COATED WITH METALLIC ZINC AND BITUMEN FINISHING EXTERNALLY TO BS EN 545 AND LINED WITH CEMENT MORTAR INTERNALLY. EPOXY COATING SHALL BE COMPLIED WITH BS EN 14901 AND BE IN ACCORDANCE WITH SPECIFICATION.
GALVANIZED STEEL PIPES	<b>BELOW GROUND INSTALLATION:</b> COMPLY WITH BS EN 10255 WITH SCREWING TO BS EN 10226-1 (HEAVY GRADE) AND BE IN ACCORDANCE WITH SPECIFICATION UNLESS OTHERWISE SPECIFIED. <b>ABOVE GROUND INSTALLATION:</b> COMPLY WITH BS EN 10255 WITH SCREWING TO BS EN 10226-1 (MEDIUM GRADE) AND BE IN ACCORDANCE WITH SPECIFICATION UNLESS OTHERWISE SPECIFIED.

B.D. REFERENCE NUMBER:

NOTES  
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NO.	DATE	REVISIONS



PROJECT ARCHITECT/  
AUTHORIZED PERSON:



WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS  
TEL: 24 Telford Street, Telford, Shing, Hong Kong  
TEL: 342-3888 1-800-2871188 www.wongtung.com

PROJECT STRUCTURAL / M&E /  
GEOTECHNICAL AND CIVIL ENGINEER:



QUANTITY SURVEYOR:



PLANNING CONSULTANT:



LANDSCAPE CONSULTANT:  
Otherland  
Landscape | Planning | Urban Design

TRAFFIC CONSULTANT:



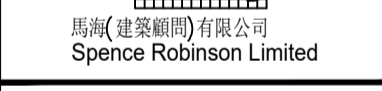
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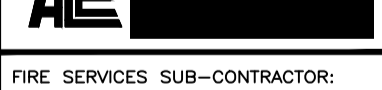
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DESIGN & BUILD  
M/E ENGINEER CONSULTANT:



BUILDING SERVICES SUB-CONTRACTOR:



FIRE SERVICES SUB-CONTRACTOR:



PROJECT:  
TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

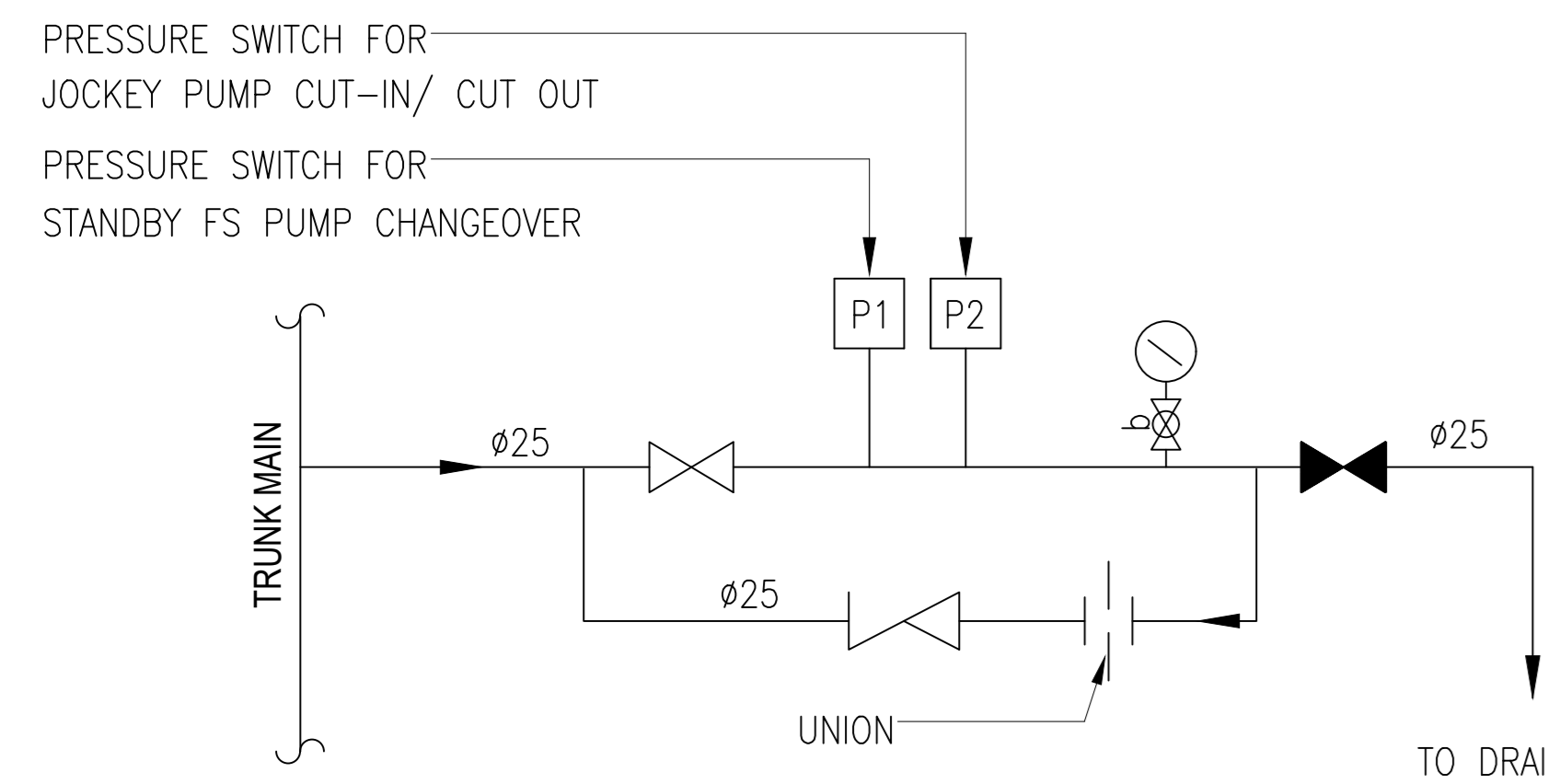
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FIRE SERVICES -  
LEGEND, ABBREVIATIONS AND  
NOTES

DATE	CHECKED	DESIGNED	REVIEWED
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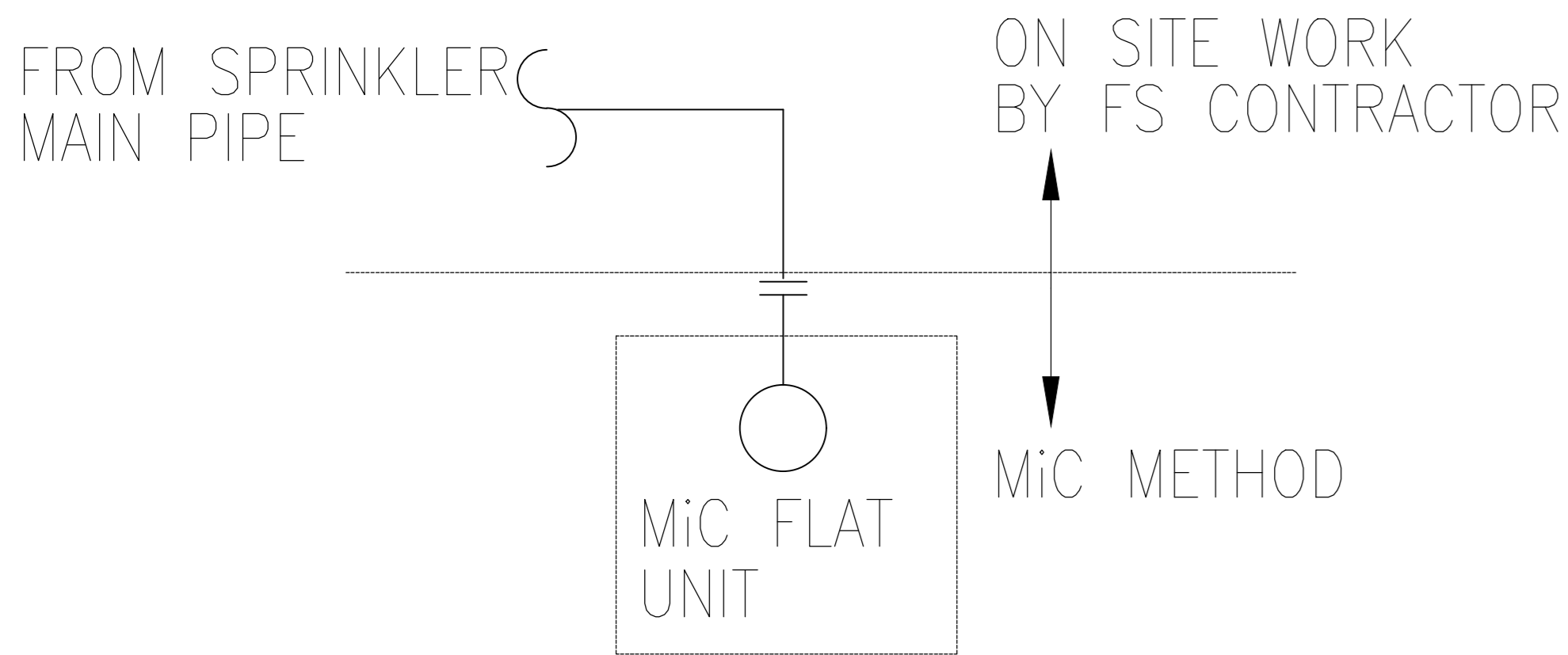
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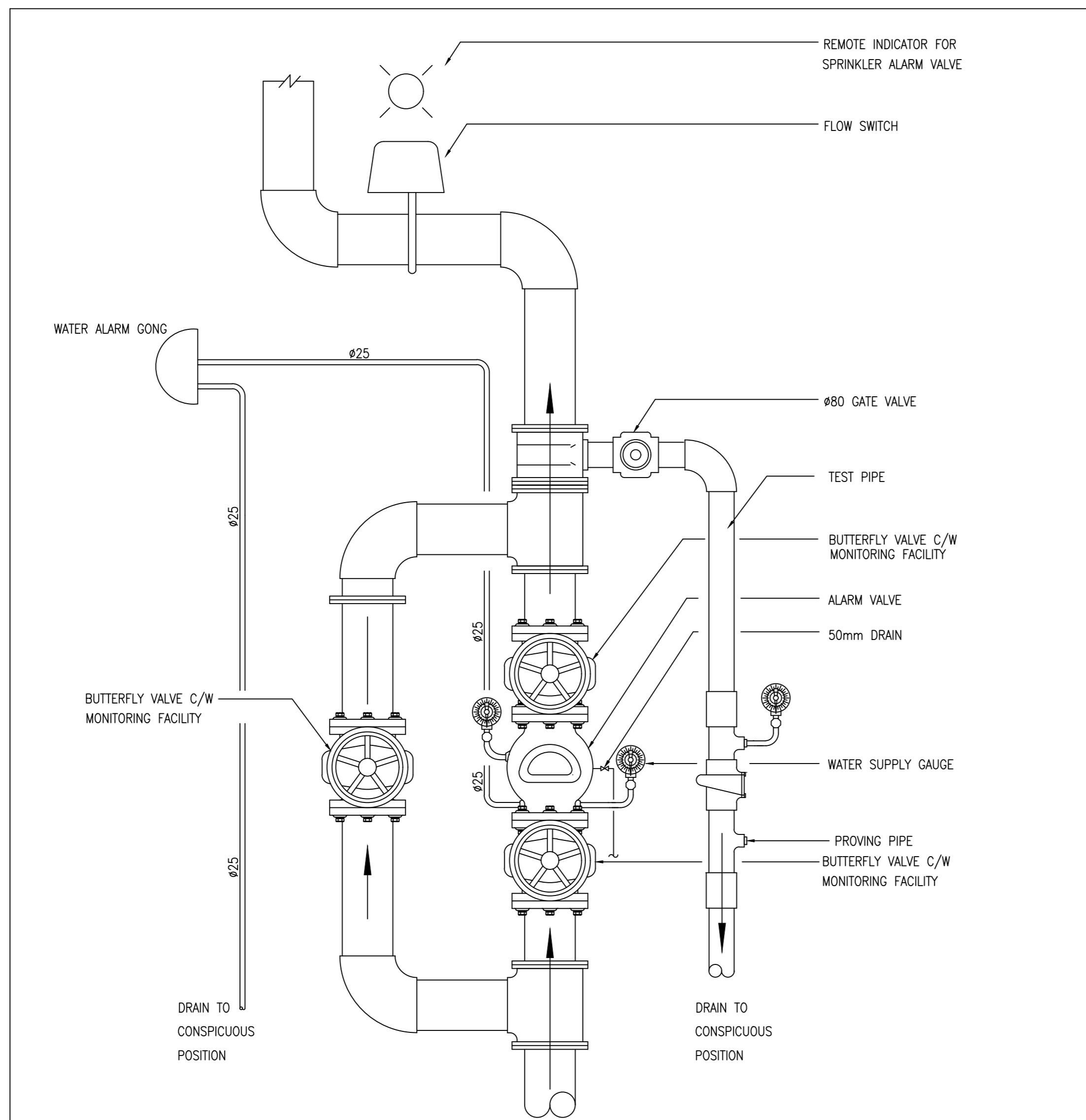
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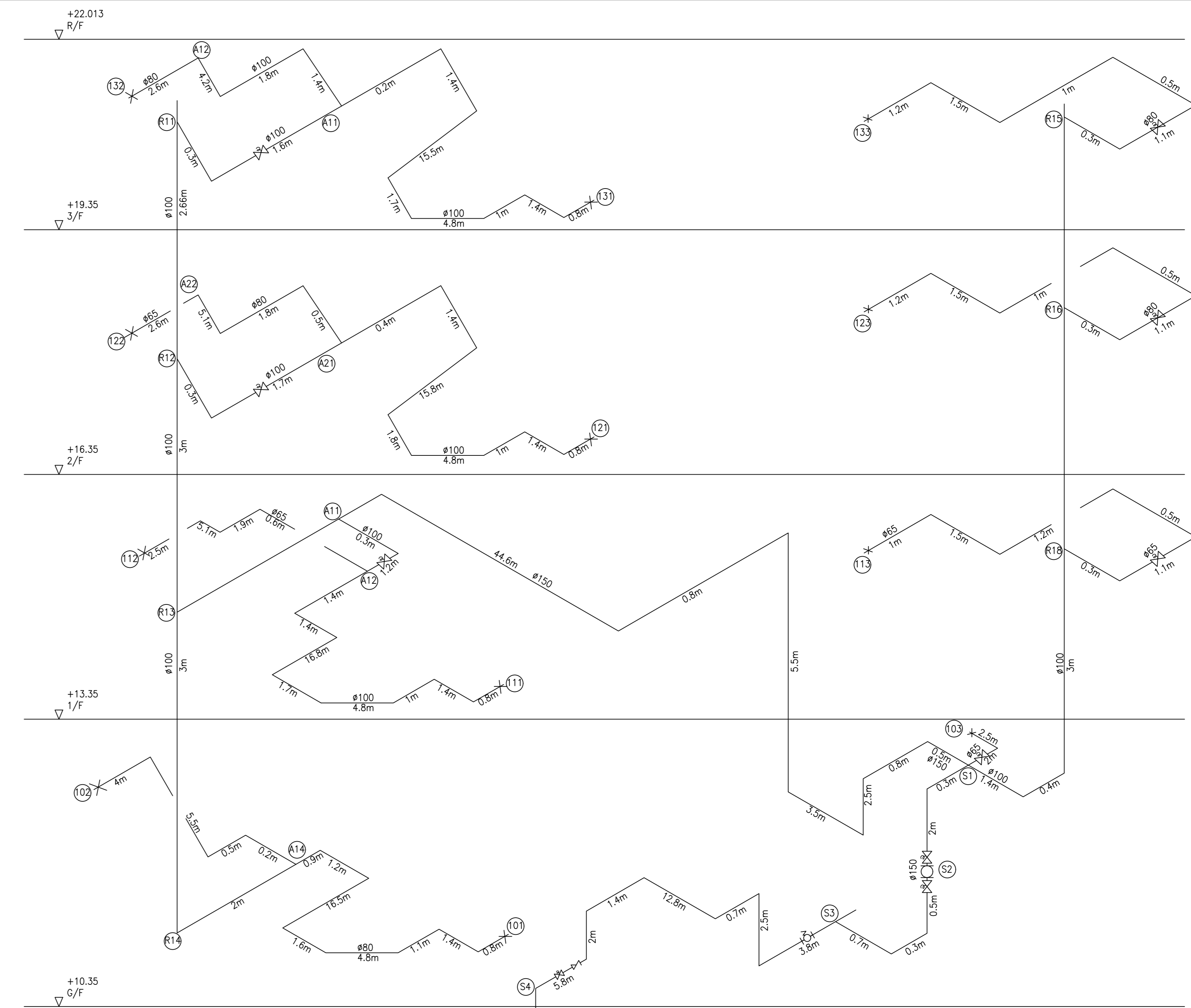
DETAIL "A"  
PRESSURE SWITCH ASSEMBLY



DETAIL "B"  
SPRINKLER PIPE WORK DEMARCATION FOR MiC UNIT

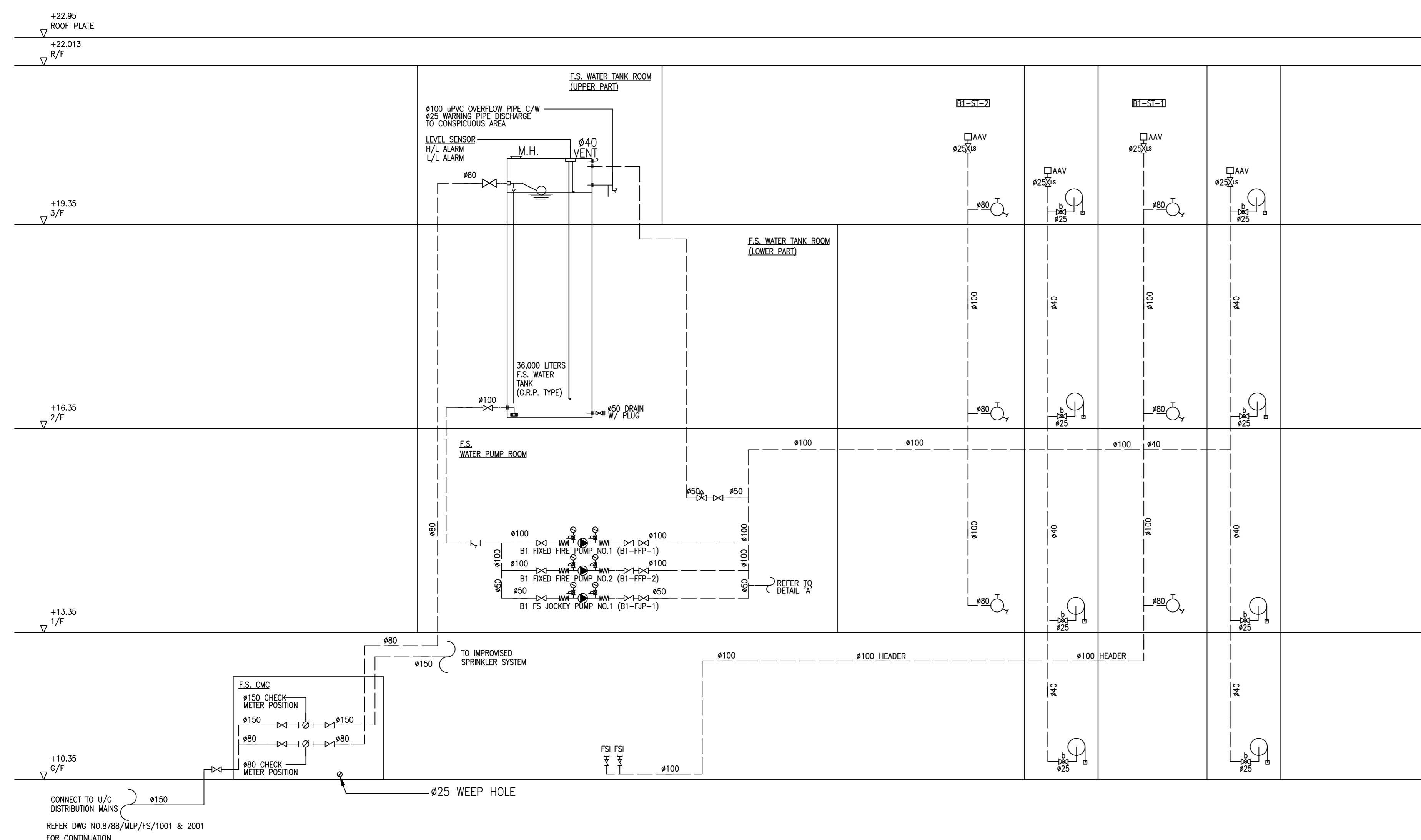


DETAIL "C"  
SPRINKLER ALARM VALVE WITH PROVING PIPE & BYPASS ALARM VALVE

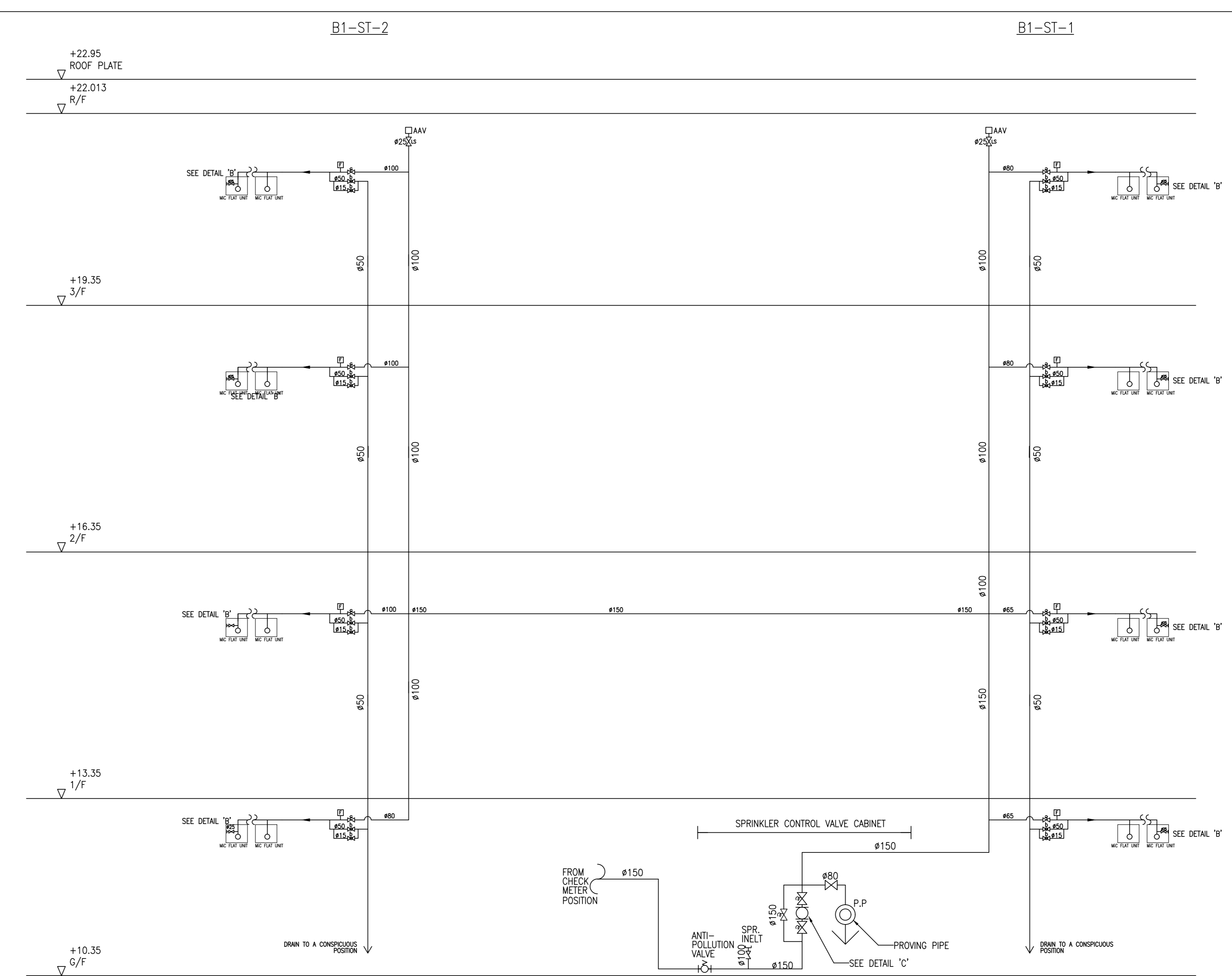


ISOMETRIC DIAGRAM  
(BLOCK 1)

PUMP DESCRIPTION	PRESSURE (bar)	FLOW RATE (litres/min.)	PUMP TYPE	MOTOR POWER (kW)	EFFICIENCY (%)
FIXED FIRE PUMP	6.5 6	0 900	HORIZONTAL END SUCTION, CENTRIFUGAL, 2900 rpm	22.0	≥55
FS JOCKEY PUMP	7.5 7	0 900	VERTICAL MULTI-STAGE CENTRIFUGAL, 2900 rpm	2.2	≥55



FIRE HYDRANT/HOSE REEL SYSTEM SCHEMATIC DIAGRAM  
(BLOCK 1)



IMPROVED SPRINKLER SYSTEM SCHEMATIC DIAGRAM  
(BLOCK 1)

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NO.	DATE	REVISIONS

CLIENT:  
博愛醫院  
Pok Oi Hospital

CLIENT:  
博愛地產有限公司  
HENDERSON LAND DEVELOPMENT COMPANY LIMITED

PROJECT ARCHITECT / AUTHORIZED PERSON:  
WT

PROJECT STRUCTURAL / M&E / GEOTECHNICAL AND CIVIL ENGINEER:  
aurecon

QUANTITY SURVEYOR:  
ARCADIS

PLANNING CONSULTANT:  
TOWNLAND

LANDSCAPE CONSULTANT:  
Otherland  
Landscape | Planning | Urban Design

TRAFFIC CONSULTANT:  
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CTA Consultants Limited

LAND SUPPLY/MUNICIPAL CONSULTANT:  
AECOM

DESIGN & BUILD CONTRACTOR:  
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DESIGN & BUILD ARCHITECT:  
馬海(建築顧問)有限公司  
Spence Robinson Limited

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DESIGN & BUILD M&E ENGINEER CONSULTANT:  
JRP 達信

BUILDING SERVICES SUB-CONTRACTOR:  
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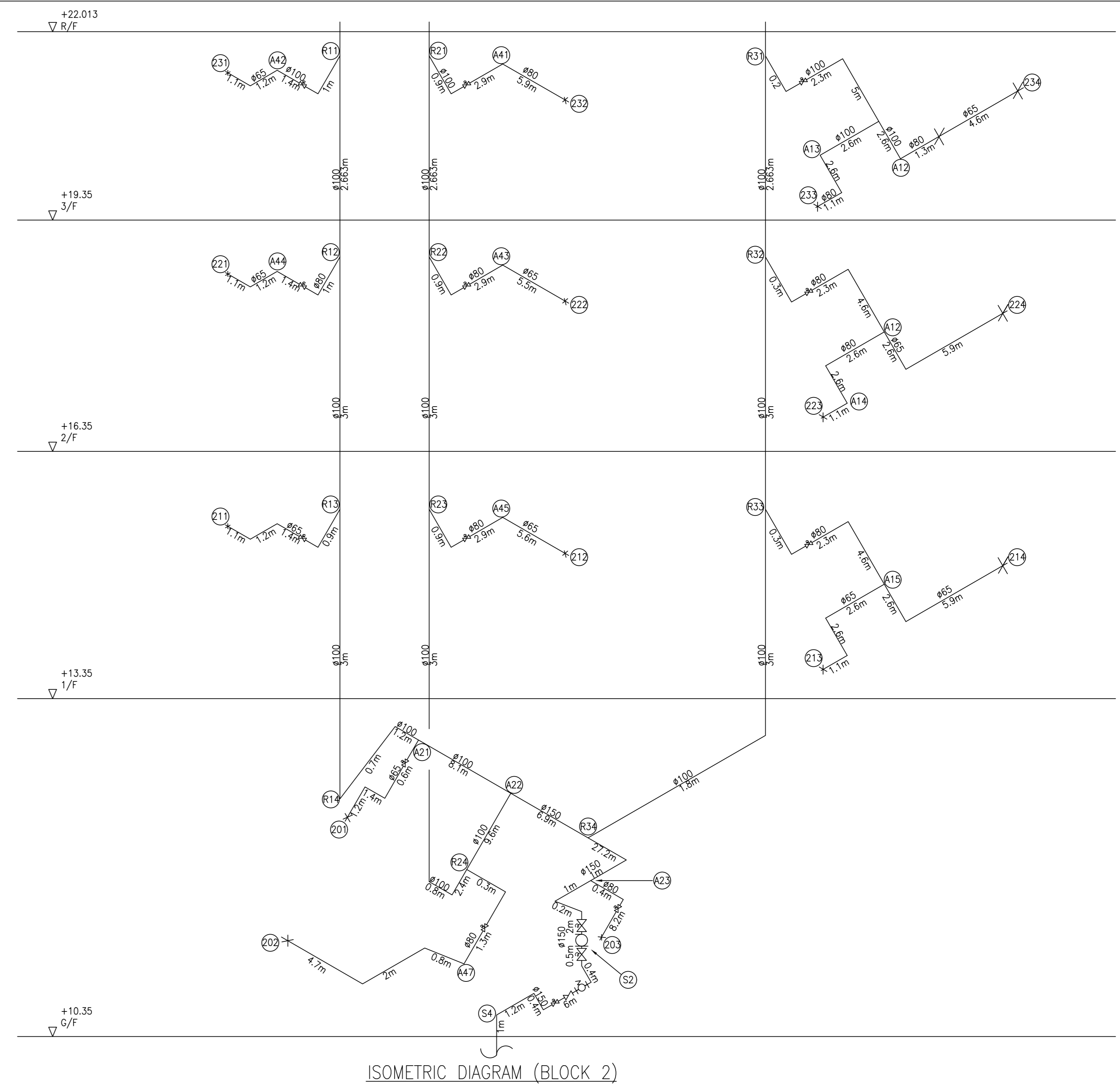
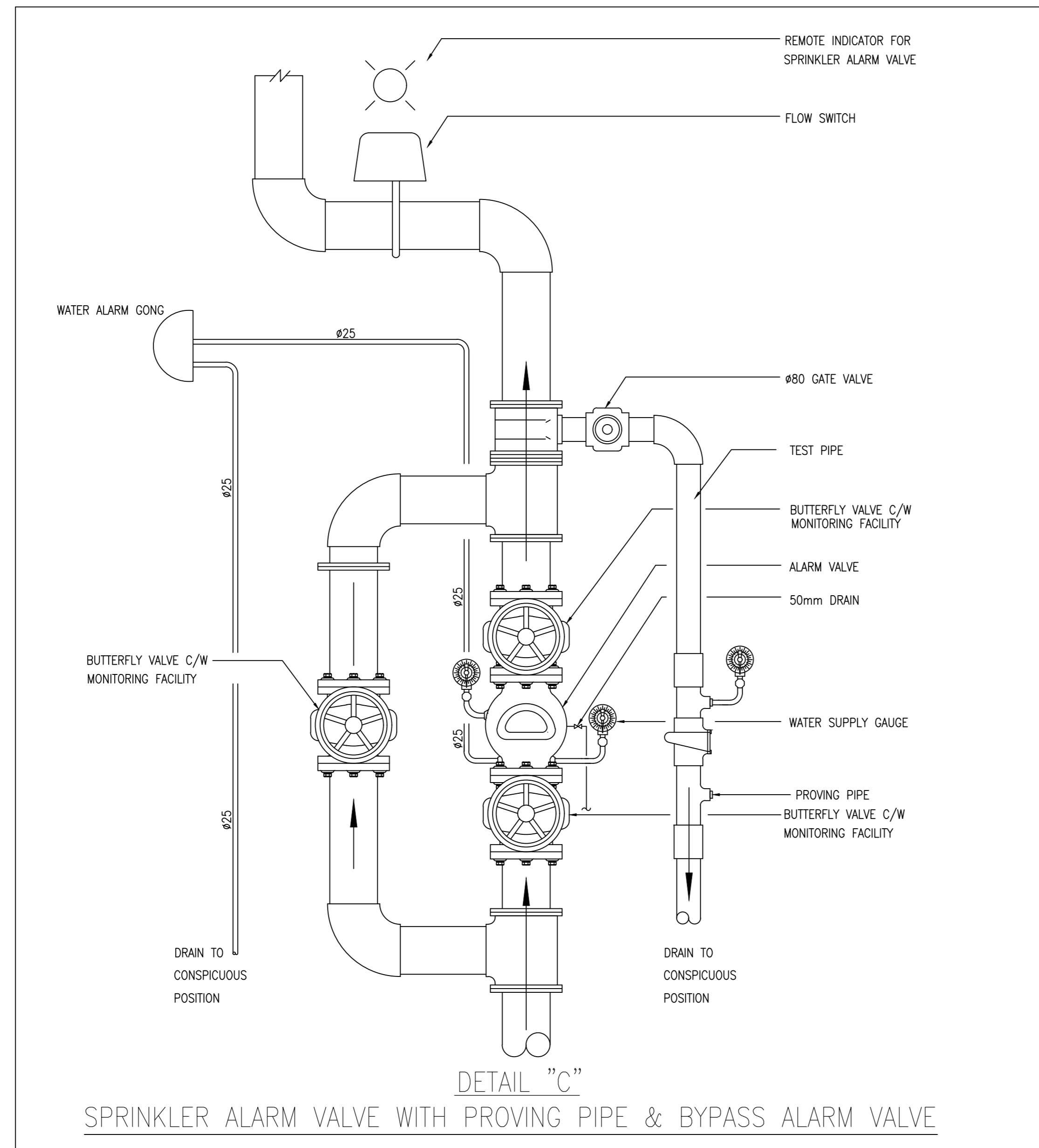
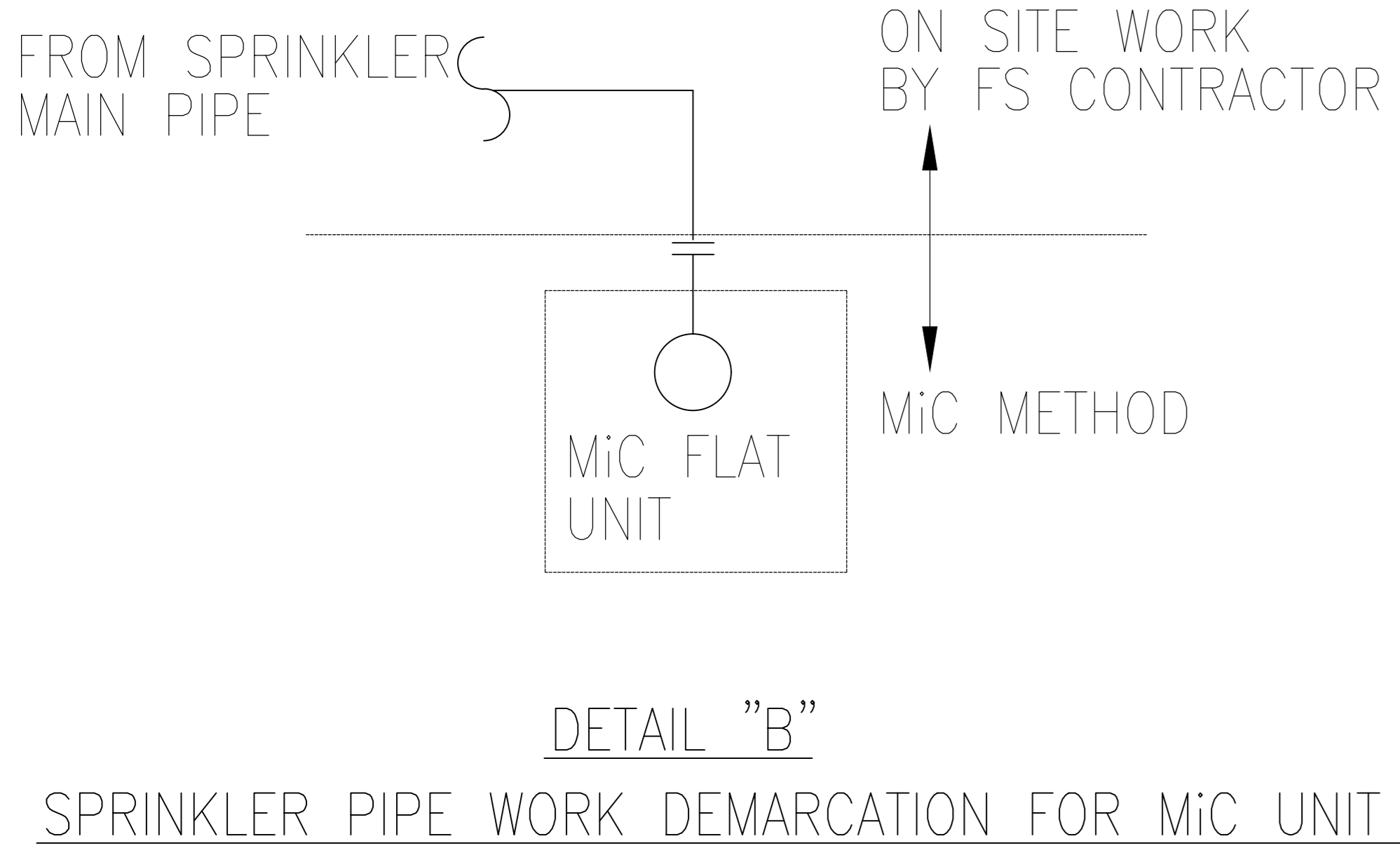
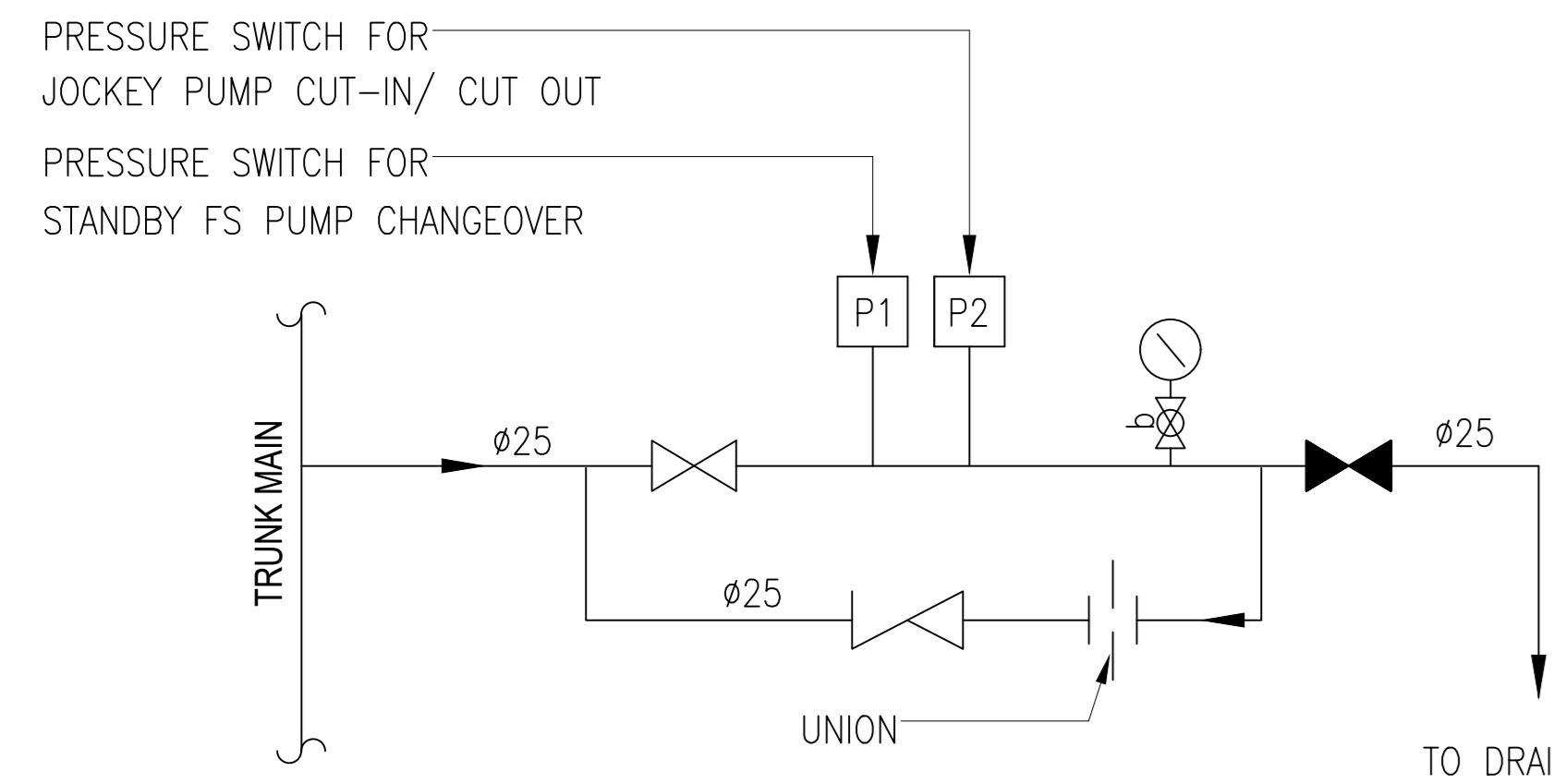
FIRE SERVICES SUB-CONTRACTOR:  
Lee Yu Kee  
Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

TITLE:  
FIRE SERVICES - FI/HR & SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 1

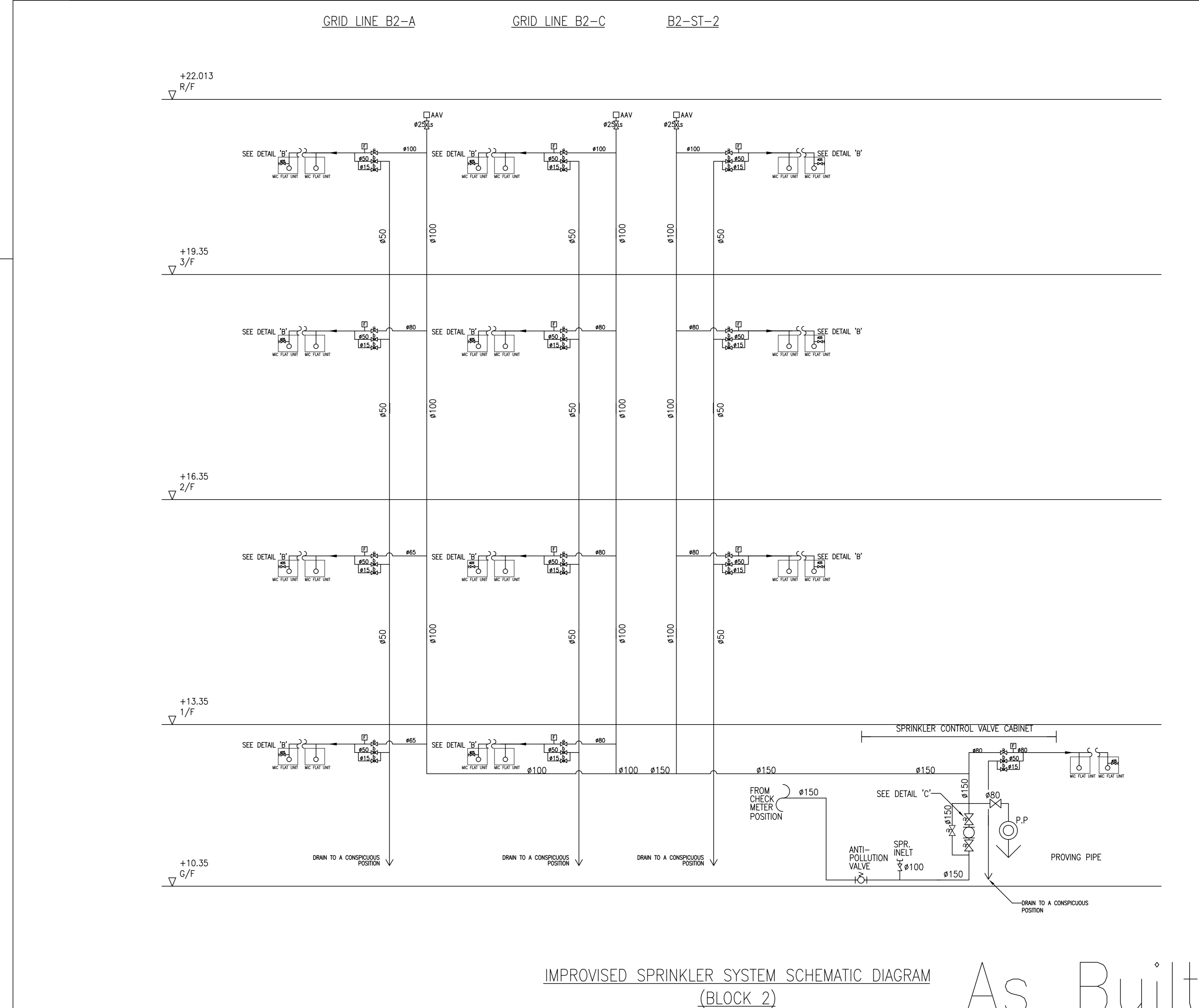
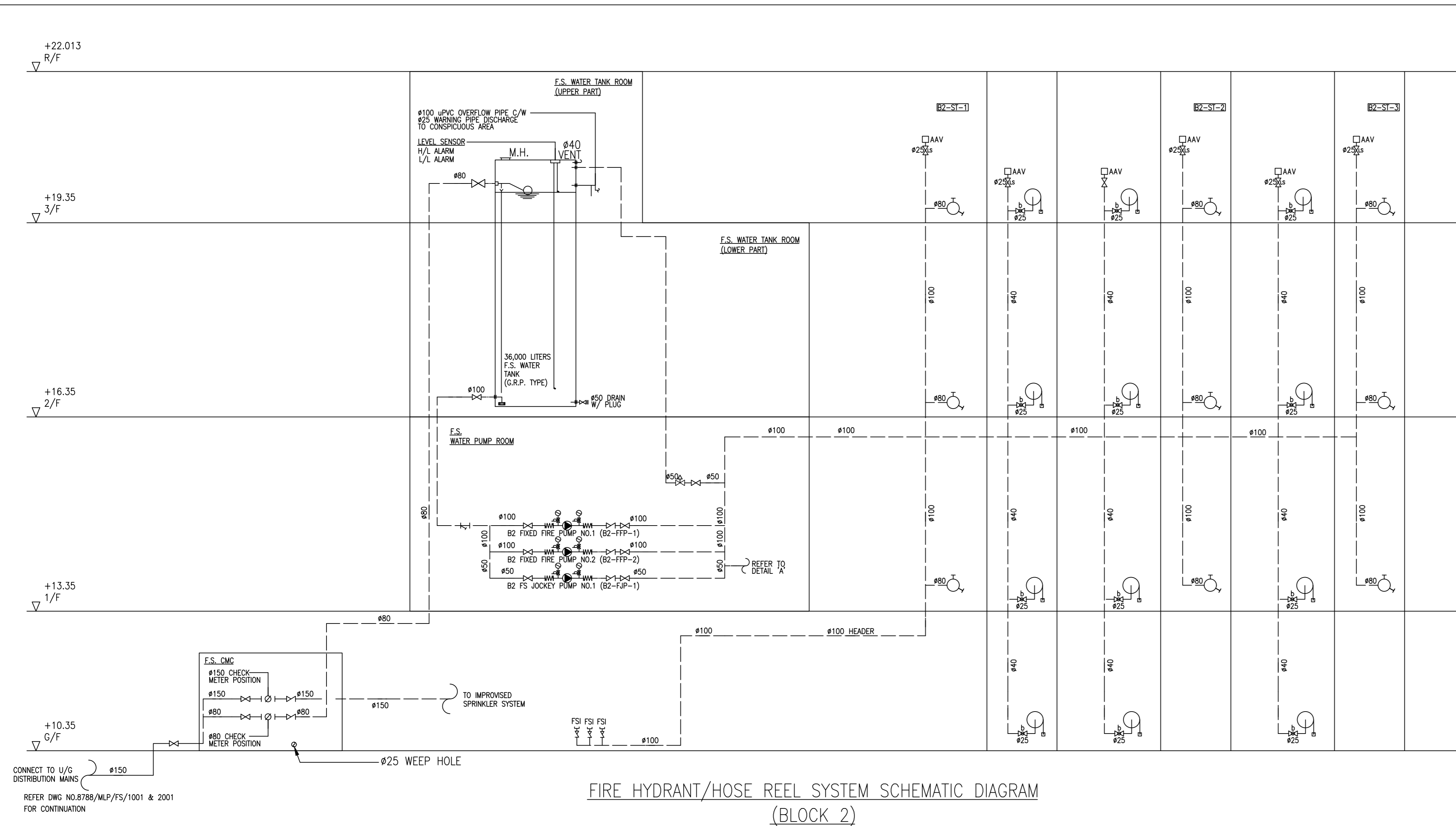
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32560 KHW/FS/FO-02 -

As Built



PUMP SCHEDULE

PUMP DESCRIPTION	PRESSURE (bar)	FLOW RATE (litres/min.)	PUMP TYPE	MOTOR POWER (kW)	EFFICIENCY (%)
FIXED FIRE PUMP	6.5	0	HORIZONTAL END SUCTION, CENTRIFUGAL, 2900 rpm	22.0	≥55
B2 FIXED FIRE PUMP NO.1 (B2-FFP-1) - DUTY	6	900			
B2 FIXED FIRE PUMP NO.1 (B2-FFP-2) - STANDBY					
FS JOCKEY PUMP	7.5	0	VERTICAL MULTI-STAGE CENTRIFUGAL, 2900 rpm	2.2	≥55
B2 FS JOCKEY PUMP NO.1 (B2-FJP-1)	7	900			



B.D. REFERENCE NUMBER:

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BUILDING SERVICES SUB-CONTRACTOR:  
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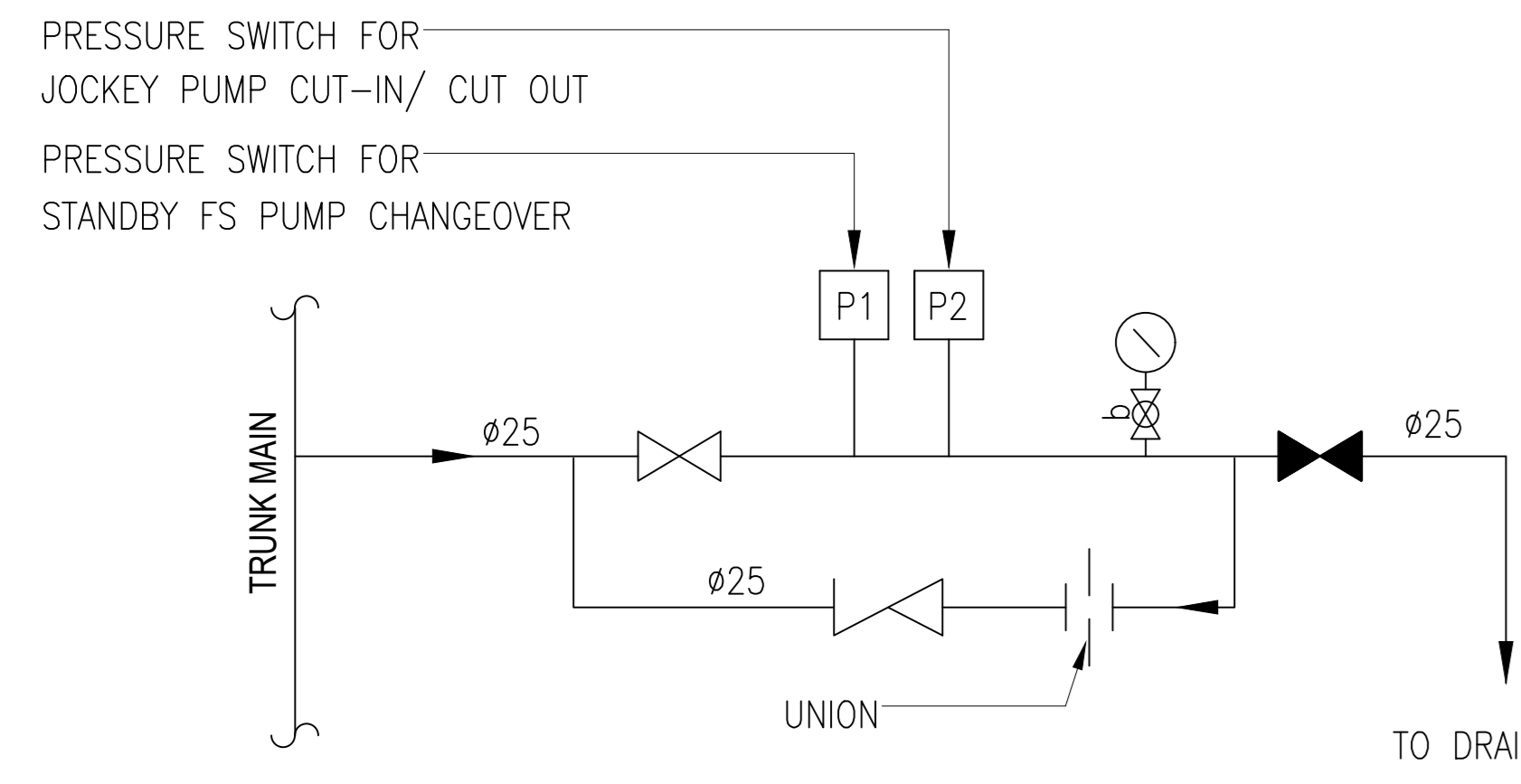
FIRE SERVICES SUB-CONTRACTOR:  
Lee Yu Kee  
Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

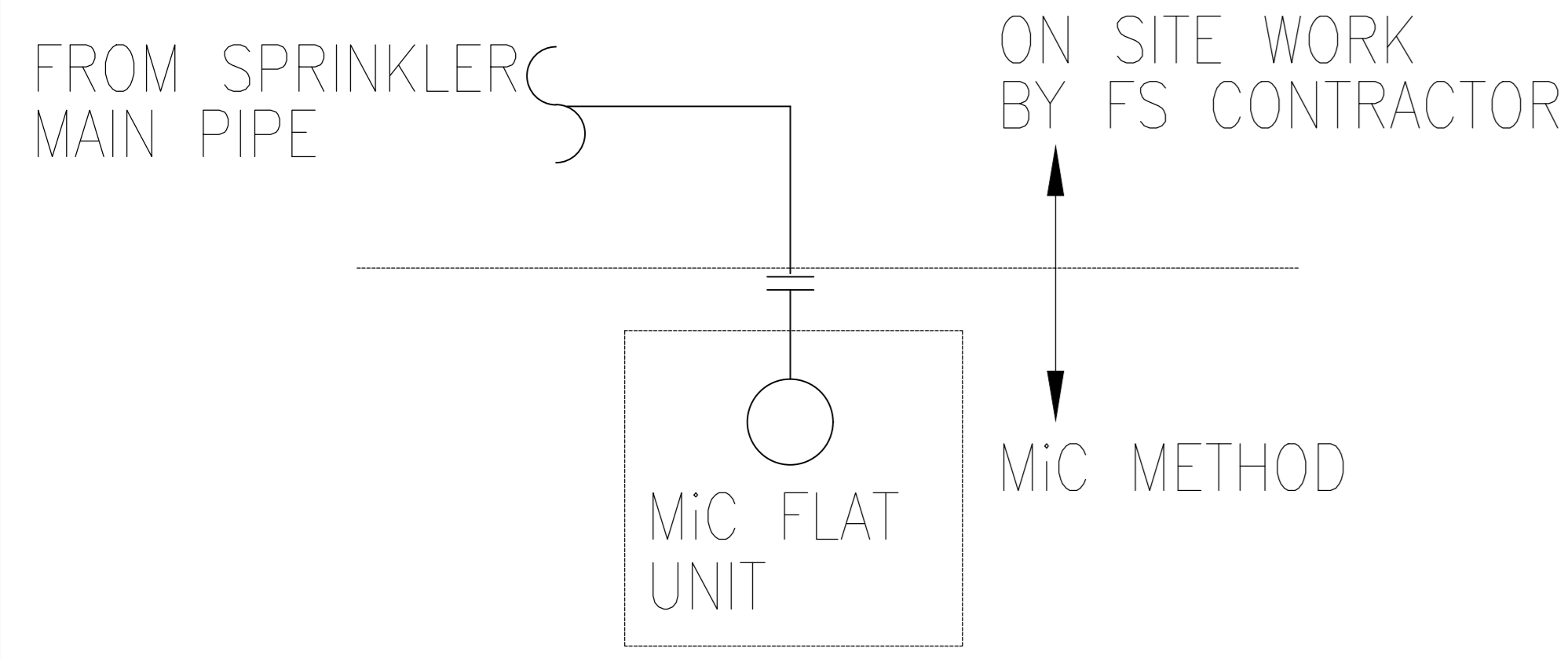
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FIRE SERVICES - FH/HR & SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 2

DATE: 04/2021 SCALE: N.T.S.  
DRAWN: [ ] CHECKED: [ ] DESIGNED: [ ] REVIEWED: [ ]  
JOB NO. [ ] DRAWING NO. [ ] REV. NO. [ ]  
32560 KHW/FS/F0-03 -

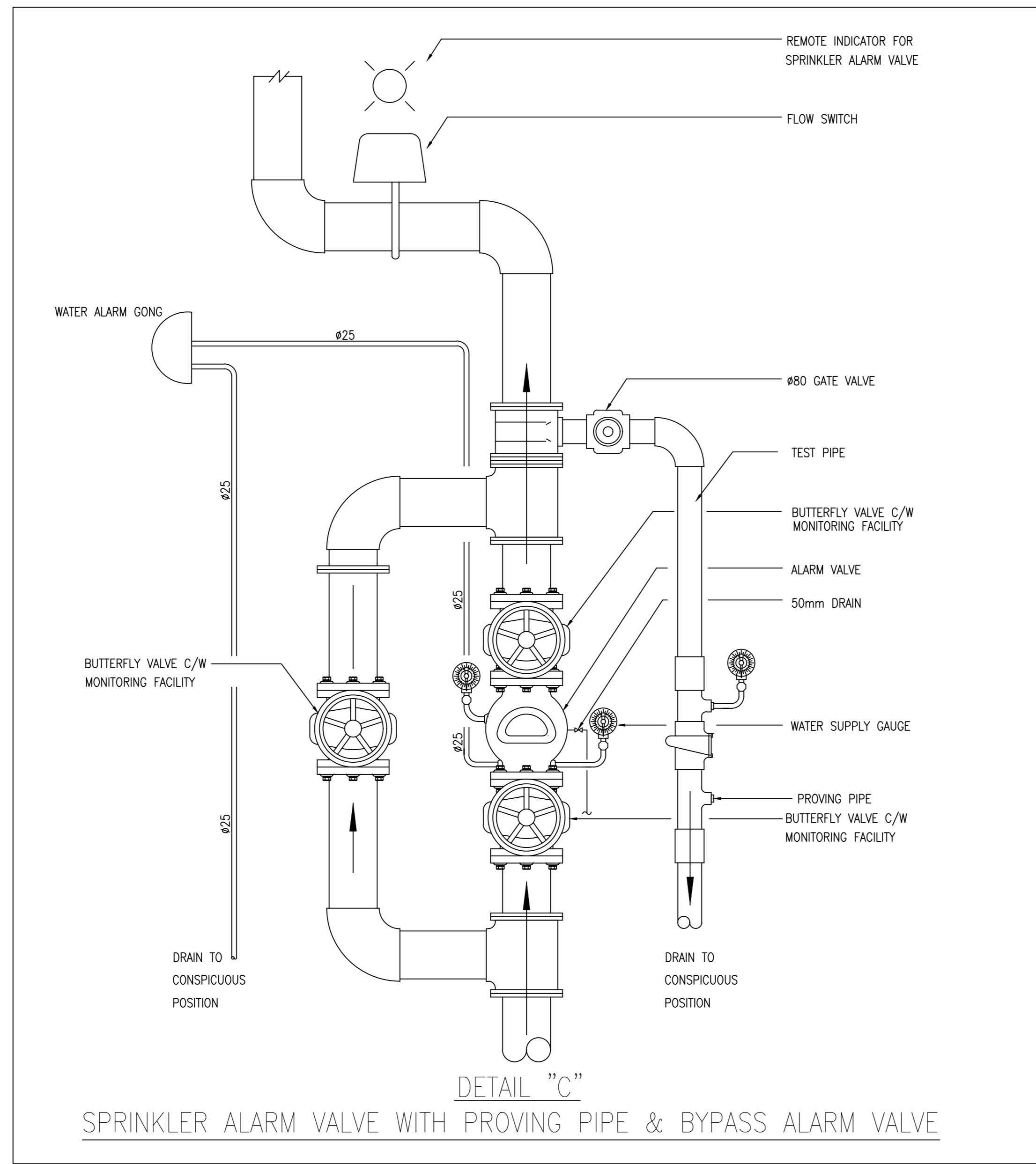
As Built



DETAIL "A"  
PRESSURE SWITCH ASSEMBLY



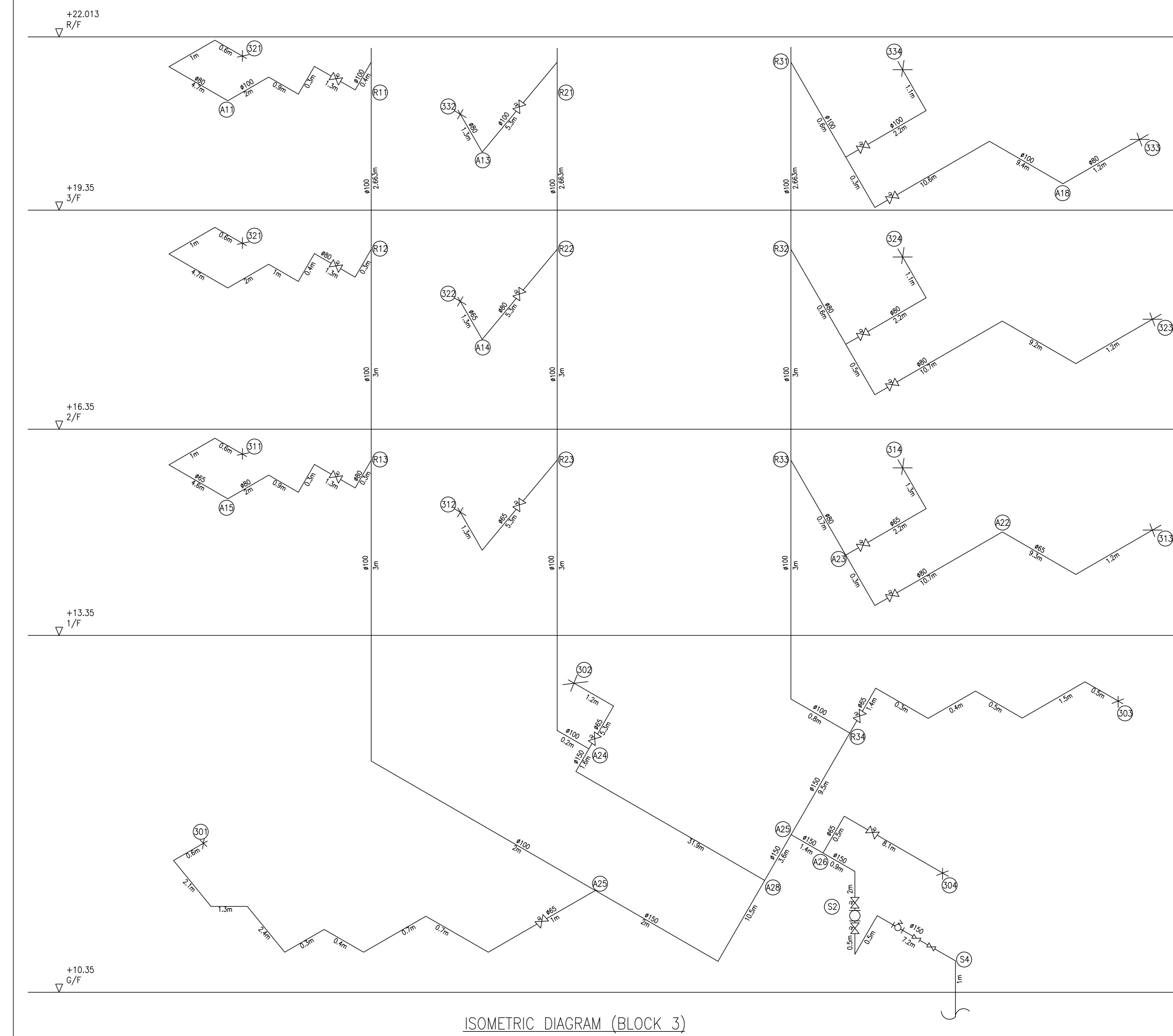
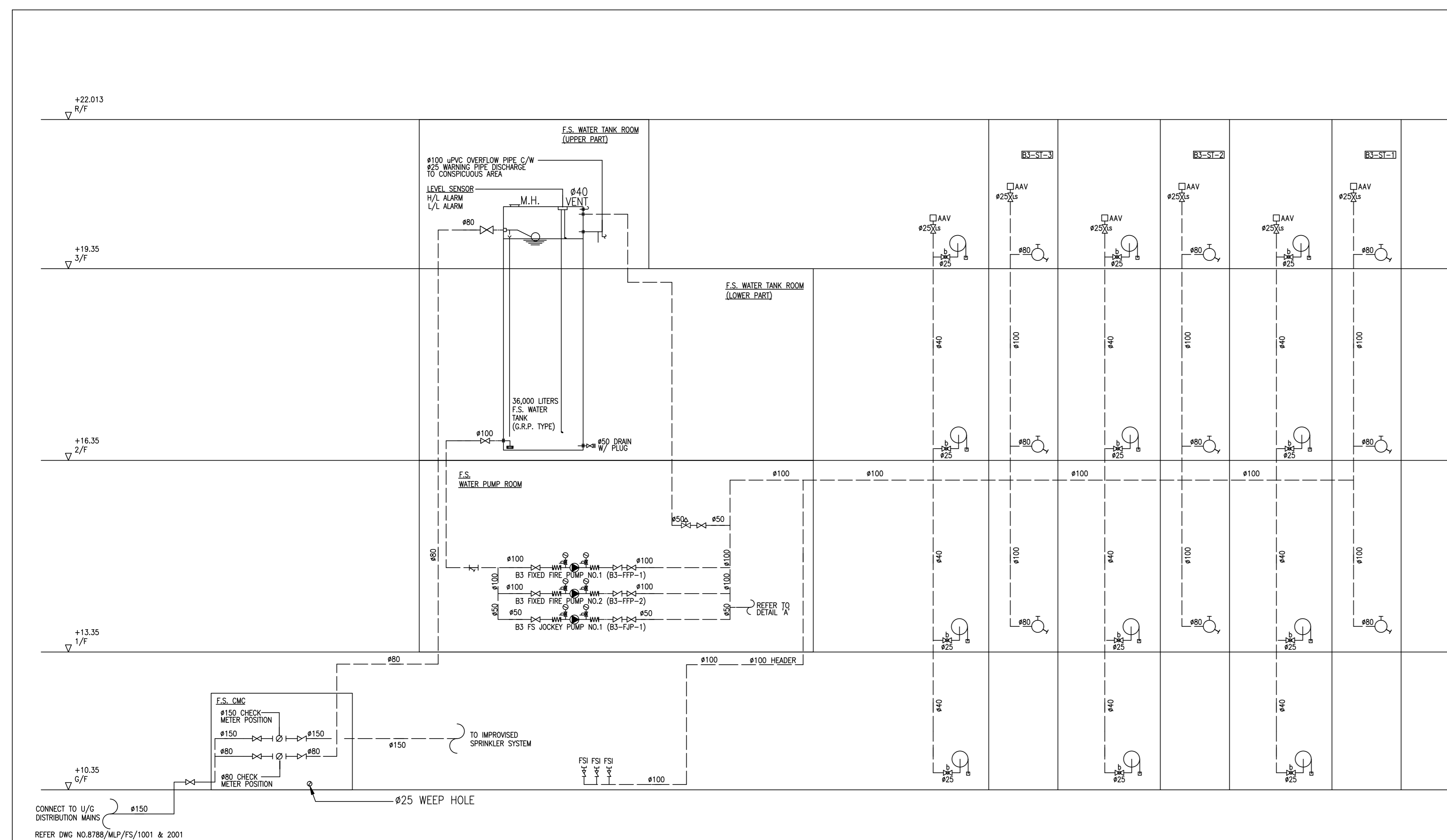
DETAIL "B"  
SPRINKLER PIPE WORK DEMARCATION FOR MiC UNIT



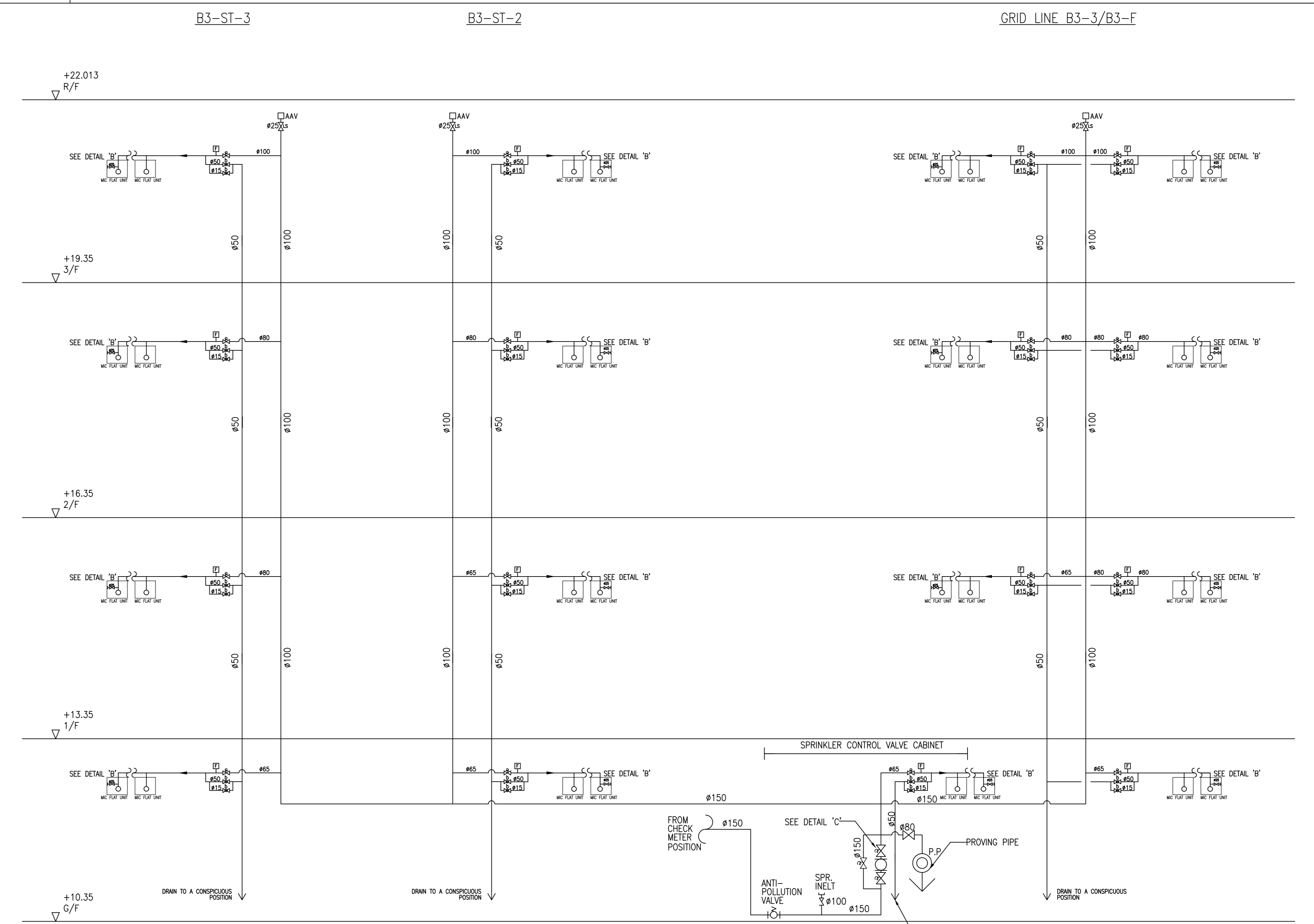
DETAIL "C"  
SPRINKLER ALARM VALVE WITH PROVING PIPE & BYPASS ALARM VALVE

PUMP SCHEDULE

PUMP DESCRIPTION	PRESSURE (bar)	FLOW RATE (litres/min.)	PUMP TYPE	MOTOR POWER (kW)	EFFICIENCY (%)
FIXED FIRE PUMP	6.5	0	HORIZONTAL END SUCTION, CENTRIFUGAL, 2900 rpm	22.0	≥55
B3 FIXED FIRE PUMP NO.1 (B3-FFP-1) - DUTY	6	900			
B3 FIXED FIRE PUMP NO.1 (B3-FFP-2) - STANDBY					
FS JOCKEY PUMP	7.5	0	VERTICAL MULTI-STAGE CENTRIFUGAL, 2900 rpm	2.2	≥55
B3 FS JOCKEY PUMP NO.1 (B3-FJP-1)	7	900			



ISOMETRIC DIAGRAM (BLOCK 3)



As Built

B.D. REFERENCE NUMBER:

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達信

BUILDING SERVICES SUB-CONTRACTOR:  
Alliance Contracting Co., Ltd.

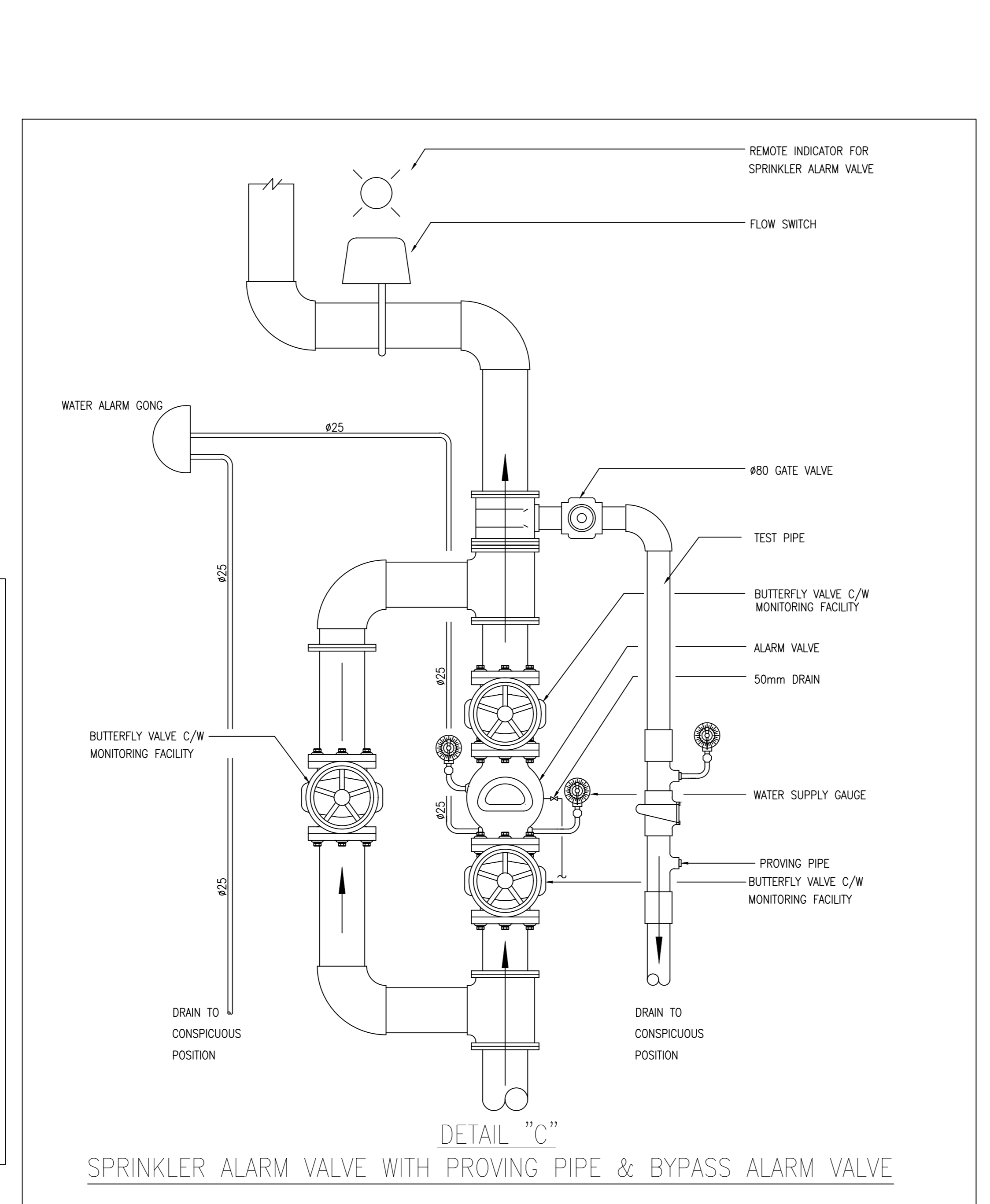
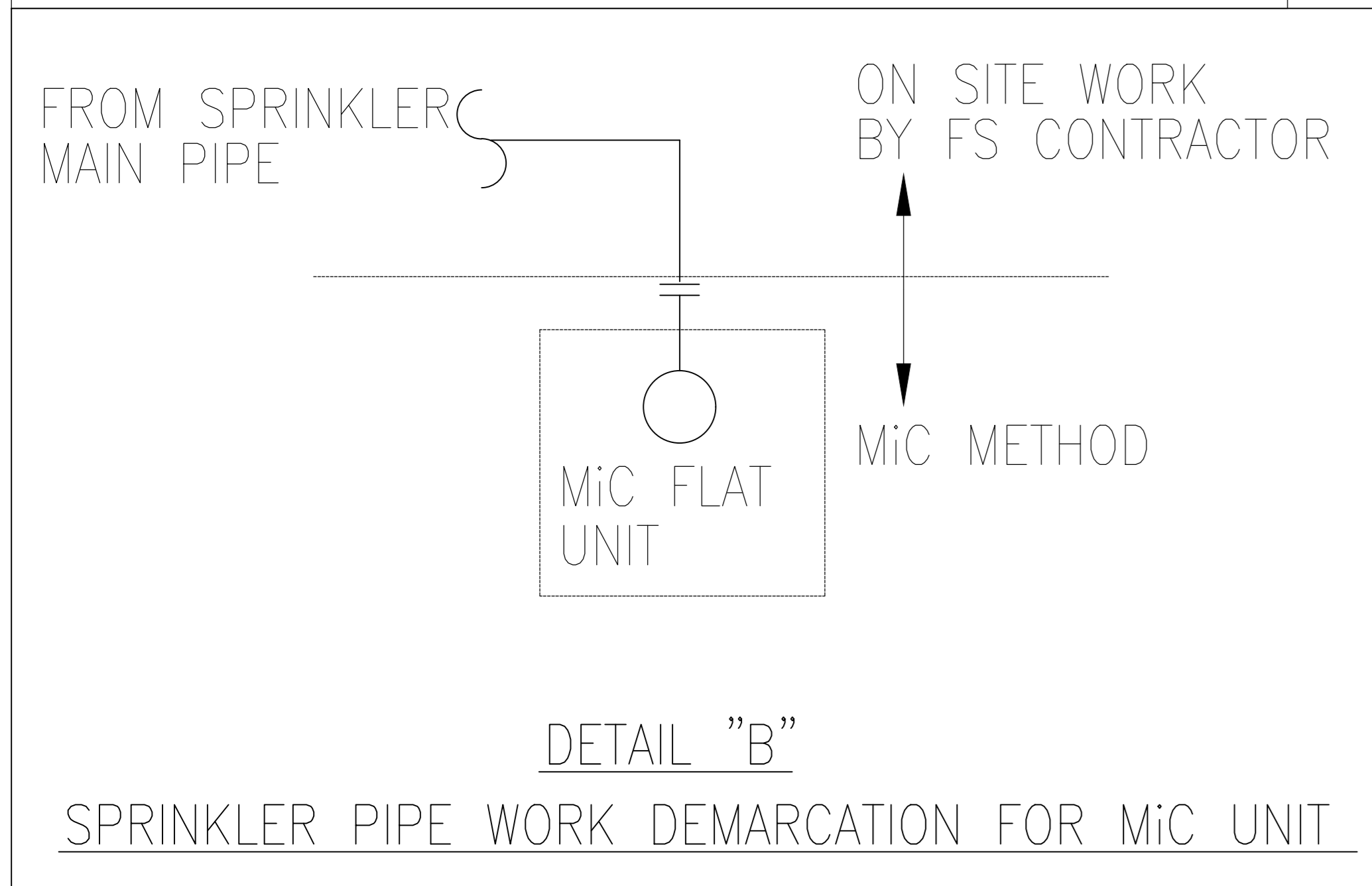
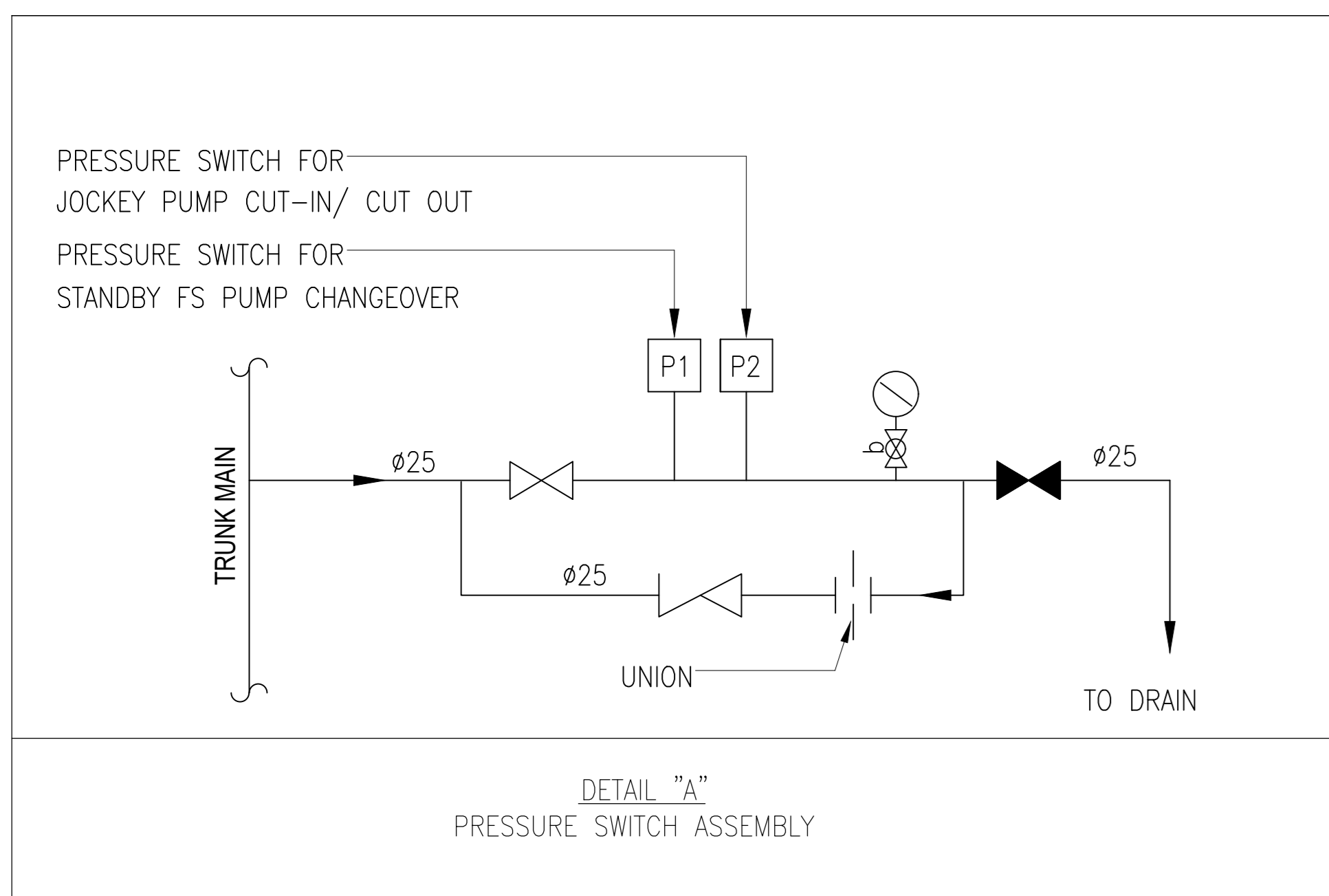
FIRE SERVICES SUB-CONTRACTOR:  
Lee Yu Kee  
Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

TITLE:  
FIRE SERVICES - FH/HR & SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 3

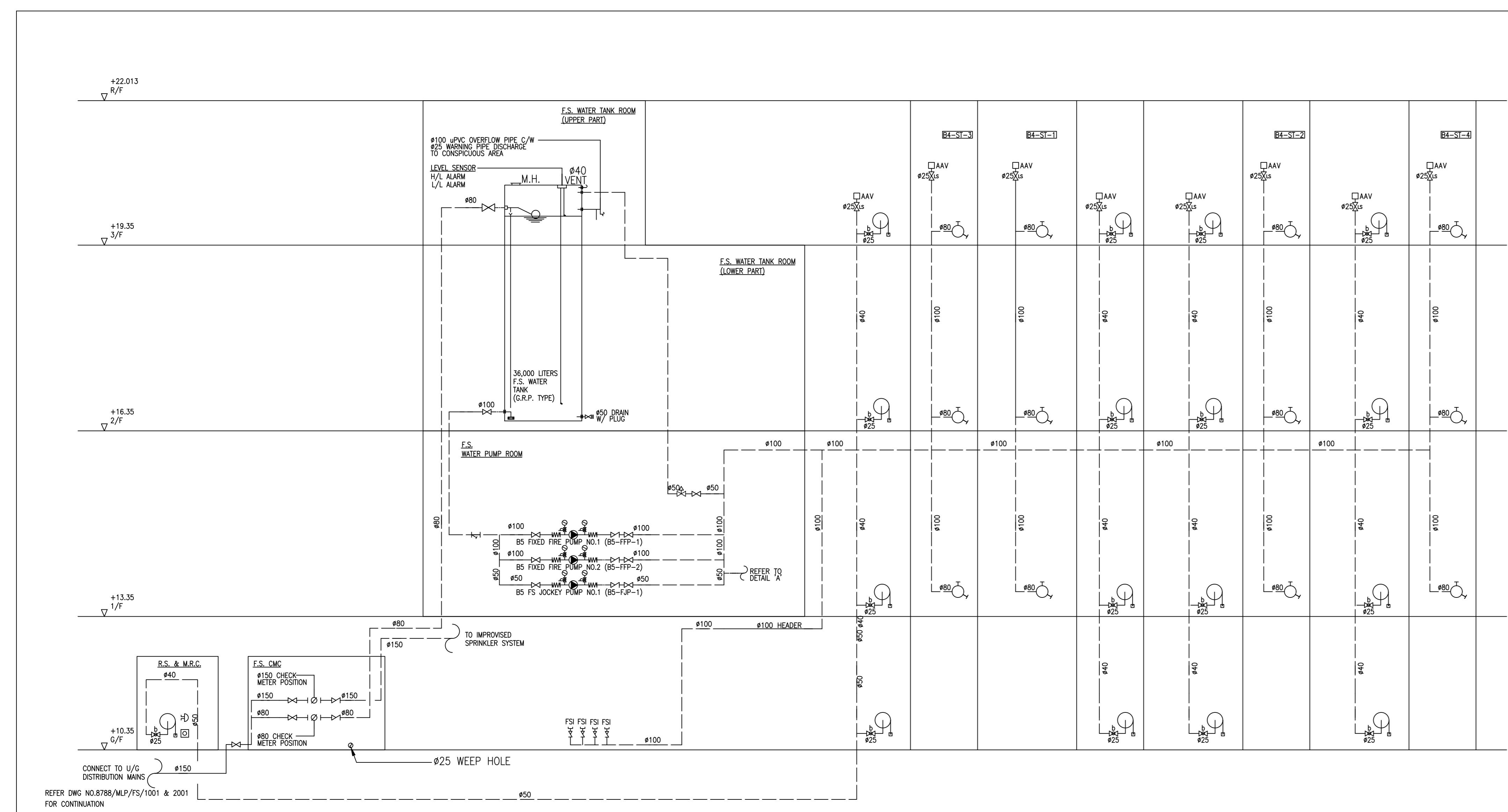
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JOB NO. DRAWING NO. REV. NO.

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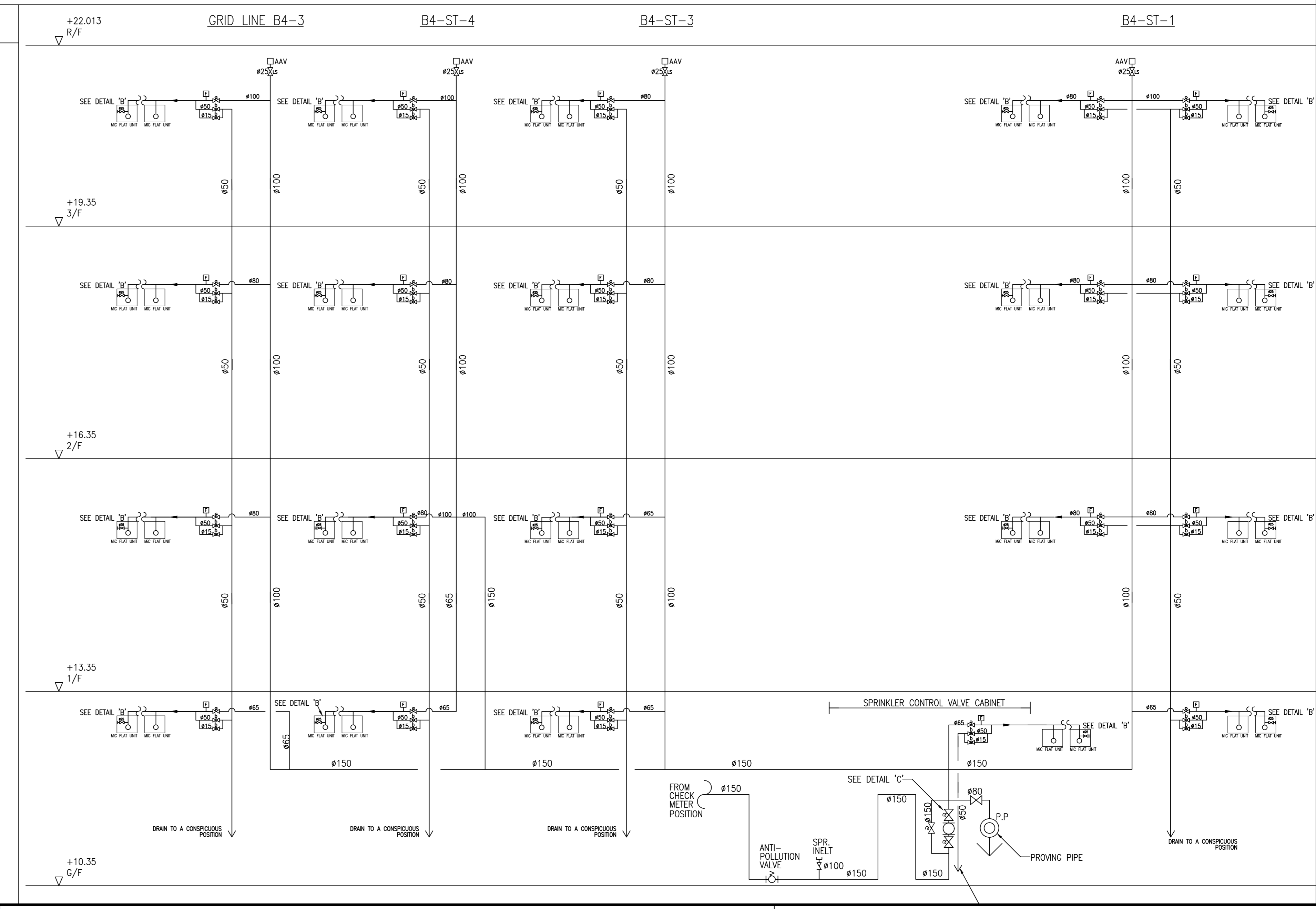
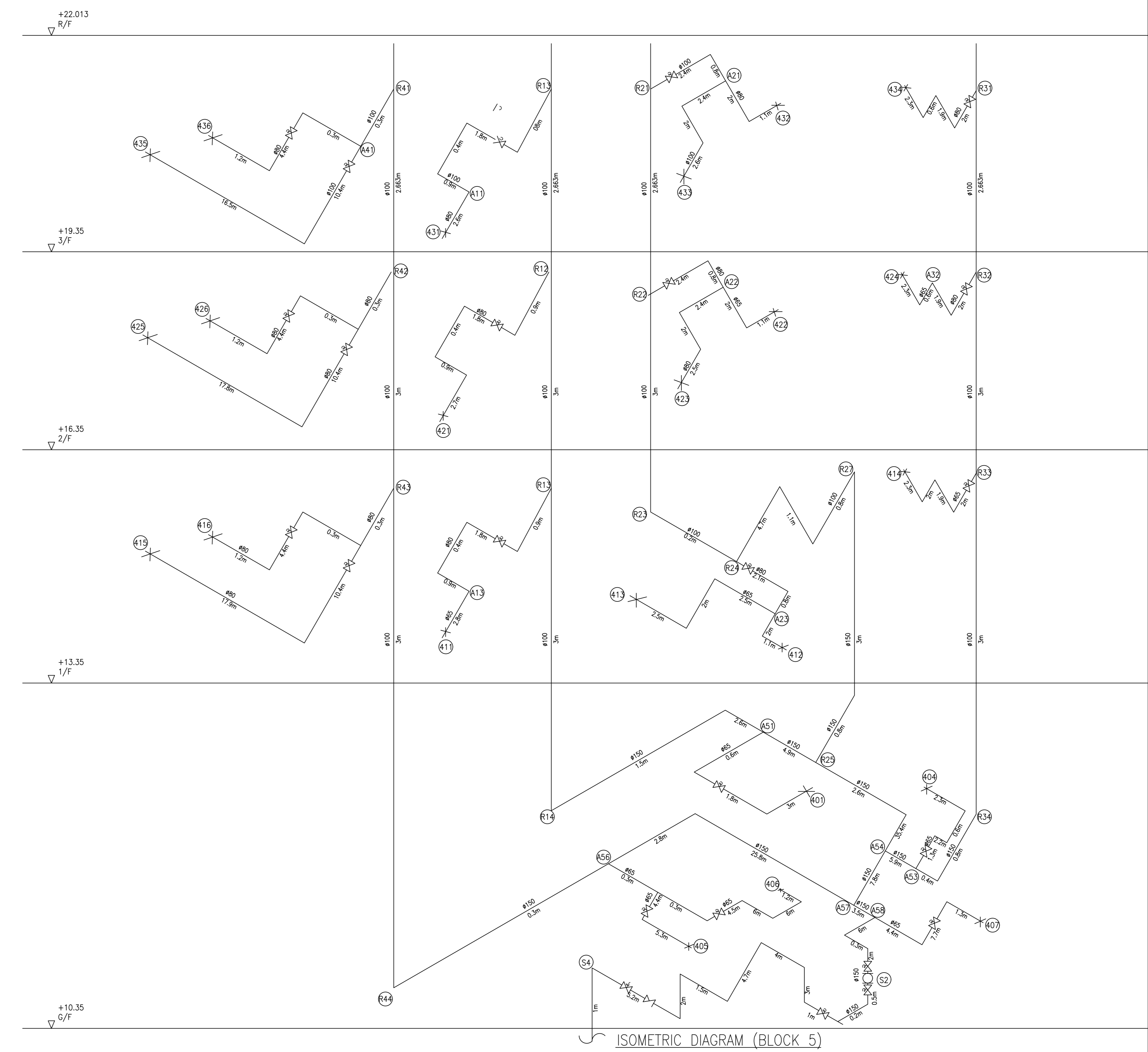
PUMP SCHEDULE

PUMP DESCRIPTION	PRESSURE (bar)	FLOW RATE (litres/min.)	PUMP TYPE	MOTOR POWER (kW)	EFFICIENCY (%)
FIXED FIRE PUMP	6.5	0	HORIZONTAL END SUCTION, CENTRIFUGAL, 2900 rpm	22.0	≥55
B5 FIXED FIRE PUMP NO.1 (B5-FFP-1) - DUTY	6	900			
B5 FIXED FIRE PUMP NO.1 (B5-FFP-2) - STANDBY					
FS JOCKEY PUMP	7.5	0	VERTICAL MULTI-STAGE CENTRIFUGAL, 2900 rpm	2.2	≥55
B5 FS JOCKEY PUMP NO.1 (B5-FJP-1)	7	900			



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FIRE HYDRANT/HOSE REEL SYSTEM SCHEMATIC DIAGRAM (BLOCK 5)



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JRP  
凌信

**BUILDING SERVICES SUB-CONTRACTOR:**  
AIE  
Alliance Contracting Co., Ltd.

**FIRE SERVICES SUB-CONTRACTOR:**  
Lee Yu Kee  
Fire Protection Ltd.

**PROJECT:**  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

**TITLE:**  
FIRE SERVICES - FH/HR & SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 5

**DATE:** 04/2021 **SCALE:** N.T.S.  
**DRAWN:** 1 **CHECKED:** 2 **DESIGNED:** 3 **REVIEWED:** 4  
**JOB NO.:** **DRAWING NO.:** 32560 **REV. NO.:** 0

ø50mm CHECK METER POSITION FOR FH/HR SYSTEM

ø80mm CHECK METER POSITION FOR SPR. SYSTEM

ø80mm SPR SUPPLY PIPE

ø50mm FS SUPPLY PIPE AT M/L & TURN AT H/L

ø80mm FS SUPPLY PIPE FOR AMENITY BLOCK 1 REFER DWG. NO. 8788/MLP/FS/2001 FOR CONTINUATION

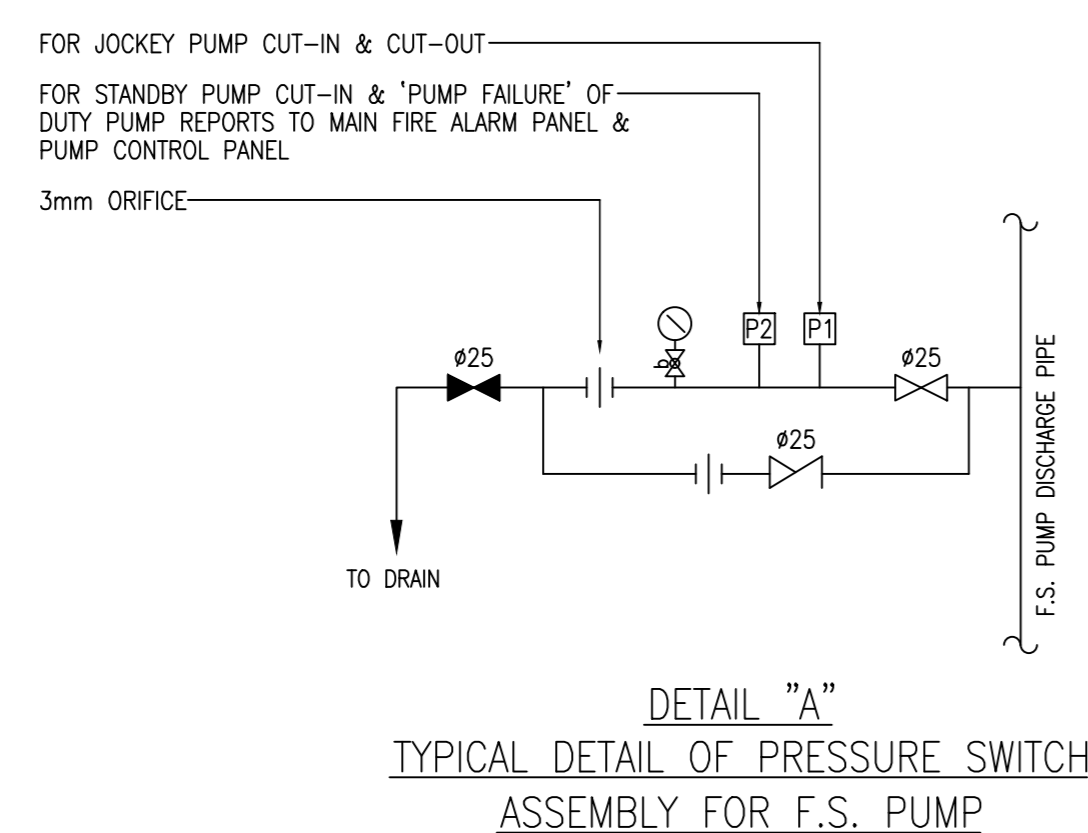
ø50mm FOR FH/HR SYSTEM  
ø80mm FOR SPR. SYSTEM

DISPLAY BOARD

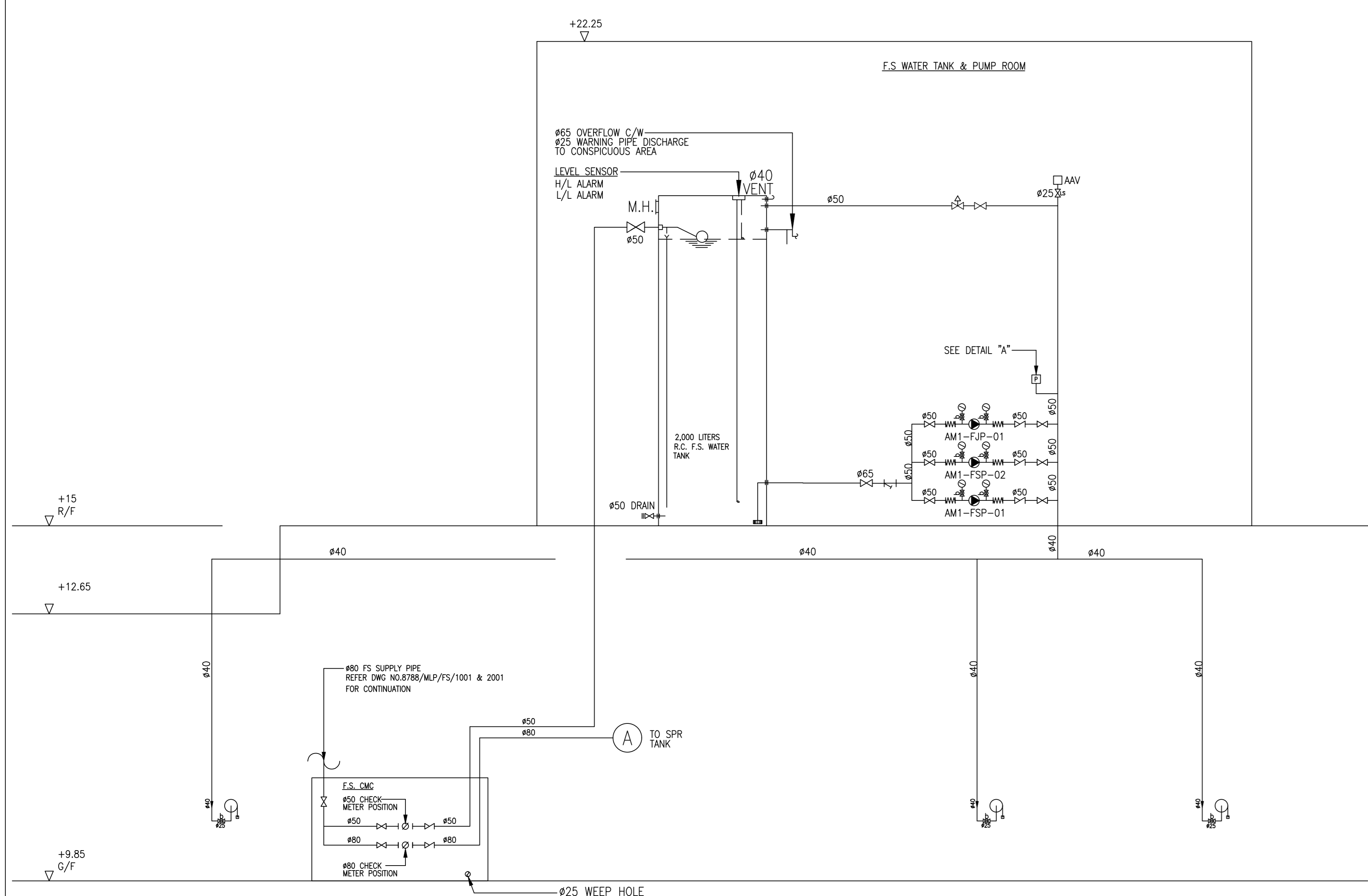
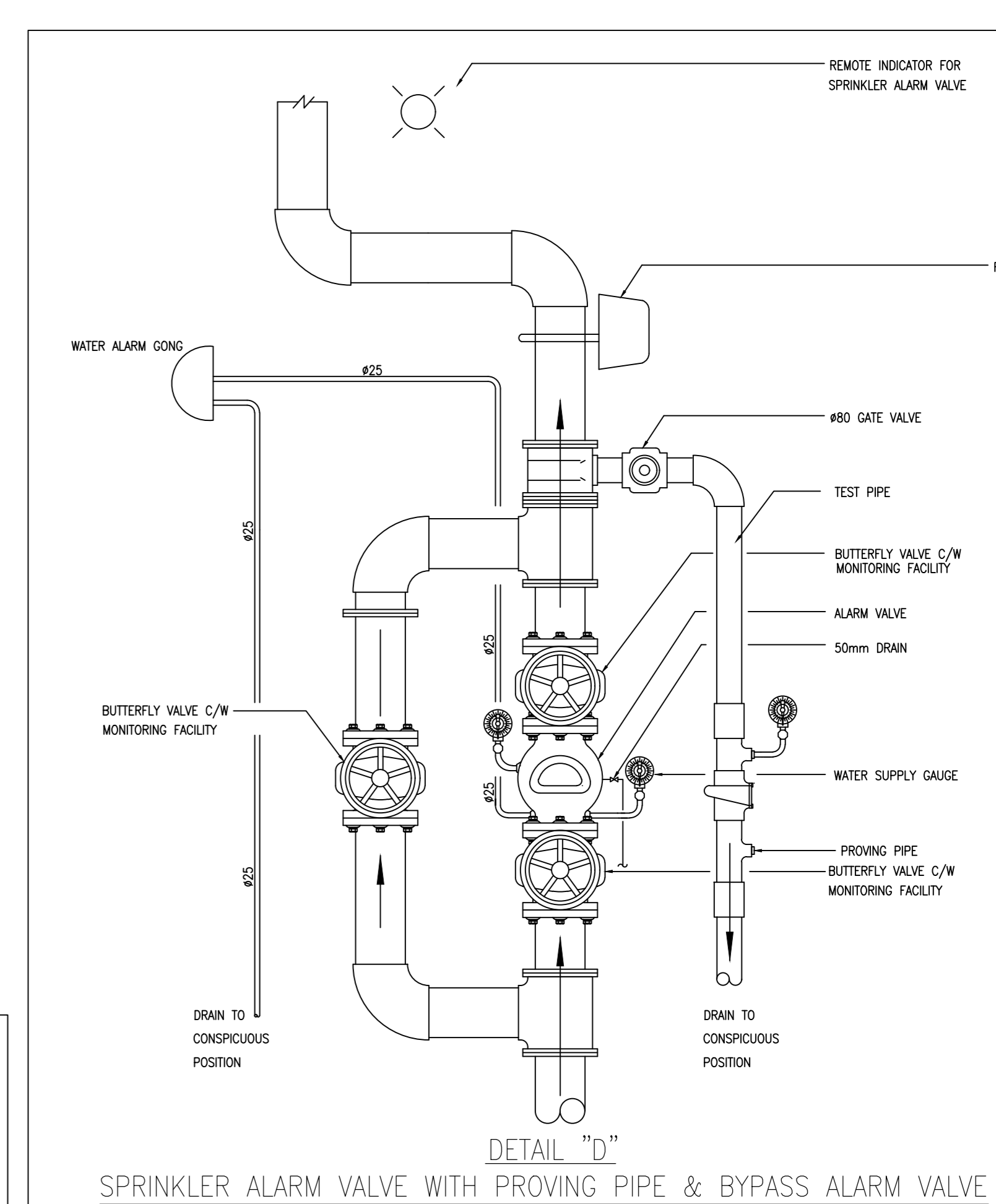
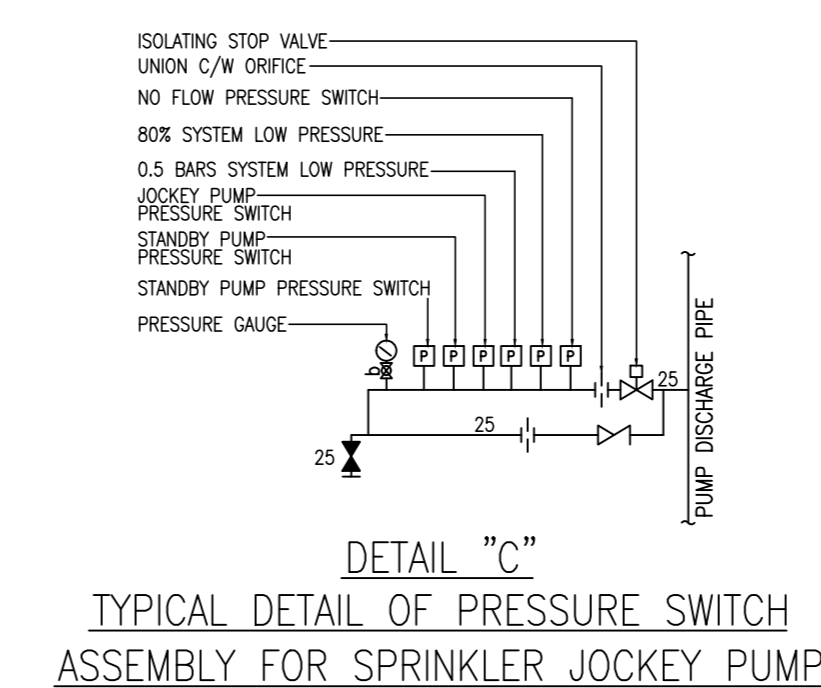
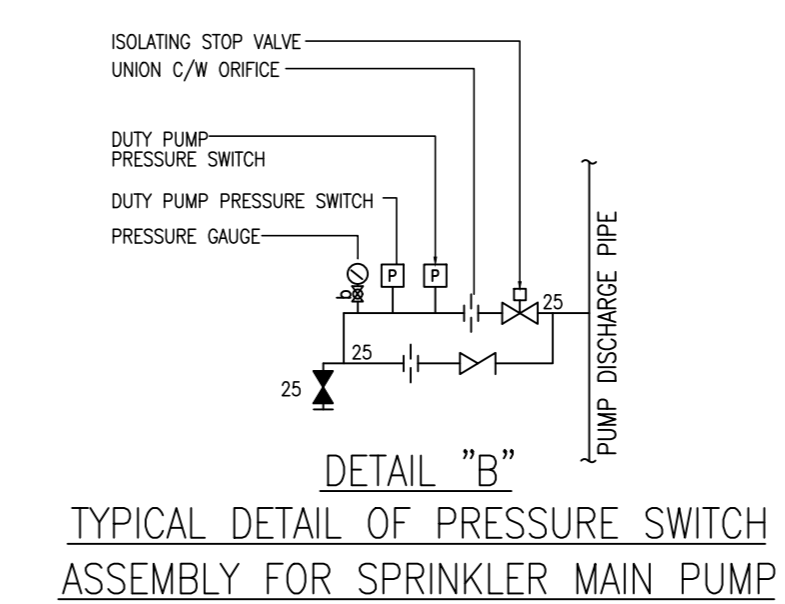
ø25mm WEEP HOLE

DETAILS OF CHECK METER POSITION (AMENITY BLOCK 1)

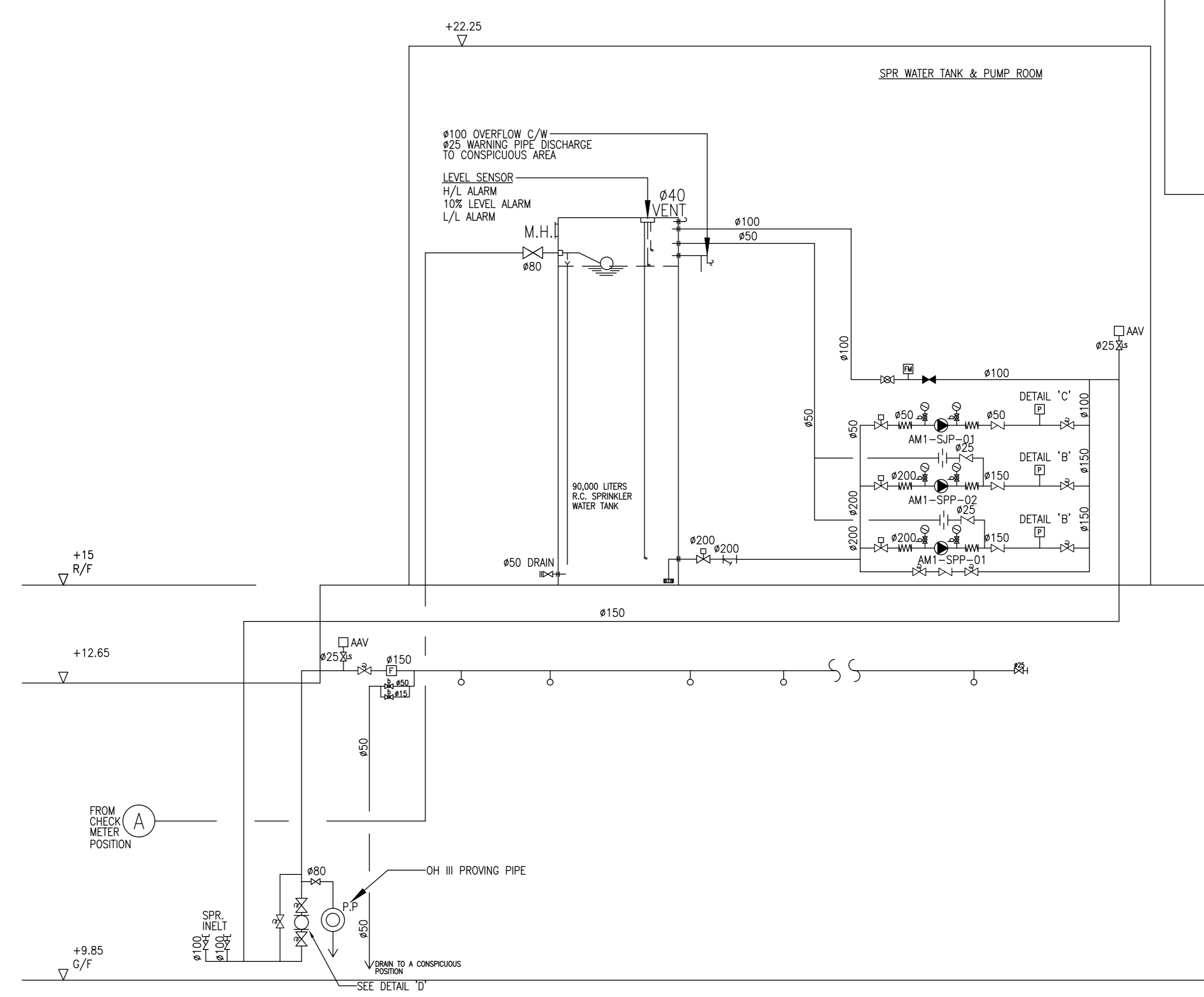
FIRE HOSE REEL PUMP SCHEDULE			
PUMP DESIGNATION	PRESSURE (BAR)	FLOW (L/min)	PUMP SPEED (RPM)
AM1-FSP-01 (DUTY)	5.5	60	2800
AM1-FSP-02 (STANDBY)	5.5	60	2800
FIRE HOSE REEL JOCKEY PUMP SCHEDULE			
AM1-FJP-01	6.0	30	2900



SPRINKLER PUMP SCHEDULE			
PUMP DESIGNATION	PRESSURE (BAR)	FLOW (L/min)	PUMP SPEED (RPM)
SPRINKLER MAIN PUMP			
AM1-SPP-01 (DUTY)	1.4/2.8/3.2	2250/1350/1100	2900
AM1-SPP-02 (STANDBY)	1.4/2.8/3.2	2250/1350/1100	2900
SPRINKLER JOCKEY PUMP			
AM1-SJP-01	5.0	30	2900



FIRE HYDRANT/ HOSE REEL SYSTEM SCHEMATIC DIAGRAM (AMENITY BLOCK 1)



AUTOMATIC SPRINKLER SYSTEM SCHEMATIC DIAGRAM (AMENITY BLOCK 1)

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DESIGN & BUILD M/E ENGINEER CONSULTANT:

BUILDING SERVICES SUB-CONTRACTOR:

FIRE SERVICES SUB-CONTRACTOR:

PROJECT:

TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

TITLE:

FIRE SERVICES - FH/HR & SPRINKLER SYSTEM SCHEMATIC DIA. FOR AMENITY BLOCK 1

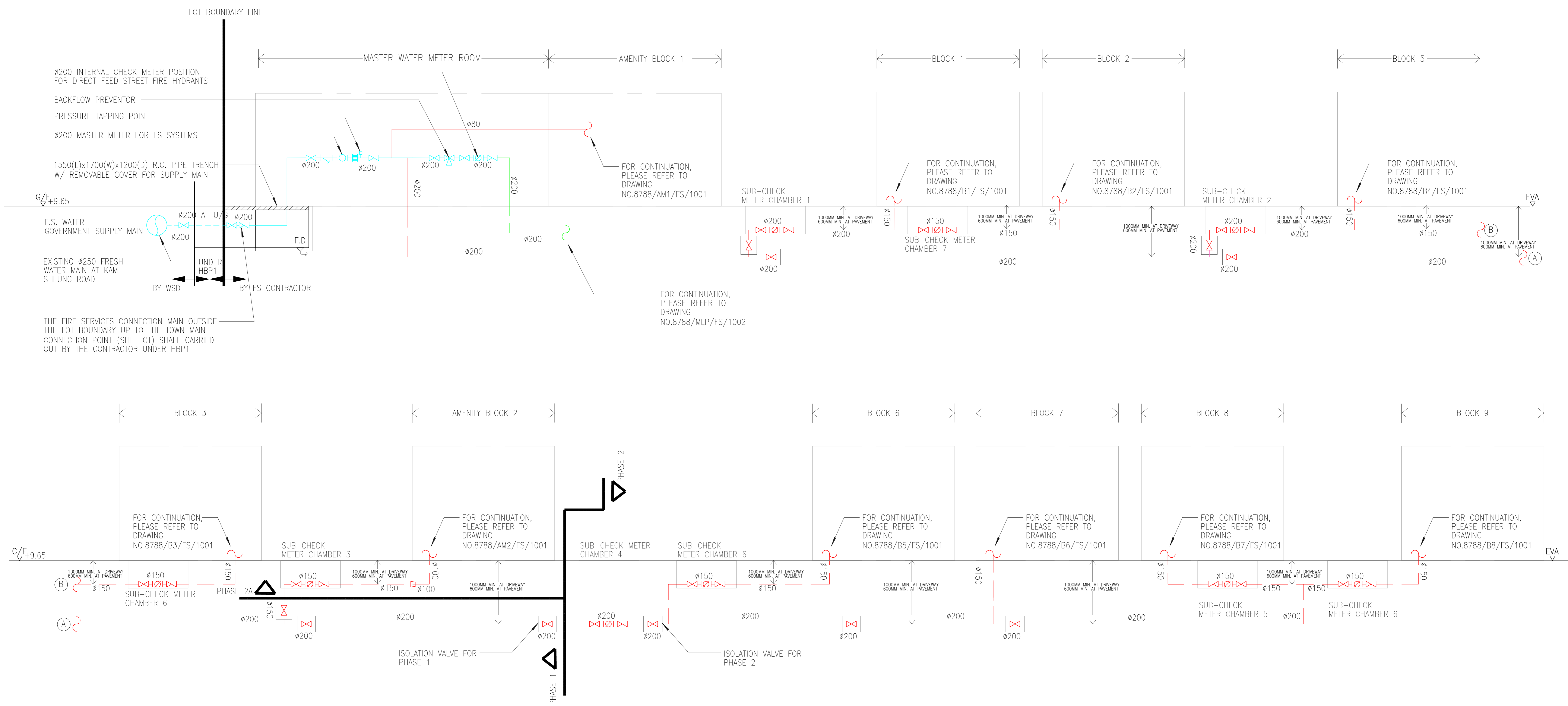
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JOB NO. [ ] DRAWING NO. [ ] REV. NO. [ ]

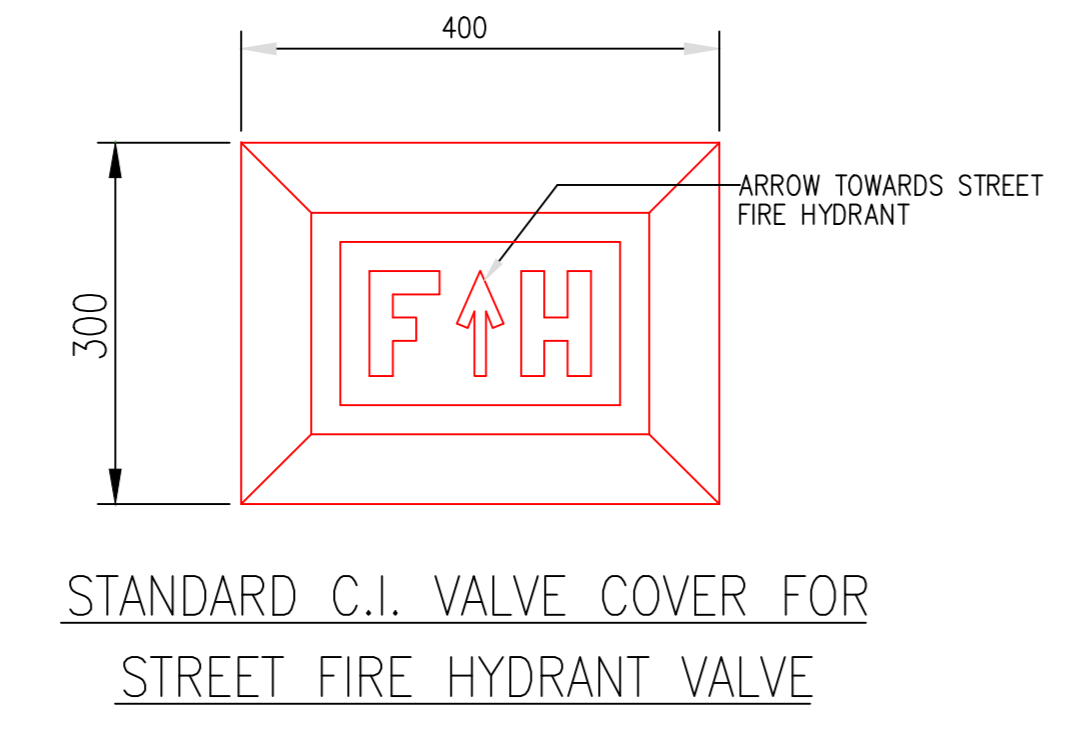
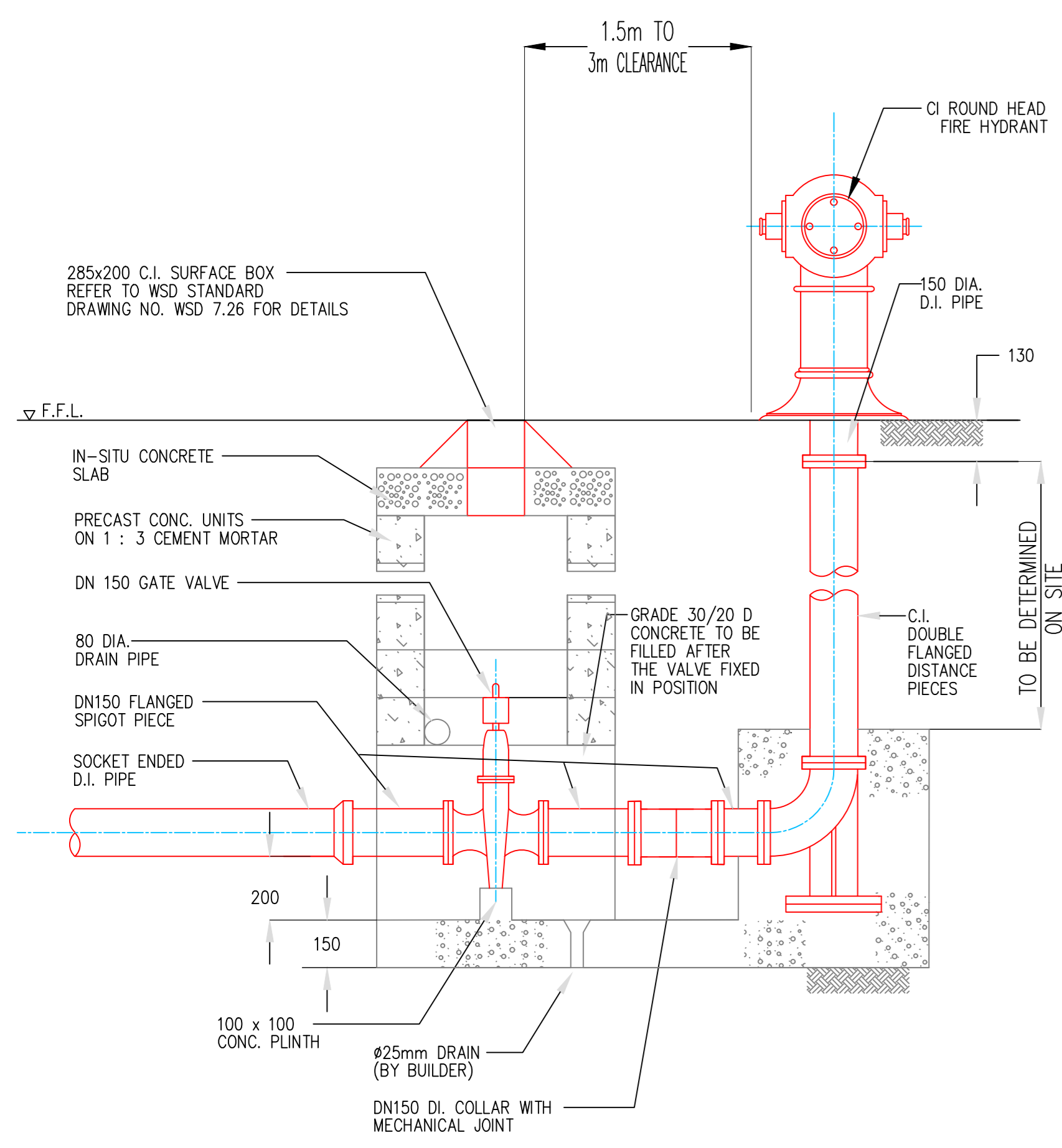
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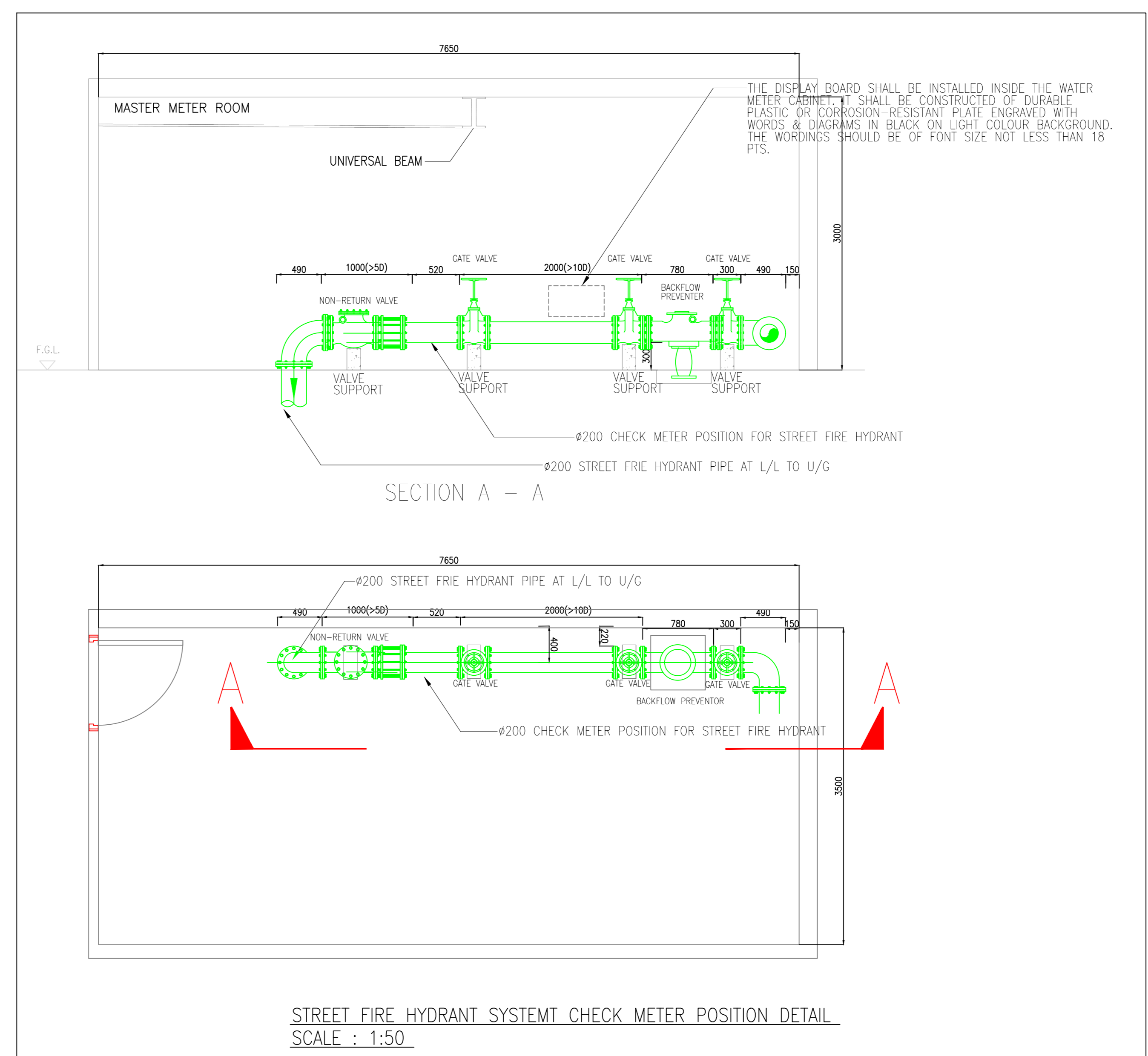


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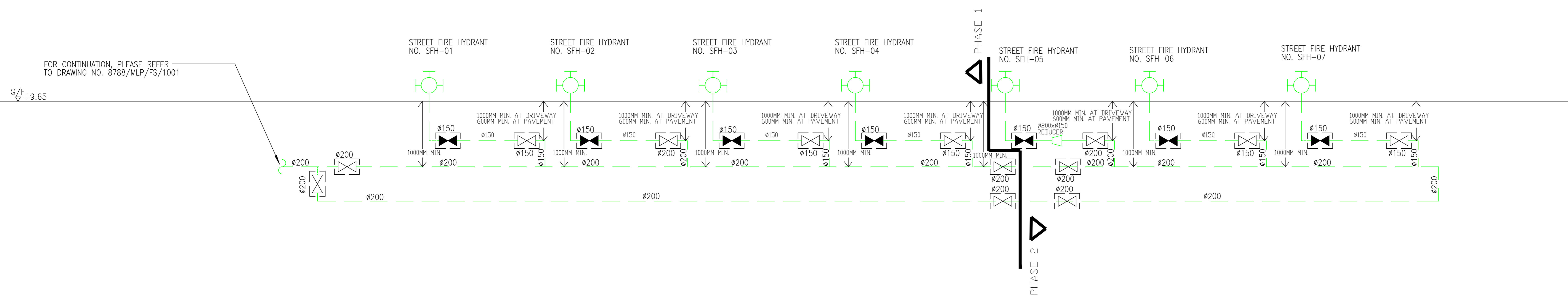
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2	9/21	WSD	RE-SUBMISSION
1	7/21	WSD	RE-SUBMISSION
0	5/21	WSD	SUBMISSION
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CLIENT:			
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JRP 漫信			
MIC SUPPLIER			
ALUHOUSE 鋁遊家			
PROJECT:			
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN			
TITLE:			
FIRE SERVICES - FS WATER SUPPLY SCHEMATIC DIAGRAM			
DATE:	4/2022	SCALE:	N.T.S. (A1)
DRAWN:	(BY)	CHECKED:	(BY)
DESIGNED:	(BY)	REVIEWED:	(BY)
JOB NO.	DRAWING NO.	REV. NO.	
	8788/MLP/FS/1001	3	



DETAIL B: DETAIL DRAWING OF STREET FIRE HYDRANT



STREET FIRE HYDRANT SYSTEM CHECK METER POSITION DETAIL  
SCALE: 1:50



B.D. REFERENCE NUMBER:			
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2	9/21	WSD	RE-SUBMISSION
1	7/21	WSD	RE-SUBMISSION
0	5/21	WSD	SUBMISSION
NO.	DATE	REVISIONS	
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CLIENT:			
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PROJECT ARCHITECT / AUTHORIZED PERSON:			
PROJECT STRUCTURAL / M&E / GEOTECHNICAL, M&E AND CIVIL ENGINEER:			
QUANTITY SURVEYOR:			
PLANNING CONSULTANT:			
LANDSCAPE CONSULTANT:			
Otherland Landscape   Planning   Urban Design			
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張耀新建築工程師有限公司 Wilson & Associates Ltd			
DESIGN & BUILD M&E ENGINEER CONSULTANT:			
JRP 漫信			
MIC SUPPLIER:			
ALUHOUSE 鋁遊家			
PROJECT:			
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN			
TITLE:			
FIRE SERVICES - STREET FIRE HYDRANT SYSTEM SCHEMATIC DIAGRAM			
DATE:	4/2022	SCALE:	N.T.S. (A1)
DRAWN:	(AY)	CHECKED:	(BT)
DESIGNED:	(AY)	REVIEWED:	(BT)
JOB NO.	DRAWING NO.	REV. NO.	
	8788/MLP/FS/1002	3	

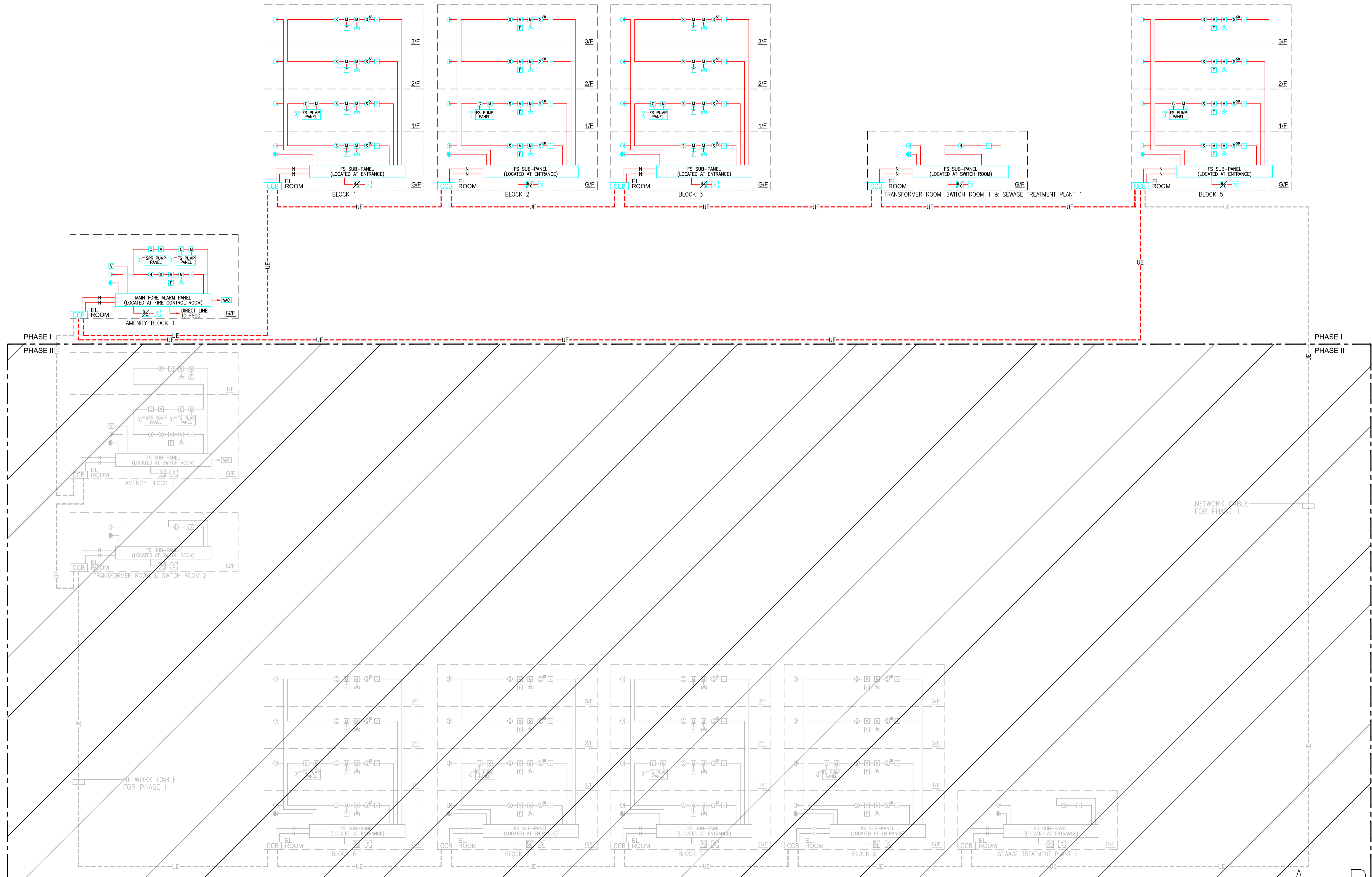
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LEGEND:

- |                    |                                      |        |                        |           |                   |
|--------------------|--------------------------------------|--------|------------------------|-----------|-------------------|
| (H)                | HEAT DETECTOR                        | (C)    | CONTROL MODULE         | (VAC)     | VAC CONTROL UNIT  |
| (S)                | SMOKE DETECTOR                       | (M)    | MONITORING MODULE      | (B&C)     | BATTERY & CHARGER |
| (S <sup>SB</sup> ) | SMOKE DETECTOR C/W SOUNDER BASE      | (SV)   | SUBSIDIARY VALVE       | (FSU)     | FUSED SPUR UNIT   |
| (B)                | BREAK GLASS UNIT (MANUAL CALL POINT) | (F)    | SPR FLOW SWITCH        | (CCB)     | CABLE CHANGE BOX  |
| (A)                | FIRE ALARM BELL                      | (LS)   | LEVEL SWITCH           | (---UE--- | U/G NETWORK CABLE |
| (MA)               | MASTER FIRE ALARM BELL               | (VFAU) | VISUAL FIRE ALARM UNIT |           |                   |

REMARK:

1. ALL FIRE DETECTOR, CONTROL/MONITORING MODULE ARE C/W BUILT-IN FAULT ISOLATOR.



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AUTHORIZED PERSON:  
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ARCHITECTS & PLANNERS  
TEL: 2434-0000 Fax: 2434-0001  
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CTA Consultants Limited

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AECOM

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UNISTRUST BUILDING CONSTRUCTION LTD.

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Spence Robinson Limited

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WONG CHENG  
CONSULTING ENGINEERS LIMITED  
黃錦輝工程顧問有限公司

DESIGN & BUILD M/E CONSULTANT:

張耀新建築工程師有限公司  
Wilson & Associates Ltd

DESIGN & BUILD  
M/E ENGINEER CONSULTANT:

JRP  
濃信

BUILDING SERVICES SUB-CONTRACTOR:

AE  
Alliance Contracting Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:

Lee Yu Kee  
Fire Protection Ltd.

PROJECT:

TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

TITLE:

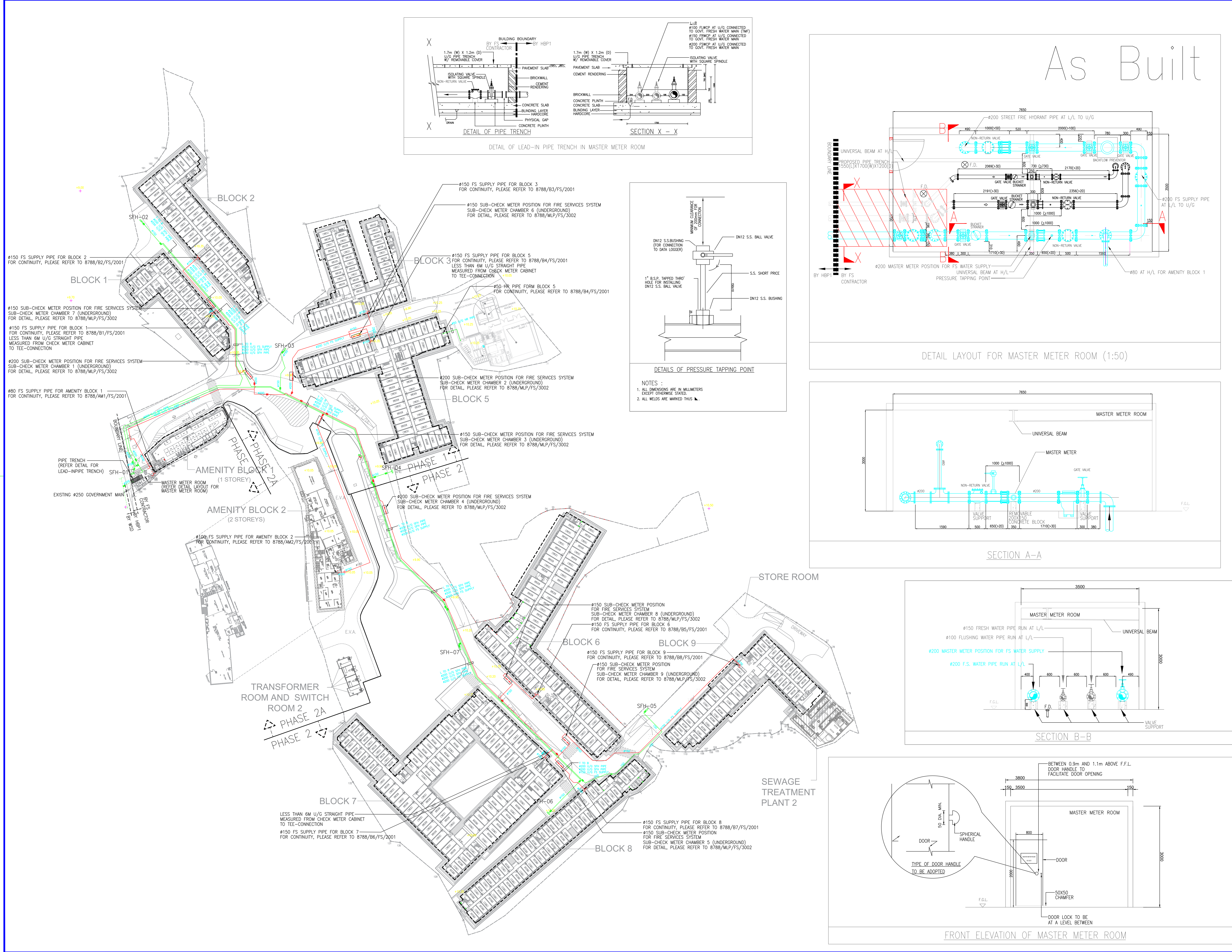
FIRE SERVICES -  
AUTOMATIC & MANUAL  
FIRE ALARM SYSTEM  
SCHEMATIC DIA.

DATE: 04/2021 SCALE: N.T.S.

DRAWN	CHECKED	DESIGNED	REVIEWED

JOB NO. 32560 DRAWING NO. KH/FS/F0-13 REV. NO. -

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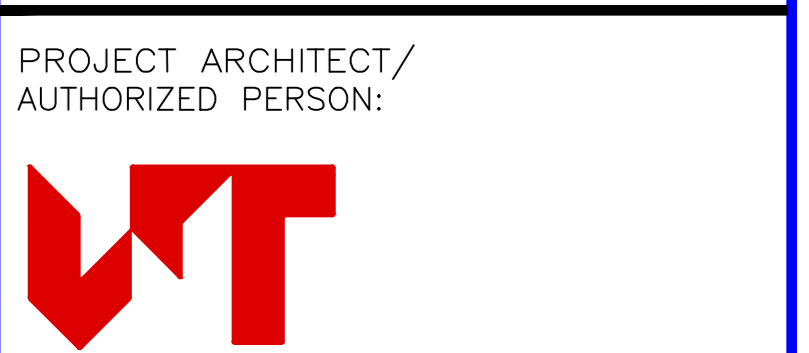
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B.D. REFERENCE NUMBER:

NO.	DATE	REVISIONS
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20	4/22	WSD RE-SUBMISSION



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 黃鄭顧問工程師有限公司

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 張耀新建築工程師有限公司  
 Wilson & Associates Ltd

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 JRP  
 濃信

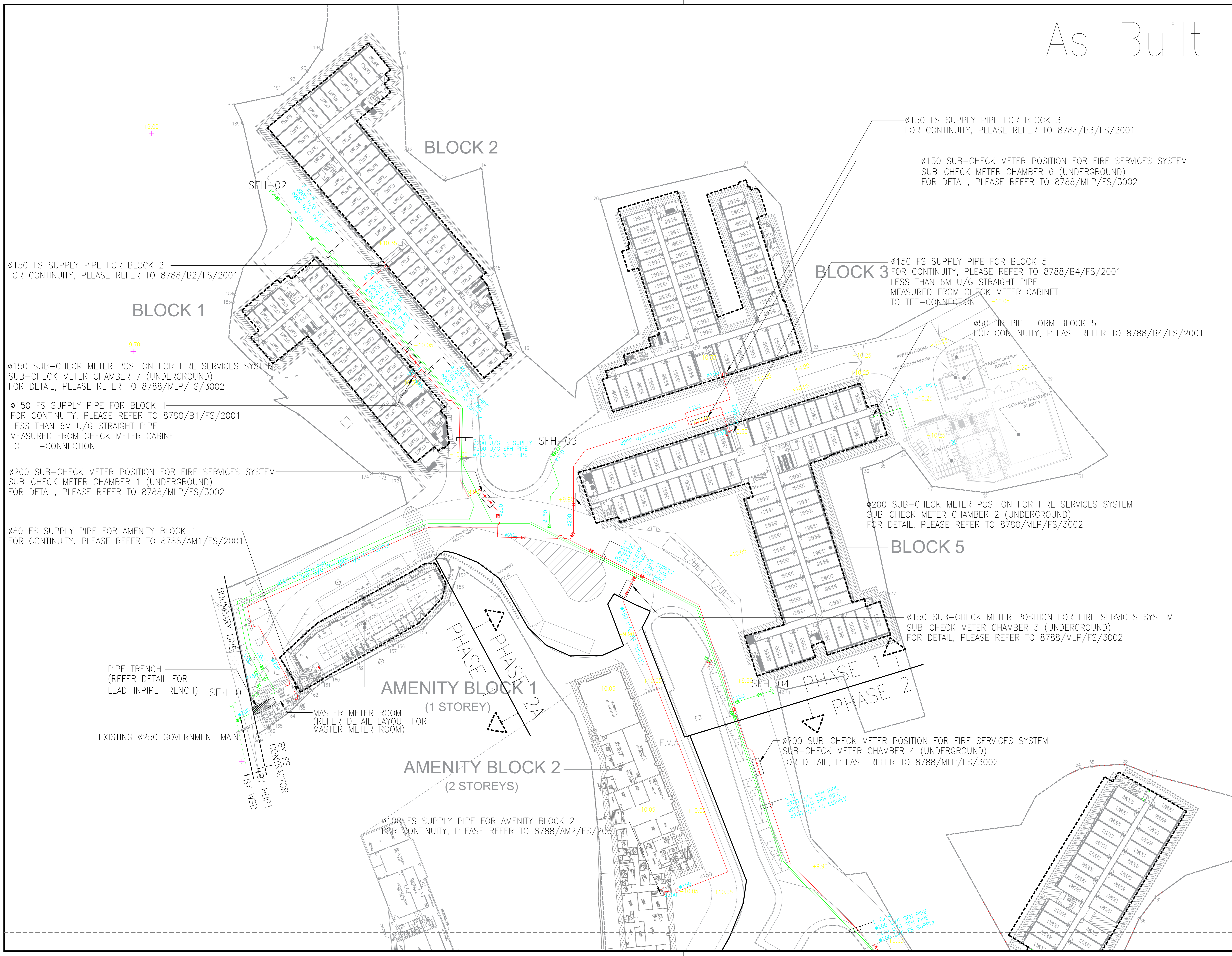
MIC SUPPLIER:  
 ALUHOUSE  
 鋁遊家

PROJECT:  
 TRANSITIONAL HOUSING  
 DEVELOPMENT AT KONG  
 HA WAI, KAM TIN

TITLE:  
 FIRE SERVICES -  
 MASTER LAYOUT FOR FS  
 WATER SUPPLY

DATE:	4/2022	SCALE:	1:800 (A1)
DRAWN:	(BY)	CHECKED:	(BY)
DESIGNED:	(BY)	REVIEWED:	(BY)
JOB NO.:	8788/MLP/FS/2001	DRAWING NO.:	
REV. NO.:		REV. NO.:	3

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B.D. REFERENCE NUMBER:			
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2	9/21	WSD	RE-SUBMISSION
1	7/21	WSD	RE-SUBMISSION
0	5/21	WSD	SUBMISSION
NO.	DATE	REVISIONS	
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 德地產發展有限公司 HENDERSON LAND DEVELOPMENT COMPANY LIMITED			
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 張耀新建築工程師有限公司 Wilson & Associates Ltd			
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 JRP 漫信			
MIC SUPPLIER:			
 ALUHOUSE 鋁遊家			
PROJECT:			
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN			
TITLE:			
FIRE SERVICES - MASTER LAYOUT FOR FS WATER SUPPLY (PART PLAN 1)			
DATE:	4/2022	SCALE:	1:400 (A1)
DRAWN:	(BY)	CHECKED:	(BT)
DESIGNED:	(AY)	REVIEWED:	(BT)
JOB NO.	8788/MLP/FS/2002	DRAWING NO.	3


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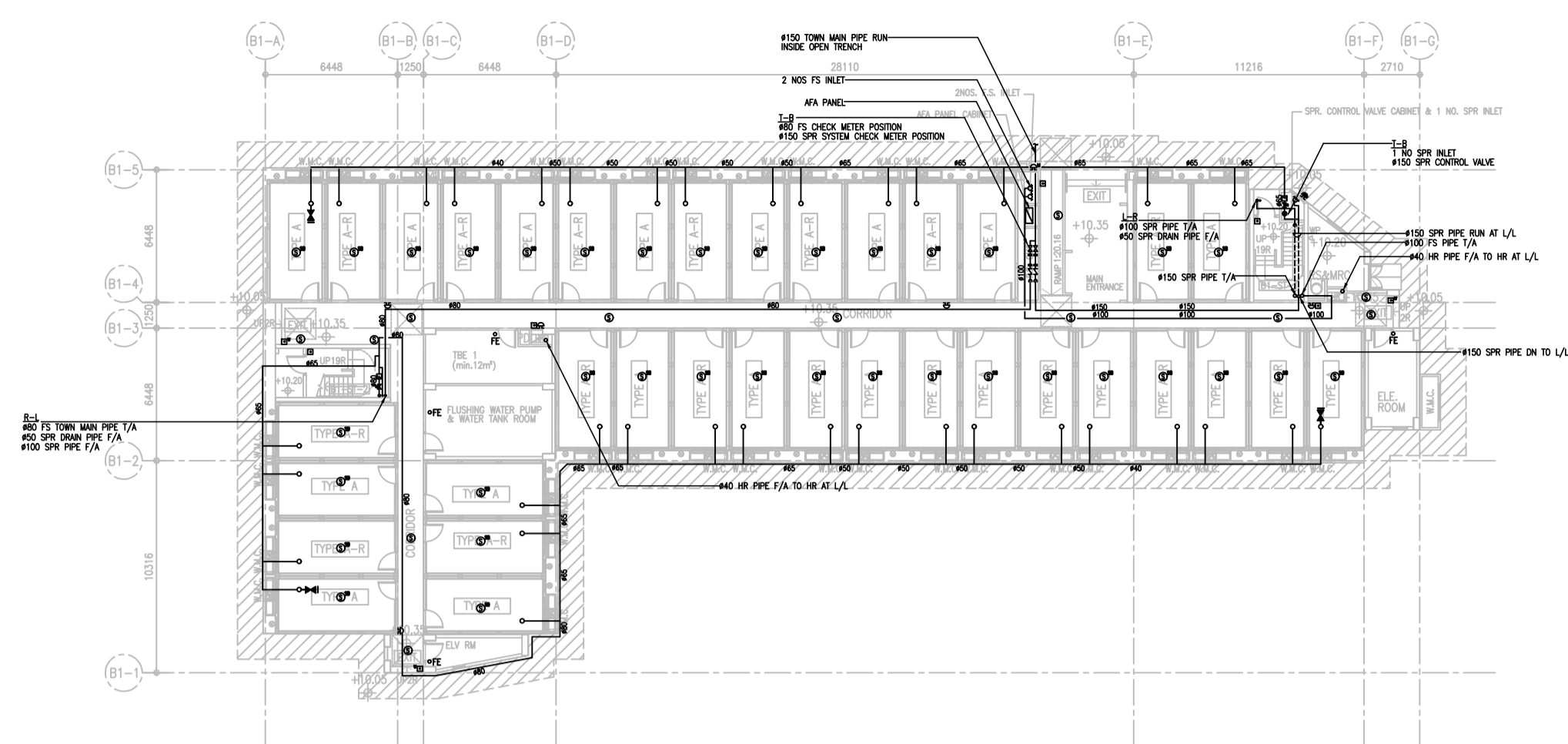
BUILDING SERVICES SUB-CONTRACTOR:  
 AIE Alliance Contracting Co. Ltd

FIRE SERVICES SUB-CONTRACTOR:  
 Lee Yu Kee  
 Fire Protection Ltd.

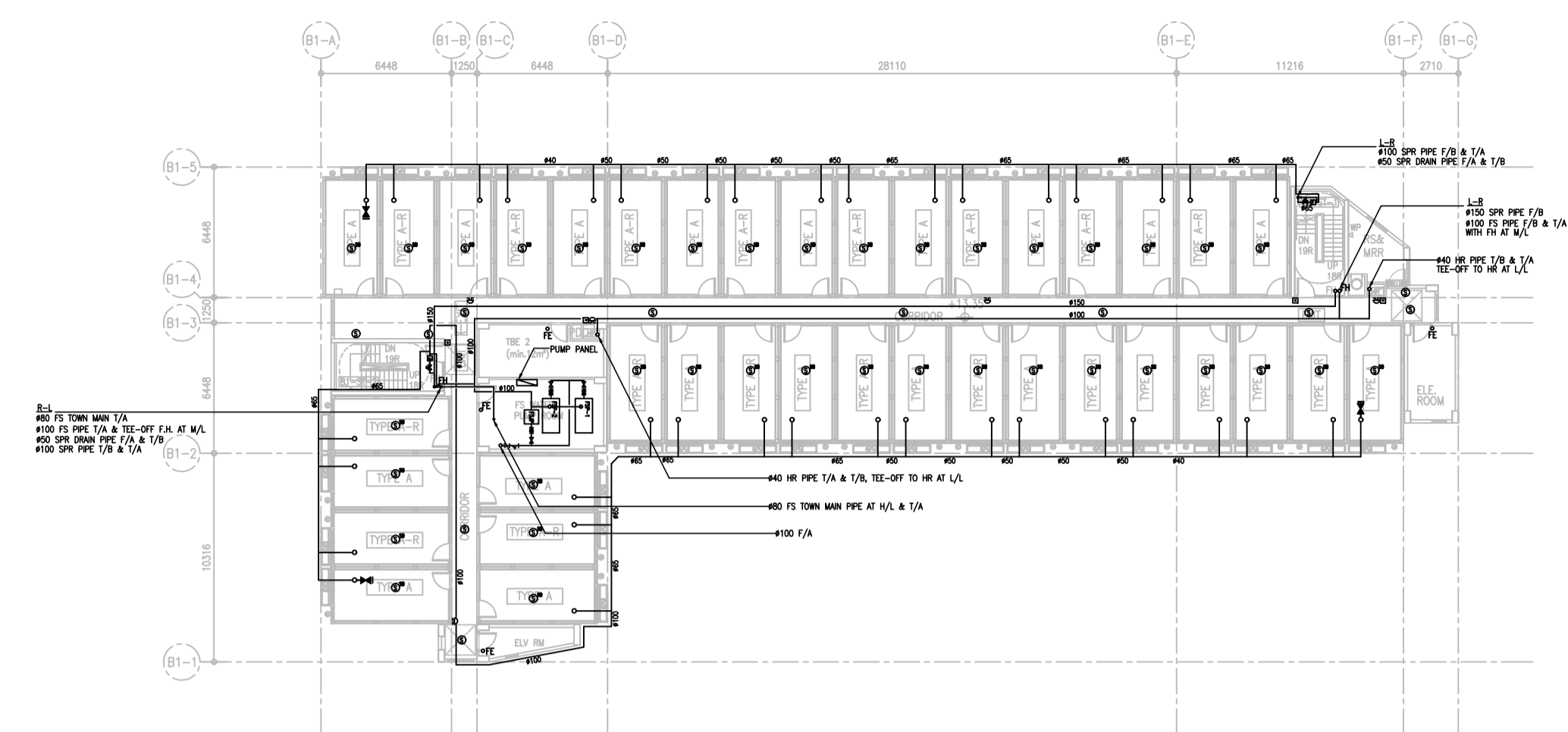
PROJECT:  
 TRANSITIONAL HOUSING  
 DEVELOPMENT AT KONG  
 HA WAI, KAM TIN

TITLE:  
 FIRE SERVICES LAYOUT  
 PLAN FOR BLOCK 1

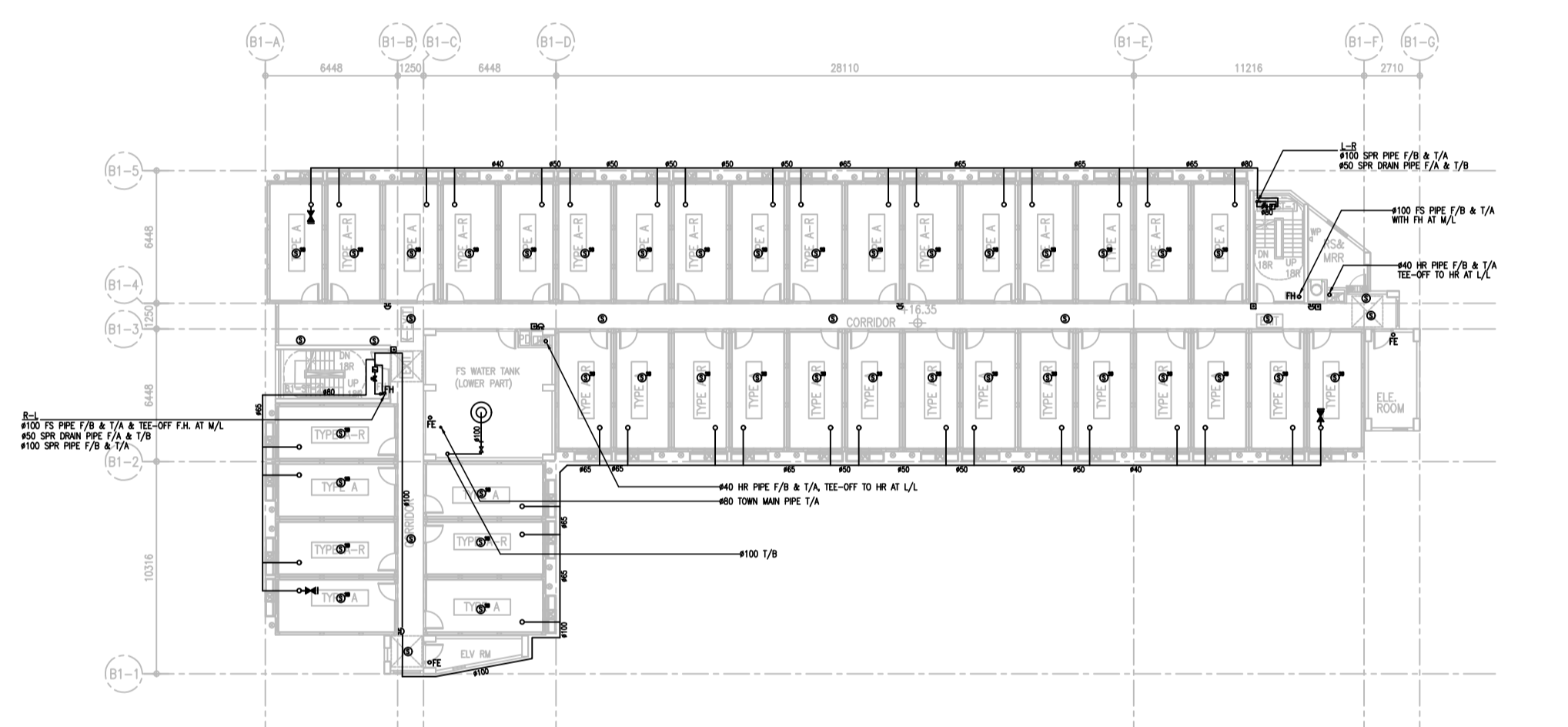
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DRAWN: [Signature]	CHECKED: [Signature]
DESIGNED: [Signature]	REVIEWED: [Signature]
JOB NO. 32560	DRAWING NO. KHW/FS/F1-02
REV. NO. -	-



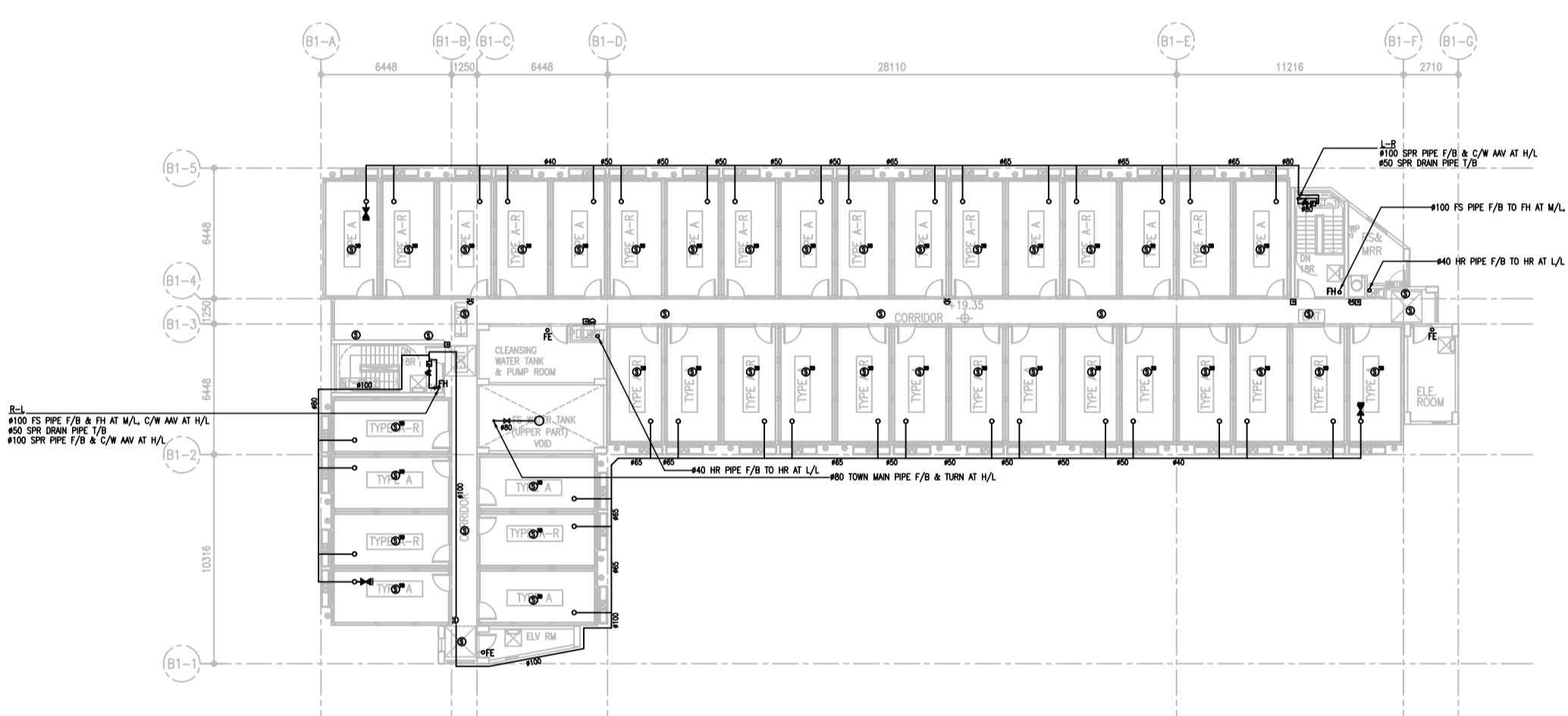
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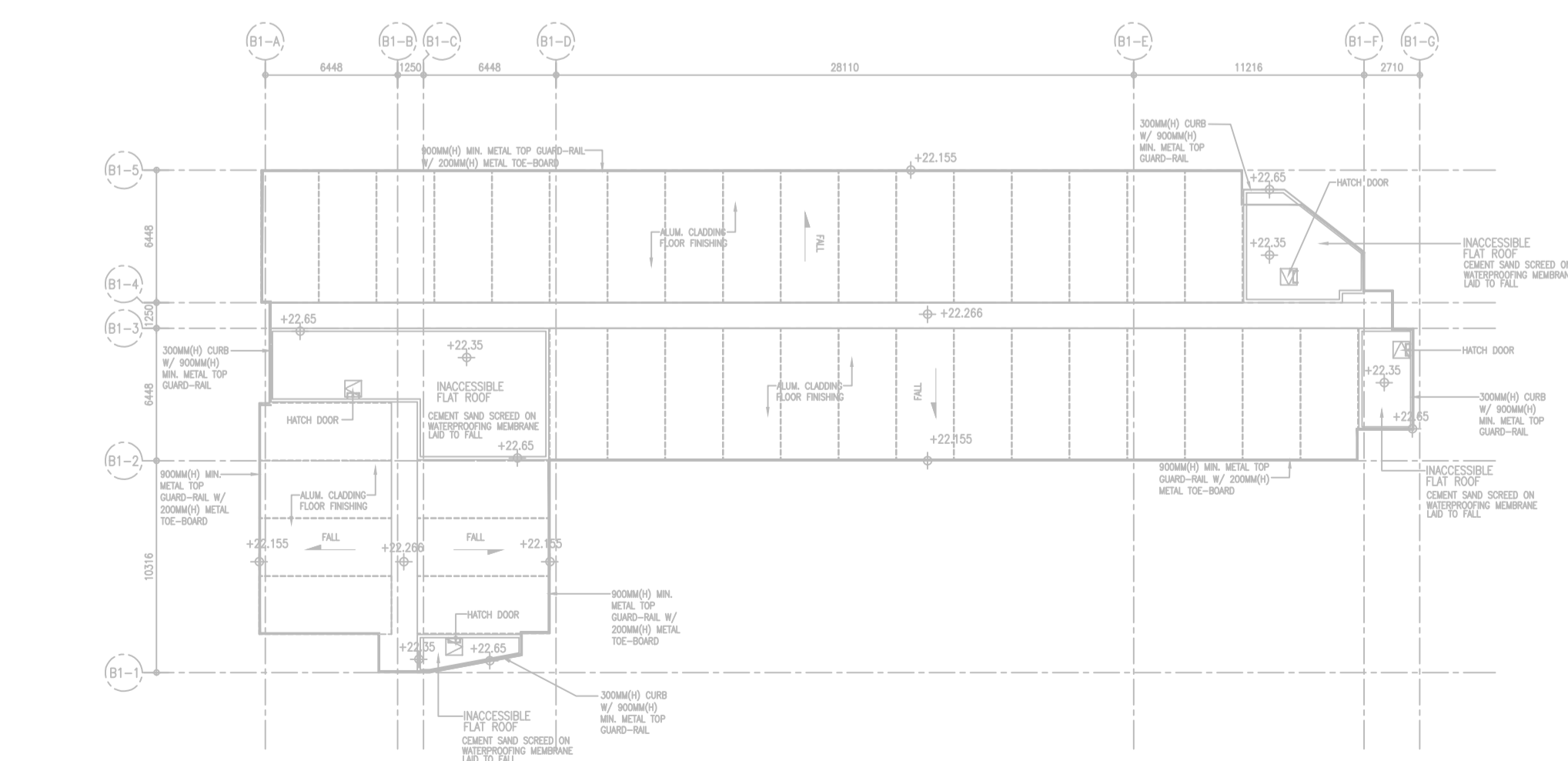
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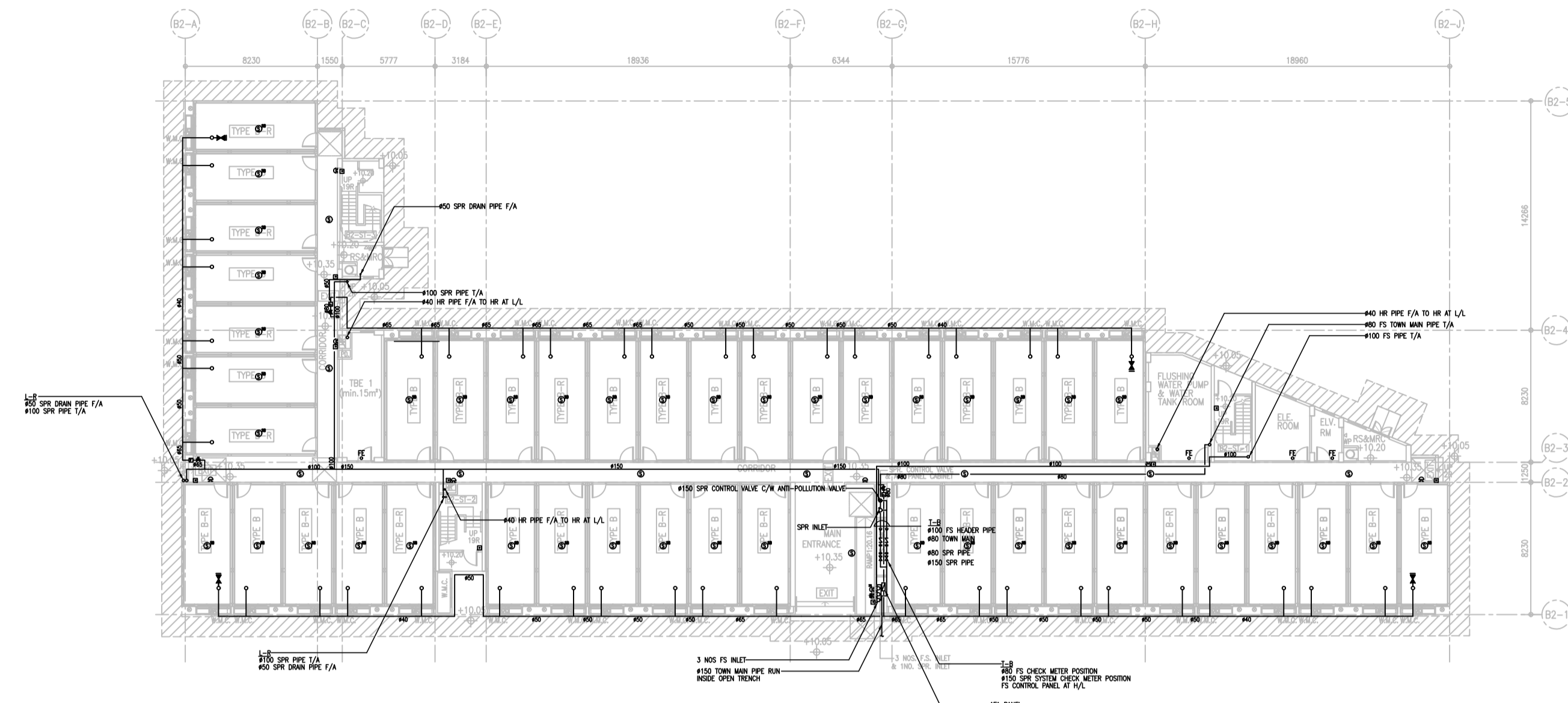


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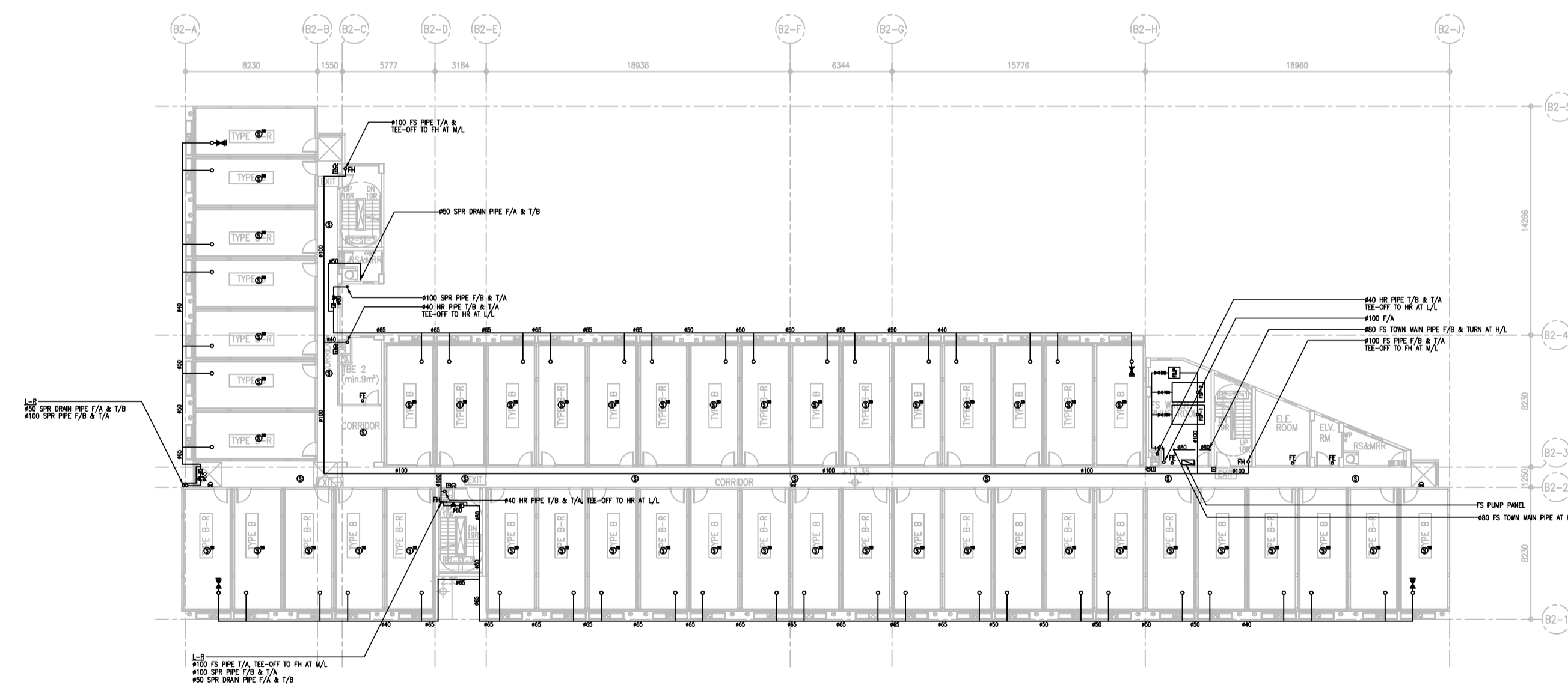


R/F PLAN (BLOCK 1)

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G/F PLAN (BLOCK 2)



1/F PLAN (BLOCK 2)

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DESIGN & BUILD CONTRACTOR:  
 聯力建築有限公司  
 UNISTRESS BUILDING CONSTRUCTION LTD.

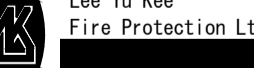
DESIGN & BUILD ARCHITECT:  
 馬斯(建築顧問)有限公司  
 Spence Robinson Limited

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 GEOTECHNICAL ENGINEERING CONSULTANT:  
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 CONSULTING ENGINEERS LIMITED  
 黃鄭耀興工程師有限公司

DESIGN & BUILD M/E CONSULTANT:  
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 Wilson & Associates Ltd

DESIGN & BUILD  
 M&E ENGINEER CONSULTANT:  
 JRP  
 達信

BUILDING SERVICES SUB-CONTRACTOR:  
 AIE Alliance Contracting Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:  
 LYK Lee Yu Kee  
 Fire Protection Ltd.

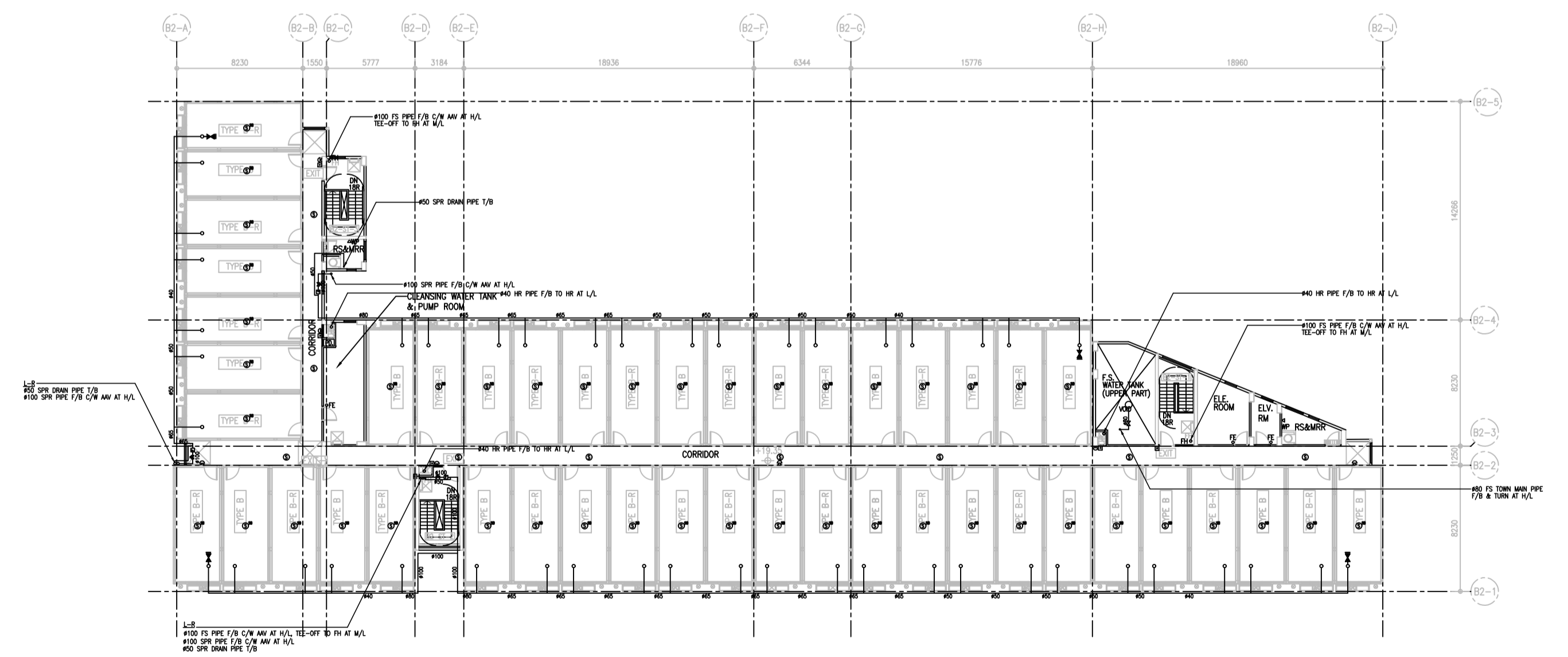
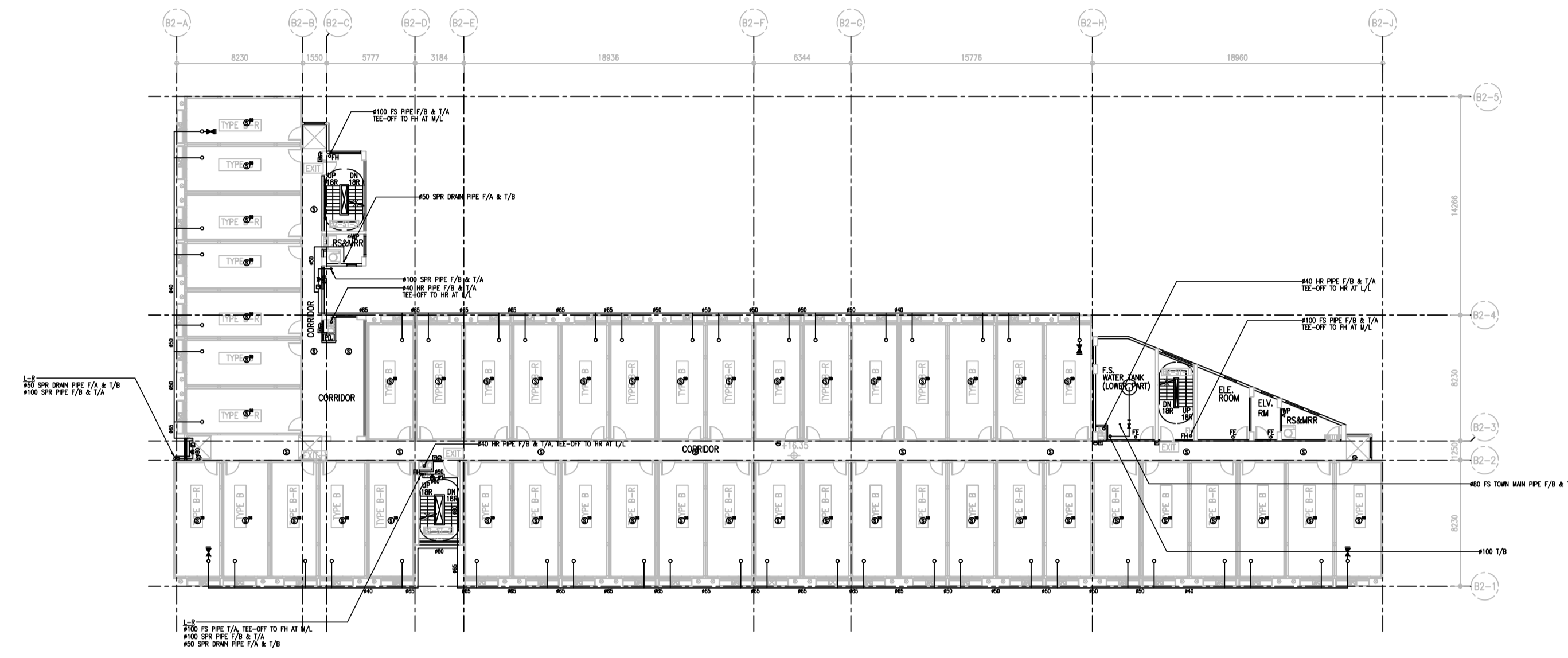
PROJECT:  
 TRANSITIONAL HOUSING  
 DEVELOPMENT AT KONG  
 HA WAI, KAM TIN

TITLE:  
 FIRE SERVICES LAYOUT  
 PLAN FOR BLOCK 2  
 (SHEET 1 OF 2)

DATE	BY	CHECKED	DESIGNED	REVIEWED	SCALE
04/2021					1:200

JOB NO.	DRAWING NO.	REV. NO.
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2/F PLAN (BLOCK 2)

3/F PLAN (BLOCK 2)

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PROJECT ARCHITECT/  
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**WONG TUNG & PARTNERS LIMITED**  
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DESIGN & BUILD  
 M&E ENGINEER CONSULTANT:  
**JRP**  
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BUILDING SERVICES SUB-CONTRACTOR:  
**AIE**  
 Alliance Contracting Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:  
**LYK**  
 Lee Yu Kee  
 Fire Protection Ltd.

PROJECT:  
 TRANSITIONAL HOUSING  
 DEVELOPMENT AT KONG  
 HA WAI, KAM TIN

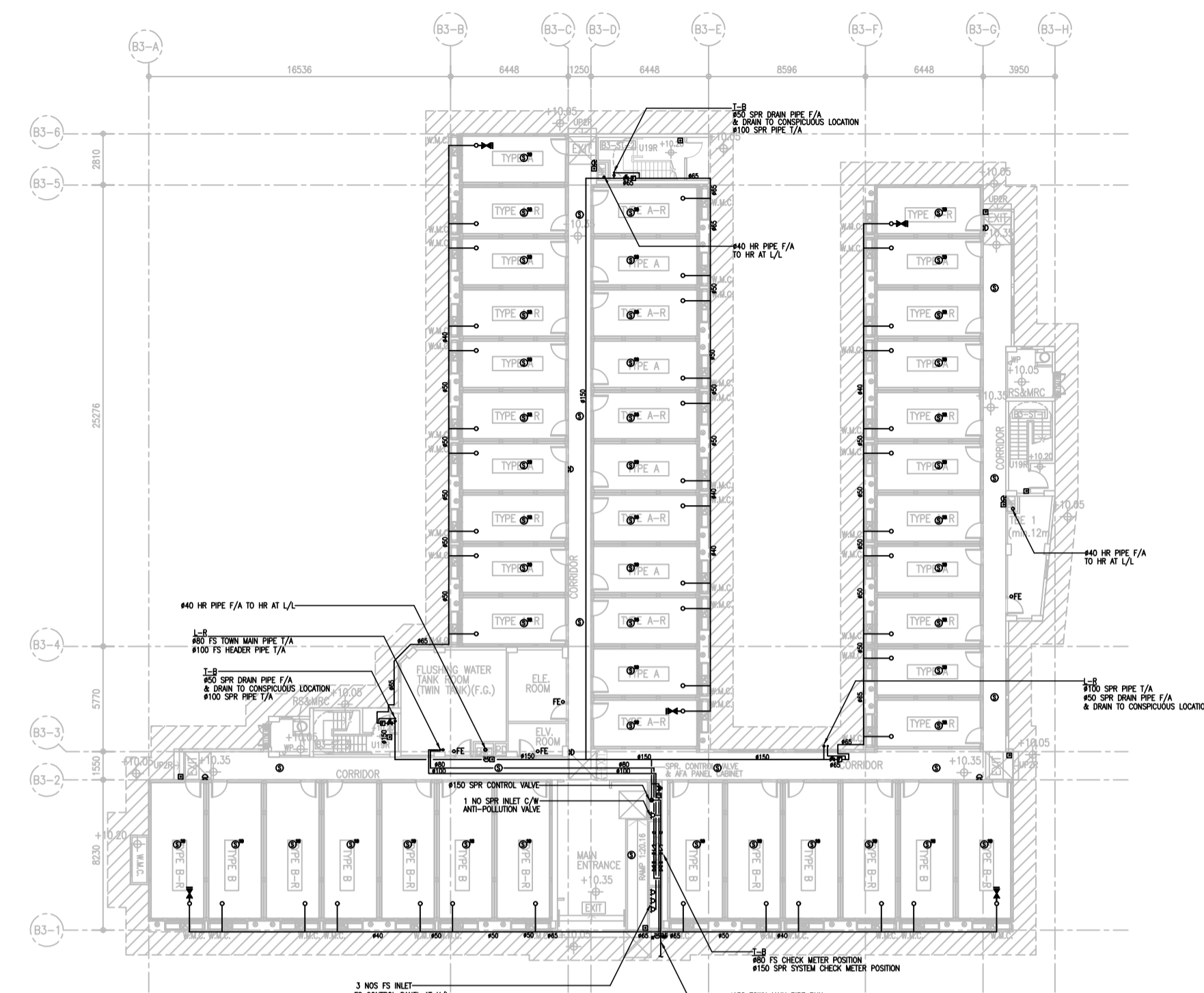
TITLE:  
 FIRE SERVICES LAYOUT  
 PLAN FOR BLOCK 2  
 (SHEET 2 OF 2)

DATE	BY	CHECKED	DESIGNED	REVIEWED
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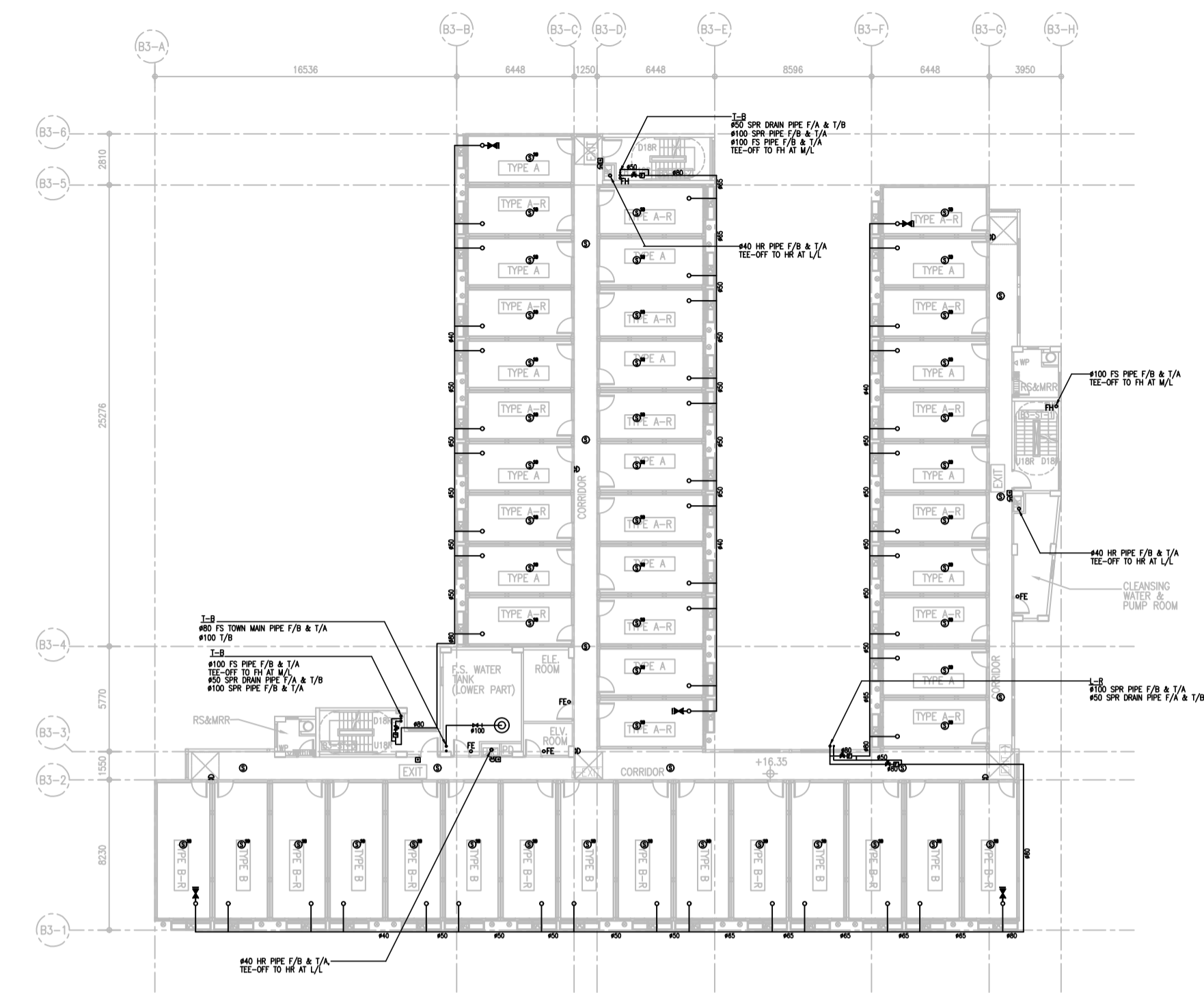
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JOB NO.	DRAWING NO.	REV. NO.
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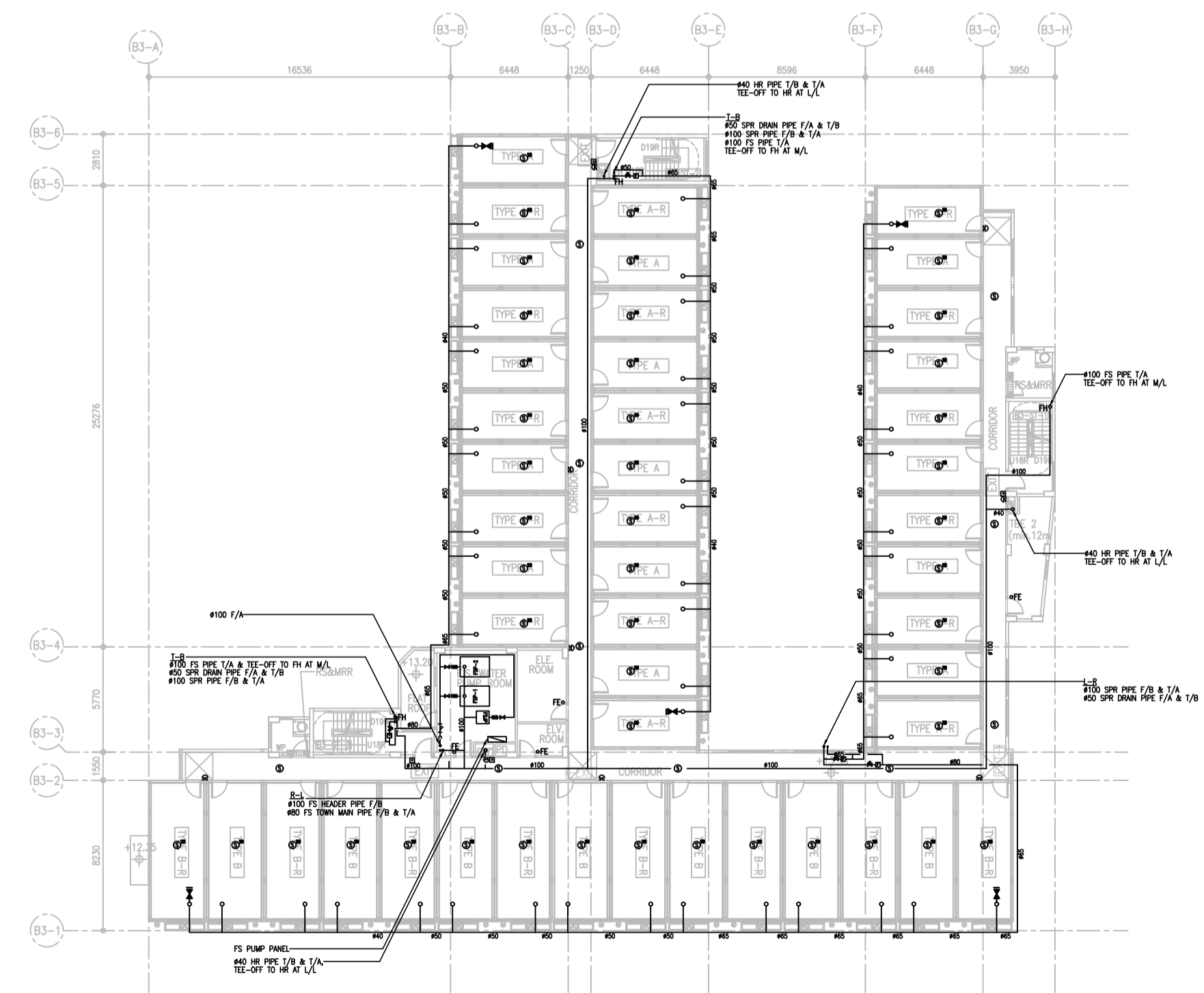
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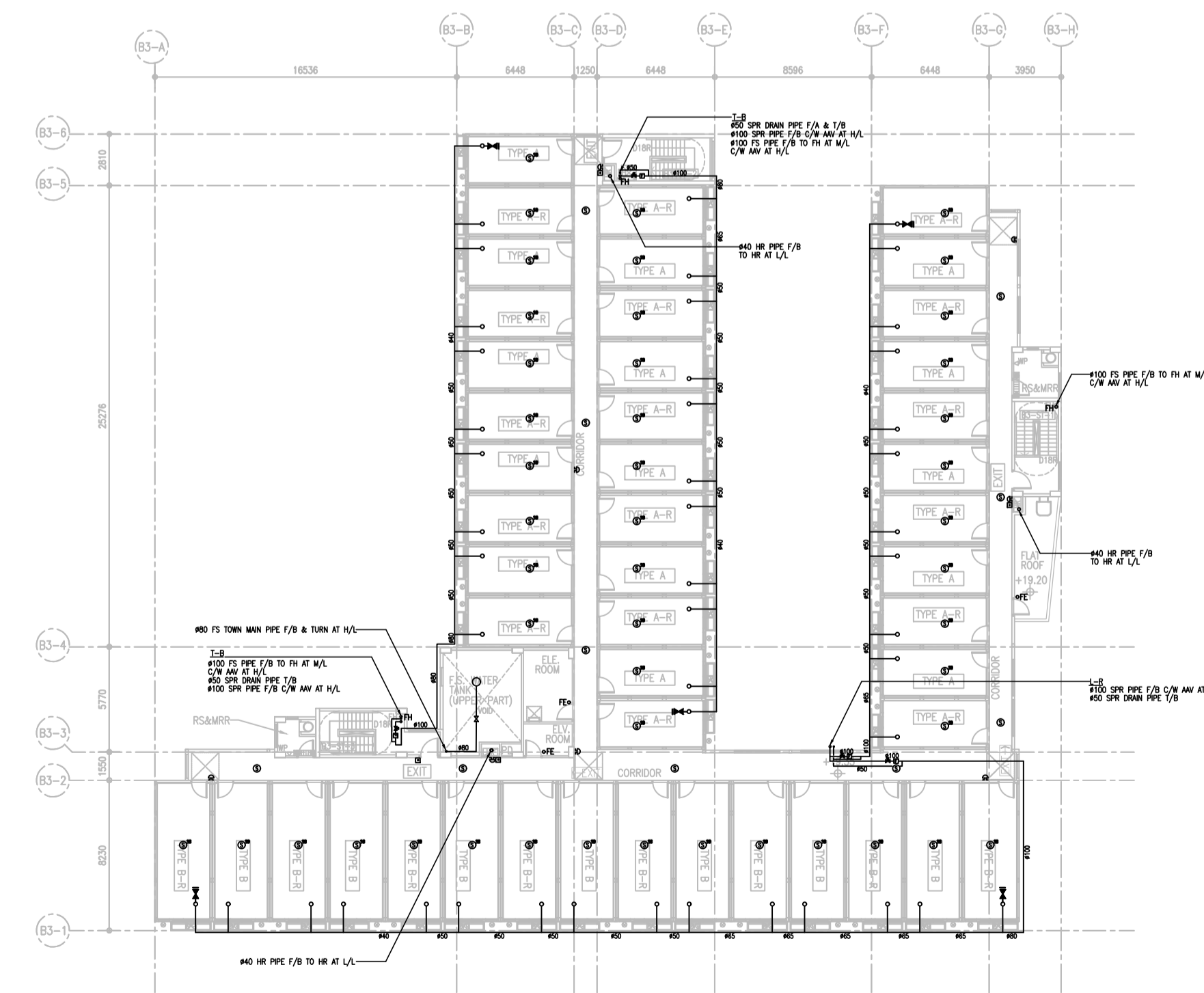
G/F PLAN (BLOCK 3)



2/F PLAN (BLOCK 3)



1/F PLAN (BLOCK 3)



3/F PLAN (BLOCK 3)

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PIPE SIZE	COLOR
20mm	ORANGE
25mm	GREEN
32mm	RED
40mm	PURPLE
50mm	YELLOW
65mm	LIGHT BLUE
80mm	DARK GREEN
100mm	LIGHT BROWN
150mm	BROWN
200mm	DARK BLUE

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 黃錦輝工程師有限公司

DESIGN & BUILD M/E CONSULTANT:  
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 Wilson & Associates Ltd

DESIGN & BUILD M/E ENGINEER CONSULTANT:  
 JRP  
 達信

BUILDING SERVICES SUB-CONTRACTOR:  
 Alliance Contracting Co. Ltd.

FIRE SERVICES SUB-CONTRACTOR:  
 Lee Yu Kee  
 Fire Protection Ltd.

PROJECT:  
 TRANSITIONAL HOUSING  
 DEVELOPMENT AT KONG  
 HA WAI, KAM TIN

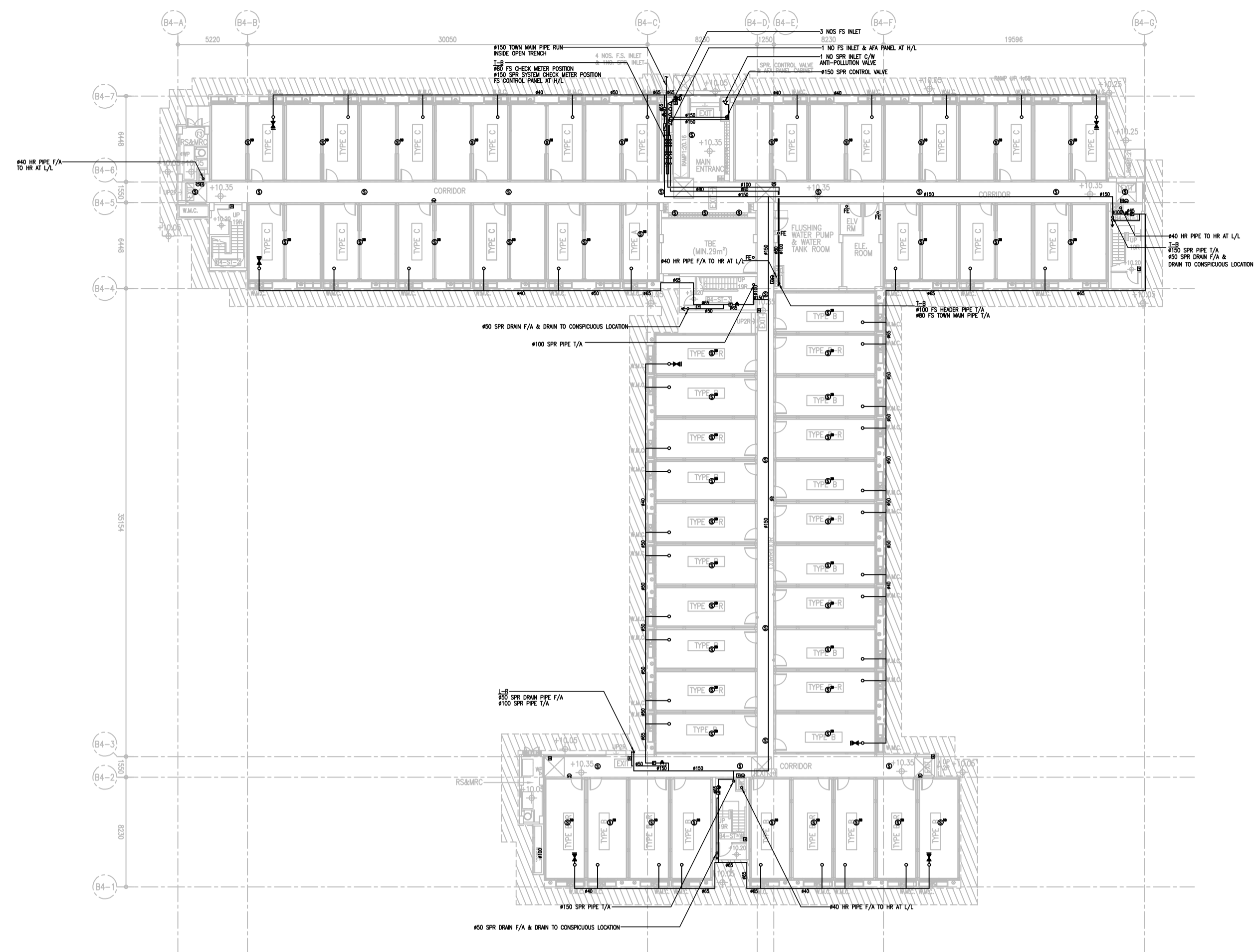
TITLE:  
 FIRE SERVICES LAYOUT  
 PLAN FOR BLOCK 3

DATE	SCALE
04/2021	1:200

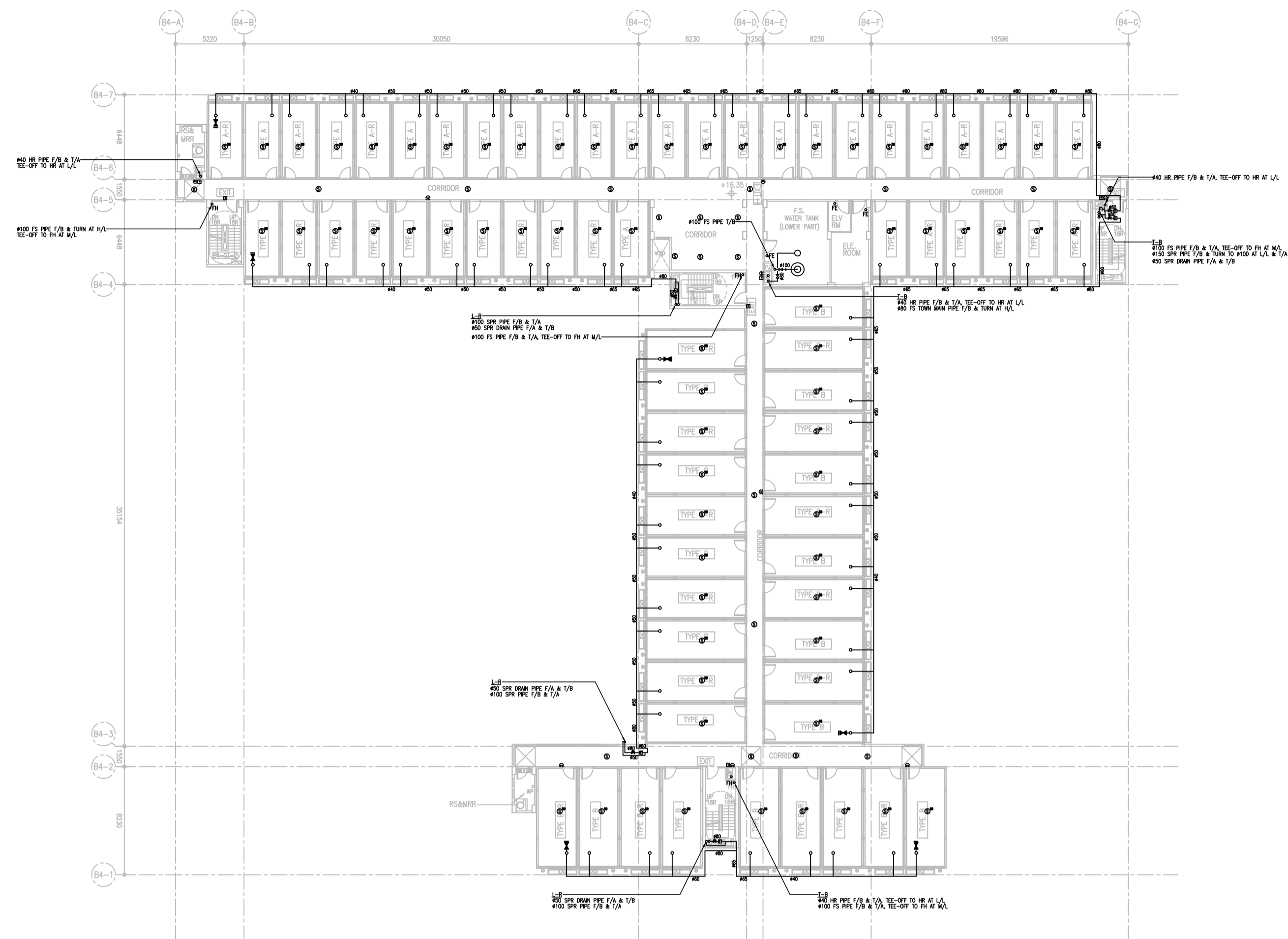
DRAWN	CHECKED	DESIGNED	REVIEWED

JOB NO.	DRAWING NO.	REV. NO.
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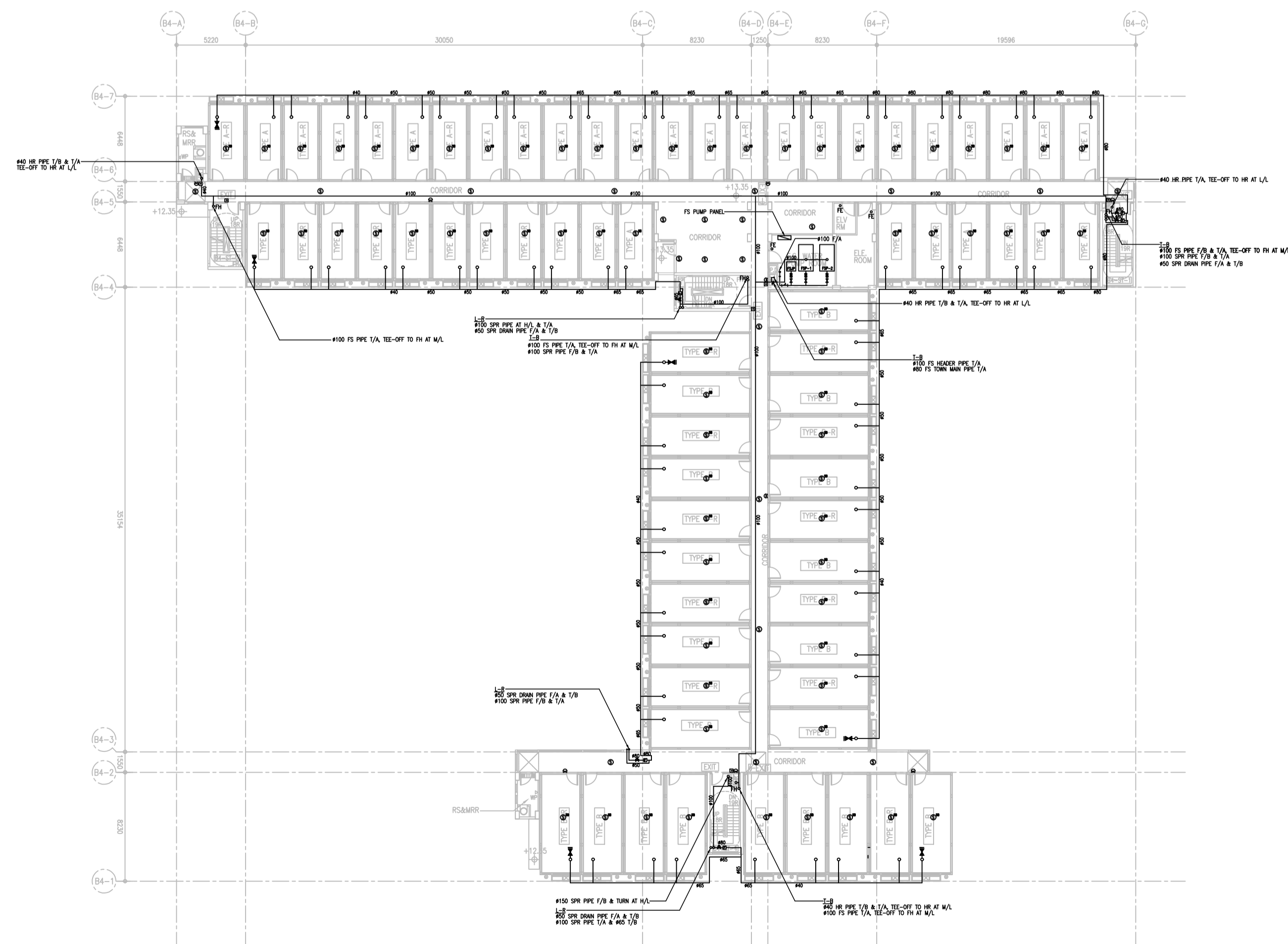
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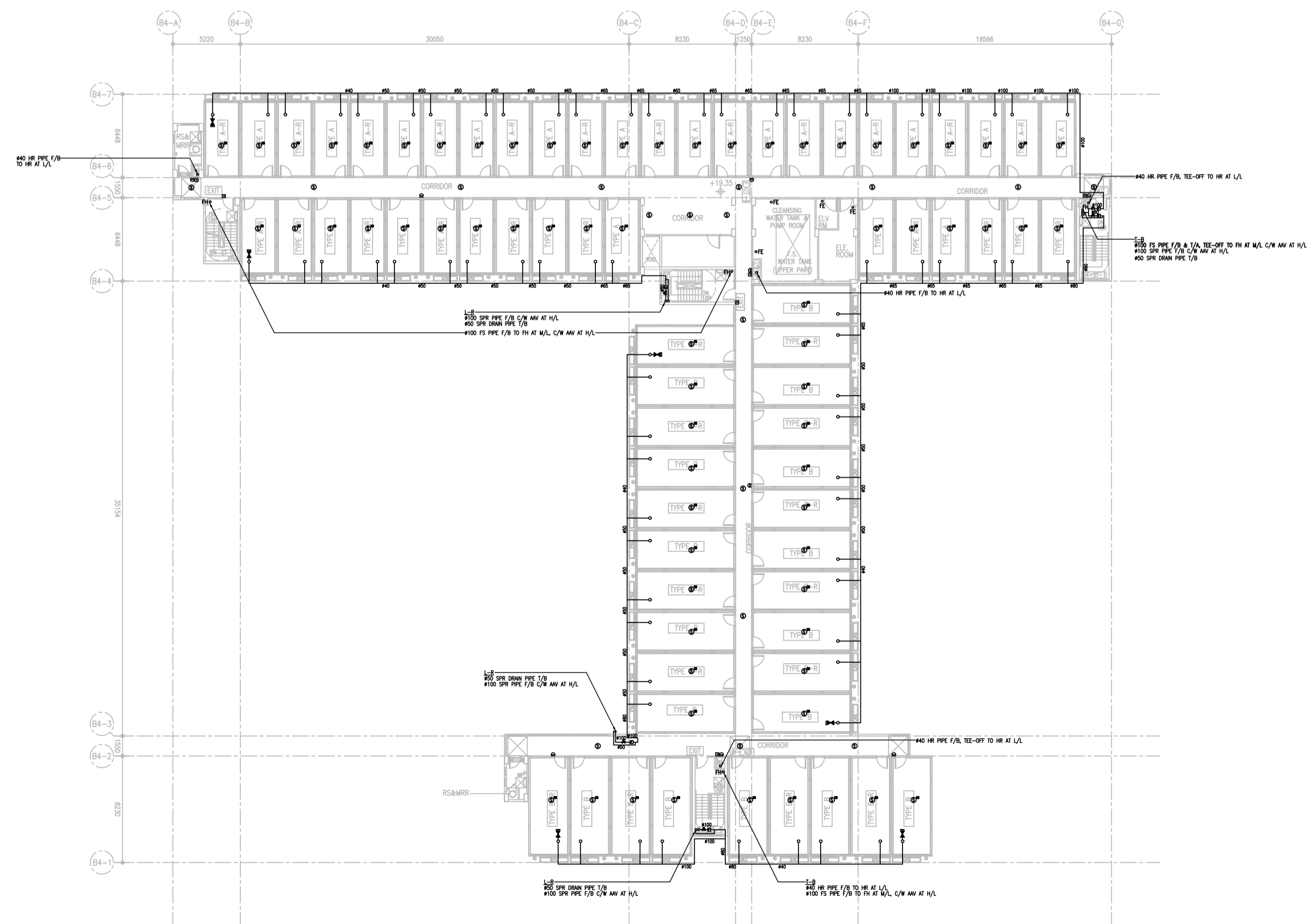
G/F PLAN (BLOCK 5)



2/F PLAN (BLOCK 5)



1/F PLAN (BLOCK 5)



3/F PLAN (BLOCK 5)

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 M&E ENGINEER CONSULTANT:  
 JRP 達信

BUILDING SERVICES SUB-CONTRACTOR:  
 Alliance Contracting Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:  
 Lee Yu Kee Fire Protection Ltd.

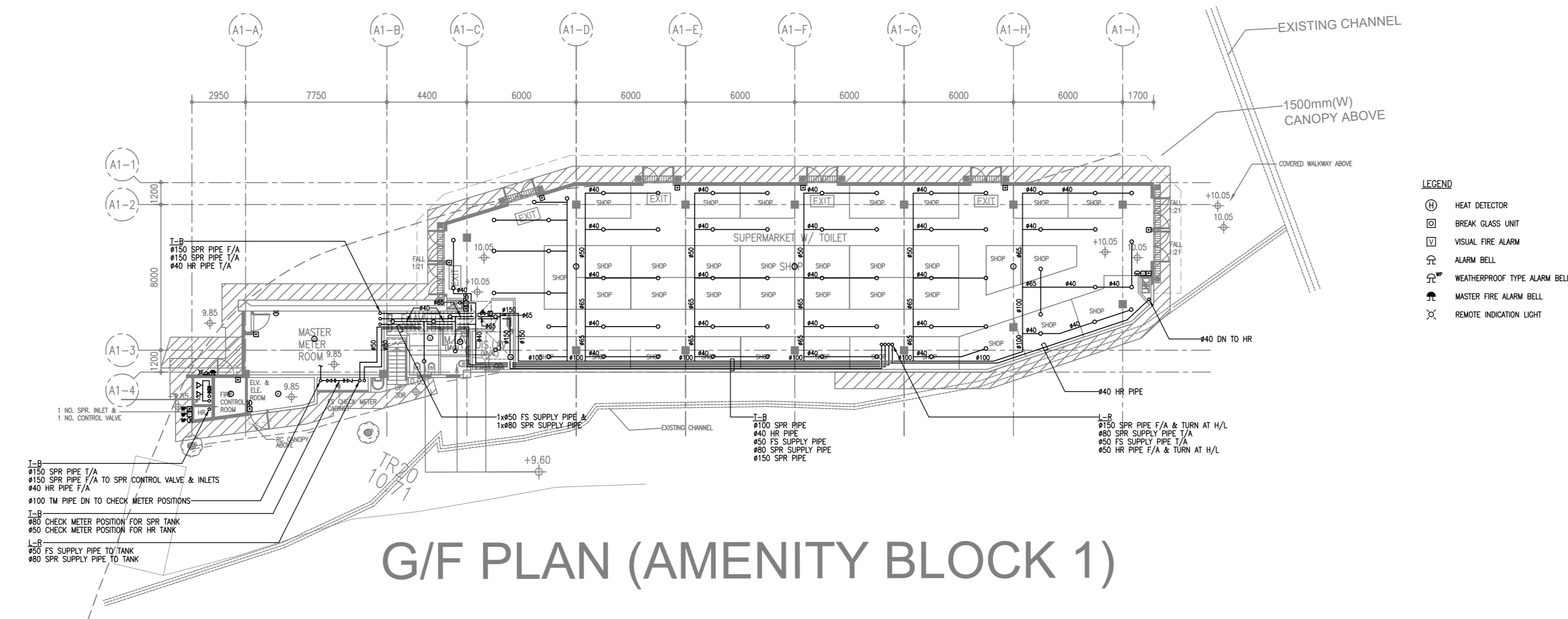
PROJECT:  
 TRANSITIONAL HOUSING  
 DEVELOPMENT AT KONG  
 HA WAI, KAM TIN

TITLE:  
 FIRE SERVICES LAYOUT  
 PLAN FOR BLOCK 5

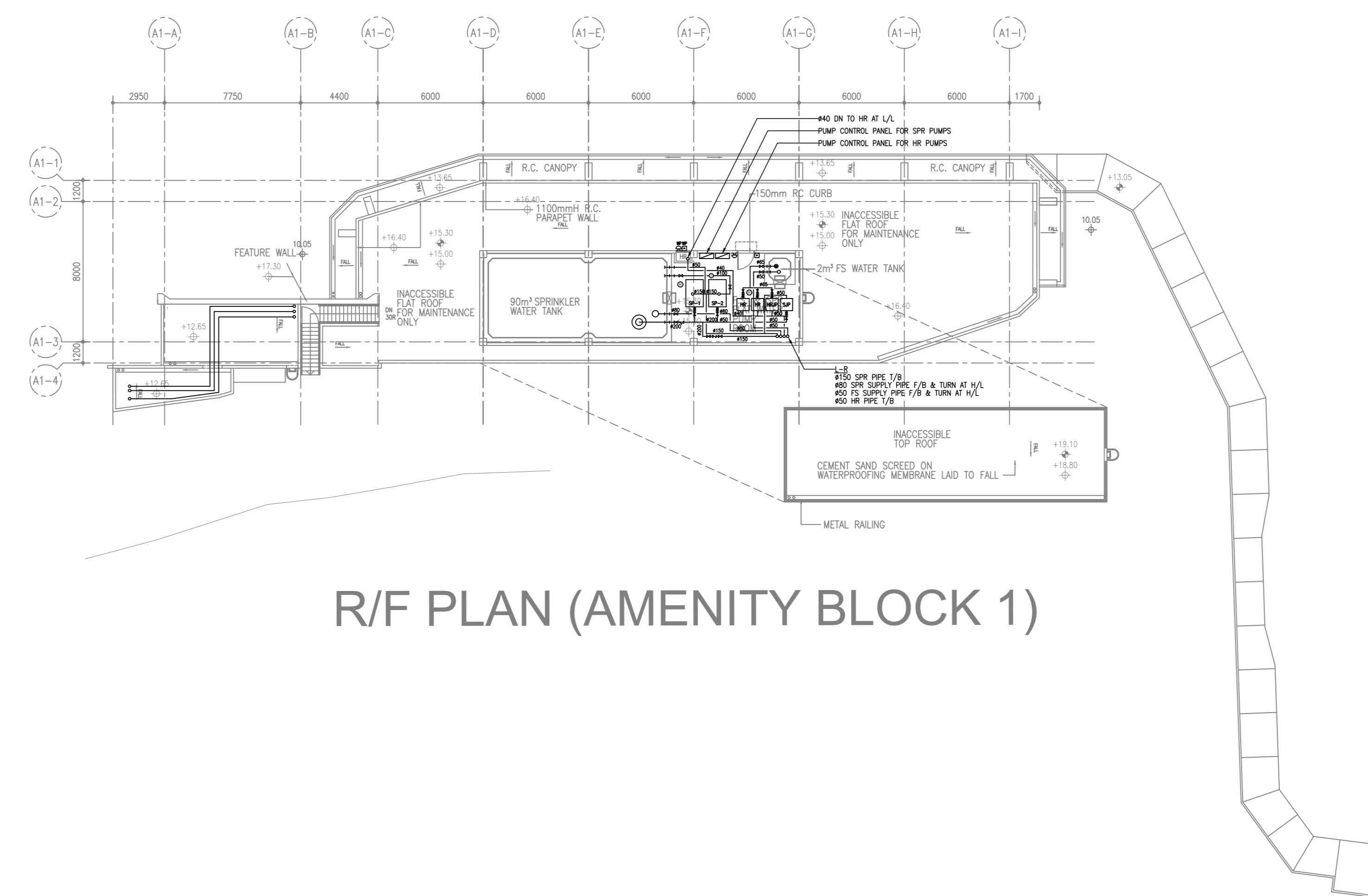
DATE: 04/2021 SCALE: 1:200

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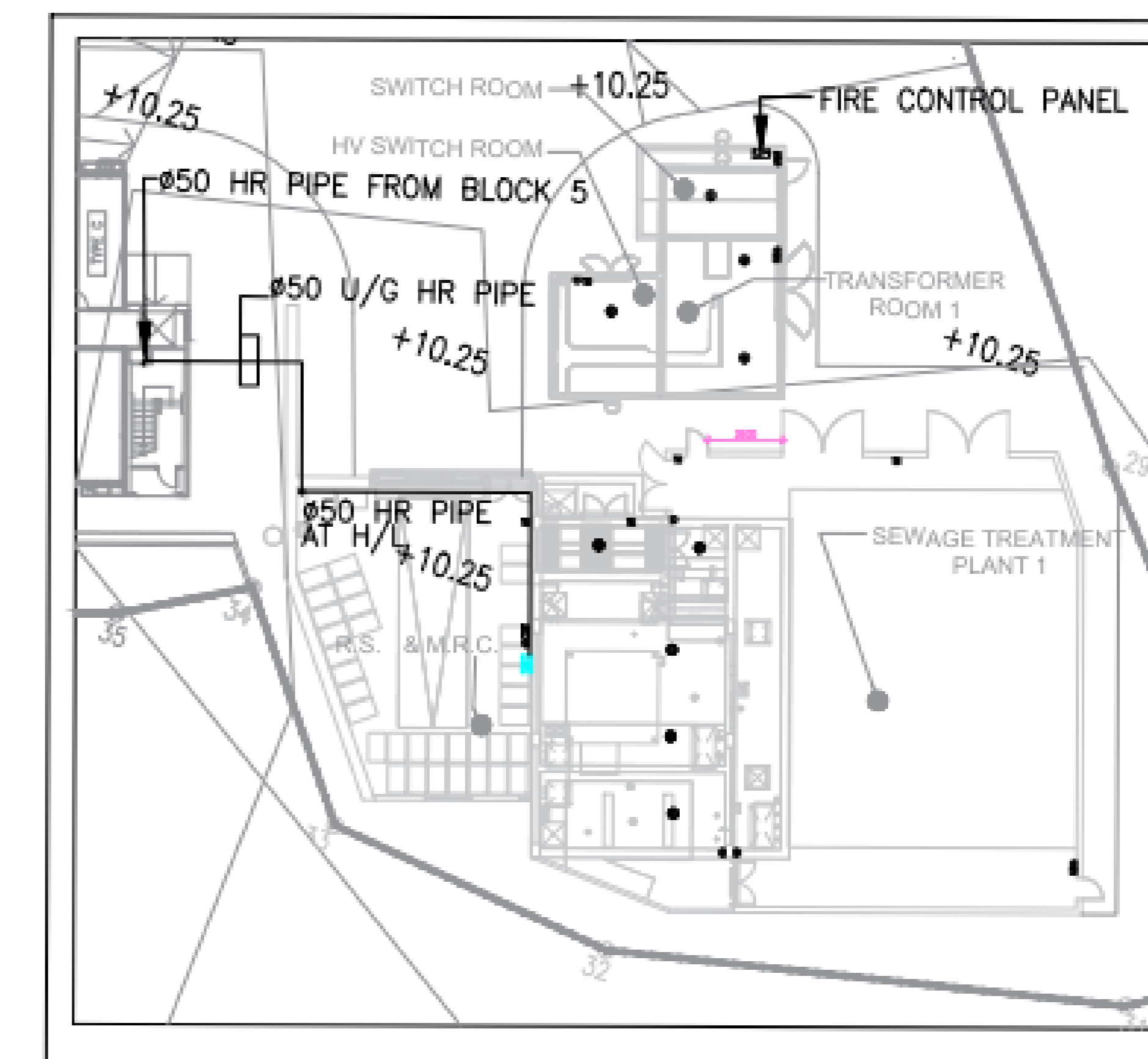
JOB NO. 32560 DRAWING NO. KHW/FS/F1-06 REV. NO. -



G/F PLAN (AMENITY BLOCK 1)



R/F PLAN (AMENITY BLOCK 1)



PART-PLAN OF TRANSFORMER RM & SWITCH RM 1 AND SEWAGE TREATMENT PLANT 1 (1:200)

B.D. REFERENCE NUMBER:

NOTES  
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NO.	DATE	REVISIONS

CLIENT:  
博愛醫院  
Pok Oi Hospital

CLIENT:  
恒基建設有限公司  
HENDERSON LAND DEVELOPMENT COMPANY LIMITED

PROJECT ARCHITECT / AUTHORIZED PERSON:  
WT

WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS  
18/F, 14 Tsimsho Water House, Tsimsho Street, Hong Kong  
T 852-2863 9888 F 852-2811 1728 www.wongtung.com

PROJECT STRUCTURAL / M&C / GEOTECHNICAL AND CIVIL ENGINEER:  
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DESIGN & BUILD M&E ENGINEER CONSULTANT:  
JRP  
廣信

BUILDING SERVICES SUB-CONTRACTOR:  
AIE  
Alliance Contracting Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:  
Lee Yu Kee  
Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

TITLE:  
FIRE SERVICES LAYOUT PLAN FOR AMENITY BLOCK 1 AND PART-PLAN OF TRANSFORMER RM & SWITCH RM 1 AND SEWAGE TREATMENT PLANT 1

DATE	DRAWN	CHECKED	DESIGNED	REVIEWED
04/2021				

DATE: 04/2021 SCALE: 1:200  
JOB NO. 32560 DRAWING NO. KHV/FS/F1-13 REV. NO. -

As Built



## ***Annex C***

***Latest Information on Occupancy Status***

***(As of 2026.03.31)***

**Latest Information On Occupancy Status (As of 2026.03.31)**

Unit Type 戶型	1-2 people unit 1-2人單位	3-4 people unit 3-4人單位	5-6 people unit 5-6人單位	Total 總計
Number of Units 單位供應數目	1124	824	50	1998
Total Number of Tenants 租戶總計	1108	739	44	1891
Occupancy Rate 入住率	99%	90%	88%	95%

## 10.2 FS As-fit Drawings

Item	Drawing No.	Rev	Description
1	8788/MLP/FS/P2/0001	1	FIRE SERVICES – LEGEND, ABBREVIATIONS AND NOTES (PHASE 2)
2	8788/FS/B06/001	1	FIRE SERVICES – FH/HR AND SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 6
3	8788/FS/B07/001	1	FIRE SERVICES – FH/HR AND SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 7
4	8788/FS/B08/001	1	FIRE SERVICES – FH/HR AND SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 8
5	8788/FS/B09/001	1	FIRE SERVICES – FH/HR AND SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 9
6	KHW/FS/P2/F0-013	1	FIRE SERVICES – AUTOMATIC & MANUAL FIRE ALARM SYSTEM SCHEMATIC DIAGRAM AT BLOCK 6, 7, 8, 9 & SEWAGE TREATMENT PLANT 2 ( PHASE 2 )
7	KHW/FS/F1-07	1	FIRE SERVICES – FIRE SERVICES LAYOUT PLAN FOR BLOCK 6 (SHEET 1 OF 2)
8	KHW/FS/F1-08	1	FIRE SERVICES – FIRE SERVICES LAYOUT PLAN FOR BLOCK 6 (SHEET 2 OF 2)
9	KHW/FS/F1-09	1	FIRE SERVICES – FIRE SERVICES LAYOUT PLAN FOR BLOCK 7 (SHEET 1 OF 2)
10	KHW/FS/F1-10	1	FIRE SERVICES – FIRE SERVICES LAYOUT PLAN FOR BLOCK 7 (SHEET 2 OF 2)
11	KHW/FS/F1-11	1	FIRE SERVICES – FIRE SERVICES LAYOUT PLAN FOR BLOCK 8
12	KHW/FS/F1-12	1	FIRE SERVICES – FIRE SERVICES LAYOUT PLAN FOR BLOCK 9 AND SEWAGE TREAMANT PLANT 2
13	8788/MLP/FS/001	1	FIRE SERVICES – FS WATER SUPPLY SCHEMATIC DIAGRAM (PHASE 2)
14	8788/MLP/FS/002	1	FIRE SERVICES – STREET FIRE HYDRANT SYSTEM SCHEMATIC DIAGRAM (PHASE 2)
15	8788/MLP/FS/2001	1	FIRE SERVICES – MASTER LAYUOT PLAN FOR FS WATER SUPPLY
16	8788/MLP/FS/2003	1	FIRE SERVICES – MASTER LAYUOT PLAN FOR FS WATER SUPPLY (PART PLAN 2)

LEGEND :

- SPRINKLER HEAD
- <sub>C</sub> SPRINKLER HEAD UNDER FALSE CEILING
- SPRINKLER CONTROL VALVE SET ASSEMBLY (AS SHOWN ON SCHEMATIC)
- FLOW SWITCH
- SPRINKLER HEAD (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
- ⊗ GATE VALVE
- ⊗ GATE VALVE (WITH VALVE PIT BY MAIN CONTRACTOR)
- ⊗ GATE VALVE (N.C.)
- ⊗ GATE VALVE WITH PADLOCK IN OPEN POSITION
- ⊗ GATE VALVE WITH HAND WHEEL REMOVED C/W BRASS PLUG CAP AT OUTLET
- ⊗ GATE VALVE WITH PADLOCK IN OPEN/CLOSE POSITION C/W INSTALLATION MONITORING FACILITY TO SPRINKLER CONTROL PANEL
- ⊗ GLOBE VALVE
- ⊗ GLOBE VALVE (N.C.)
- ⊗ ANTI-POLLUTION VALVE
- ⊗ GLOBE VALVE WITH HAND WHEEL REMOVED
- ⊗ BALL VALVE
- ⊗ DRAIN VALVE (LOCKED SHIELD TYPE GATE VALVE)
- ⊗ DRAIN VALVE (GATE VALVE)
- ⊗ PIPELINE DRAIN VALVE (BALL VALVE) WITH HOSE BIB C/W PLUG OFF
- ⊗ PRESSURE REDUCING VALVE
- ⊗ NON-RETURN VALVE
- ⊗ FIRE SERVICE INLET WITH A SEPARATE NON-RETURN VALVE BEHIND THE INLET (SHOWN ON SCHEMATIC PIPING DIAGRAM)
- HYDRANT OUTLET (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
- ⊗ BUTTERFLY VALVE WITH MONITORING FACILITY
- ⊗ PRESSURE RELIEF VALVE
- ⊗ GATE VALVE WITH PLUG (N.C.)
- ⊗ BACKFLOW PREVENTOR
- ⊗ FLEXIBLE CONNECTOR
- ⊗ EXPANSION JOINT
- ⊗ PLUG
- ⊗ STRAINER, Y-TYPE
- ⊗ STRAINER, BUCKET TYPE
- ⊗ FLOW METER
- ⊗ BALL FLOAT VALVE
- ⊗ BELL MOUTH SILENCE TUBE
- ⊗ BOX TO HOUSE LEVEL CONTROL SWITCH
- ⊗ PRESSURE SWITCH
- ⊗ PRESSURE GAUGE C/W Ø20 BALL VALVE
- ⊗ WATER METER BY WATER SUPPLIES DEPARTMENT
- ⊗ CHECK METER POSITION
- ⊗ LEVEL CONTROL SWITCH (TO ACTIVATE OVERFLOW)
- ⊗ LEVEL CONTROL SWITCH (TO ACTIVATE LOW LEVEL ALARM)
- ⊗ LEVEL CONTROL SWITCH (TO GIVE AN INDICATION BEFORE THE WATER STORAGE LEVEL DROPS MORE THAN 10% BELOW ITS NOMINAL FILL LEVEL)

- FIXED TYPE HOSE REEL (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
- ⊗ FIXED TYPE HOSE REEL (AS SHOWN ON PLAN)
- ⊗ A.A.V. AUTOMATIC AIR VENT C/W LOCKED SHIELD TYPE GATE VALVE
- FH HYDRANT OUTLET (SHOWN ON PLAN)
- FIRE SERVICE/SPRINKLER INLET (SHOWN ON PLAN)
- ⊗ SPRINKLER CONTROL VALVE (SHOWN ON PLAN)
- ⊗ PIPE SLEEVE AND VIBRATION ISOLATOR (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
- ⊗ STREET FIRE HYDRANT
- ⊗ VORTEX INHIBITOR
- ⊗ UNDERGROUND PIPEWORK
- ⊗ ABOVE GROUND PIPEWORK
- P.P. PROVING PIPE
- ⊗ H HEAT DETECTOR
- ⊗ S SMOKE DETECTOR
- ⊗ S<sup>SB</sup> SMOKE DETECTOR (SOUNDER BASE)
- ⊗ MANUAL CALL POINT
- ⊗ FIRE ALARM BELL
- ⊗ WATER ALARM GONG
- ⊗ MASTER FIRE ALARM BELL
- ⊗ WP MANUAL CALL POINT (WEATHERPROOF TYPE)
- ⊗ WP FIRE ALARM BELL (WEATHERPROOF TYPE)
- ⊗ V<sup>WP</sup> VISUAL FIRE ALARM (WALL MOUNTED) (WEATHERPROOF TYPE)
- ⊗ V VISUAL FIRE ALARM (WALL MOUNTED)
- ⊗ REMOTE INDICATOR
- ⊗ AFA PANEL / PUMP PANEL

ABBREVIATION :

- T-B TOP TO BOTTOM
- L-R LEFT TO RIGHT
- H/L HIGH LEVEL
- L/L LOW LEVEL
- U/G UNDERGROUND
- T/A TO ABOVE
- T/B TO BELOW
- A.F.F.L. ABOVE FINISHED FLOOR LEVEL
- A.S.F.L. ABOVE STRUCTURAL FLOOR LEVEL
- PRV PRESSURE REDUCING VALVE
- FRP OR FRR FIRE RESISTANCE RATING ROLLED STEEL JOINT
- NC/N.C. NORMALLY CLOSED
- NO/N.O. NORMALLY OPEN
- FH/HR FIRE HYDRANT/HOSE REEL
- SFH STREET FIRE HYDRANT

FIRE SERVICES NOTES FOR PHASE 2

- 1.0 DOMESTIC BLOCKS (BLOCK 6, 7, 8 AND 9)
- 1.1 INDEPENDENT FIRE HYDRANT AND HOSE REEL (FH/HR) SYSTEMS ARE TO BE PROVIDED FOR DOMESTIC BLOCKS (BLOCK 6, 7, 8 AND 9) RESPECTIVELY.
- 1.2 INDEPENDENT 36M3 FS WATER TANK, WILL BE PROVIDED FOR INDIVIDUAL DOMESTIC BLOCK TO SUPPLY THE RESPECTIVE FH/HR SYSTEM. WATER SUPPLY TO EACH WATER TANK WILL BE FED FROM GOVERNMENT TOWN MAIN.
- 1.3 F.S. INLETS, FH/HR ARE TO BE PROVIDED AT POSITIONS AS INDICATED ON PLANS. THE F.S. INLETS SERVING EACH DOMESTIC BLOCK SHALL BE INTER-CONNECTED RESPECTIVELY.
- 1.4 THERE SHALL BE SUFFICIENT HYDRANTS AND HOSE REELS ON EACH FLOOR. FIRE HYDRANTS SHALL BE PROVIDED IN ALL REQUIRED STAIRCASE ENCLOSURES. HOSE REELS SHALL BE PROVIDED TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30M OF HOSE REEL TUBING. INSTALLATION SHALL COMPLY WITH CODES OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT AND INSPECTION, TESTING AND MAINTENANCE OF INSTALLATIONS AND EQUIPMENT 2012 (FSD COP) & FSD CIRCULAR LETTER NO. 2/2013.
- 1.5 INDEPENDENT MANUAL FIRE ALARM SYSTEM TO BE PROVIDED THROUGHOUT THE EACH DOMESTIC BLOCK AND TO BE INCORPORATED IN THE RESPECTIVE FH/HR SYSTEM. THE ALARM SYSTEM SHALL BE ACTIVATED AS FOLLOWS: -
  - (a) ON ACTUATION OF ANY MANUAL FIRE ALARMS (BREAKGLASS UNITS) LOCATED WITHIN THE DOMESTIC BLOCK, ONLY THE ALARM BELLS AND FIXED FIRE PUMP OF THE INVOLVED DOMESTIC BLOCK SHALL BE ACTIVATED.
  - (b) THE ZONING OF FIRE ALARM SYSTEM AT DOMESTIC BLOCK SHOULD BE IN ACCORDANCE WITH FSD CIRCULAR LETTER NO. 4/1996.
- 1.6 FOR EACH DOMESTIC BLOCK, A COMBINED F.S. SUB-PANEL SHALL BE USED FOR MANUAL ALARM SYSTEM AND F.S. PROVISIONS FOR OPEN KITCHEN INSIDE FLAT UNIT AND PROVIDED ON G/F ENTRANCE LOBBY OF EACH DOMESTIC BLOCK. THE FIRE ALARM SIGNALS AND SYSTEM STATUS SIGNALS FROM EACH DOMESTIC BLOCK WILL BE REPEATED TO THE MAIN FIRE ALARM PANEL LOCATED INSIDE FIRE CONTROL ROOM AT AMENITY BLOCK 1.
- 1.7 NO FIRE DETECTION SYSTEM WILL BE PROVIDED FOR DOMESTIC BLOCKS EXCEPT UNIT WITH OPEN KITCHEN AND THE CORRIDOR AREA UNDER THESE UNIT.
- 1.8 THE IMPROVED SPRINKLER SYSTEM, DESIGNED TO BE ORDINARY HAZARD 1 (OH1), WILL BE DIRECTLY FED FROM THE GOVERNMENT TOWN MAIN. SPRINKLER PROTECTION SHALL BE PROVIDED FOR THE OPEN KITCHEN AREA OF EACH DOMESTIC FLAT IN ACCORDING TO THE ITEM 9.2 APPENDIX A IN PART II OF FSD CIRCULAR LETTER NO. 4/1996.
- 1.9 HOSE REEL SYSTEM OF DOMESTIC BLOCK 9 SHALL BE EXTENDED TO CONNECT THE HOSE REEL IN THE R.S. & M.R.C. AREA ADJACENT TO BLOCK 9. FIXED FIRE PUMP OF BLOCK 9 AND THE ALARM BELL IN R.S. & M.R.C. AREA AND BLOCK 9 SHALL BE ACTIVATED UPON ACTUATION OF THE MANUAL FIRE ALARM (BREAKGLASS UNIT) IN THE R.S. & M.R.C. AREA AND BLOCK 9.
- 1.10 NO SPRINKLER HEAD SHALL BE PROVIDED AT THE TOP OF REFUSE CHUTE IN DOMESTIC BLOCK.
- 1.11 SPRINKLER CONTROL VALVE SET AND SPRINKLER INLET AT EACH BLOCK SHALL BE PROVIDED AT POSITIONS AS INDICATED ON PLANS.
- 1.12 VENTILATION / AIR CONDITIONING CONTROL SYSTEM WILL NOT BE PROVIDED FOR DOMESTIC BLOCKS.

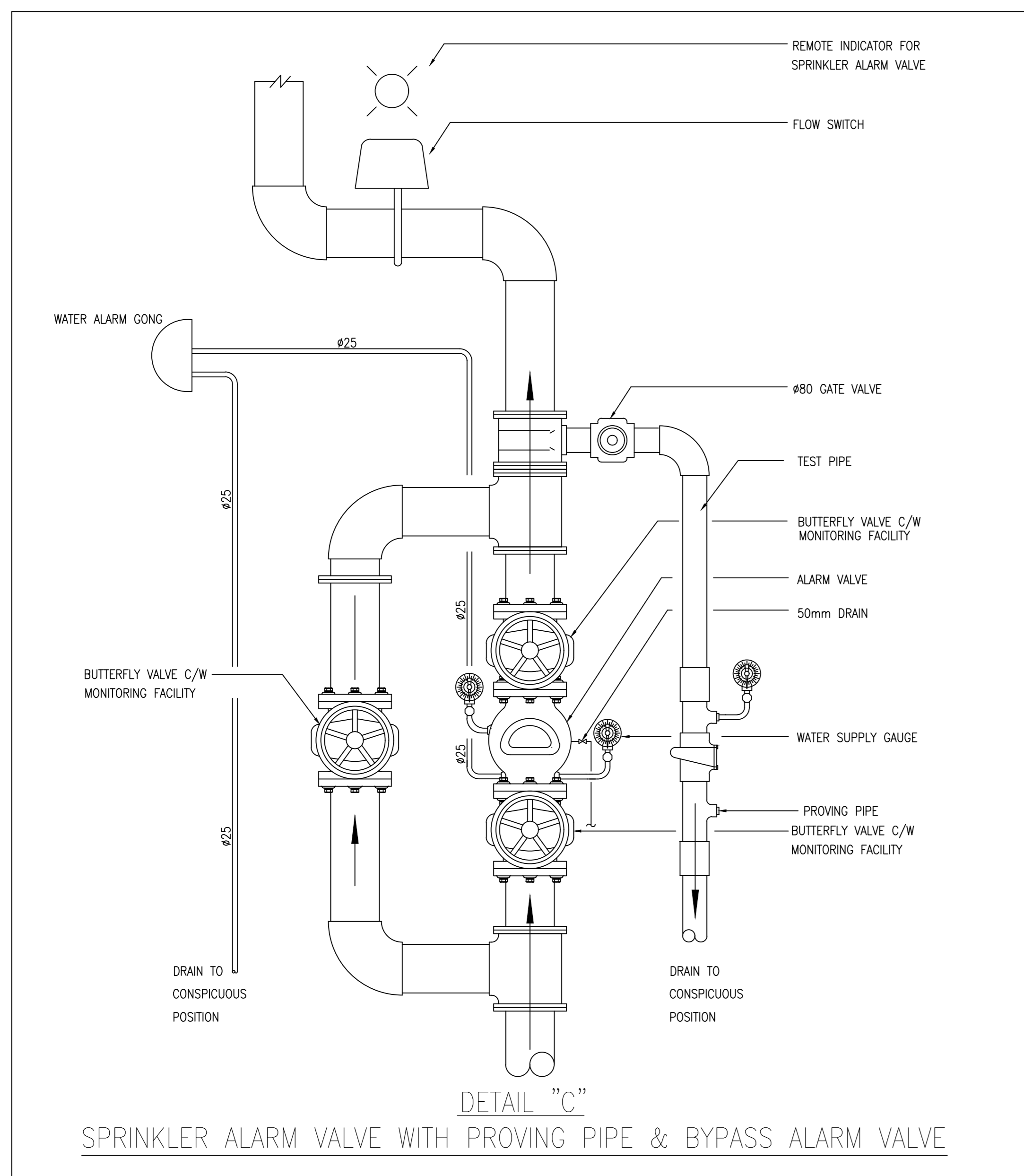
- 2.0 M&E PLANT ROOMS (SEWAGE TREATMENT PLANT ROOM 2)
- 2.1 INDEPENDENT FIRE DETECTION SYSTEM WITH ASSOCIATED F.S. SUB-PANEL AND FIRE ALARM SYSTEM ARE TO BE PROVIDED FOR SEWAGE TREATMENT PLANT ROOM 2 AND INSTALLED IN ACCORDANCE WITH BS 5839 PART 1: 2002+A2 :2008 AND FSD CIRCULAR LETTER 1/2009, 3/2010 EXCEPT E&M PIPE DUCT/CABINET/ TRENCH.
- 2.2 WHEN A VENTILATION / AIR CONDITIONING CONTROL SYSTEMS IS PROVIDED, IT SHALL COMPLY WITH CURRENT FSD'S CODES OF PRACTICE 2012 EDITION AS WELL AS CIRCULAR LETTERS NO. 2/2005.
- 2.3 5KG CO2 PORTABLE FIRE EXTINGUISHER WILL BE PROVIDED AS INDICATED ON LAYOUT PLAN.
- 2.4 EMERGENCY LIGHTING SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH B.S. 5266 PART 1 : 2016, BSEN 1838 : 2013 AND FSD CIRCULAR LETTER NO. 4/2021 THROUGHOUT THE BUILDING.
- 3.0 GENERAL FS PROVISIONS
- 3.1 ONE (1) MAIN FIRE CONTROL PANEL (ALSO USE AS FIRE ALARM PANEL OF AMENITY BLOCK 1) SHALL BE PROVIDED FOR THE ENTIRE DEVELOPMENT AND LOCATED AT FIRE CONTROL ROOM AT AMENITY BLOCK 1; ALL FIRE ALARM SIGNALS FROM EACH DOMESTIC BLOCK, AMENITY BLOCK AND EACH E&M PLANT BUILDING SHALL BE TRANSMITTED TO THE MAIN FIRE ALARM PANEL.
- 3.2 INDIVIDUAL F.S. SUB-PANEL WILL BE PROVIDED FOR EACH DOMESTIC BLOCK, AMENITY BLOCK 2, AND THE E&M PLANT BUILDING(S) TO RECEIVE ITS RESPECTIVE FIRE ALARM SIGNALS AND TRANSMITTED TO THE MAIN FIRE ALARM PANEL LOCATED AT AMENITY BLOCK 1.
- 3.3 DIRECT TELEPHONE LINK TO THE F.S. C.C. FOR THE SPRINKLER SYSTEM, AUTOMATIC / MANUAL FIRE ALARM AND FIRE DETECTION SYSTEMS SHOULD BE PROVIDED. AT THE MAIN FIRE ALARM PANEL AT AMENITY BLOCK 1
- 3.4 5KG CO2 PORTABLE FIRE EXTINGUISHER WILL BE PROVIDED AS INDICATED ON PLAN.
- 3.5 9 LITRE H2O FIRE EXTINGUISHER TO BE PROVIDED IN THE REFUSE ROOM / CHAMBER AS INDICATED.
- 3.6 THE CURRENT HKFSD STANDARD REQUIREMENTS FOR TRANSFORMER AND SWITCHGEAR (NP/101) ARE TO BE COMPLIED WITH WHERE APPLICABLE ON PLAN.
- 4.0 OTHER REQUIREMENTS FOR ELECTRICAL AND MECHANICAL SYSTEM
- 4.1 EMERGENCY LIGHTING SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH B.S. 5266 PART 1 : 2016, BSEN 1838 : 2013 AND FSD CIRCULAR LETTER NO. 4/2021 THROUGHOUT THE AMENITY BLOCKS AND DOMESTIC BLOCKS EXCEPT DOMESTIC FLAT UNITS. EMERGENCY LIGHTING IS CONNECTED TO PUBLIC ELECTRICITY AND BACK UP BY BATTERY AND SHALL BE CAPABLE OF MAINTAINING FOR A PERIOD NOT LESS THAN 2 HOURS. (3 HOURS FOR ALL BLOCKS)
- 4.2 ESSENTIAL POWER SUPPLY TO FIRE HYDRANT/HOSE REEL SYSTEM, AND SPRINKLER SYSTEM WILL BE CONNECTED TO PRIMARY AND SECONDARY POWER SUPPLY.
  - (a) SECONDARY SOURCE OF POWER SUPPLY FOR FIRE HYDRANT/HOSE REEL SYSTEM. ALL FIRE ALARM PANELS AND SPRINKLER SYSTEM SHALL BE TAKEN FROM UPSTREAM OF THE MAIN ELECTRICAL SWITCH OF THE DEVELOPMENT, EMERGENCY LIGHTING AND EXIT SIGN SHALL BE BACKED UP BY SECONDARY BATTERY.
  - (b) NO EMERGENCY GENERATOR WILL BE PROVIDED FOR THE DEVELOPMENT.
- 4.3 SUFFICIENT DIRECTIONAL AND EXIT SIGN SHALL BE PROVIDED TO ENSURE THAT ALL EXIT ROUTES FROM ANY FLOOR WITHIN EACH BUILDING ARE CLEARLY INDICATED.
- 4.4 NO STAIRCASE PRESSURIZATION SYSTEM SHALL BE PROVIDED.
- 4.5 NO SMOKE EXTRACTION SYSTEM SHALL BE PROVIDED.
- 4.6 SUFFICIENT STREET FIRE HYDRANT SHALL BE PROVIDED ALONG INTERNAL EVA. WATER SUPPLY FOR STREET HYDRANT TO THE DEVELOPMENT WILL BE DIRECTLY CONNECTED FROM EXISTING GOVERNMENT WATER MAIN LOCATED AT KAM SHEUNG ROAD WHICH IS NEAR THE RUN-IN ENTRANCE TO THE DEVELOPMENT.
- 5.0 DANGEROUS GOODS
- 5.1 ANY INTENDED STORAGE OR USE OF DANGEROUS GOODS AS DEFINED IN CHAPTER 295 OF THE LAWS OF HONG KONG SHOULD BE NOTIFIED TO THE DIRECTOR OF FIRE SERVICES.
- 5.2 APPLICATION IN RESPECT OF ALL DANGEROUS GOODS, WILL BE SUBMITTED SEPARATELY TO THE FIRE PROTECTION REGIONAL OFFICE.
- 5.3 CHEMICAL STORAGE ROOM SHALL BE STORAGE OF "SODIUM HYPOCHLORITE SOLUTIONS" FOR SEWAGE TREATMENT PLANT USE. THE MAXIMUM EXEMPT QUANTITY SHOULD FOLLOW "FIRE PROTECTION NOTICE NO.4 - DANGEROUS GOODS GENERAL", IF ANY.
- 6.0 OTHERS
- 6.1 ALL LININGS FOR ACOUSTIC AND THERMAL INSULATION PURPOSES IN DUCTINGS AND CONCEALED LOCATIONS SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476 : PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
- 6.2 ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476 : PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
- 7.0 F.S. PROVISION FOR OPEN KITCHEN (COP FOR FIRE SAFETY OF BUILDING CLAUSE C13.4)
- 7.1 ADDRESSABLE TYPE SMOKE DETECTORS WITH SOUNDER BASE SHALL BE PROVIDED TO COVER THE ENTIRE OPEN KITCHEN AREA. THE FIRE SIGNAL OF SMOKE DETECTORS SHALL BE TRANSMITTED TO RESPECTIVE DOMESTIC BLOCK'S F.S. SUB-PANEL AND TRANSMITTED TO THE MAIN FIRE ALARM PANEL AT AMENITY BLOCK 1 BUT NOT TRANSMITTED TO THE FIRE SERVICES COMMUNICATION CENTRE.
- 7.2 ADDRESSABLE TYPE SMOKE DETECTOR ARE PROVIDED TO COVER THE LOBBY/ CORRIDOR AREA OUTSIDE DOMESTIC UNITS WITH OPEN KITCHEN. THE FIRE SIGNAL OF THE SMOKE DETECTOR SHALL BE TRANSMITTED TO RESPECTIVE DOMESTIC BLOCK'S F.S. SUB-PANEL AND TRANSMITTED TO THE MAIN FIRE ALARM PANEL AT AMENITY BLOCK 1 FOR TRANSMISSION TO F.S.C.C. VIA THE COMMON DIRECT TELEPHONE LINK.
- 7.3 F.S. SUB-PANEL WILL BE PROVIDED IN EACH DOMESTIC BLOCK ENTRANCE LOBBY TO INDICATE THE FIRE ALARM SIGNAL OF OPEN KITCHEN FROM THE RESPECTIVE DOMESTIC BLOCK.
- 7.4 FOR EACH DOMESTIC BLOCK, AN IMPROVED SPRINKLER SYSTEM DIRECTLY FED FROM THE GOVERNMENT TOWN MAIN SHALL BE PROVIDED IN ACCORDANCE WITH LPC RULES BSEN 12845: 2003 AND FSD CIRCULAR LETTER 4/1996, 3/2006, 3/2012 FOR AUTOMATIC SPRINKLER INSTALLATIONS TO PROTECT DOMESTIC BLOCK'S OPEN KITCHEN AREA ONLY. THE OCCUPANCY FOR EACH DOMESTIC BLOCK WITH OPEN KITCHEN IS CLASSIFIED AS ORDINARY HAZARD GROUP 1.
- 7.5 NO WATER TANK & SPRINKLER PUMP SHALL BE PROVIDED TO IMPROVED SPRINKLER SYSTEM.
- 7.6 FOR EACH DOMESTIC BLOCK, F.S. SUB-PANEL SHALL BE PROVIDED AT ENTRANCE LOBBY TO INDICATE THE FLOOR UPON WHICH A SPRINKLER IS OPERATING.
- 7.7 FOR SPRINKLER HEADS PROVIDED IN FLATS WITH OPEN KITCHEN, THE ALARM SIGNAL SHALL BE RECEIVED BY THE RESPECTIVE F.S. SUB-PANEL AND TRANSMITTED TO THE MAIN FIRE ALARM PANEL AT AMENITY BLOCK 1 AND TO THE FIRE SERVICES COMMUNICATION CENTRE VIA THE COMMON DIRECT TELEPHONE LINK OF AMENITY BLOCK 1.
- 7.8 FIRE SAFETY MANAGEMENT PLAN FOR THE FLATS WITH OPEN KITCHEN DESIGN, TO BE ENDORSED BY THE DEVELOPER AND UNDERTAKEN BY THE PROPERTY MANAGEMENT AND WILL BE SUBMITTED TO FIRE SERVICES DEPARTMENT FOR ACCEPTANCE UNDER SEPARATE SUBMISSION.
- 7.9 THE FIRE SAFETY MANAGEMENT PLAN SHALL BE SUBMITTED AND ACCEPTED BY THE FIRE SERVICES DEPARTMENT PRIOR TO REQUEST FOR FSI ACCEPTANCE INSPECTION.



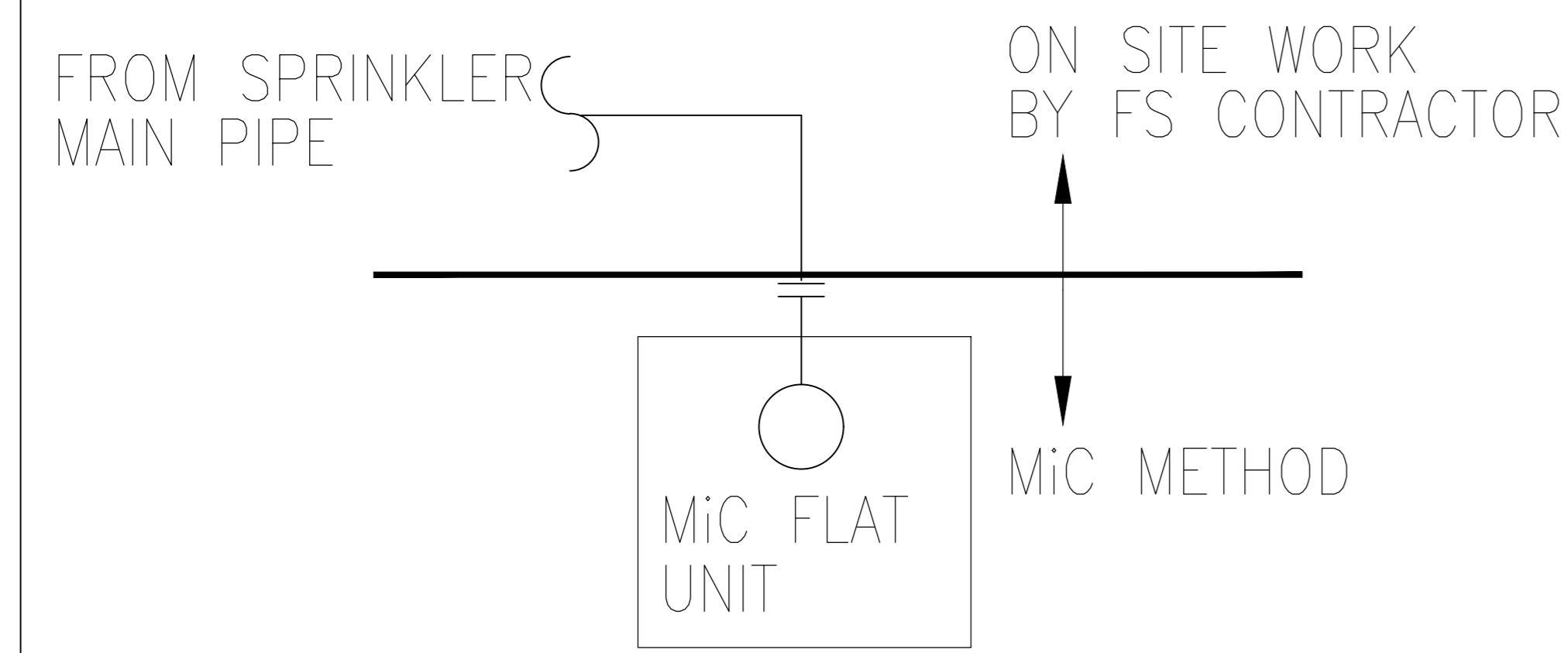
SITE LOCATION PLAN

B.D. REFERENCE NUMBER:	
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11/22 AS BUILT	10/22 FS 314 SUBMISSION
NO. DATE REVISIONS	
CLIENT: 	
CLIENT: 	
PROJECT ARCHITECT/ AUTHORIZED PERSON: 	
PROJECT STRUCTURAL / M&E / GEOTECHNICAL AND CIVIL ENGINEER: 	
QUANTITY SURVEYOR: 	
PLANNING CONSULTANT: 	
LANDSCAPE CONSULTANT: 	
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DESIGN & BUILD CONTRACTOR: 	
DESIGN & BUILD ARCHITECT: 	
DESIGN & BUILD GEOTECHNICAL ENGINEERING CONSULTANT: 	
DESIGN & BUILD MIC CONSULTANT: 	
DESIGN & BUILD M&E ENGINEER CONSULTANT: 	
BUILDING SERVICES SUB-CONTRACTOR: 	
FIRE SERVICES SUB-CONTRACTOR: 	
PROJECT: TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN	
TITLE: FIRE SERVICES - LEGEND, ABBREVIATIONS AND NOTES (PHASE 2)	
DATE: 10/2022	SCALE: N.T.S.
DRAWN: (1)	CHECKED: (1)
DESIGNED: (1)	REVIEWED: (1)
JOB NO. DRAWING NO.	REV. NO.
32560 8788/MLP/FS/P2/0001	1

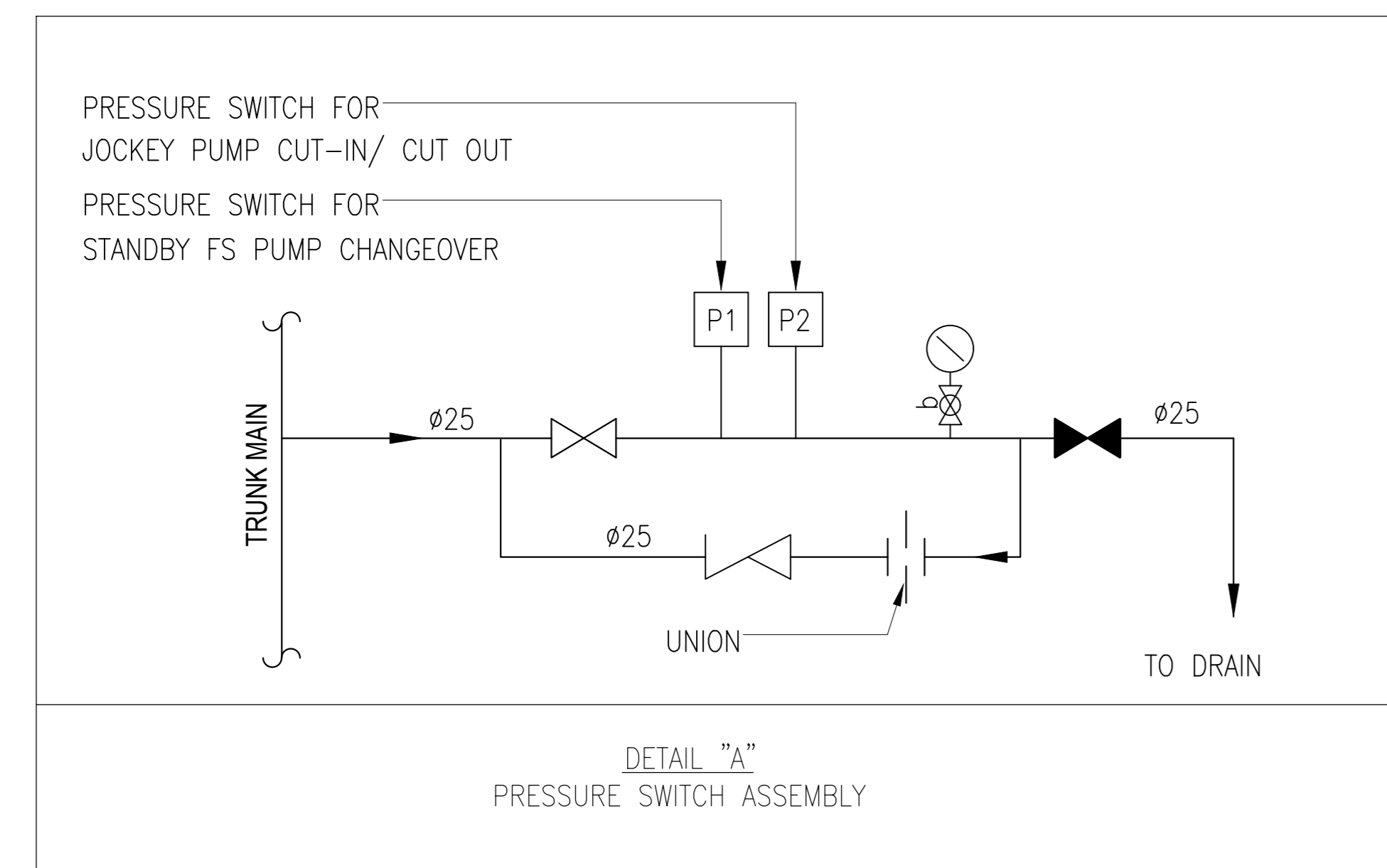
AS BUILT



DETAIL "C"  
SPRINKLER ALARM VALVE WITH PROVING PIPE & BYPASS ALARM VALVE



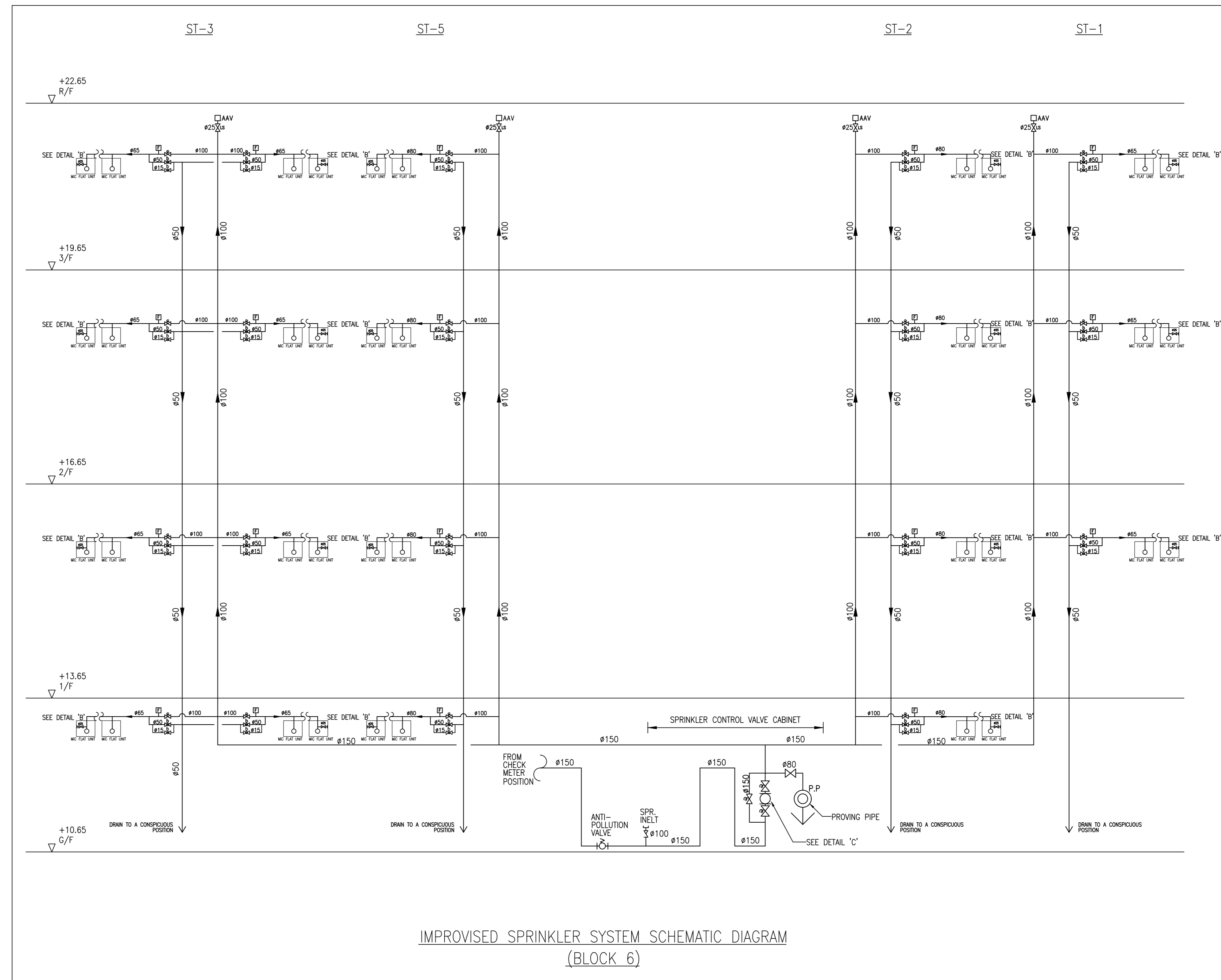
DETAIL "B"  
SPRINKLER PIPE WORK DEMARCATON FOR MiC UNIT



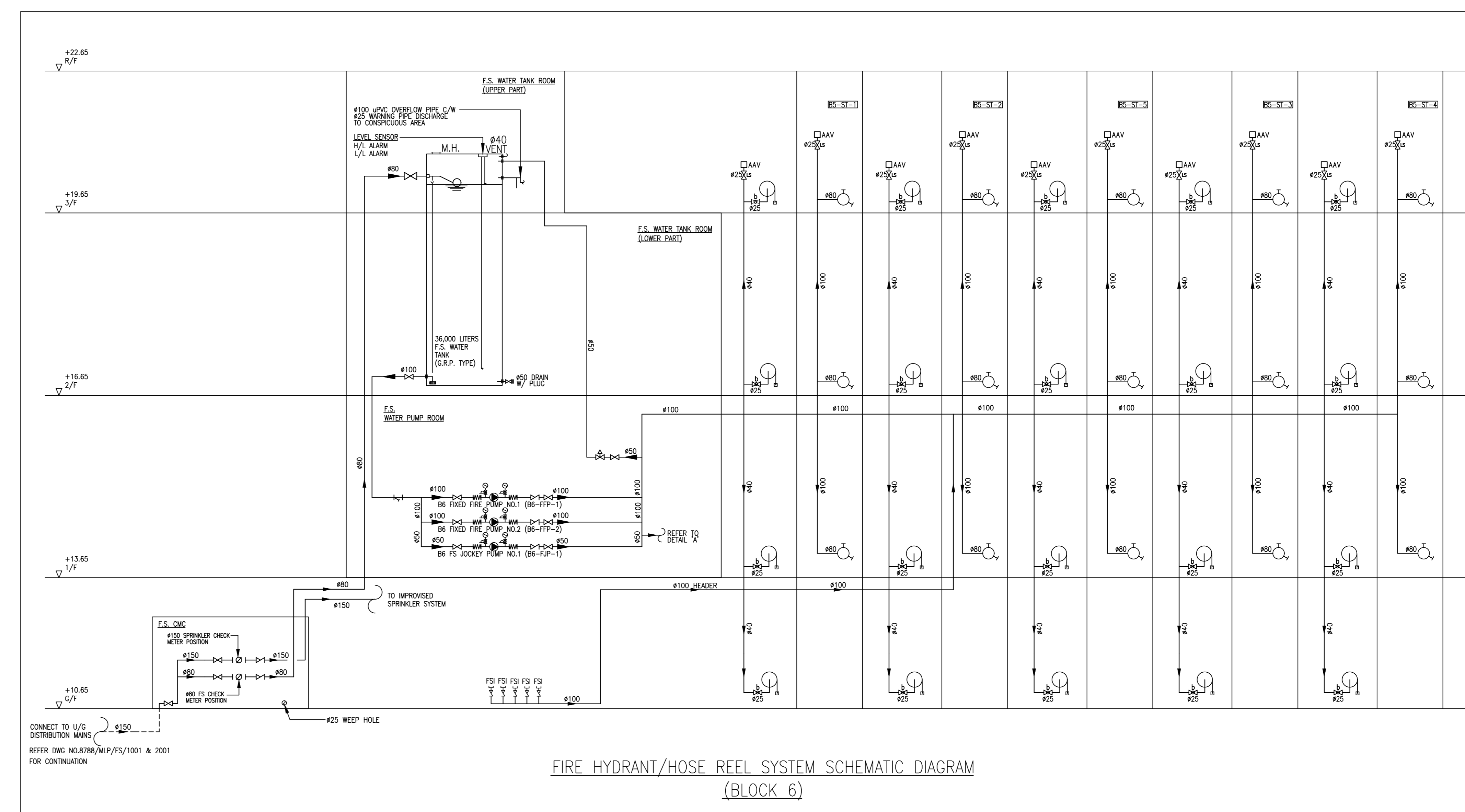
DETAIL "A"  
PRESSURE SWITCH ASSEMBLY

PUMP SCHEDULE

PUMP DESCRIPTION	PRESSURE (bar)	FLOW RATE (litres/min.)	PUMP TYPE	MOTOR POWER (kW)	EFFICIENCY (%)
FIXED FIRE PUMP	6.5	0	HORIZONTAL END SUCTION, CENTRIFUGAL, 2900 rpm	22.0	≥55
B6 FIXED FIRE PUMP NO.1 (B6-FFP-1) - DUTY	6	900			
B6 FIXED FIRE PUMP NO.2 (B6-FFP-2) - STANDBY					
FS JOCKEY PUMP	7.5	0	VERTICAL MULTI-STAGE CENTRIFUGAL, 2900 rpm	2.2	≥55
B6 FS JOCKEY PUMP NO.1 (B6-FJP-1)	7	30			



IMPROVED SPRINKLER SYSTEM SCHEMATIC DIAGRAM  
(BLOCK 6)



FIRE HYDRANT/HOSE REEL SYSTEM SCHEMATIC DIAGRAM  
(BLOCK 6)

B.D. REFERENCE NUMBER:

NOTES  
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HENDERSON LAND DEVELOPMENT COMPANY LIMITED

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AUTHORIZED PERSON:  
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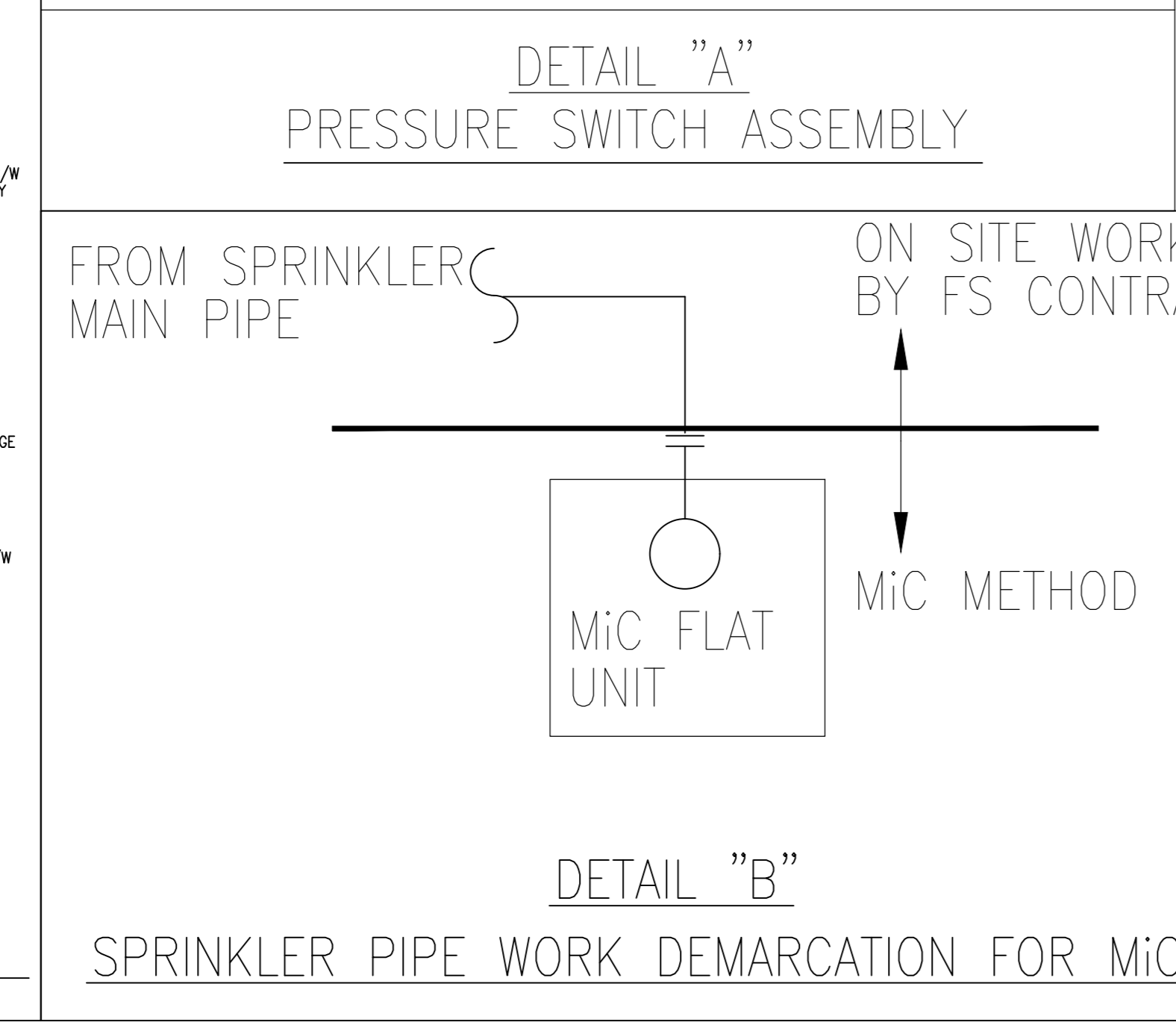
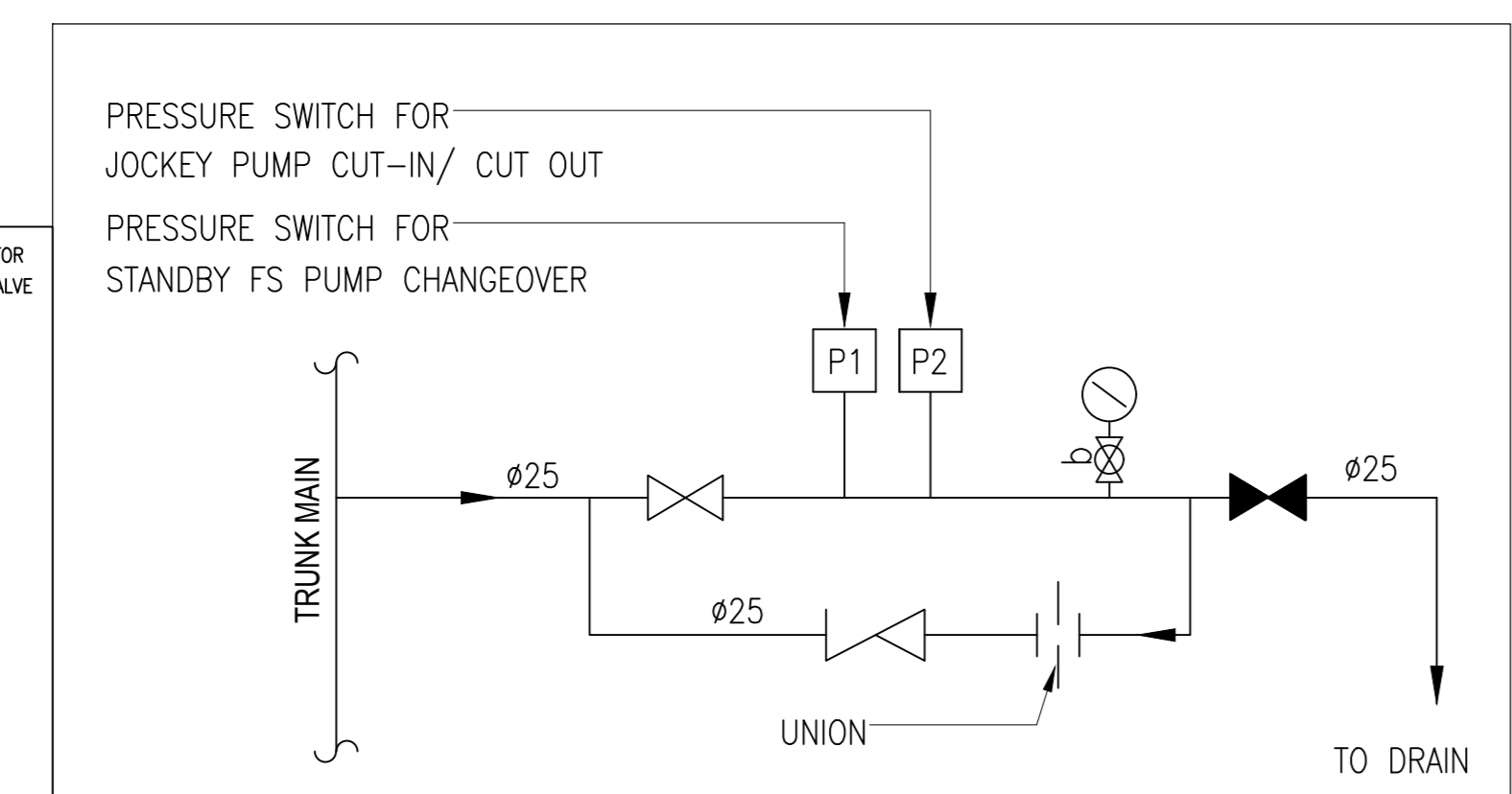
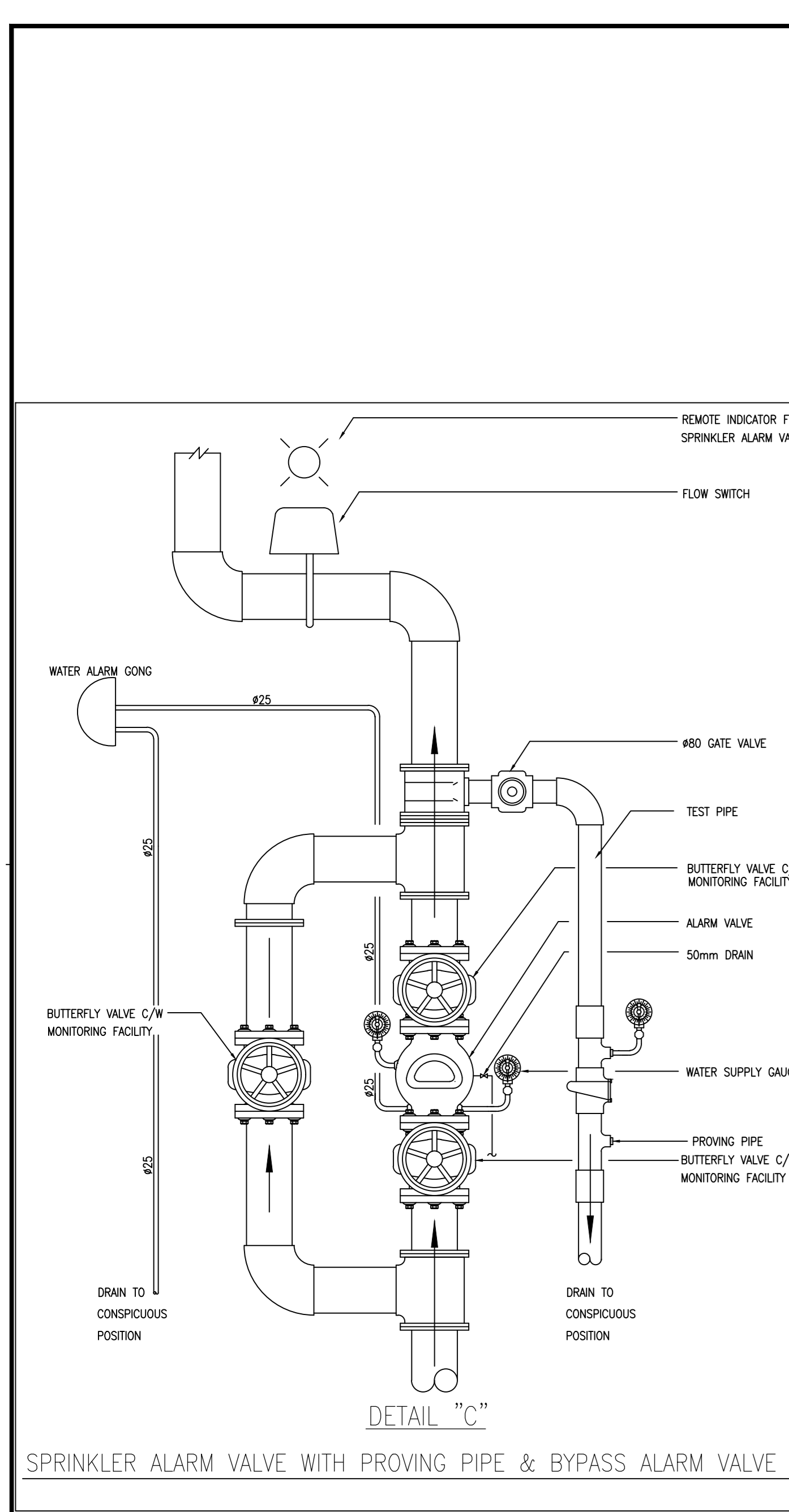
FIRE SERVICES SUB-CONTRACTOR:  
Lee Yu Kee  
Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

TITLE:  
FIRE SERVICES -  
FI/HIS & SPRINKLER SYSTEM  
SCHEMATIC DIA.  
FOR BLOCK 6

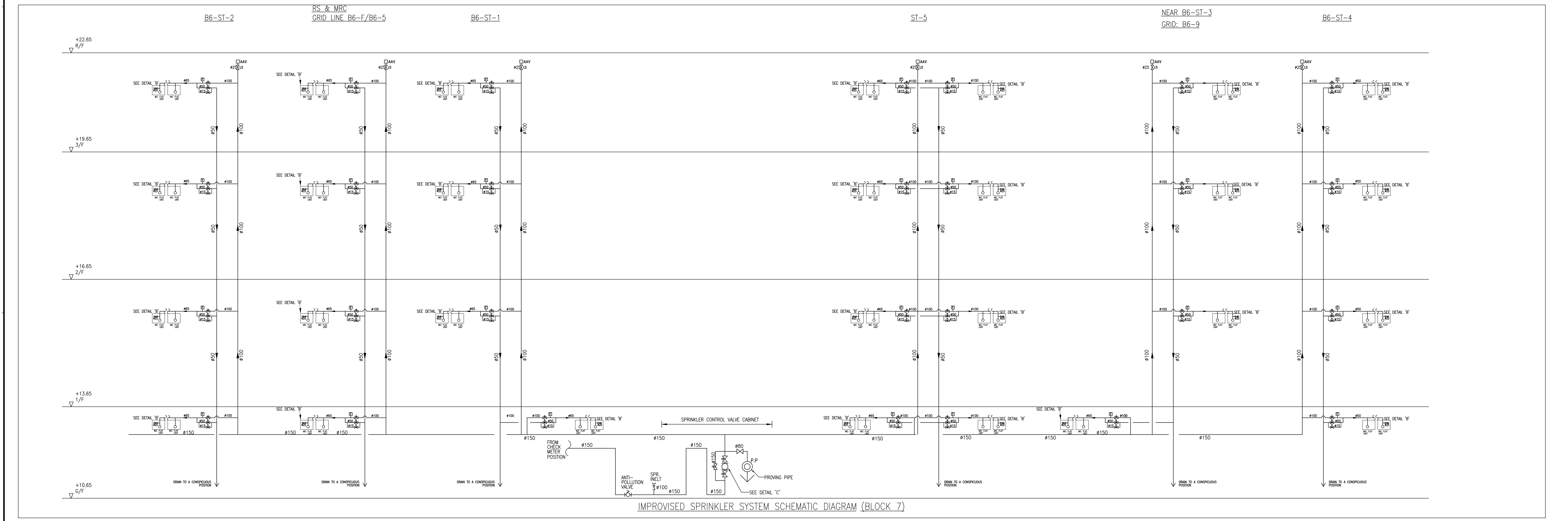
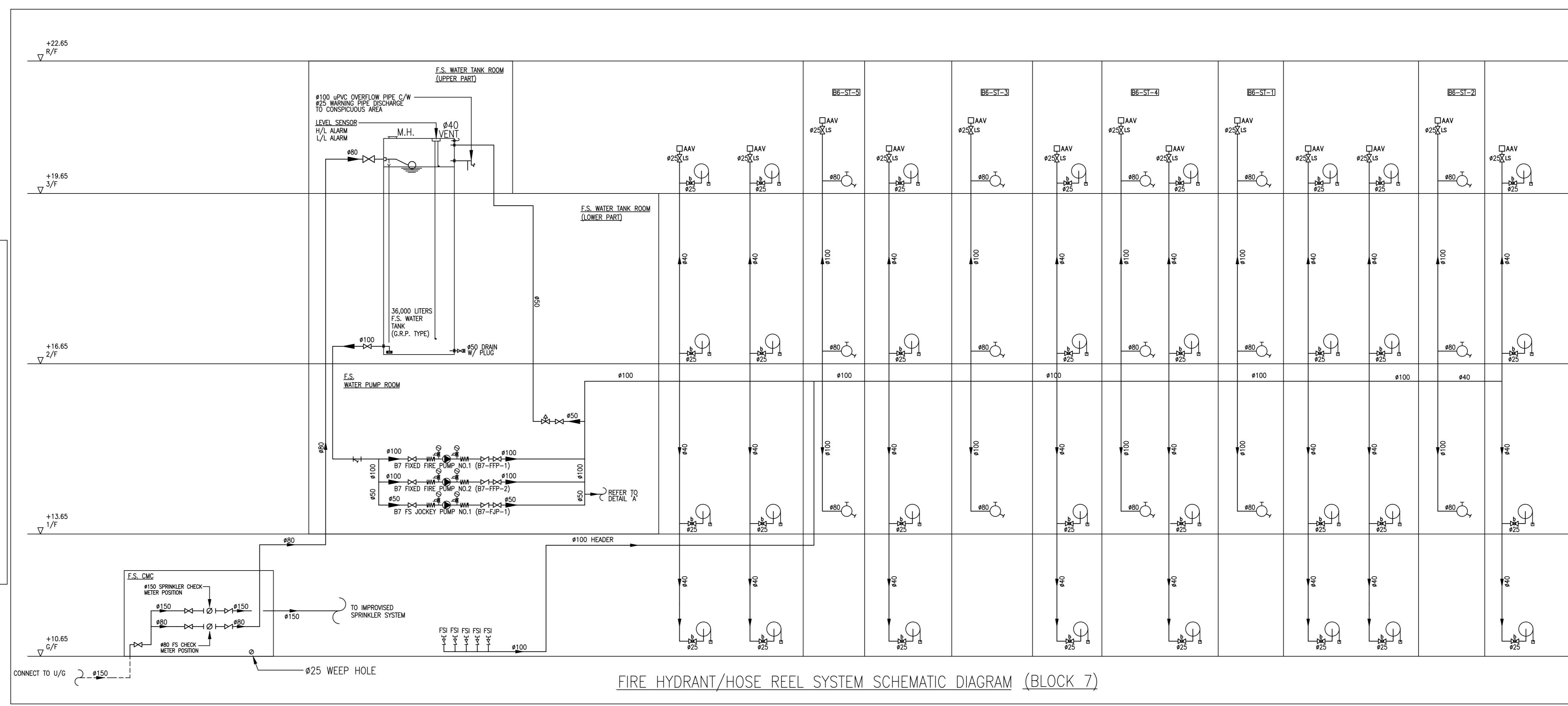
DATE	SCALE	N.T.S.
11/2022		
DRAWN	CHECKED	DESIGNED
8788	8788/FS/B6/001	1

AS BUILT



PUMP SCHEDULE

PUMP DESCRIPTION	PRESSURE (bar)	FLOW RATE (litres/min.)	PUMP TYPE	MOTOR POWER (kW)	EFFICIENCY (%)
FIXED FIRE PUMP B7 FIXED FIRE PUMP NO.1 (B7-FFP-1) - DUTY B7 FIXED FIRE PUMP NO.2 (B7-FFP-2) - STANDBY	6.5 6	0 900	HORIZONTAL END SUCTION, CENTRIFUGAL, 2900 rpm	22.0	≥55
FS JOCKEY PUMP B7 FS JOCKEY PUMP NO.1 (B7-FJP-1)	7.5 7	0 30	VERTICAL MULTI-STAGE CENTRIFUGAL, 2900 rpm	2.2	≥55



B.D. REFERENCE NUMBER:

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FIRE SERVICES SUB-CONTRACTOR:  
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Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HAI WAI, KAM TIN

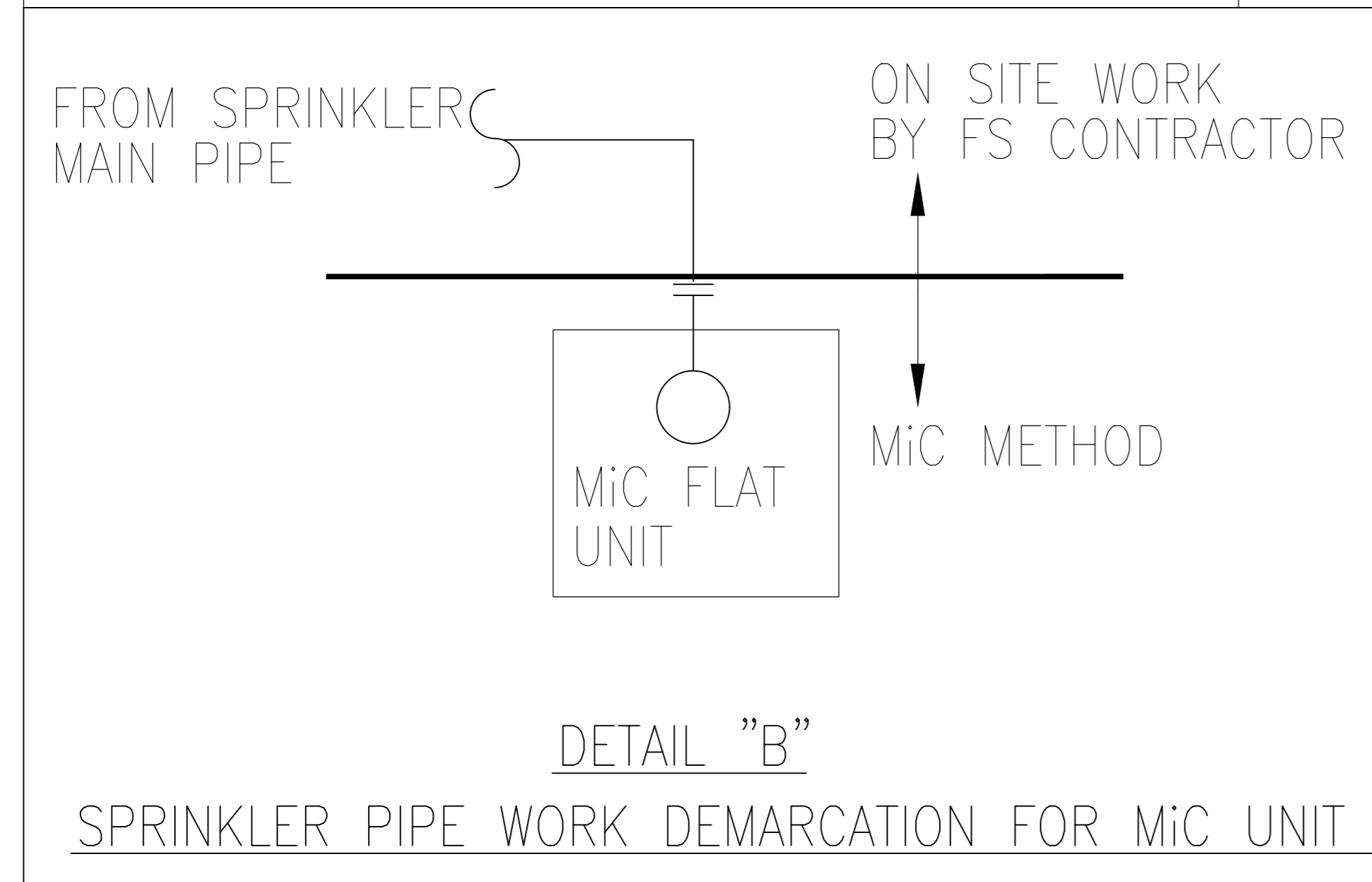
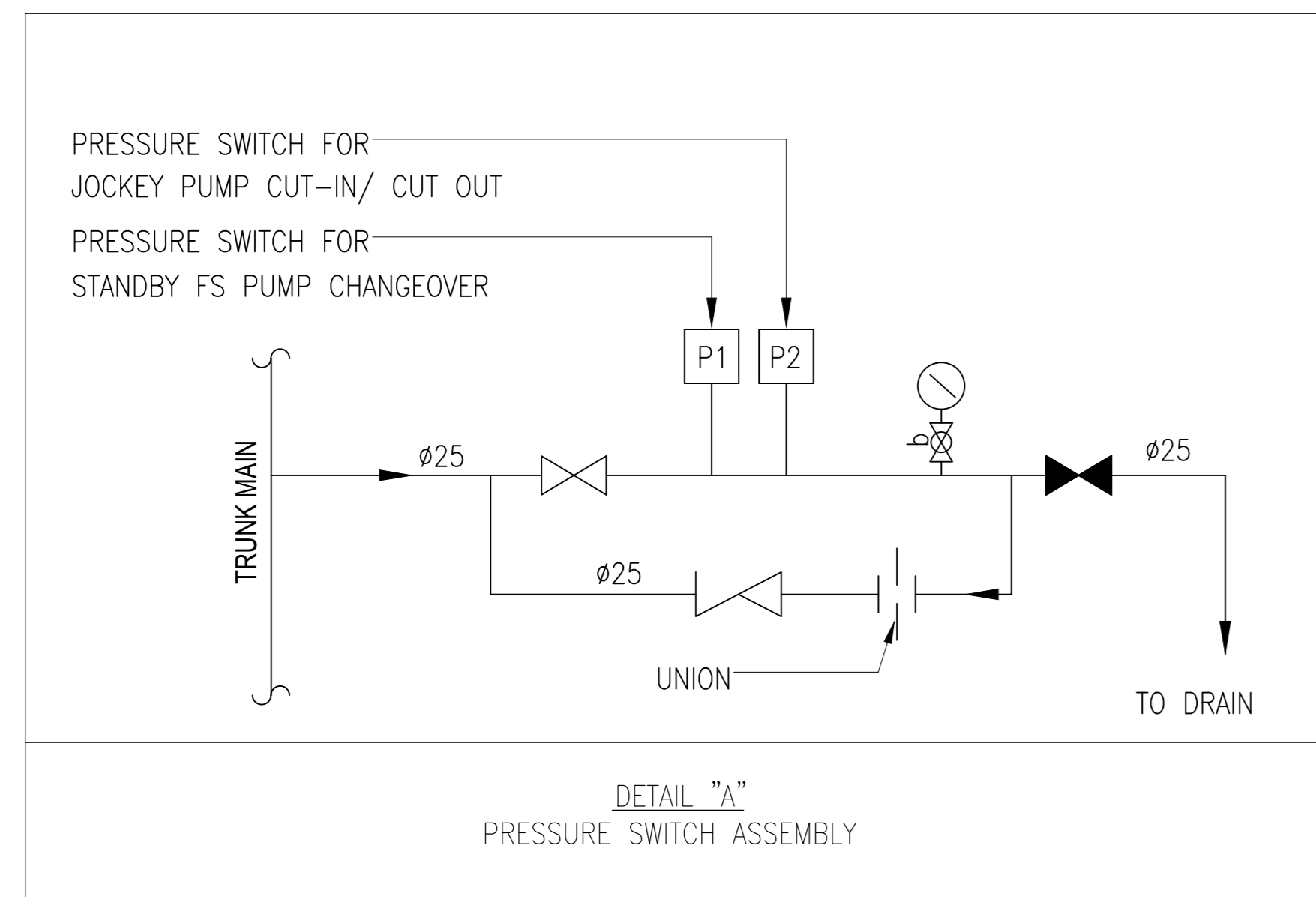
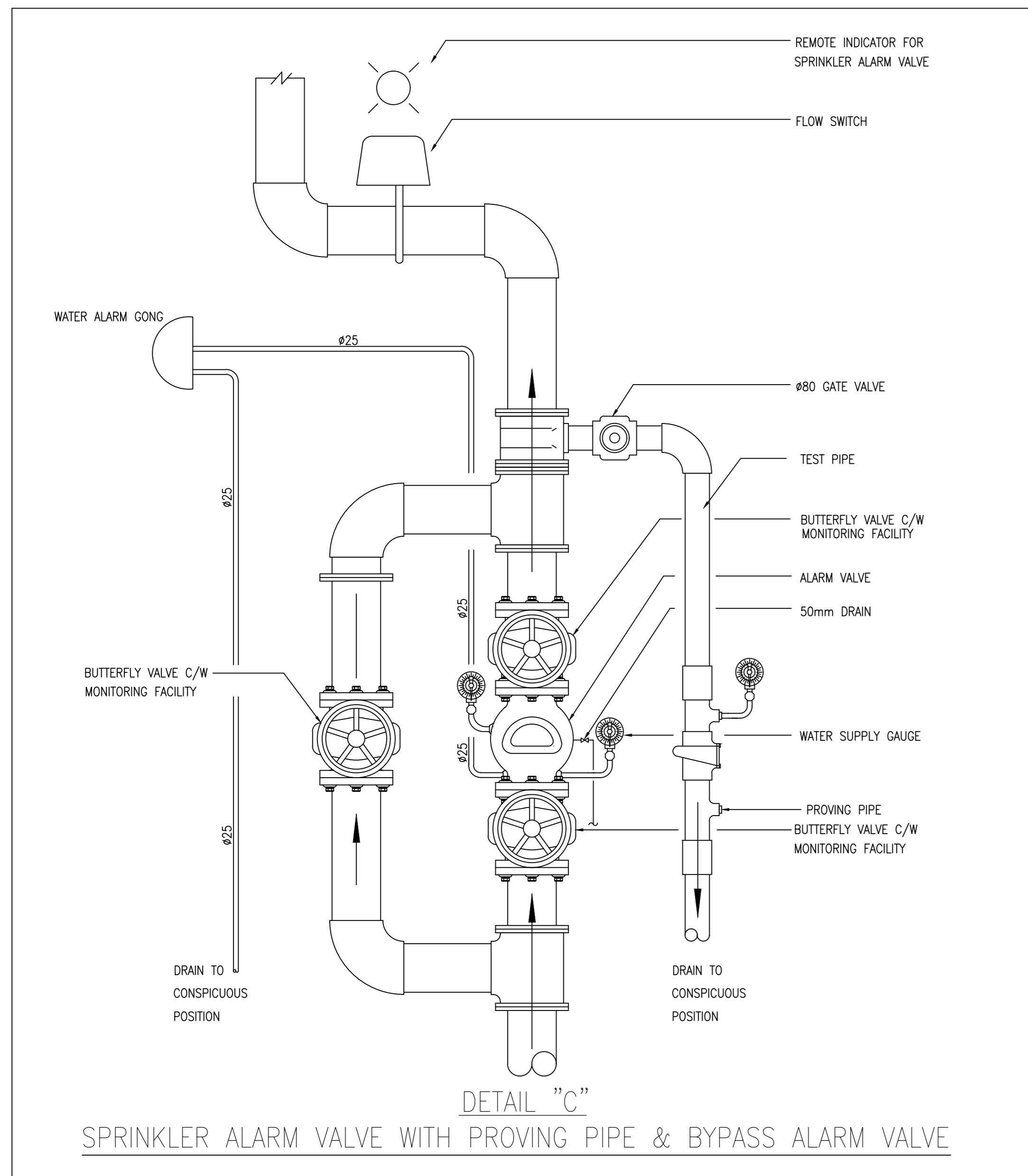
TITLE:  
FIRE SERVICES - FH/HR AND SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 7

DATE	SCALE	N.T.S.
11/2022		

DRAWN	CHECKED	DESIGNED	REVIEWED
8788			

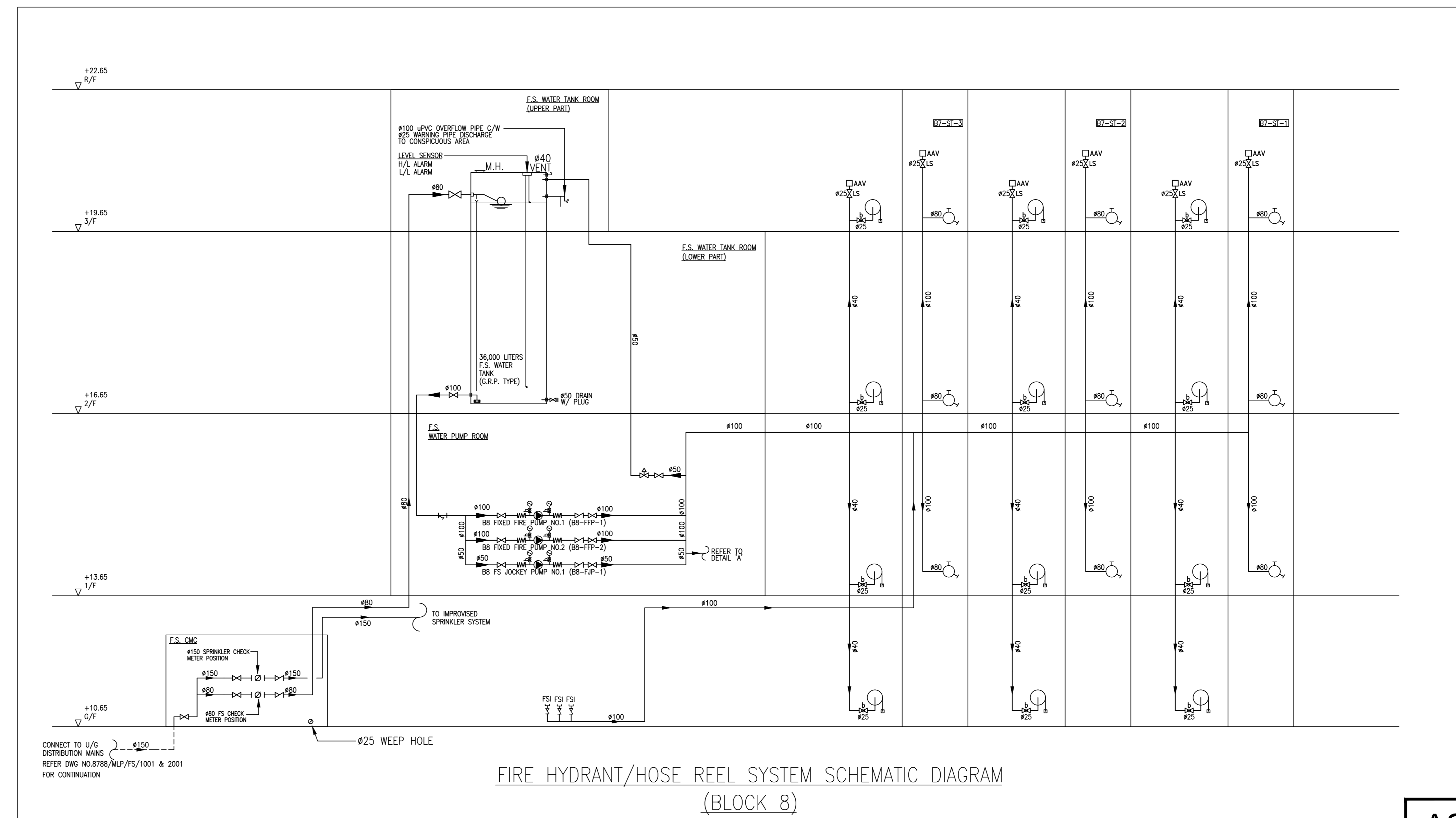
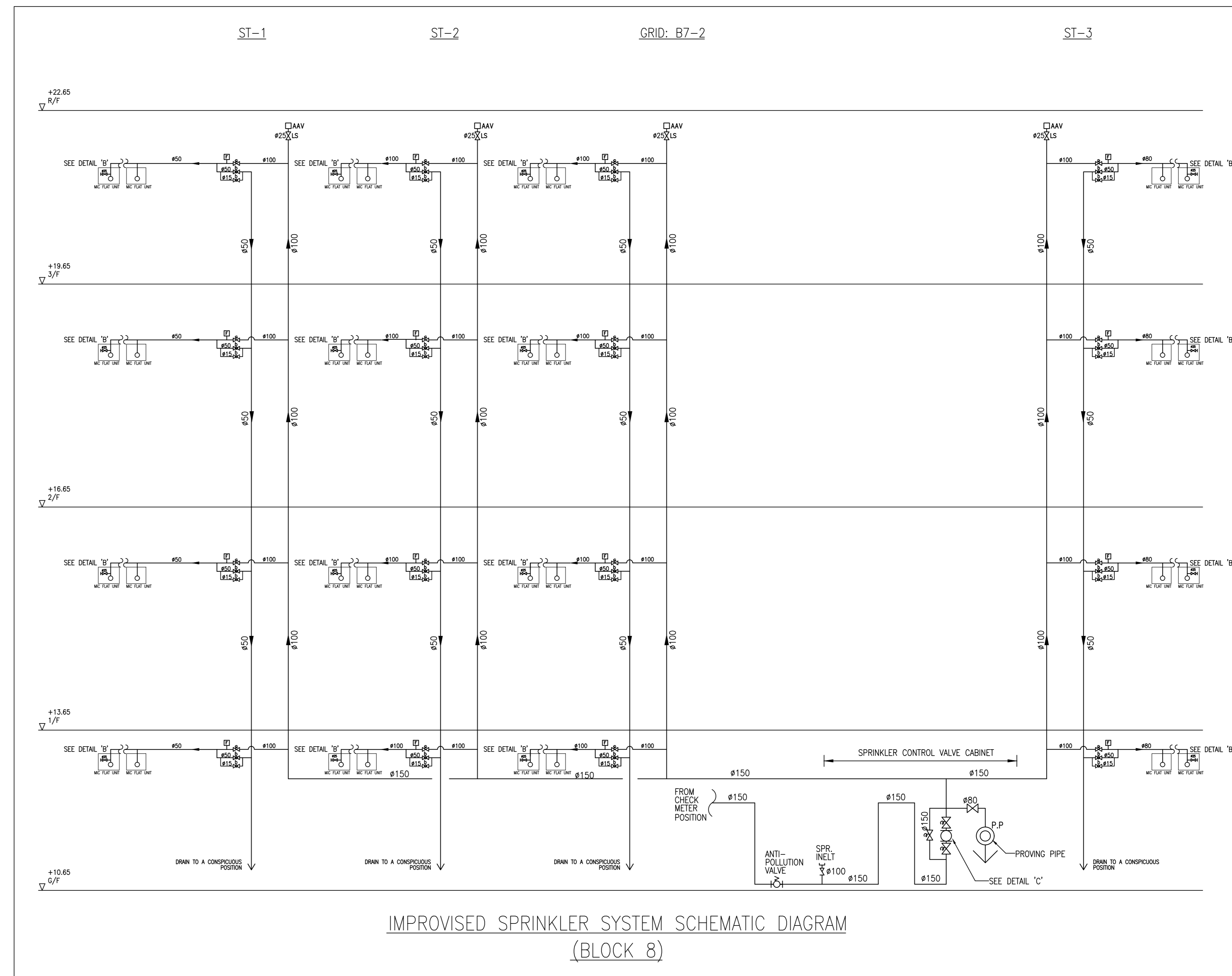
JOB NO.	DRAWING NO.	REV. NO.
8788	8788/FS/B7/001	1

AS BUILT



PUMP SCHEDULE

PUMP DESCRIPTION	PRESSURE (bar)	FLOW RATE (litres/min.)	PUMP TYPE	MOTOR POWER (kW)	EFFICIENCY (%)
FIXED FIRE PUMP	6.5	0	HORIZONTAL END SUCTION, CENTRIFUGAL, 2900 rpm	22.0	≥55
B8 FIXED FIRE PUMP NO.1 (B8-FFP-1) - DUTY	6	900			
B8 FIXED FIRE PUMP NO.2 (B8-FFP-2) - STANDBY					
FS JOCKEY PUMP	7.5	0	VERTICAL MULTI-STAGE CENTRIFUGAL, 2900 rpm	2.2	≥55
B8 FS JOCKEY PUMP NO.1 (B8-FJP-1)	7	30			



FIRE HYDRANT/HOSE REEL SYSTEM SCHEMATIC DIAGRAM (BLOCK 8)

B.D. REFERENCE NUMBER:

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WT

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捷信

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Alliance Contracting Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:

Lee Yu Kee  
Fire Protection Ltd.

PROJECT:

TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

TITLE:

FIRE SERVICES -  
FH/HR AND SPRINKLER  
SYSTEM SCHEMATIC DIA.  
FOR BLOCK 8

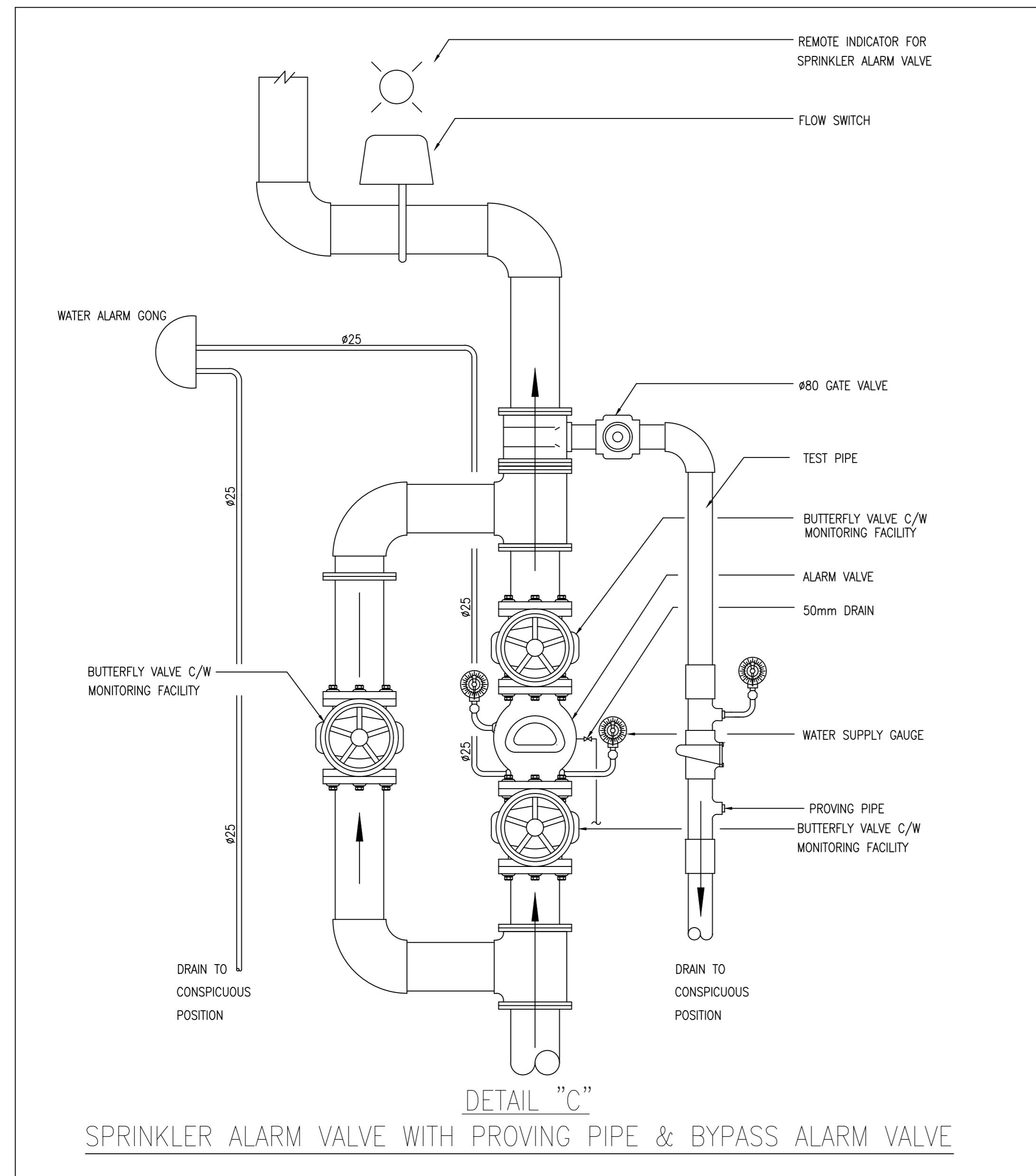
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SCALE: N.T.S.

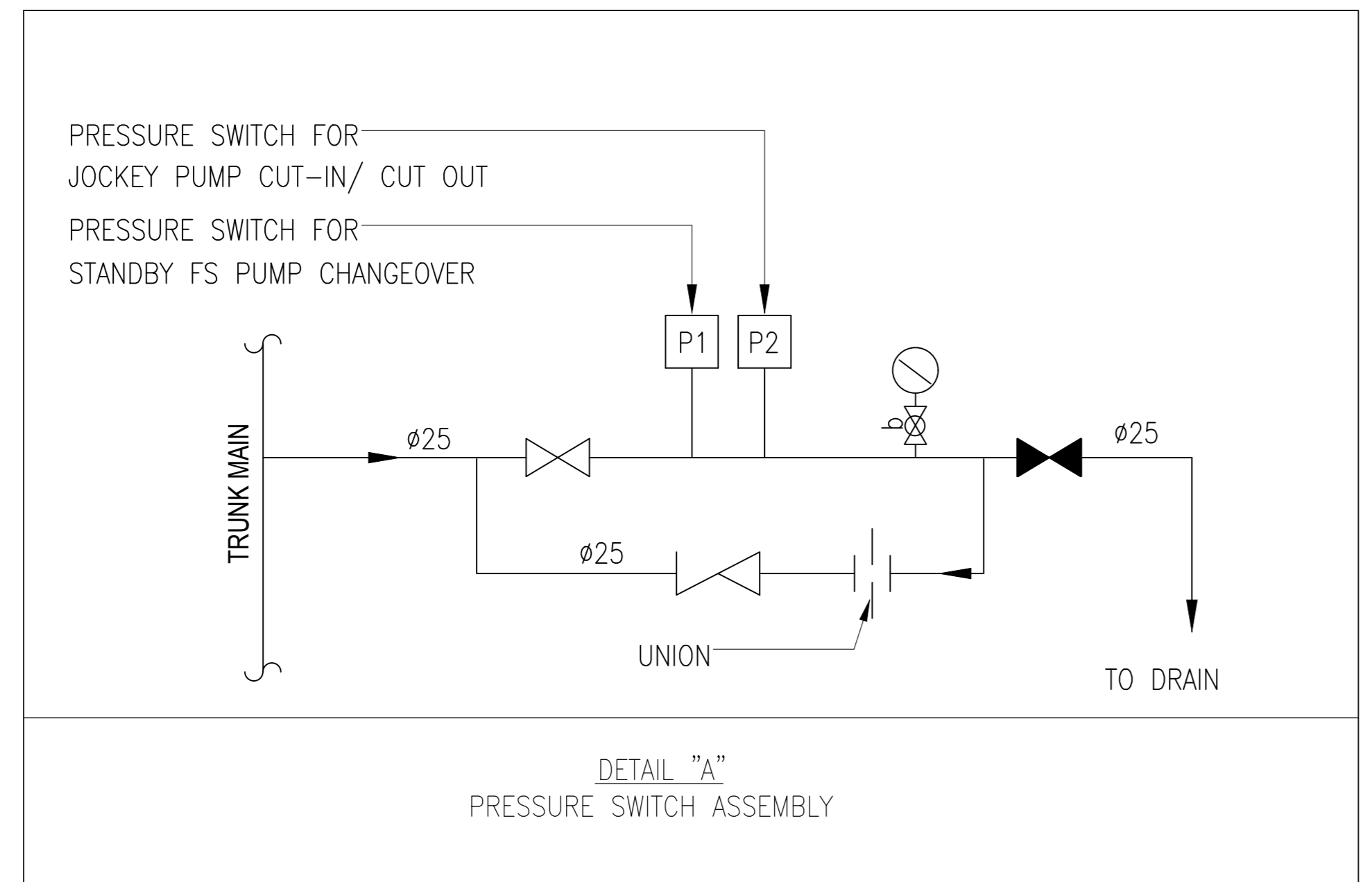
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JOB NO. 8788 DRAWING NO. 8788/FS/BB/001 REV. NO. 1

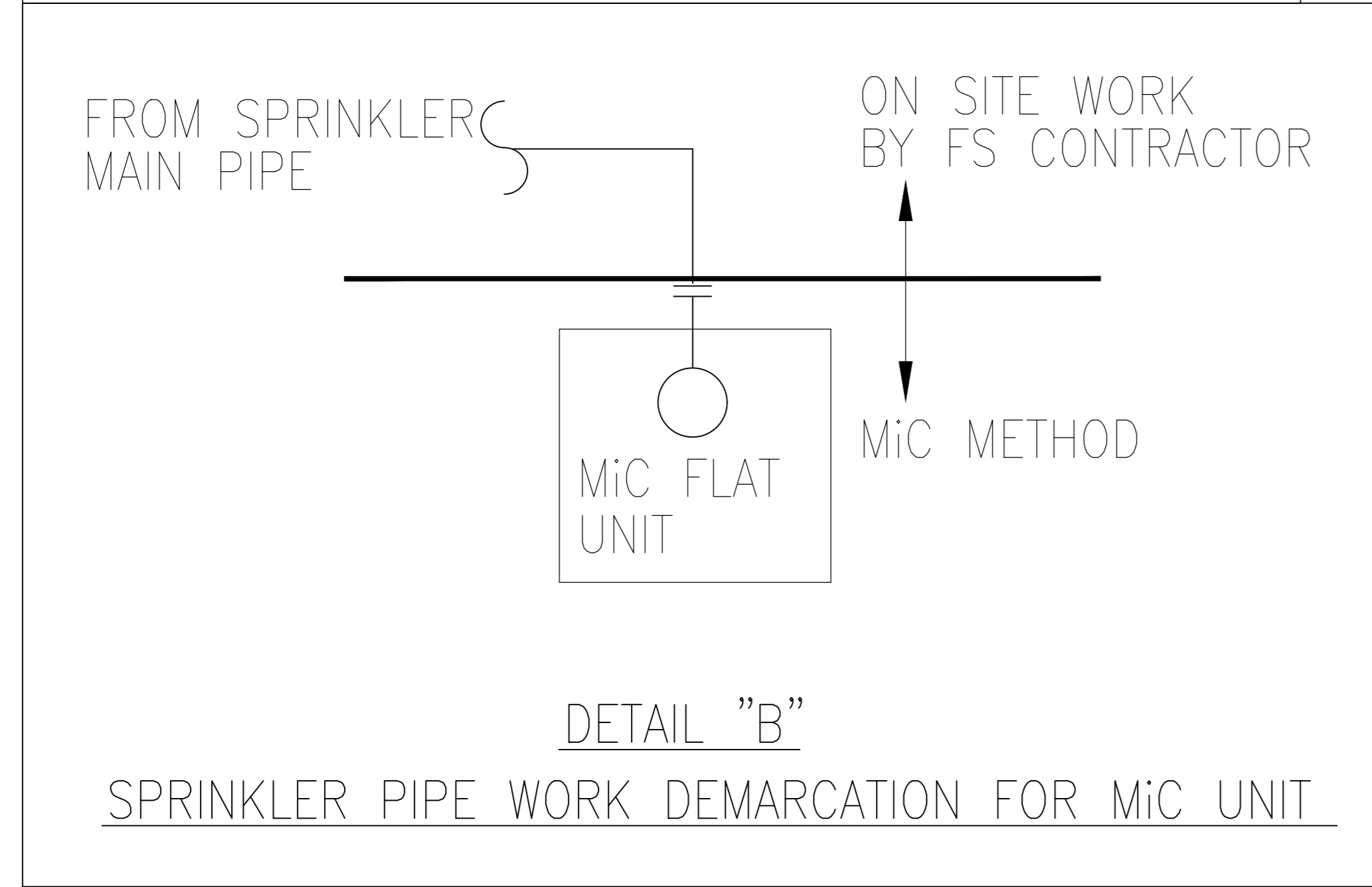
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DETAIL "C"  
SPRINKLER ALARM VALVE WITH PROVING PIPE & BYPASS ALARM VALVE



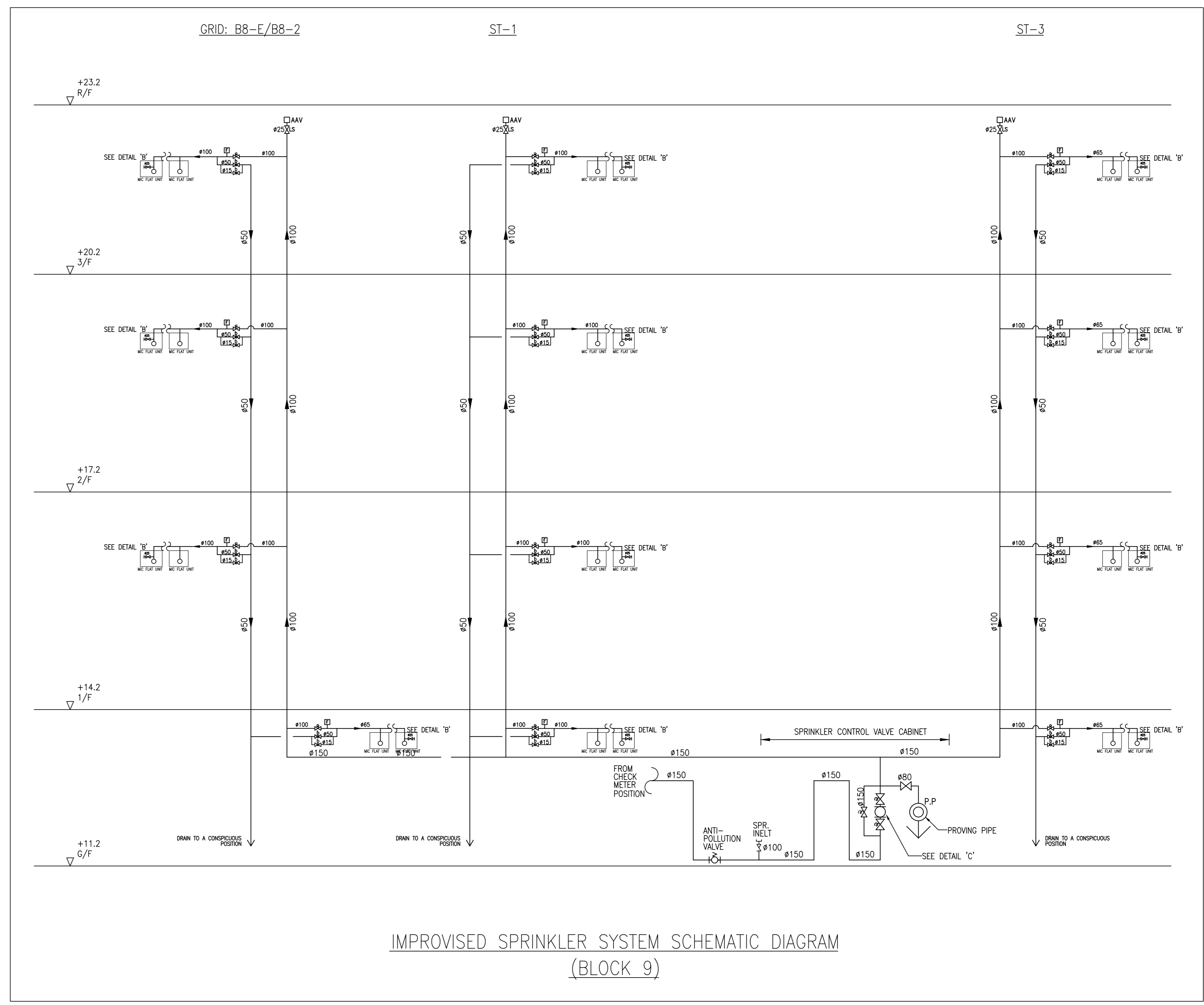
DETAIL "A"  
PRESSURE SWITCH ASSEMBLY



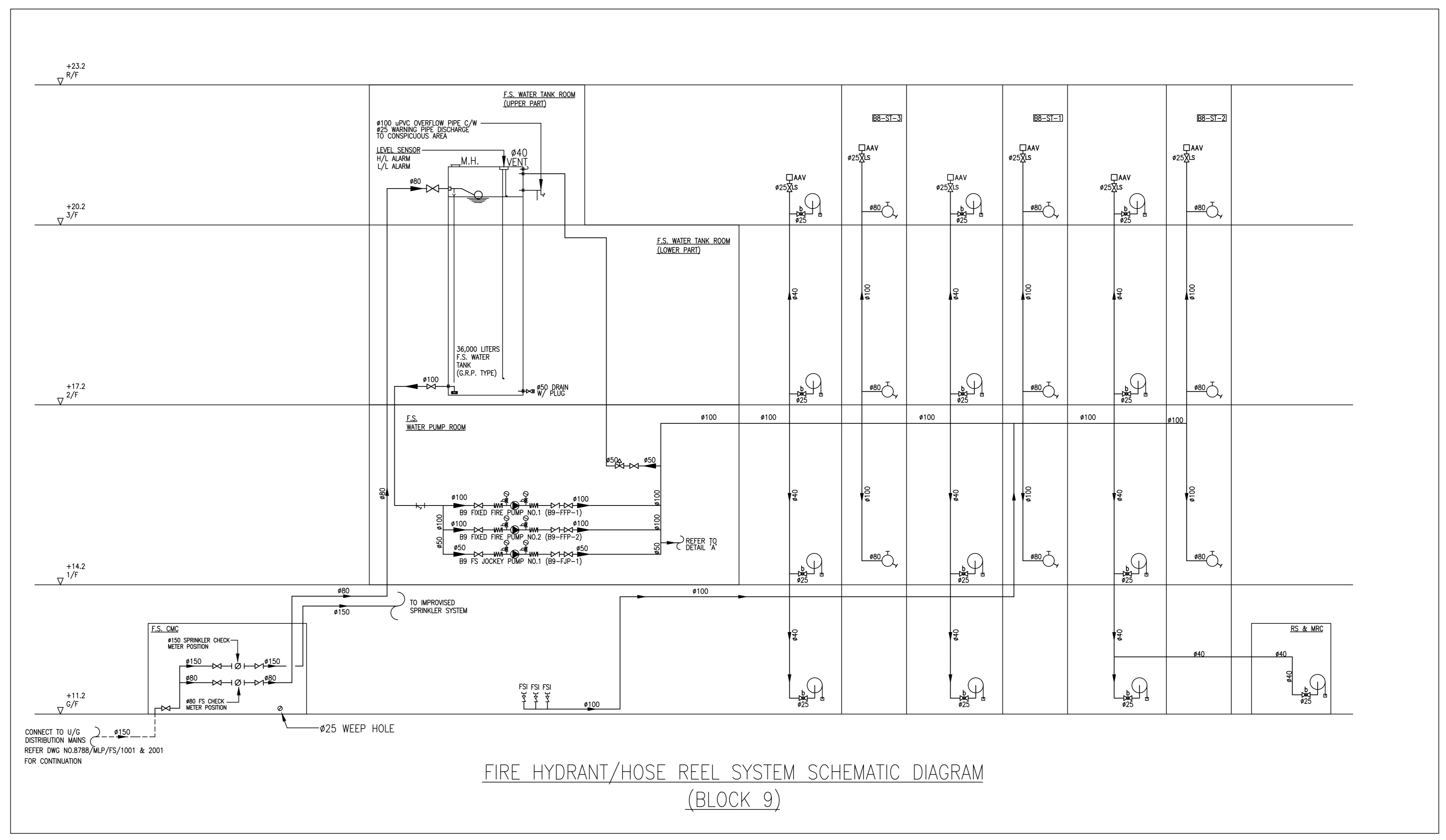
DETAIL "B"  
SPRINKLER PIPE WORK DEMARCATON FOR MiC UNIT

PUMP SCHEDULE

PUMP DESCRIPTION	PRESSURE (bar)	FLOW RATE (litres/min.)	PUMP TYPE	MOTOR POWER (kW)	EFFICIENCY (%)
FIXED FIRE PUMP	6.5	0	HORIZONTAL END SUCTION, CENTRIFUGAL, 2900 rpm	22.0	≥55
B9 FIXED FIRE PUMP NO.1 (B9-FFP-1) - DUTY	6	900			
B9 FIXED FIRE PUMP NO.2 (B9-FFP-2) - STANDBY					
FS JOCKEY PUMP	7.5	0	VERTICAL MULTI-STAGE CENTRIFUGAL, 2900 rpm	2.2	≥55
B9 FS JOCKEY PUMP NO.1 (B9-FJP-1)	7	30			



IMPROVED SPRINKLER SYSTEM SCHEMATIC DIAGRAM  
(BLOCK 9)



FIRE HYDRANT/HOSE REEL SYSTEM SCHEMATIC DIAGRAM  
(BLOCK 9)

B.D. REFERENCE NUMBER:

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漫信

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Alliance Contracting Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:  
Lee Yu Kee  
Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

TITLE:  
FIRE SERVICES - FH/HR AND SPRINKLER SYSTEM SCHEMATIC DIA. FOR BLOCK 9

DATE: 11/2022 SCALE: N.T.S.  
DRAWN: ( ) CHECKED: ( ) DESIGNED: ( ) REVIEWED: ( )  
JOB NO. DRAWING NO. REV. NO.  
32560 8788/FS/B9/001 1

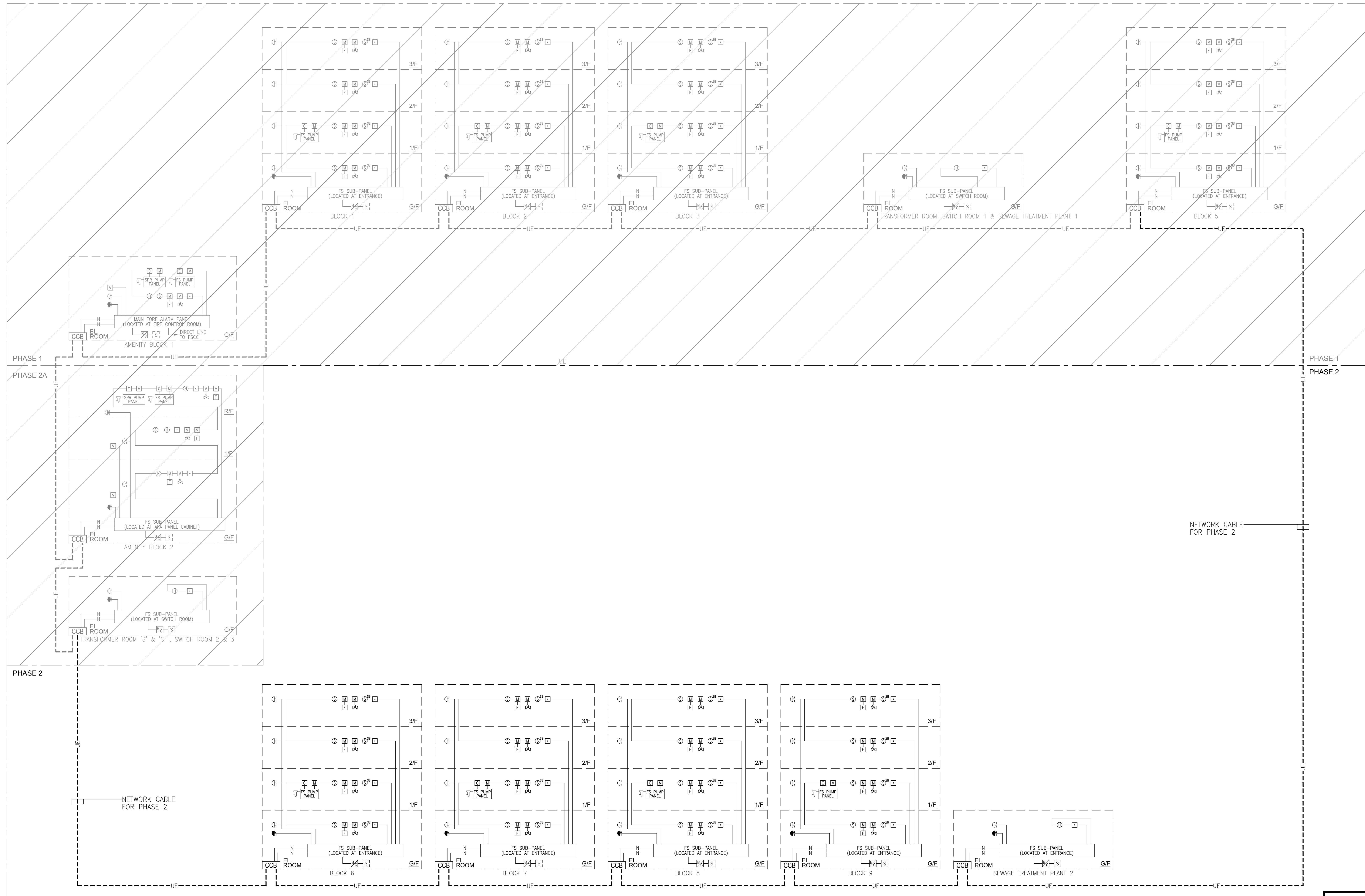
AS BUILT

LEGEND:

- |                    |                                      |        |                        |           |                   |
|--------------------|--------------------------------------|--------|------------------------|-----------|-------------------|
| (H)                | HEAT DETECTOR                        | (C)    | CONTROL MODULE         | (VAC)     | VAC CONTROL UNIT  |
| (S)                | SMOKE DETECTOR                       | (M)    | MONITORING MODULE      | (B&C)     | BATTERY & CHARGER |
| (S <sup>SB</sup> ) | SMOKE DETECTOR C/W SOUNDER BASE      | (SV)   | SUBSIDIARY VALVE       | (FSU)     | FUSED SPUR UNIT   |
| (G)                | BREAK GLASS UNIT (MANUAL CALL POINT) | (F)    | SPR FLOW SWITCH        | (CCB)     | CABLE CHANGE BOX  |
| (A)                | FIRE ALARM BELL                      | (LS)   | LEVEL SWITCH           | (---UE--- | U/G NETWORK CABLE |
| (MAB)              | MASTER FIRE ALARM BELL               | (VFAU) | VISUAL FIRE ALARM UNIT |           |                   |

REMARK:

1. ALL FIRE DETECTOR, MANUAL CALL POINT AND CONTROL/MONITORING MODULE ARE C/W BUILT-IN FAULT ISOLATOR.



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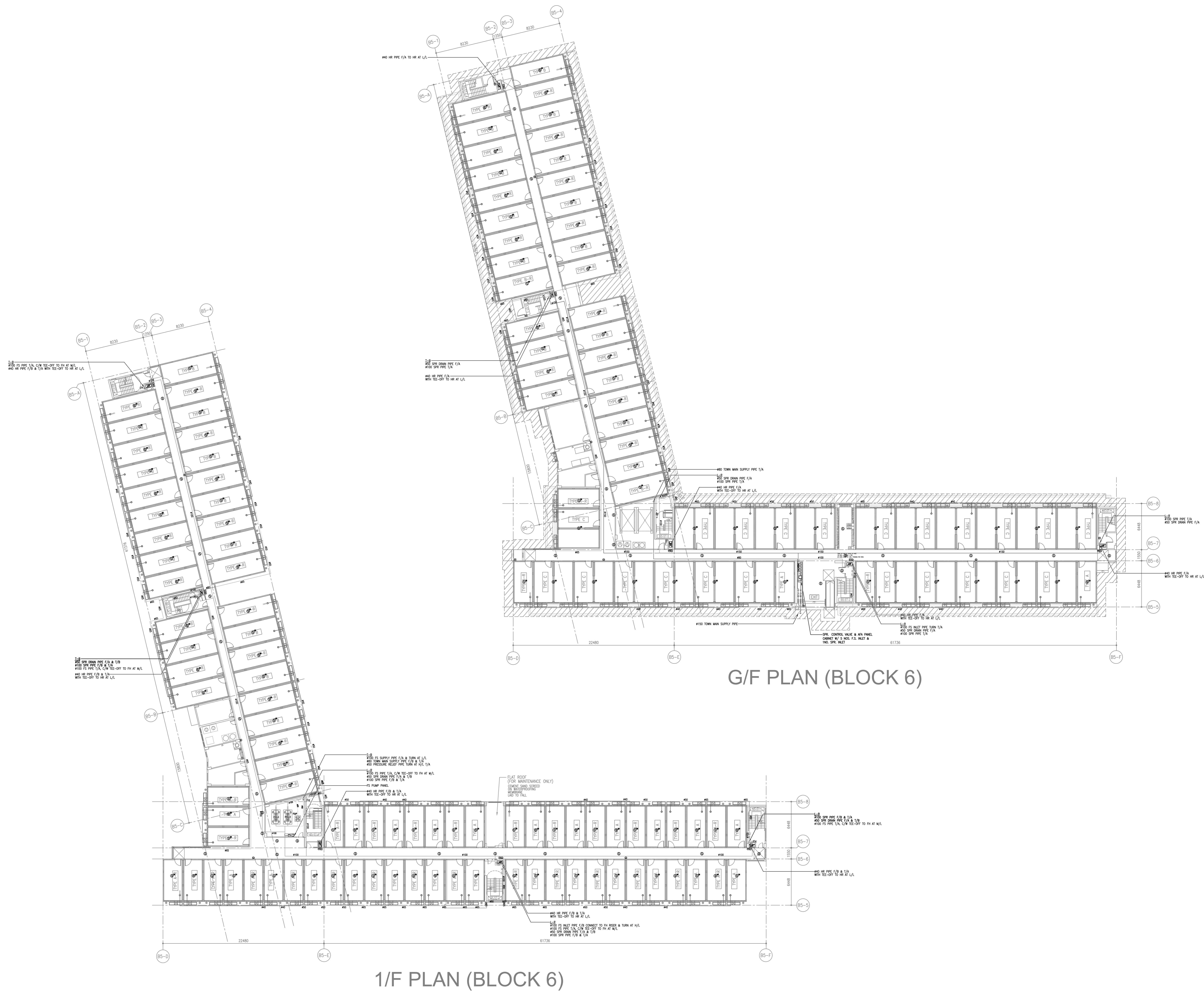
FIRE SERVICES SUB-CONTRACTOR:  
Lee Yu Kee  
Fire Protect

PROJECT:  
TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

TITLE:  
FIRE SERVICES -  
AUTOMATIC & MANUAL  
FIRE ALARM SYSTEM  
SCHEMATIC DIAGRAM  
AT BLOCK 6, 7, 8, 9 &  
SEWAGE TREATMENT PLANT 2  
(PHASE 2)

DATE	SCALE	N.T.S.
10/2022		

JOB NO.	DRAWING NO.	REV. NO.
32560	KHW/FS/P2/F0-13	0



G/F PLAN (BLOCK 6)

1/F PLAN (BLOCK 6)

S.D. REFERENCE NUMBER:

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Pik O Hospital

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AUTHORIZED PERSON:  
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DESIGN & BUILD ARCHITECT:  
 馬海  
馬海 (建築顧問) 有限公司  
Spence Robinson Limited

DESIGN & BUILD  
GEOTECHNICAL ENGINEERING CONSULTANT:  
 WONG & CHENG  
CONSULTING ENGINEERS LIMITED  
黃鄭顧問工程師有限公司

DESIGN & BUILD M/E CONSULTANT:  
 張耀新建築工程師有限公司  
Wilson & Associates Ltd

DESIGN & BUILD  
M&E ENGINEER CONSULTANT:  
 JRP  
凌信

BUILDING SERVICES SUB-CONTRACTOR:  
 AEG  
AEG Corporation Co., Ltd.

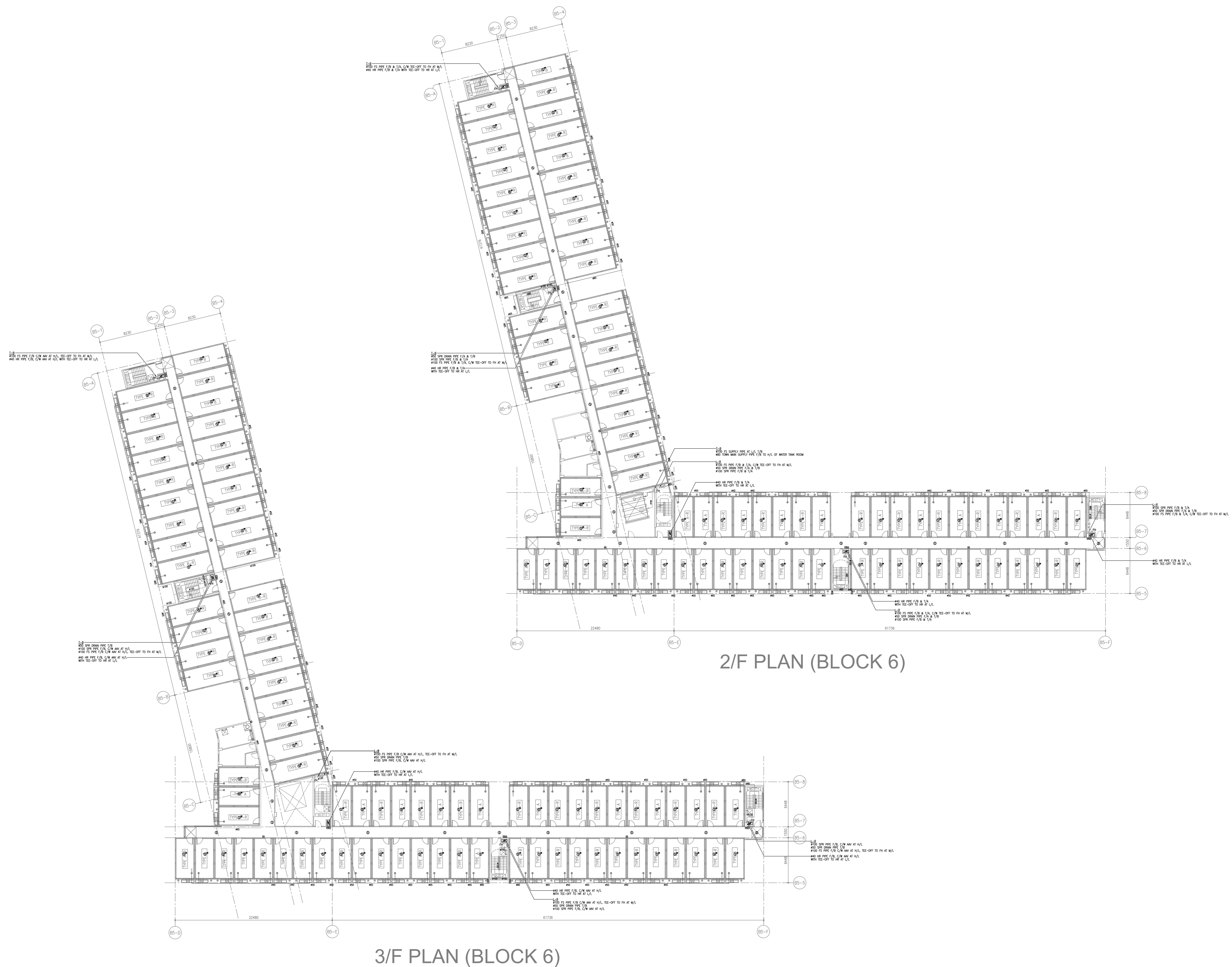
FIRE SERVICES SUB-CONTRACTOR:  
 Lee Yu Kee  
Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

TITLE:  
FIRE SERVICES LAYOUT  
PLAN FOR BLOCK 6  
(SHEET 1 OF 2)

DATE	10/2022	SCALE	1:200@A0
DRAWN	(v.v.)	CHECKED	(j.j.)
JOB NO.	32560	DRAWING NO.	KHW/FS/F1-07
REV. NO.		REV. NO.	1

AS BUILT



2/F PLAN (BLOCK 6)

3/F PLAN (BLOCK 6)

B.D. REFERENCE NUMBER:

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NO.	DATE	REVISIONS	APPROVED BY	DATE

CLIENT:  
 博愛醫院  
 PCK Hospital

CLIENT:  
 HENDERSON LAND DEVELOPMENT COMPANY LIMITED

PROJECT ARCHITECT/  
 AUTHORIZED PERSON:

WONG TUNG & PARTNERS LIMITED  
 ARCHITECTS & PLANNERS  
 18/F, 14 Tsimsho Street, Tsimsho Street, Hong Kong  
 T 852-2603 9888 F 852-2613 1728 www.wongtung.com

PROJECT STRUCTURAL/  
 GEOTECHNICAL AND CIVIL ENGINEER:

QUANTITY SURVEYOR:

PLANNING CONSULTANT:

LANDSCAPE CONSULTANT:

TRAFFIC CONSULTANT:  
 志達顧問有限公司  
 CTA Consultants Limited

LAND SUPPLY/MUNICIPAL CONSULTANT:

DESIGN & BUILD CONTRACTOR:  
 聯力建築有限公司  
 UNISTRESS BUILDING CONSTRUCTION LTD

DESIGN & BUILD ARCHITECT:  
 馬海 (建築顧問) 有限公司  
 Spence Robinson Limited

DESIGN & BUILD GEOTECHNICAL ENGINEERING CONSULTANT:  
 WONG CHENG  
 CONSULTING ENGINEERS LIMITED  
 黃鄭顧問工程師有限公司

DESIGN & BUILD MIC CONSULTANT:  
 張耀新建築工程師有限公司  
 Wilson & Associates Ltd

DESIGN & BUILD MAKE ENGINEER CONSULTANT:  
 JRP  
 達信

BUILDING SERVICES SUB-CONTRACTOR:  
 AE  
 Alliance Contracting Co., Ltd.

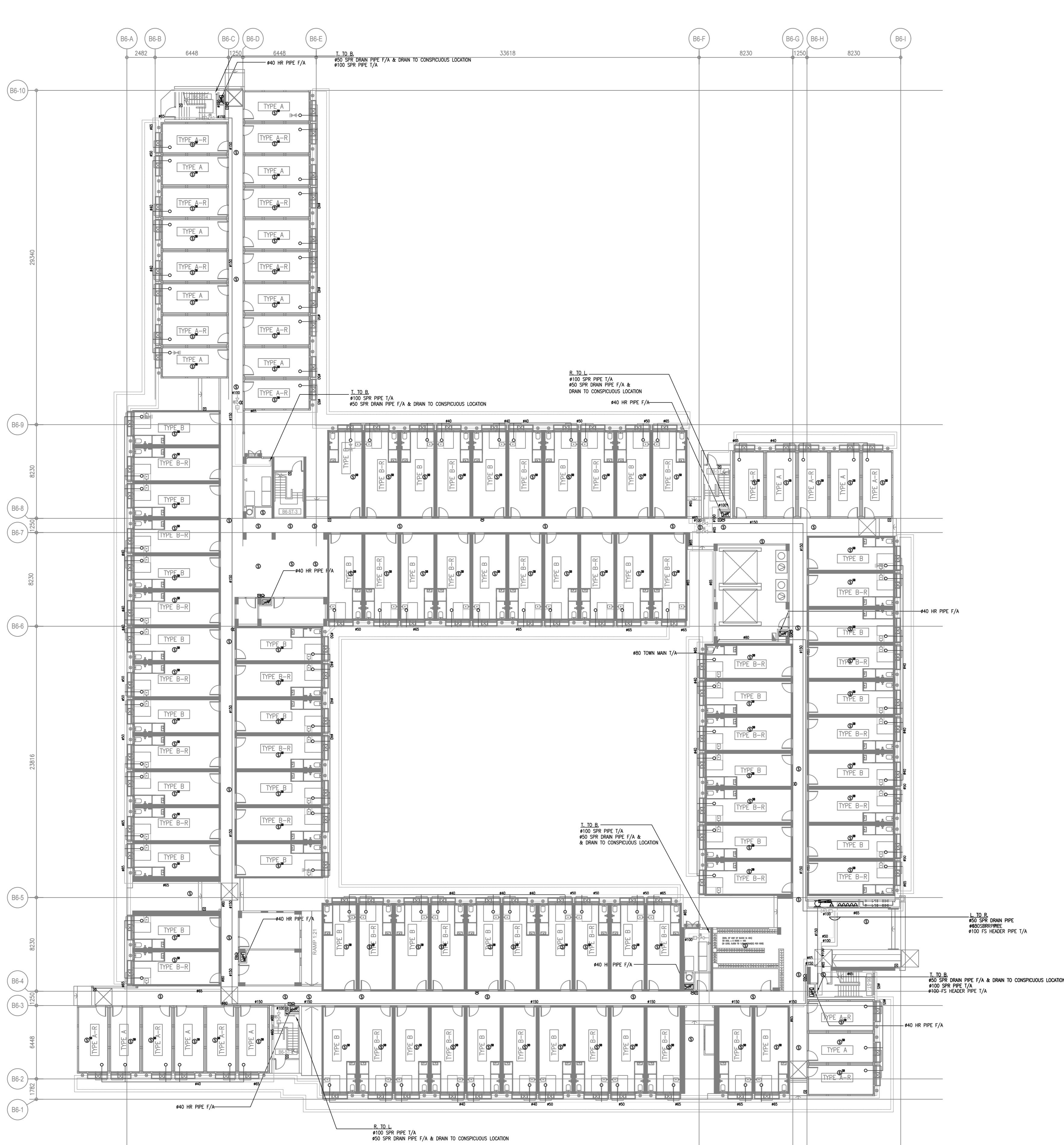
FIRE SERVICES SUB-CONTRACTOR:  
 Lee Yu Kee  
 Fire Protection Ltd.

PROJECT:  
 TRANSITIONAL HOUSING  
 DEVELOPMENT AT KONG  
 HA WAI, KAM TIN

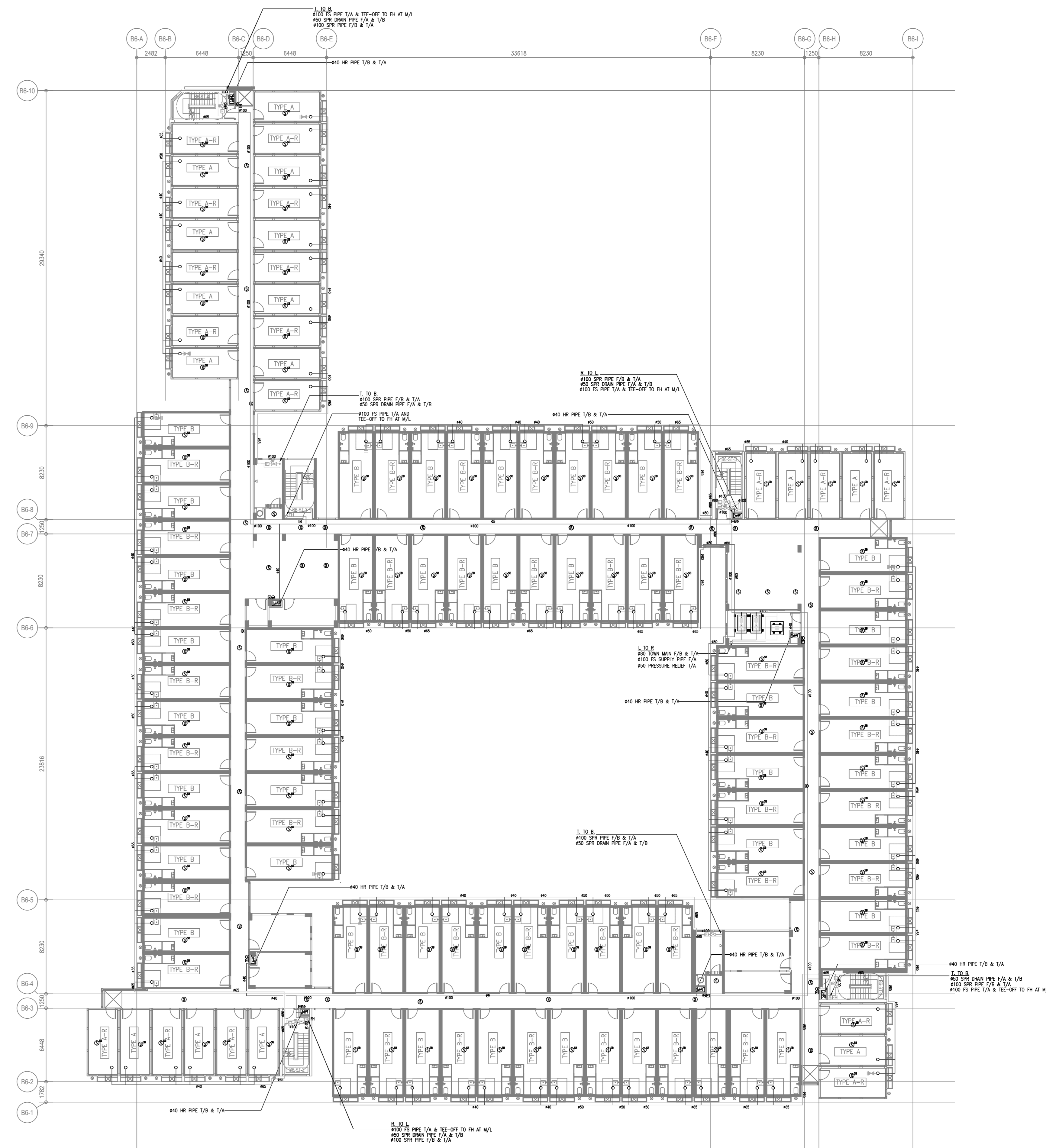
TITLE:  
 FIRE SERVICES LAYOUT  
 PLAN FOR BLOCK 6  
 (SHEET 2 OF 2)

DATE:	10/2022	SCALE:	1:200/BA0
DRAWN:	L.V.	CHECKED:	L.V.
DESIGNED:	L.V.	REVIEWED:	L.V.
JOB NO.:	32560	DRAWING NO.:	KHW/FS/F1-08
REV. NO.:	1		

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G/F (BLOCK 7)



1/F (BLOCK 7)

**B.D. REFERENCE NUMBER:**

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1	11/22	AS BUILT			
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NO.	DATE	REVISIONS			

**CLIENT:**  
博愛醫院  
Pok Oi Hospital

**CLIENT:**  
發展商  
HENDERSON LAND DEVELOPMENT COMPANY LIMITED

**PROJECT ARCHITECT/  
AUTHORIZED PERSON:**  
WT  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS  
14 Taiwoo Wan Road, Taiwoo Shing, Hong Kong  
T 852-2600 8888 F 852-2613 1728 www.wongtung.com

**PROJECT STRUCTURAL/  
GEOTECHNICAL AND CIVIL ENGINEER:**  
aurecon

**QUANTITY SURVEYOR:**  
ARCADIS

**PLANNING CONSULTANT:**  
TOWNLAND

**LANDSCAPE CONSULTANT:**  
Otherland  
Landscape | Planning | Urban Design

**TRAFFIC CONSULTANT:**  
志達顧問有限公司  
CTA Consultants Limited

**LAND SUPPLY/MUNICIPAL CONSULTANT:**  
AECOM

**DESIGN & BUILD CONTRACTOR:**  
力達建築有限公司  
UNITESS BUILDING CONSTRUCTION LTD.

**DESIGN & BUILD ARCHITECT:**  
馬海  
馬海 (建築顧問) 有限公司  
Spence Robinson Limited

**DESIGN & BUILD  
GEOTECHNICAL ENGINEERING CONSULTANT:**  
WONG CHENG  
CONSULTING ENGINEERS LIMITED  
黃錦輝建築工程師有限公司

**DESIGN & BUILD M/C CONSULTANT:**  
張耀新建築工程師有限公司  
Wilson & Associates Ltd

**DESIGN & BUILD  
M&E ENGINEER CONSULTANT:**  
JRP  
廣信

**BUILDING SERVICES SUB-CONTRACTOR:**  
AE  
Allstate Contracting Co., Ltd.

**FIRE SERVICES SUB-CONTRACTOR:**  
Lee Yu Kee  
Fire Protection Ltd.

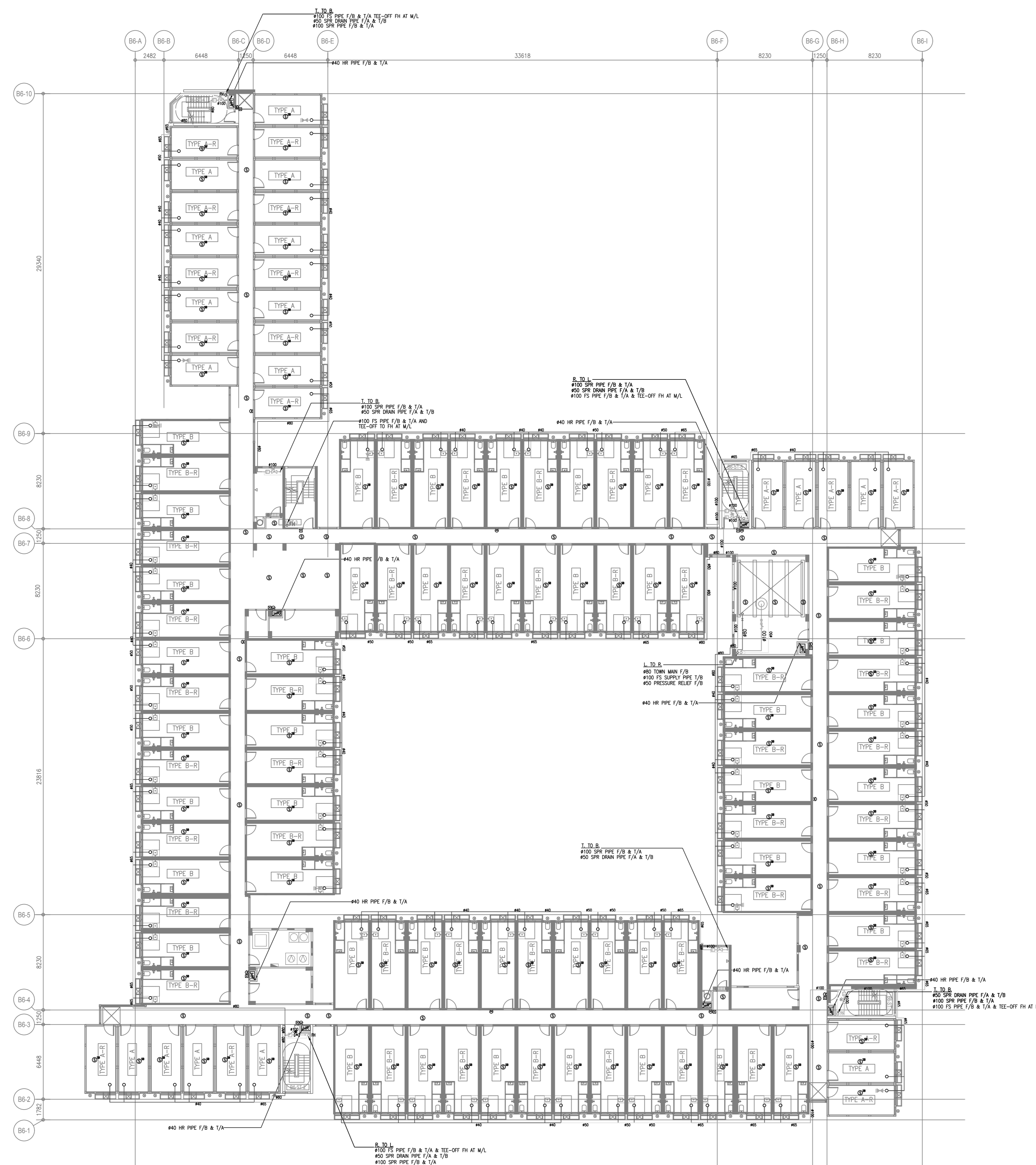
**PROJECT:**  
TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

**TITLE:**  
FIRE SERVICES LAYOUT  
PLAN FOR BLOCK 7  
(SHEET 1 OF 2)

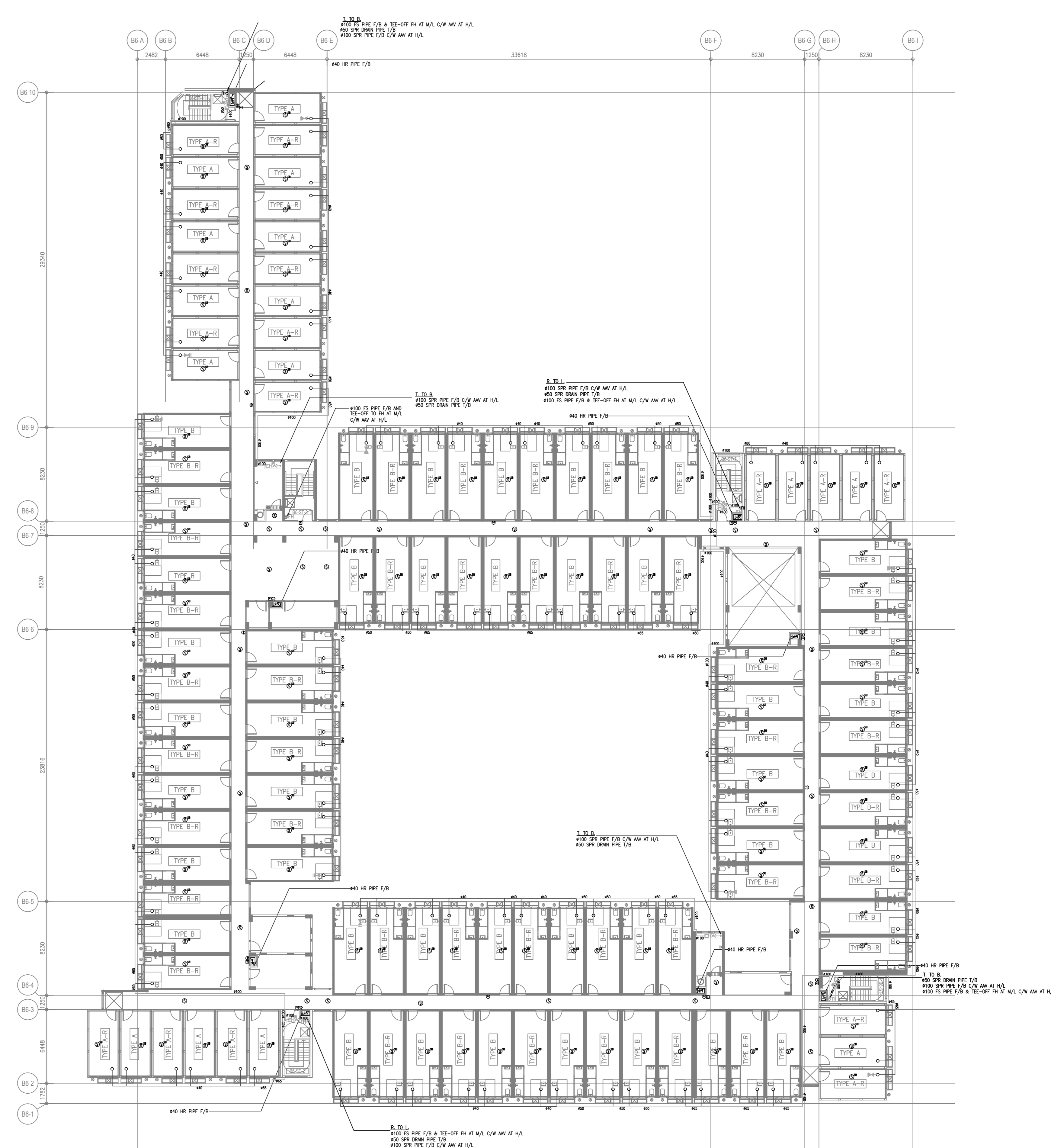
**DATE:** 10/2022 **SCALE:** 1:200@A0

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
(Signature)	(Signature)	(Signature)	(Signature)
JOB NO.:	DRAWING NO.:	REV. NO.:	
32560	KHW/FS/F1-09	1	

AS BUILT



2/F (BLOCK 7)



3/F (BLOCK 7)

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	10/22	FS 314 SUBMISSION		
NO.	DATE	REVISIONS	BY	CHKD

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博愛醫院  
Pak Oi Hospital

**CLIENT:**  
恒基兆業地產有限公司  
HENDERSON LAND DEVELOPMENT COMPANY LIMITED

**PROJECT ARCHITECT / AUTHORIZED PERSON:**  
WT

**WONG TUNG & PARTNERS LIMITED**  
ARCHITECTS & PLANNERS  
15/F, 14 Tsimsho Street, Tsimsho Street, Hong Kong  
T 852-2863 8888 F 852-2513 1728 www.wongtung.com

**PROJECT STRUCTURAL / GEOTECHNICAL AND CIVIL ENGINEER:**  
aurecon

**QUANTITY SURVEYOR:**  
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**PLANNING CONSULTANT:**  
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**LANDSCAPE CONSULTANT:**  
Otherland  
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**TRAFFIC CONSULTANT:**  
志達顧問有限公司  
CTA Consultants Limited

**LAND SUPPLY/MUNICIPAL CONSULTANT:**  
AECOM

**DESIGN & BUILD CONTRACTOR:**  
聯力建築有限公司  
UNITESS BUILDING CONSTRUCTION LTD.

**DESIGN & BUILD ARCHITECT:**  
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Spence Robinson Limited

**DESIGN & BUILD GEOTECHNICAL ENGINEERING CONSULTANT:**  
WONG CHENG  
CONSULTING ENGINEERS LIMITED  
黃鄭耀剛工程師有限公司

**DESIGN & BUILD M/E CONSULTANT:**  
張耀新建築工程師有限公司  
Wilson & Associates Ltd

**DESIGN & BUILD M/E ENGINEER CONSULTANT:**  
JRP 達信

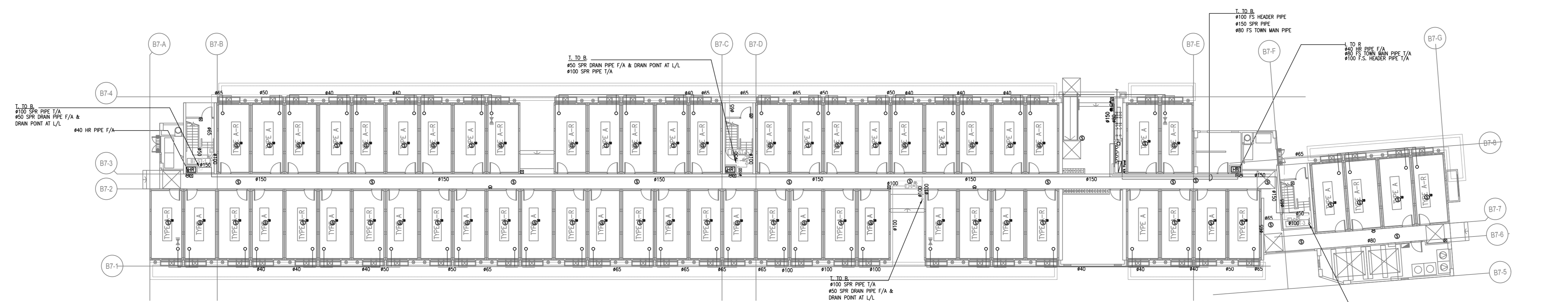
**BUILDING SERVICES SUB-CONTRACTOR:**  
AIE Alliance Contracting Co., Ltd.

**FIRE SERVICES SUB-CONTRACTOR:**  
Lee Yu Kee Fire Protection Ltd.

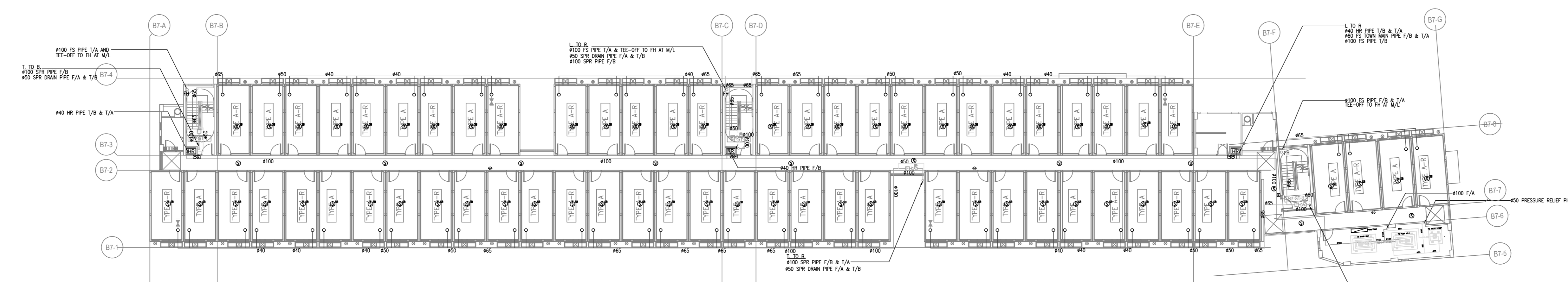
**PROJECT:**  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

**TITLE:**  
FIRE SERVICES LAYOUT PLAN FOR BLOCK 7 (SHEET 2 OF 2)

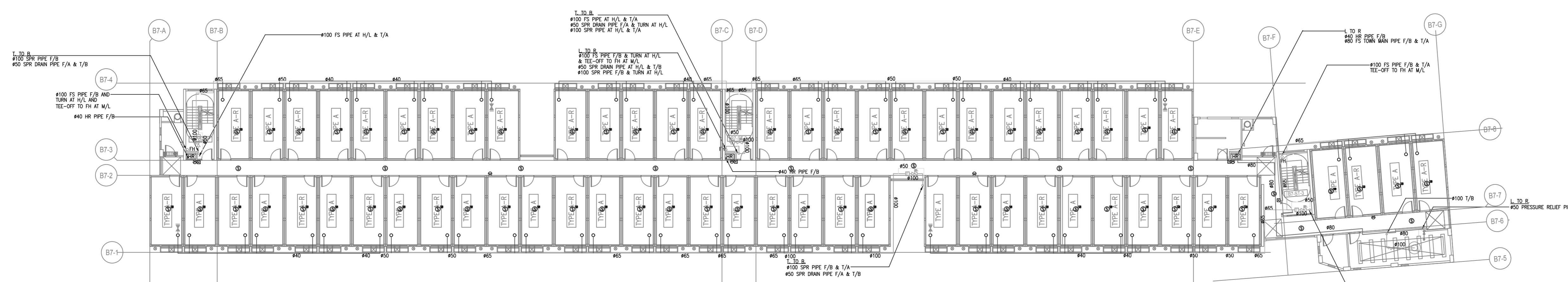
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DESIGNED:		REVIEWED:	
JOB NO.:	32560	DRAWING NO.:	KHW/FS/F1-10
REV. NO.:		REV. NO.:	1



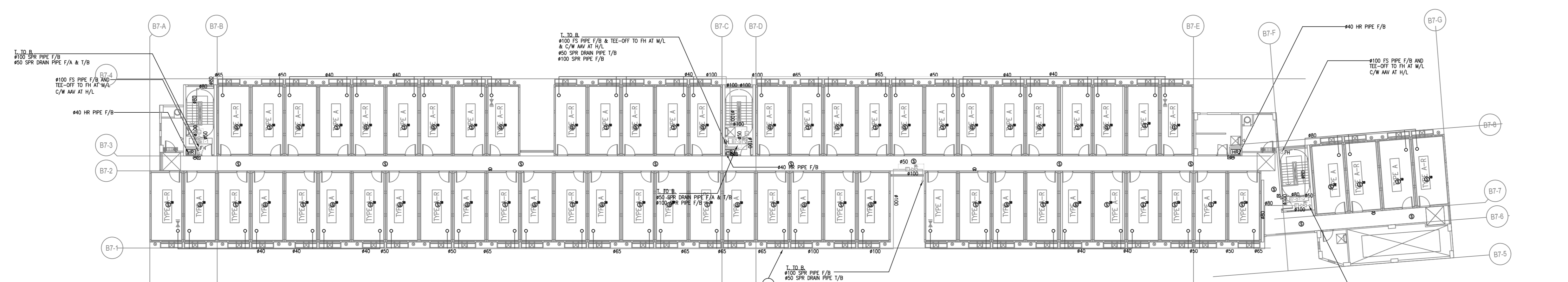
G/F (BLOCK 8)



1/F (BLOCK 8)



2/F (BLOCK 8)



3/F (BLOCK 8)

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**NO. DATE REVISIONS**

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 博愛醫院  
 Pok Oi Hospital

**CLIENT:**  
  
 恒基兆業地產有限公司  
 HENDERSON LAND DEVELOPMENT COMPANY LIMITED

**PROJECT ARCHITECT / AUTHORIZED PERSON:**  
  
 WONG TUNG & PARTNERS LIMITED  
 ARCHITECTS & PLANNERS  
 16/F, 14 Taijiao Wan Road, Taijiao Shing, Hong Kong  
 T: 852-2903 8888 F: 852-2913 1728 www.wongtung.com

**PROJECT STRUCTURAL / GEOTECHNICAL AND CIVIL ENGINEER:**  
  
 aurecon

**QUANTITY SURVEYOR:**  
  
 ARCADIS

**PLANNING CONSULTANT:**  
  
 TOWNLAND

**LANDSCAPE CONSULTANT:**  
  
 Otherland  
 Landscape | Planning | Urban Design

**TRAFFIC CONSULTANT:**  
  
 志達顧問有限公司  
 CTA Consultants Limited

**LAND SUPPLY/MUNICIPAL CONSULTANT:**  
  
 AECOM

**DESIGN & BUILD CONTRACTOR:**  
  
 博力建築有限公司  
 UNISTRUSS BUILDING CONSTRUCTION LTD.

**DESIGN & BUILD ARCHITECT:**  
  
 馬海 (建築顧問) 有限公司  
 Spence Robinson Limited

**DESIGN & BUILD GEOTECHNICAL ENGINEERING CONSULTANT:**  
  
 WONG & CHENG  
 CONSULTING ENGINEERS LIMITED  
 黃錦輝工程師有限公司

**DESIGN & BUILD M/C CONSULTANT:**  
 張耀新建築工程師有限公司  
 Wilson & Associates Ltd

**DESIGN & BUILD M&E ENGINEER CONSULTANT:**  
  
 JRP  
 漫信

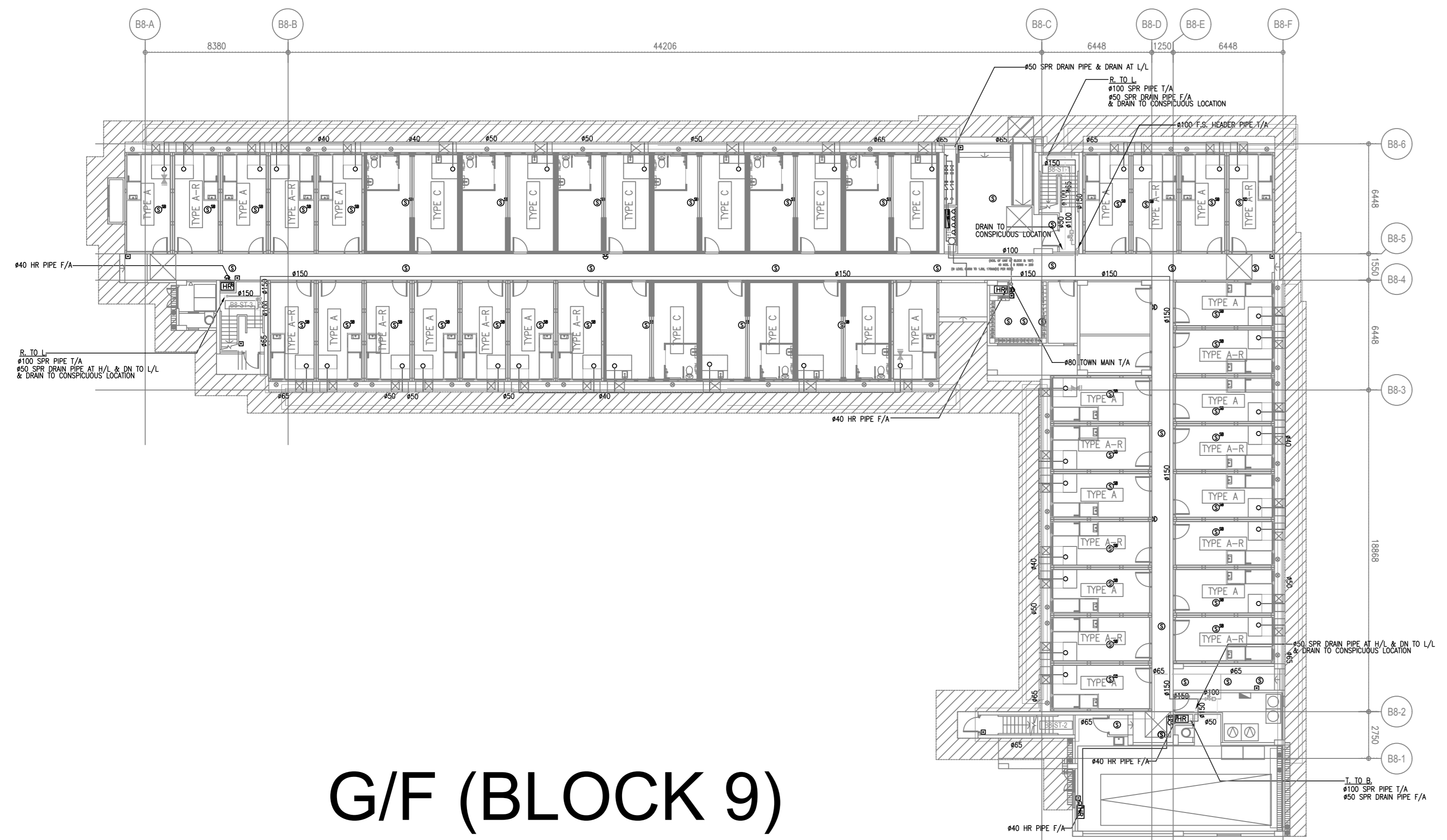
**BUILDING SERVICES SUB-CONTRACTOR:**  
  
 Alliance Contracting Co., Ltd.

**FIRE SERVICES SUB-CONTRACTOR:**  
  
 Lee Yu Kee  
 Fire Protection Ltd.

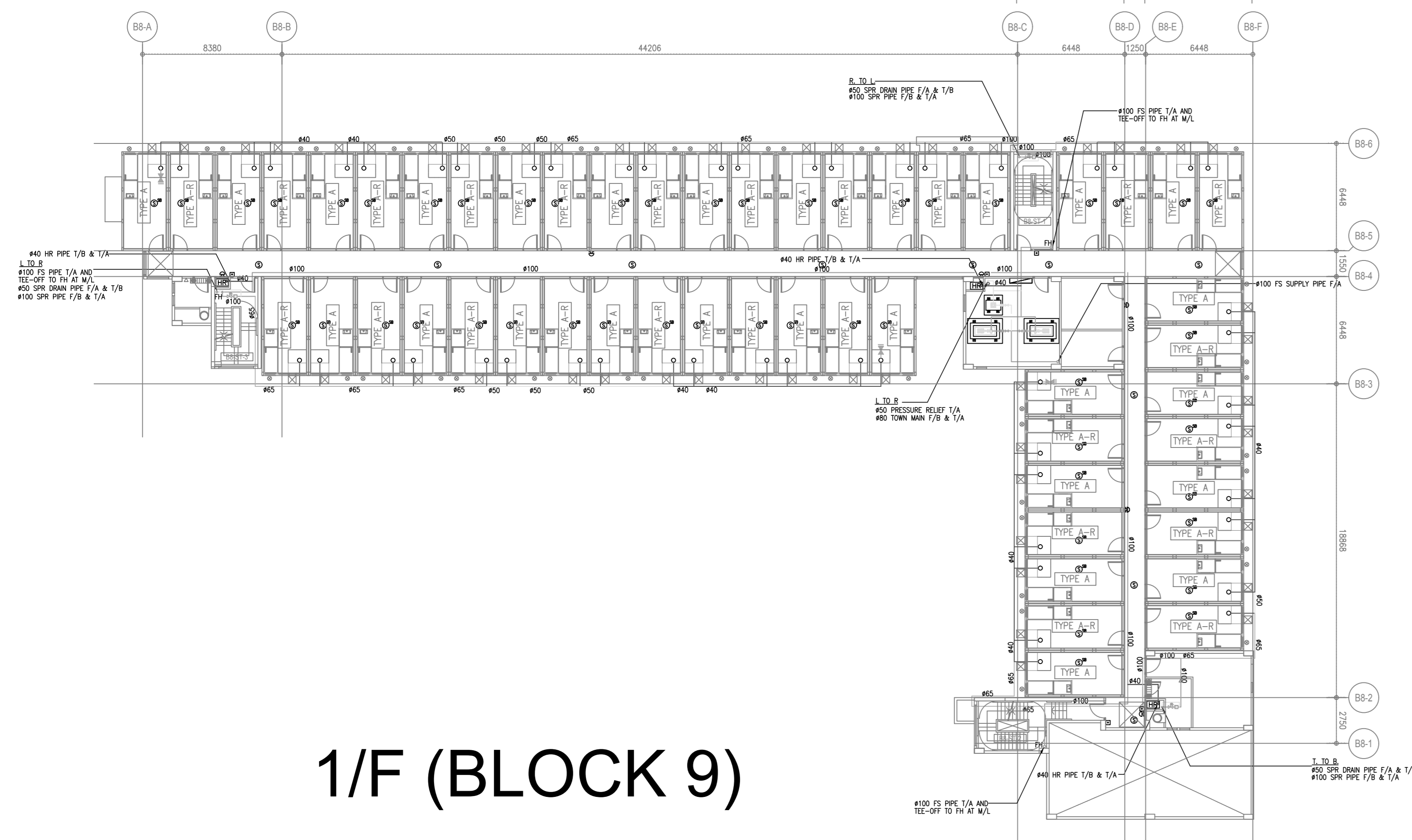
**PROJECT:**  
 TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

**TITLE:**  
 FIRE SERVICES LAYOUT PLAN FOR BLOCK 8

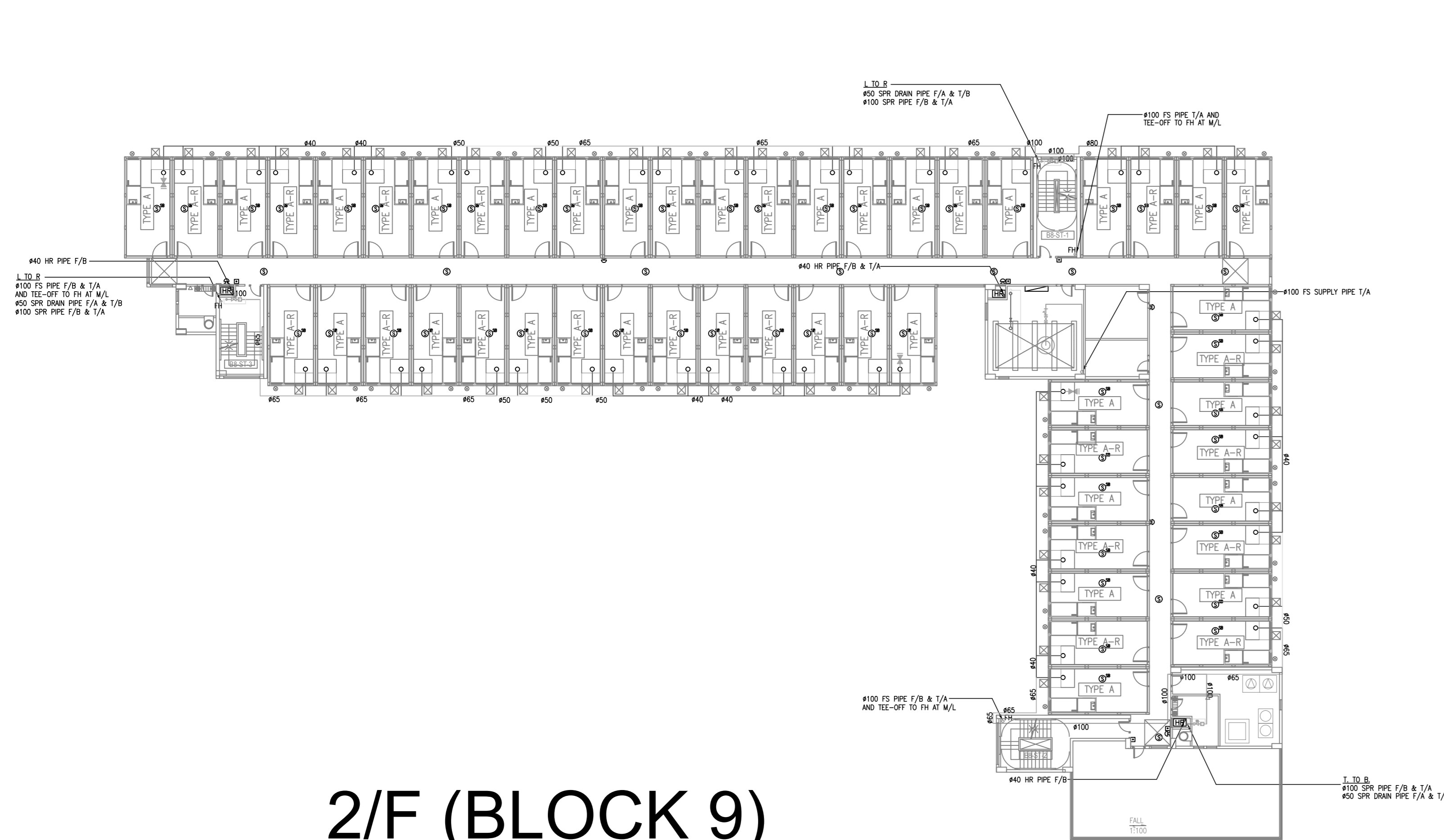
DATE:	10/2022	SCALE:	1:200@A0
DRAWN:	(x)	CHECKED:	(y)
JOB NO.:	32560	DRAWING NO.:	KHW/FS/F1-11
DESIGNED:	(z)	REVIEWED:	(w)
REV. NO.:	1		



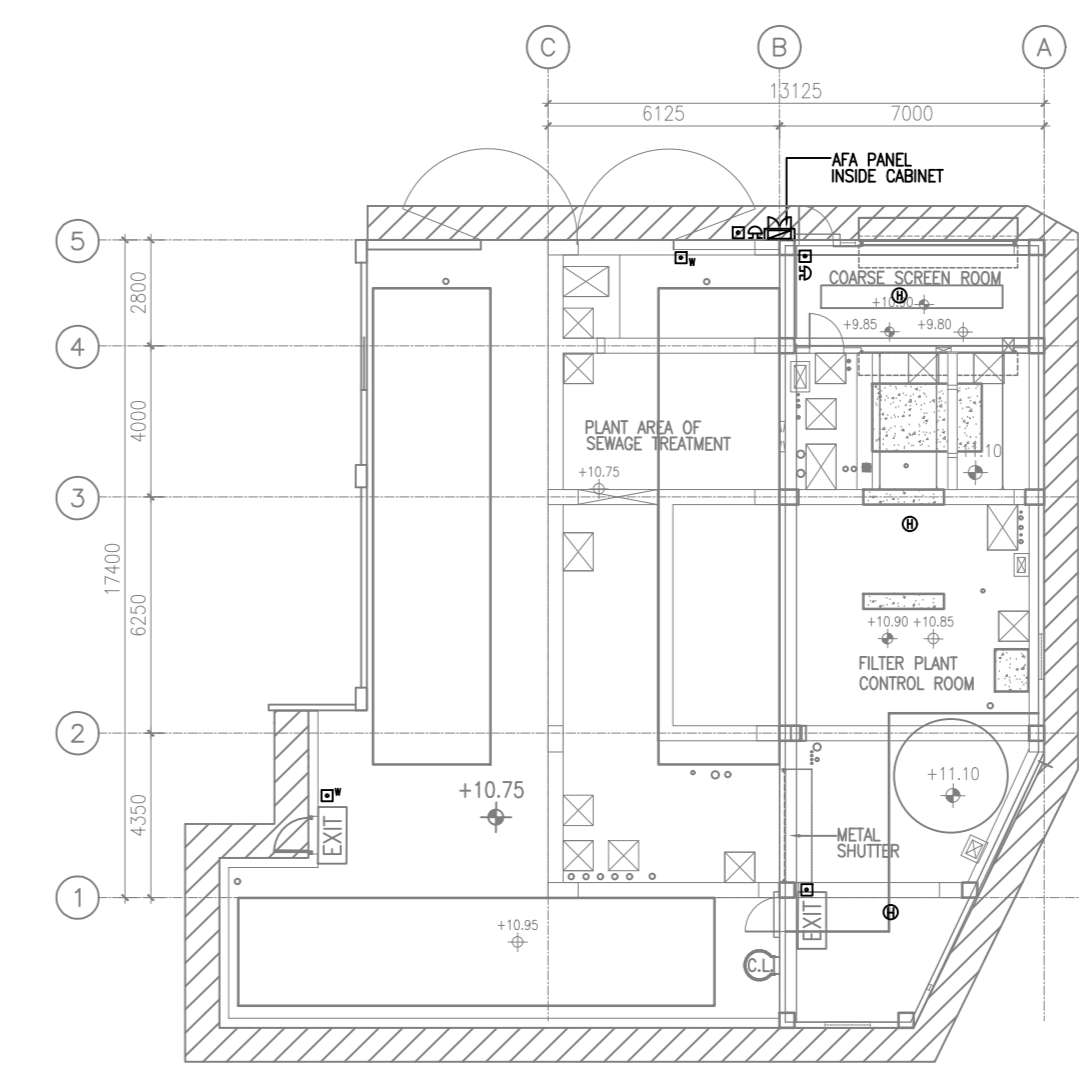
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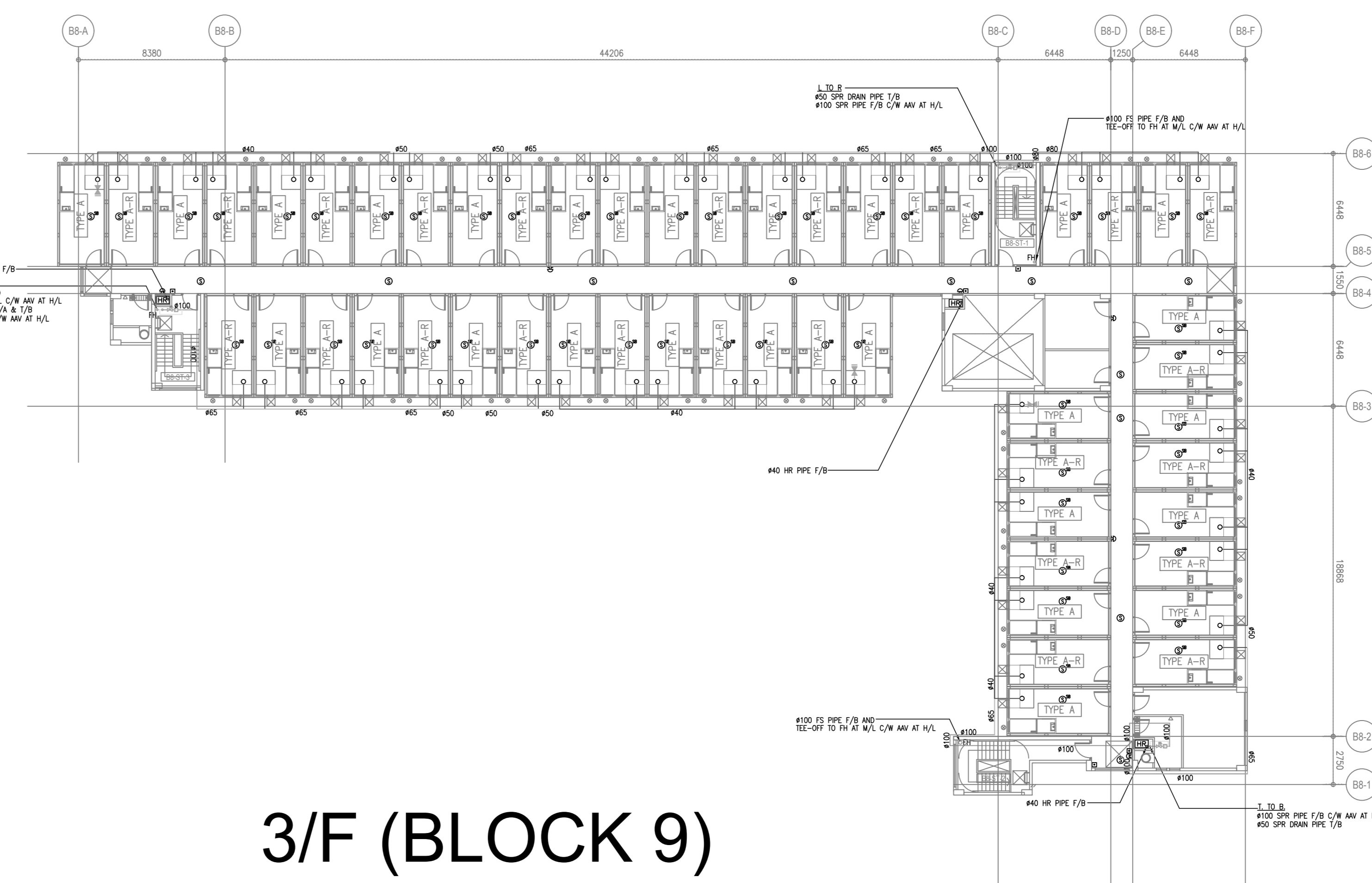
1/F (BLOCK 9)



2/F (BLOCK 9)



SEWAGE TREATMENT  
PLANT ROOM 2 (SCALE 1:200)

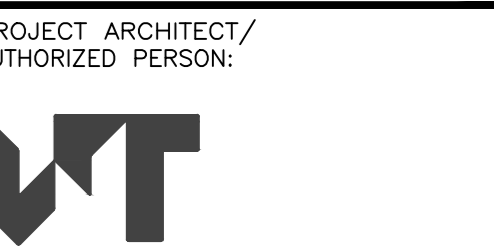


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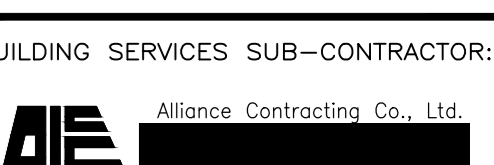
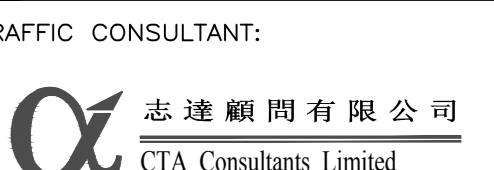
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17/F, 14 Taijoo Wan Road, Taijoo Shing, Hong Kong  
T 852-2900-8888 F 852-2113-1728 www.wongtung.com



PROJECT:  
TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

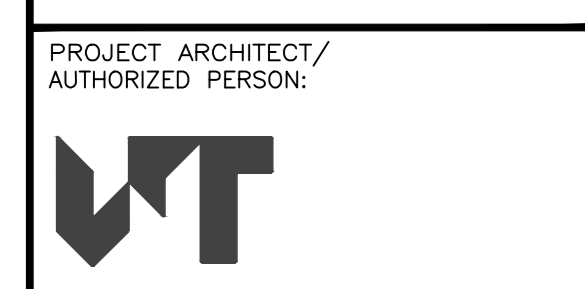
TITLE:  
FIRE SERVICES LAYOUT  
PLAN FOR BLOCK 9 &  
SEWAGE TREATMENT  
PLANT ROOM 2

DATE	SCALE	NO.	BY	CHECKED	APPROVED
10/2022	1:200@A0				

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16/F, 14 Taiwai Way Road, Taiwai Shing, Hong Kong  
T: 852-2863 8888 F: 852-2513 1728 www.wongtung.com

PROJECT STRUCTURAL/ M&E / GEOTECHNICAL AND CIVIL ENGINEER:  
**aurecon**

QUANTITY SURVEYOR:  
**ARCADIS**

PLANNING CONSULTANT:  
**TOWNLAND**

LANDSCAPE CONSULTANT:  
**Otherland**  
Landscape | Planning | Urban Design

TRAFFIC CONSULTANT:  
**CTA Consultants Limited**

LAND SUPPLY/MUNICIPAL CONSULTANT:  
**AECOM**

DESIGN & BUILD CONTRACTOR:  
**UNISTRESS BUILDING CONSTRUCTION LTD.**

DESIGN & BUILD ARCHITECT:  
**馬海 (建築顧問) 有限公司**  
Spence Robinson Limited

DESIGN & BUILD GEOTECHNICAL ENGINEERING CONSULTANT:  
**WONG CHENG CONSULTING ENGINEERS LIMITED**  
黃鄭耀興工程師有限公司

DESIGN & BUILD M/C CONSULTANT:  
**Wilson & Associates Ltd**

DESIGN & BUILD MAKE ENGINEER CONSULTANT:  
**JRP 渣信**

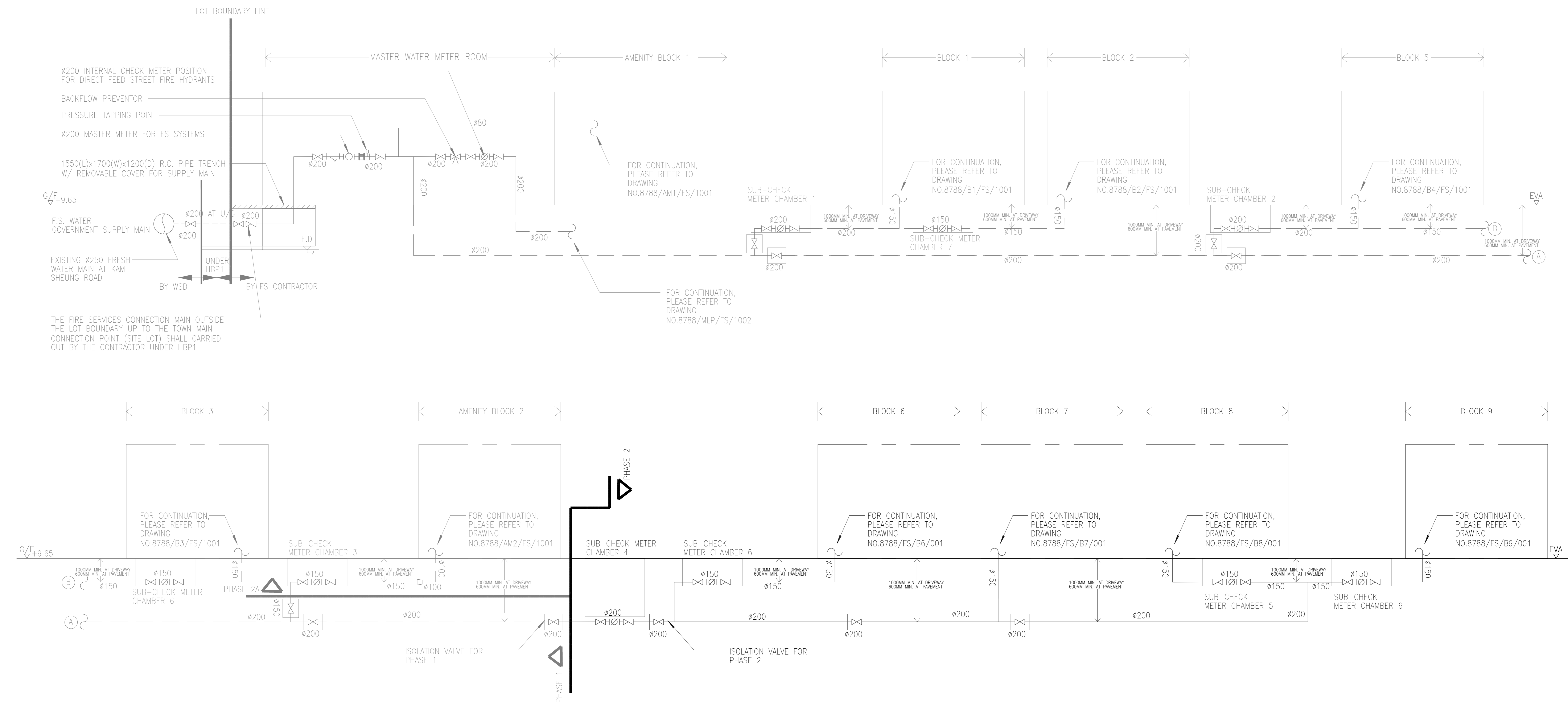
BUILDING SERVICES SUB-CONTRACTOR:  
**Alliance Contracting Co., Ltd.**

FIRE SERVICES SUB-CONTRACTOR:  
**Lee Yu Kee Fire Protection Ltd.**

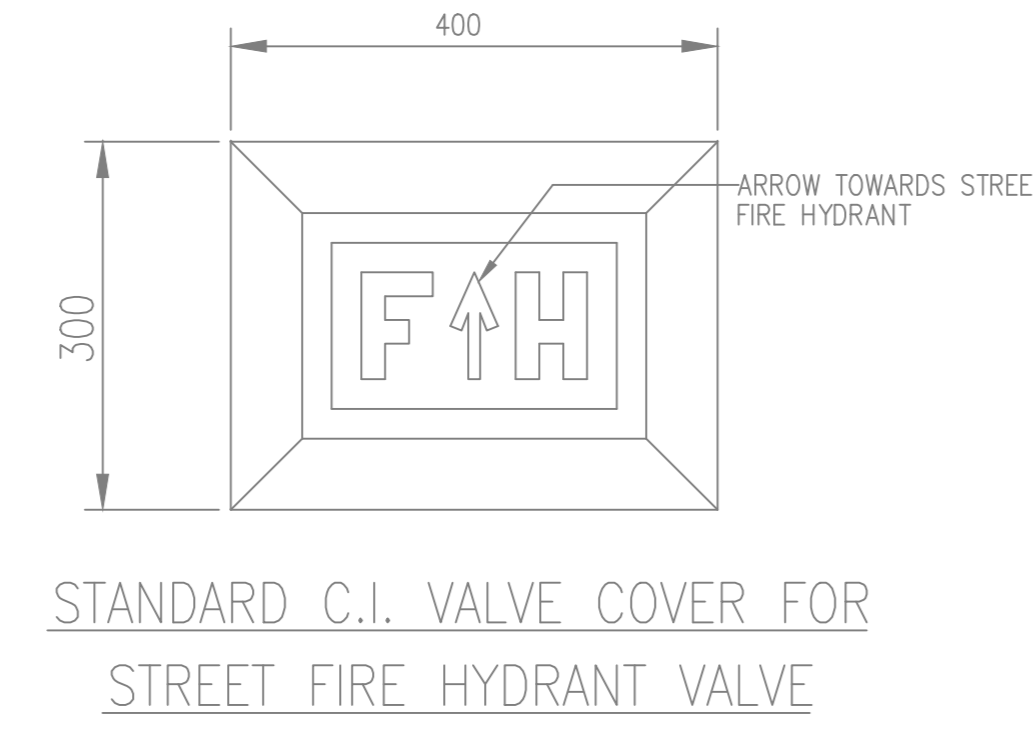
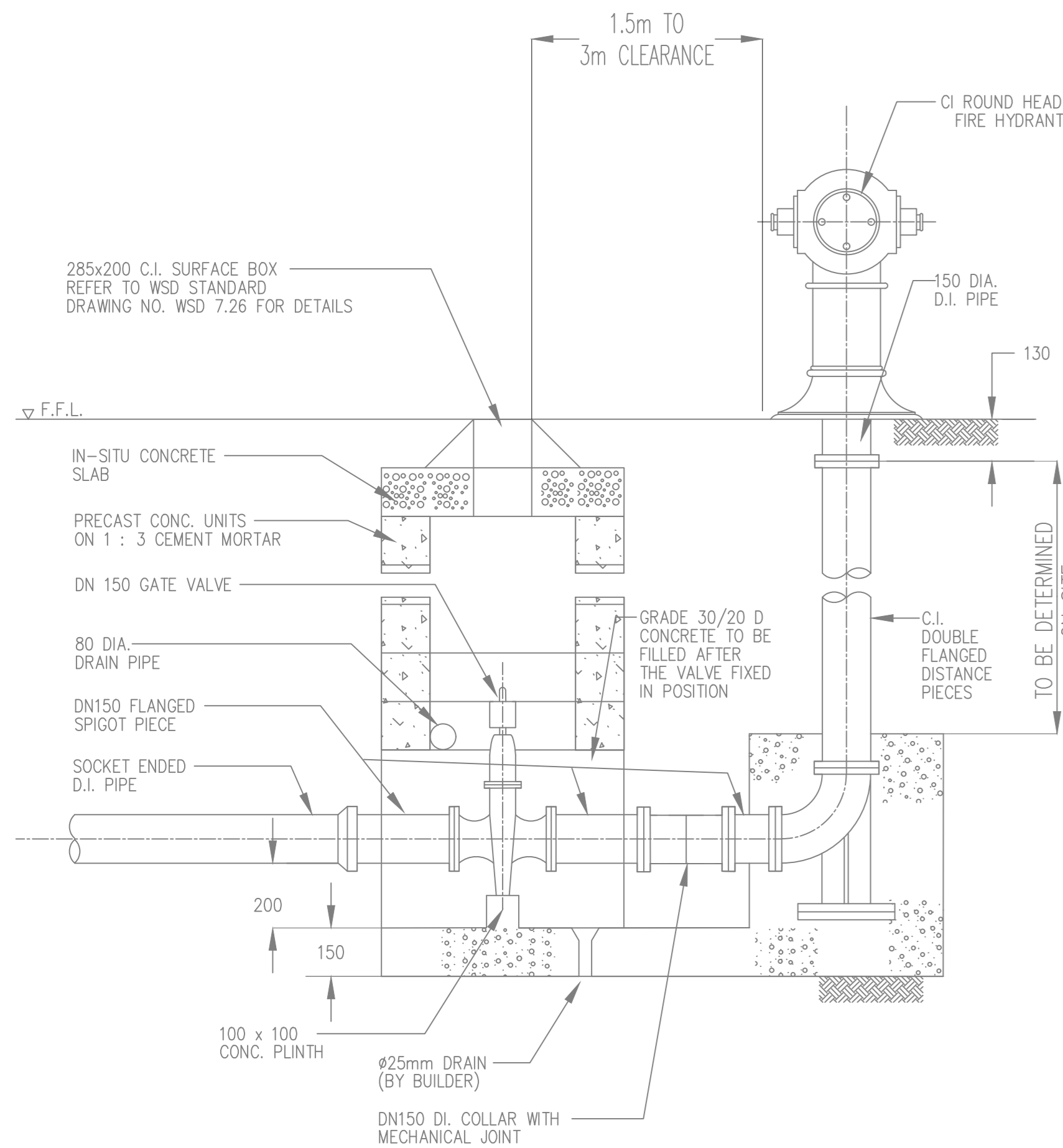
PROJECT:  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

TITLE:  
FIRE SERVICES - FS WATER SUPPLY SCHEMATIC DIAGRAM (PHASE 2)

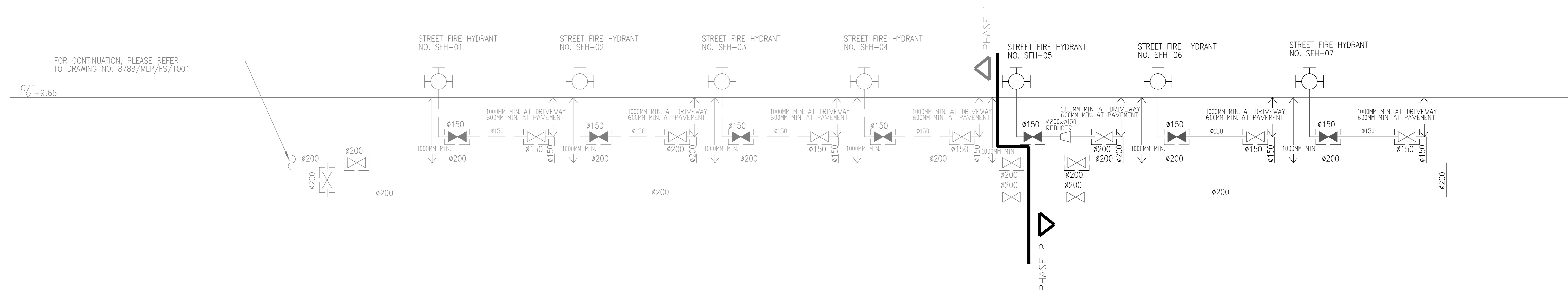
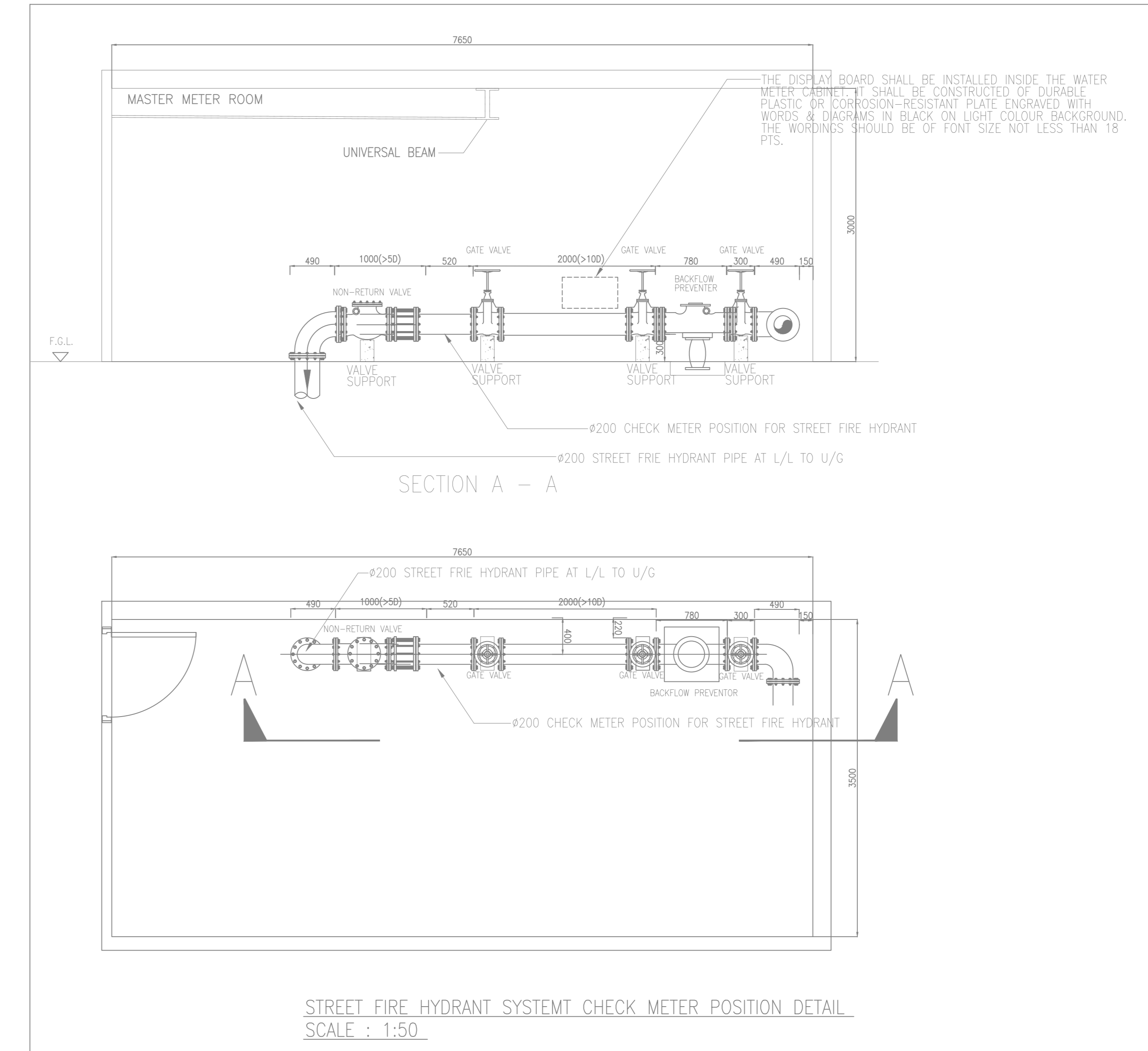
DATE	SCALE	REVISION
10/2022	N.T.S.	
8788	8788/MLP/FS/1001	1



**AS BUILT**



DETAIL B: DETAIL DRAWING OF STREET FIRE HYDRANT



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NO.	DATE REVISIONS
CLIENT: 博愛醫院 Pok Oi Hospital	
CLIENT: 恒基兆業地產有限公司 HENDERSON LAND DEVELOPMENT COMPANY LIMITED	
PROJECT ARCHITECT / AUTHORIZED PERSON: WT	
WONG TUNG & PARTNERS LIMITED ARCHITECTS & PLANNERS 2/F, 14 Taikee Wan Road, Taikee Shing, Hong Kong T 852-2803 8086 F 852-2513 1728 www.wongtung.com	
PROJECT STRUCTURAL / M&E / GEOTECHNICAL AND CIVIL ENGINEER: aurecon	
QUANTITY SURVEYOR: ARCADIS	
PLANNING CONSULTANT: TOWNLAND	
LANDSCAPE CONSULTANT: Otherland Landscape   Planning   Urban Design	
TRAFFIC CONSULTANT: CTA Consultants Limited	
LAND SUPPLY/MUNICIPAL CONSULTANT: AECOM	
DESIGN & BUILD CONTRACTOR: 聯力建築有限公司 UNISTRESS BUILDING CONSTRUCTION LTD.	
DESIGN & BUILD ARCHITECT: 馬海 馬海(建築顧問)有限公司 Spence Robinson Limited	
DESIGN & BUILD GEOTECHNICAL ENGINEERING CONSULTANT: WONG CHENG CONSULTING ENGINEERS LIMITED 黃錦興工程師有限公司	
DESIGN & BUILD MIC CONSULTANT: 張耀新建築工程師有限公司 Wilson & Associates Ltd	
DESIGN & BUILD M&E ENGINEER CONSULTANT: JRP 漫信	
BUILDING SERVICES SUB-CONTRACTOR: AIE Alliance Construction Co., Ltd.	
FIRE SERVICES SUB-CONTRACTOR: Lee Yu Kee Fire Protection	
PROJECT: TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN	
TITLE: FIRE SERVICES - STREET FIRE HYDRANT SYSTEM SCHEMATIC DIAGRAM (PHASE 2)	
DATE: 10/2022	SCALE: N.T.S.
DRAWN: (L.J.)	CHECKED: (L.J.)
DESIGNED: (L.J.)	REVIEWED: (L.J.)
JOB NO. 8788	DRAWING NO. 8788/MLP/FS/1002
REV. NO. 1	

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NO.	DATE	REVISIONS	ISSUED	BY	DATE

CLIENT:  
 博愛醫院  
Pok Oi Hospital

CLIENT:  
 HENGRICK LAND DEVELOPMENT COMPANY LIMITED

PROJECT ARCHITECT/  
AUTHORIZED PERSON:  
 WT

WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS  
FIVE 14 TAIKOO WAI ROAD, TAIKOO SHING, HONG KONG  
T 852-2803 9888 F 852-2513 1728 www.wongtung.com

PROJECT STRUCTURAL/ M&E /  
GEOTECHNICAL AND CIVIL ENGINEER:

 aurecon

QUANTITY SURVEYOR:

 ARCADIS


PLANNING CONSULTANT:  
 TOWNLAND

LANDSCAPE CONSULTANT:  
 Otherland  
Landscape | Planning | Urban Design

TRAFFIC CONSULTANT:  
 志達顧問有限公司  
CTA Consultants Limited


LAND SUPPLY/MUNICIPAL CONSULTANT:  
 AECOM

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WINGRESS BUILDING CONSTRUCTION LTD.

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DESIGN & BUILD MIC CONSULTANT:  
張耀新建築工程師有限公司  
Wilson & Associates Ltd

DESIGN & BUILD M&E ENGINEER CONSULTANT:  
 JRP  
漫信

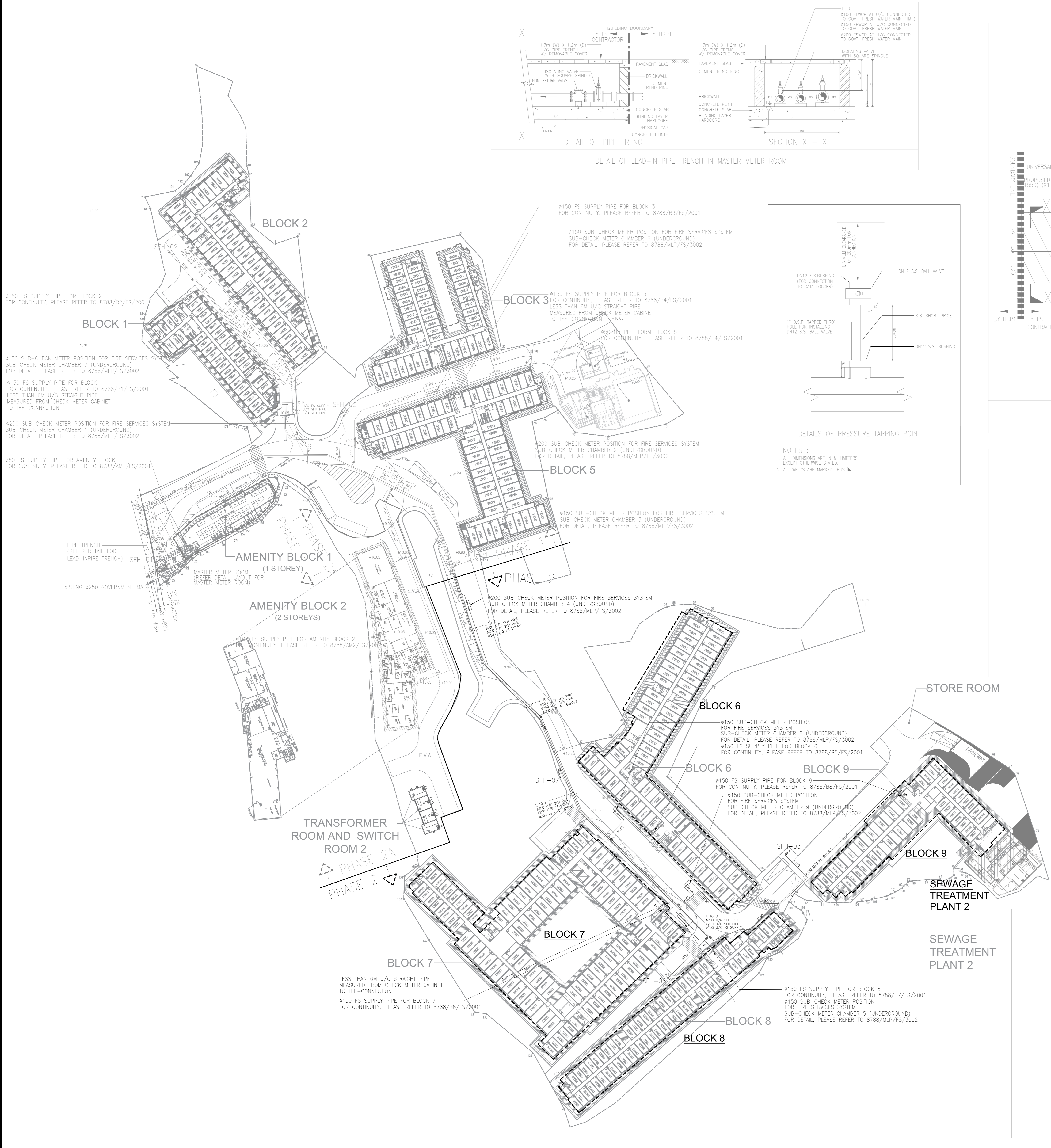
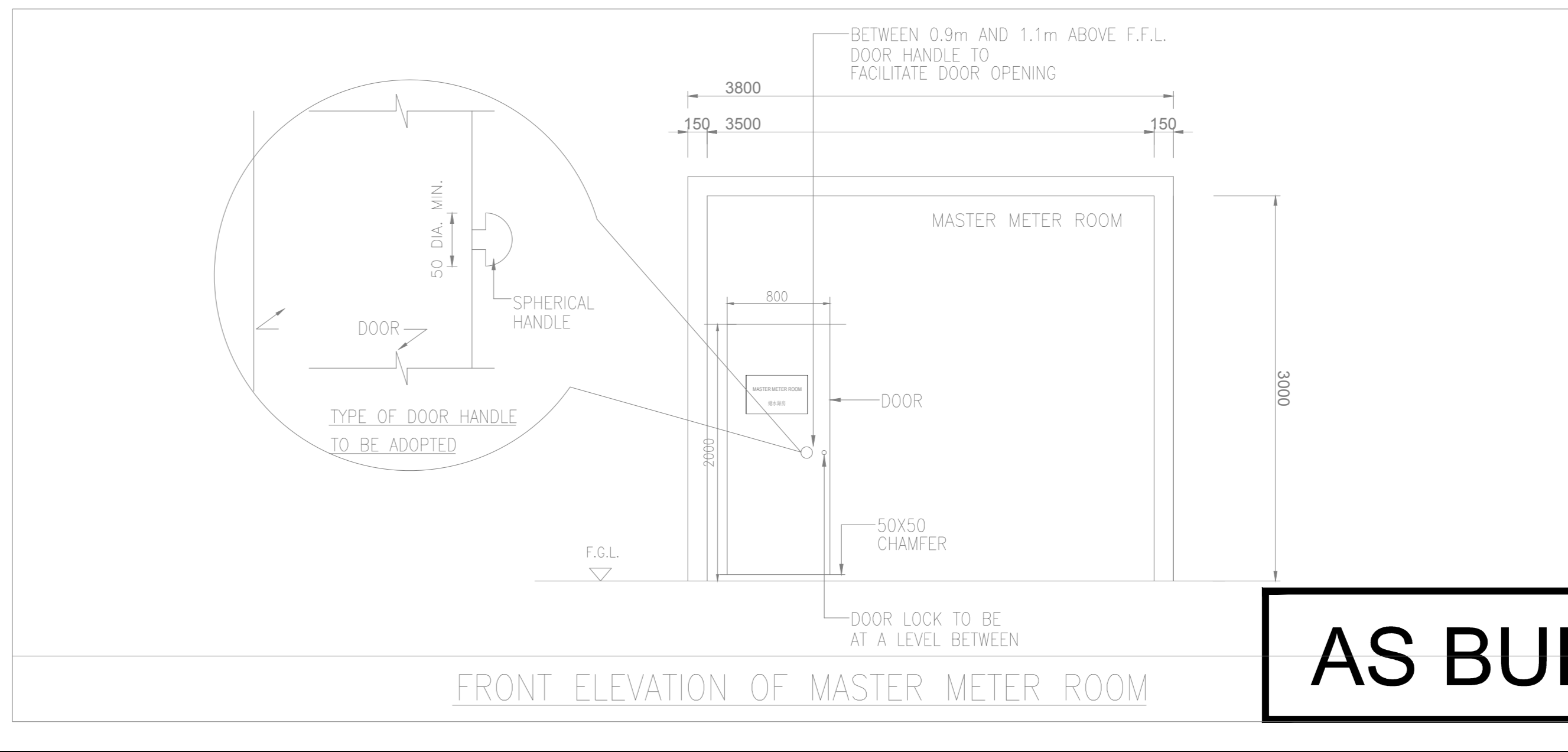
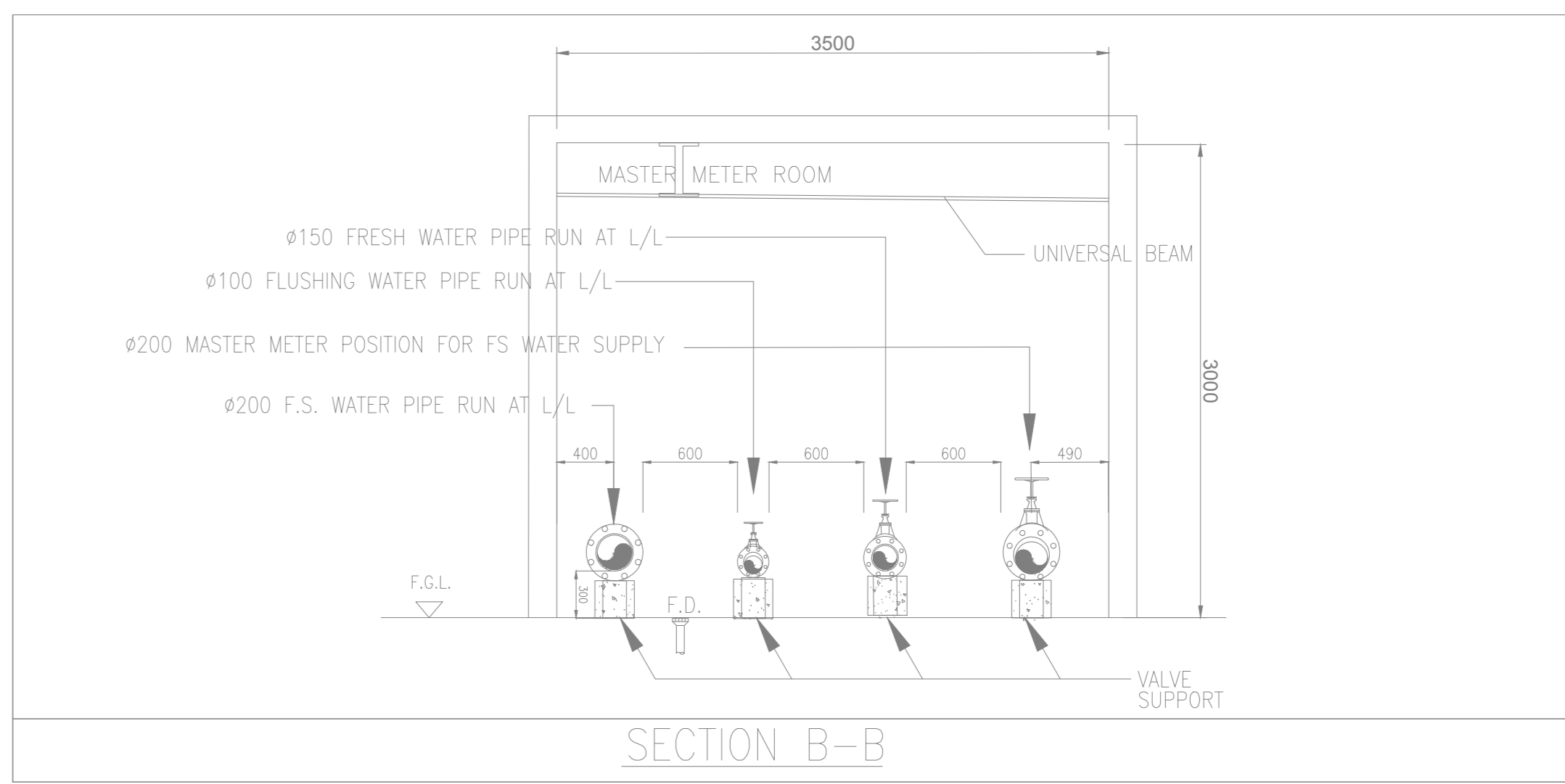
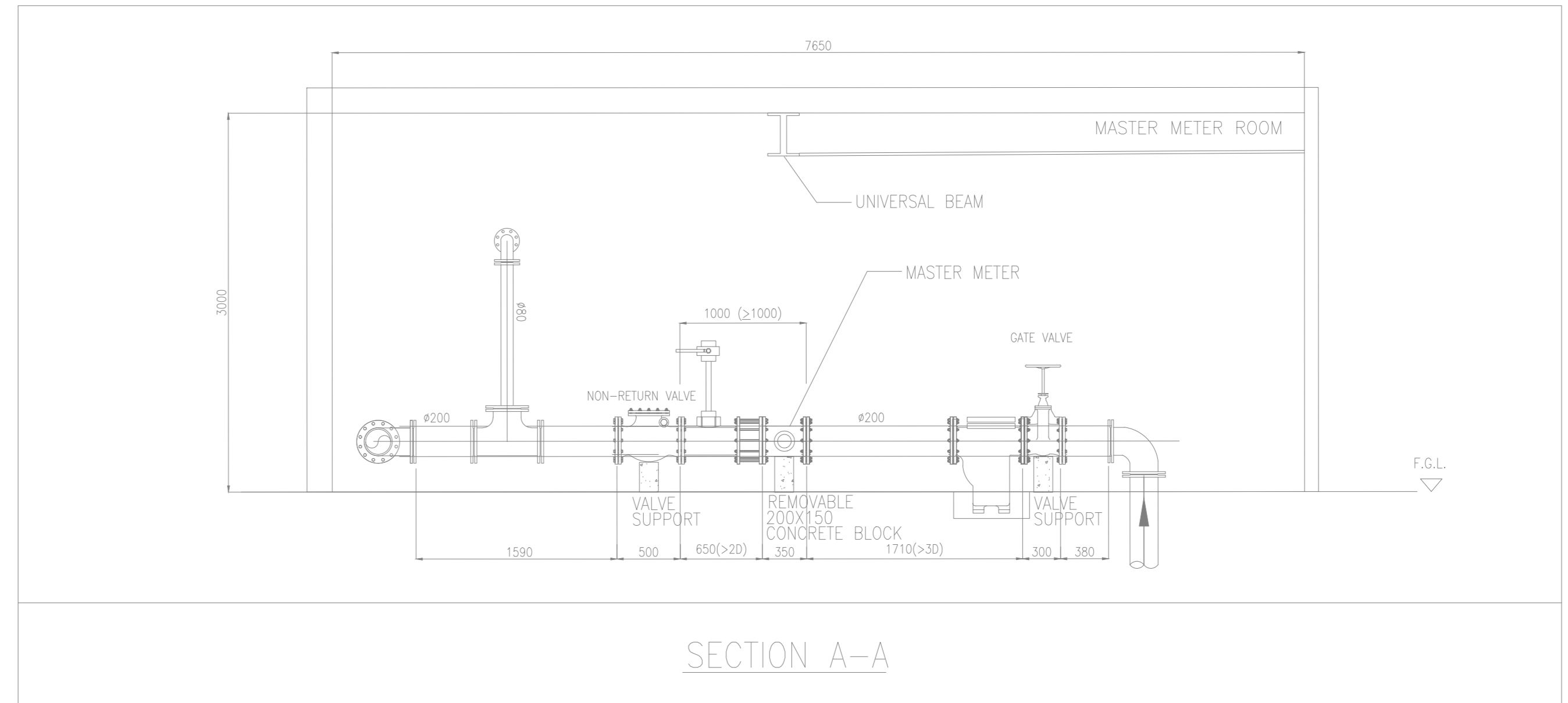
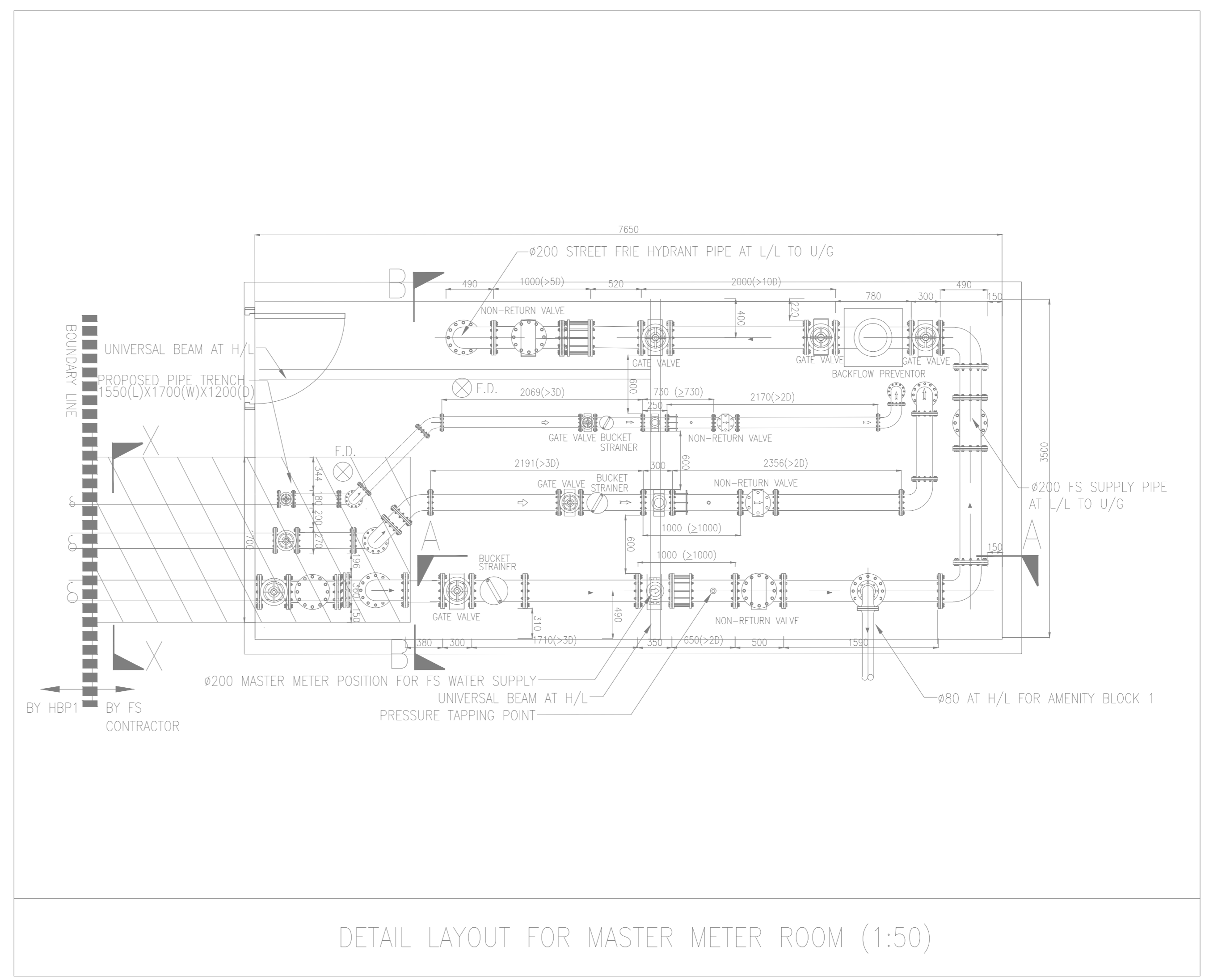
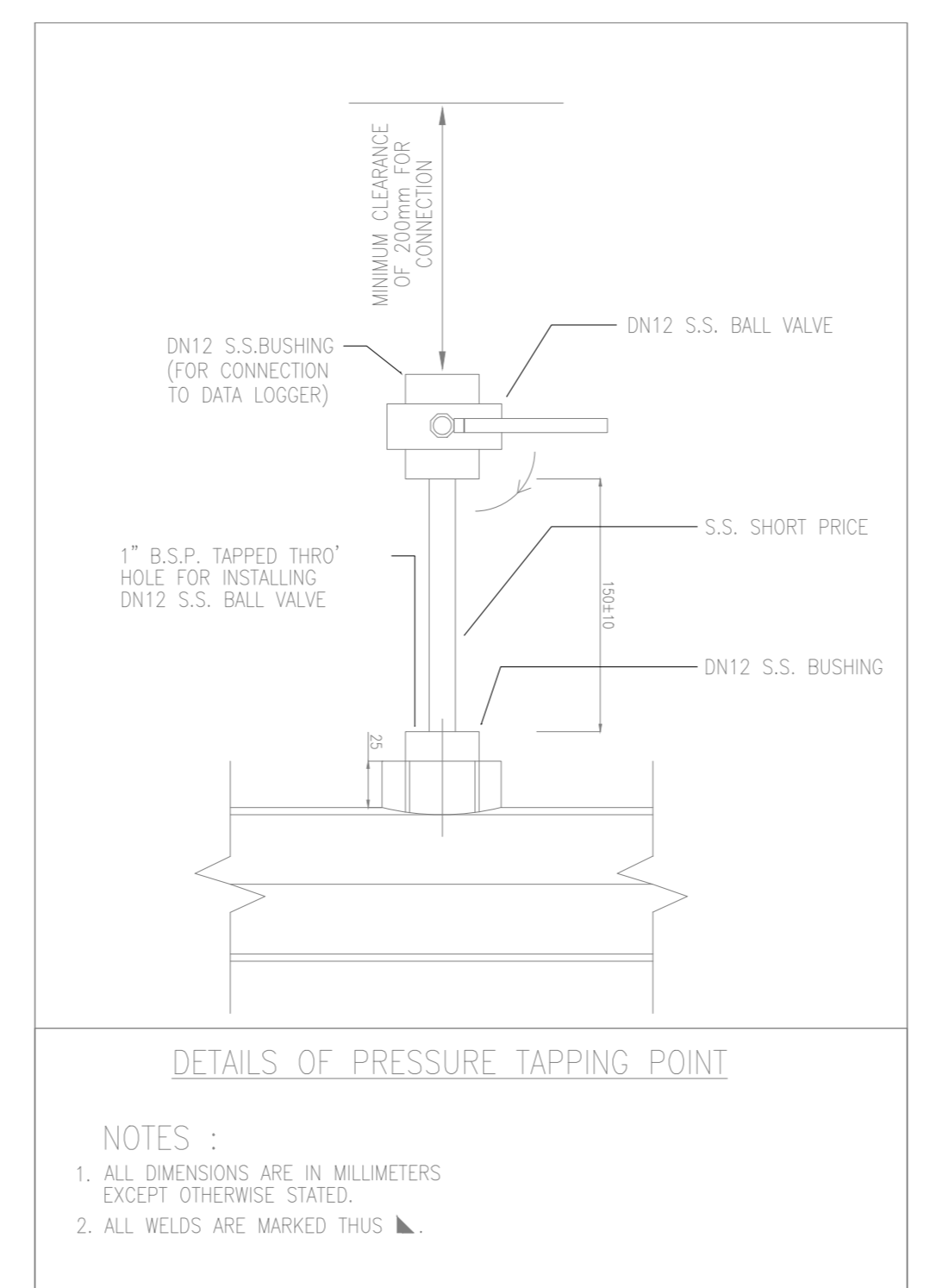
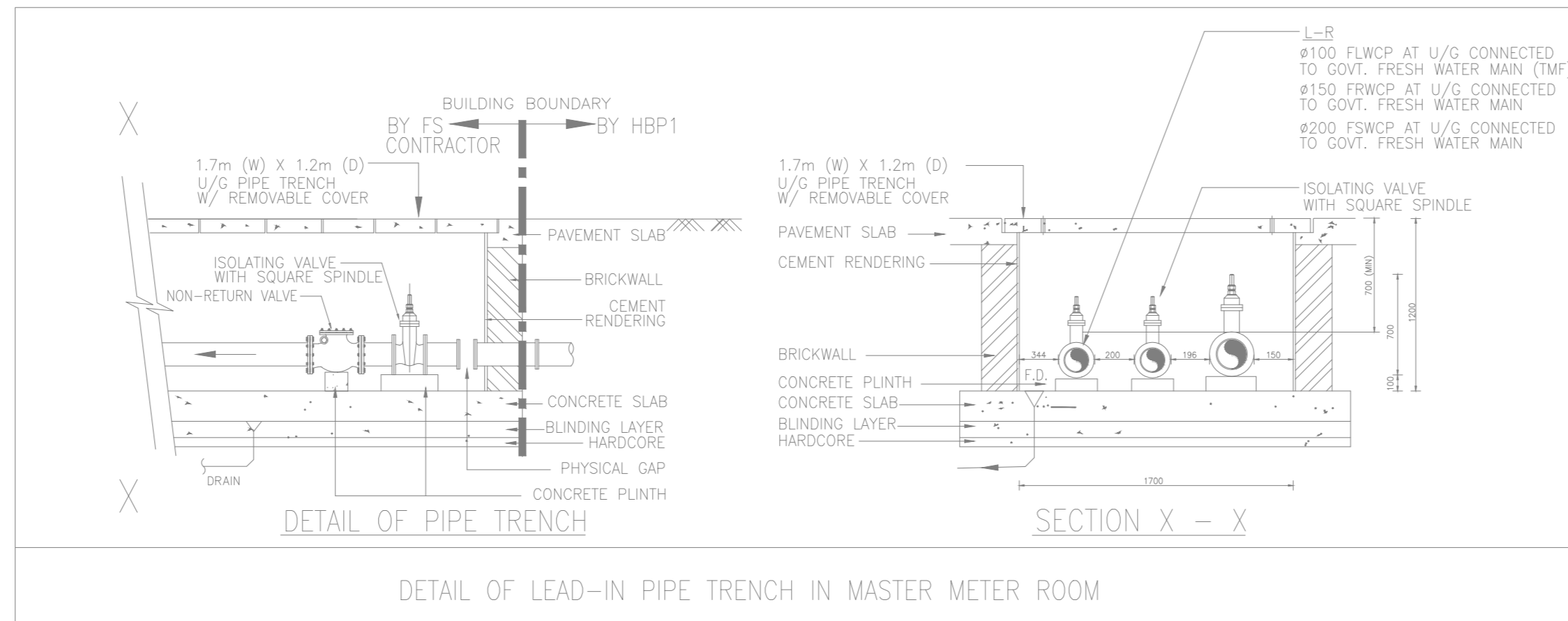
BUILDING SERVICES SUB-CONTRACTOR:  
 AIE  
Allcock Contracting Co., Ltd

FIRE SERVICES SUB-CONTRACTOR:  
 Lee Yu Kee  
Fire Protect

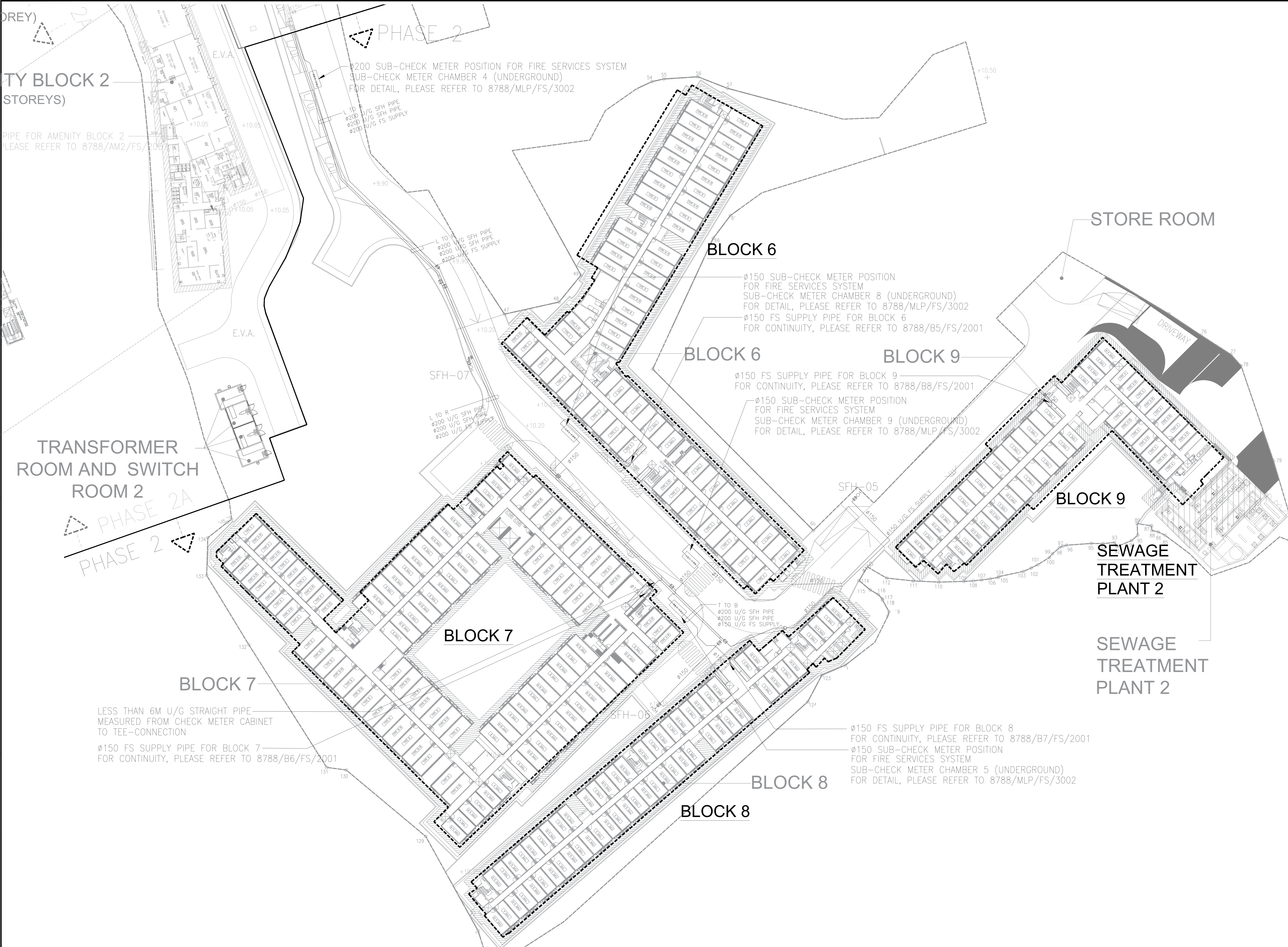
PROJECT:  
TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

TITLE:  
FIRE SERVICES -  
MASTER LAYOUT FOR FS  
WATER SUPPLY

DATE:	10/2022	SCALE:	1:800
DRAWN:	CHKD:	DESIGNED:	REVIEW:
DWG NO.	DRAWING NO.	REV. NO.	
32560	8788/MLP/FS/2001	1	



AS BUILT



B.D. REFERENCE NUMBER:

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NO.	DATE	REVISIONS	BY	CHECKED
1	11/22	AS BUILT		
2	10/22	FS 314 SUBMISSION		

CLIENT:  

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 Pok Oi Hospital

CLIENT:  

 HENDERSON LAND DEVELOPMENT COMPANY LIMITED

PROJECT ARCHITECT / AUTHORIZED PERSON:  

 WONG TUNG & PARTNERS LIMITED  
 ARCHITECTS & PLANNERS  
 215, 14 Tai Kok Street, Tai Kok Shing, Hong Kong  
 T 852 2803 8888 F 852 2513 1728 www.wongtung.com

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 CTA Consultants Limited

LAND SUPPLY / MUNICIPAL CONSULTANT:  

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 黃鄭顧問工程師有限公司

DESIGN & BUILD M/E CONSULTANT:  

 張耀新建築工程師有限公司  
 Wilson & Associates Ltd

DESIGN & BUILD M/E ENGINEER CONSULTANT:  

 JRP 漫信

BUILDING SERVICES SUB-CONTRACTOR:  

 Alliance Contracting Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:  

 Lee Yu Kee  
 Fire Protection

PROJECT:  
 TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

TITLE:  
 FIRE SERVICES - MASTER LAYOUT FOR FS WATER SUPPLY (PART PLAN 2)

DATE	SCALE
10/2022	1:400

JOB NO.	DRAWING NO.	REV. NO.
32560	8788/MLP/FS/2003	1

**AS BUILT**

Project: Transitional Housing Development in D.D.106 at Kong Ha Wai, Kam Tin, Yuen Long, N.T.  
Phase 1 (Block 1, 2, 3, 5, STP1 & Amenity Block 1)

**AS-fitted Drawing Lists**

Drawing No.:	Title:	Copies
Fire services		
8788-MLP-FS-P2A-0001	Fire services- legend, abbreviations and notes (Phase 2A)	1
8788-MLP-FS-P2A-1001	Fire services- FH/HR and Sprinkler system schematic diagram for amenity block 2 (Phase 2A)	1
KHW-FS-P2A-F0-13	Fire services- Automatic & manual fire alarm system schematic diagram at amenity block 2 (Phase 2A)	1
KHW-FS-P2A-F1-13	Fire services- FS layout plan for amenity block 2 GF, transformer room B&C, switch room 2&3 (Phase 2A)	1
KHW-FS-P2A-F1-13A	Fire services- FS layout plan for amenity Block 2 1F RF, (Phase 2A)	1

LEGEND :

	SPRINKLER HEAD		FIXED TYPE HOSE REEL (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
	SPRINKLER HEAD UNDER FALSE CEILING		FIXED TYPE HOSE REEL (AS SHOWN ON PLAN)
	SPRINKLER CONTROL VALVE SET ASSEMBLY (AS SHOWN ON SCHEMATIC)		A.A.V. AUTOMATIC AIR VENT C/W LOCKED SHIELD TYPE GATE VALVE
	FLOW SWITCH		FH HYDRANT OUTLET (SHOWN ON PLAN)
	SPRINKLER HEAD (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)		FIRE SERVICE/SPRINKLER INLET (SHOWN ON PLAN)
	GATE VALVE		SPRINKLER CONTROL VALVE (SHOWN ON PLAN)
	GATE VALVE (WITH VALVE PIT BY MAIN CONTRACTOR)		PIPE SLEEVE AND VIBRATION ISOLATOR (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)
	GATE VALVE (N.C.)		STREET FIRE HYDRANT
	GATE VALVE WITH PADLOCK IN OPEN POSITION		VORTEX INHIBITOR
	GATE VALVE WITH HAND WHEEL REMOVED C/W BRASS PLUG CAP AT OUTLET		UNDERGROUND PIPEWORK
	GATE VALVE WITH PADLOCK IN OPEN/CLOSE POSITION C/W INSTALLATION MONITORING FACILITY TO SPRINKLER CONTROL PANEL		ABOVE GROUND PIPEWORK
	GLOBE VALVE		P.P. PROVING PIPE
	GLOBE VALVE (N.C.)		H HEAT DETECTOR
	ANTI-POLLUTION VALVE		S SMOKE DETECTOR
	GLOBE VALVE WITH HAND WHEEL REMOVED		S <sup>SB</sup> SMOKE DETECTOR (SOUNDER BASE)
	BALL VALVE		MANUAL CALL POINT
	DRAIN VALVE (LOCKED SHIELD TYPE GATE VALVE)		FIRE ALARM BELL
	DRAIN VALVE (GATE VALVE)		WATER ALARM GONG
	PIPELINE DRAIN VALVE (BALL VALVE) WITH HOSE BIB C/W PLUG OFF		M MASTER FIRE ALARM BELL
	PRESSURE REDUCING VALVE		WP MANUAL CALL POINT (WEATHERPROOF TYPE)
	NON-RETURN VALVE		WP FIRE ALARM BELL (WEATHERPROOF TYPE)
	FIRE SERVICE INLET WITH A SEPARATE NON-RETURN VALVE BEHIND THE INLET (SHOWN ON SCHEMATIC PIPING DIAGRAM)		V VISUAL FIRE ALARM
	HYDRANT OUTLET (AS SHOWN ON SCHEMATIC PIPING DIAGRAM)		V <sup>WP</sup> VISUAL FIRE ALARM (WALL MOUNTED) (WEATHERPROOF TYPE)
	BUTTERFLY VALVE WITH MONITORING FACILITY		V VISUAL FIRE ALARM (WALL MOUNTED)
	PRESSURE RELIEF VALVE		REM REMOTE INDICATOR
	GATE VALVE WITH PLUG (N.C.)		AFA PANEL / PUMP PANEL
	BACKFLOW PREVENTOR		
	FLEXIBLE CONNECTOR		
	EXPANSION JOINT		
	PLUG		
	STRAINER, Y-TYPE		
	STRAINER, BUCKET TYPE		
	FLOW METER		
	BALL FLOAT VALVE		
	BELL MOUTH SILENCE TUBE		
	BOX TO HOUSE LEVEL CONTROL SWITCH		
	PRESSURE SWITCH		
	PRESSURE GAUGE C/W 20 BALL VALVE		
	WATER METER BY WATER SUPPLIES DEPARTMENT		
	CHECK METER POSITION		
	LEVEL CONTROL SWITCH (TO ACTIVATE OVERFLOW)		
	LEVEL CONTROL SWITCH (TO ACTIVATE LOW LEVEL ALARM)		
	LEVEL CONTROL SWITCH (TO GIVE AN INDICATION BEFORE THE WATER STORAGE LEVEL DROPS MORE THAN 10% BELOW ITS NOMINAL LEVEL)		

ABBREVIATION :

I-B	TOP TO BOTTOM
L-R	LEFT TO RIGHT
H/L	HIGH LEVEL
L/L	LOW LEVEL
U/G	UNDERGROUND
T/A	TO ABOVE
T/B	TO BELOW
A.F.F.L.	ABOVE FINISHED FLOOR LEVEL
A.S.F.L.	ABOVE STRUCTURAL FLOOR LEVEL
PRV	PRESSURE REDUCING VALVE
FRP OR FRR	FIRE RESISTANCE RATING ROLLED STEEL JOINT
NC/N.C.	NORMALLY CLOSED
NO/N.O.	NORMALLY OPEN
FH/HR	FIRE HYDRANT/HOSE REEL
SFH	STREET FIRE HYDRANT



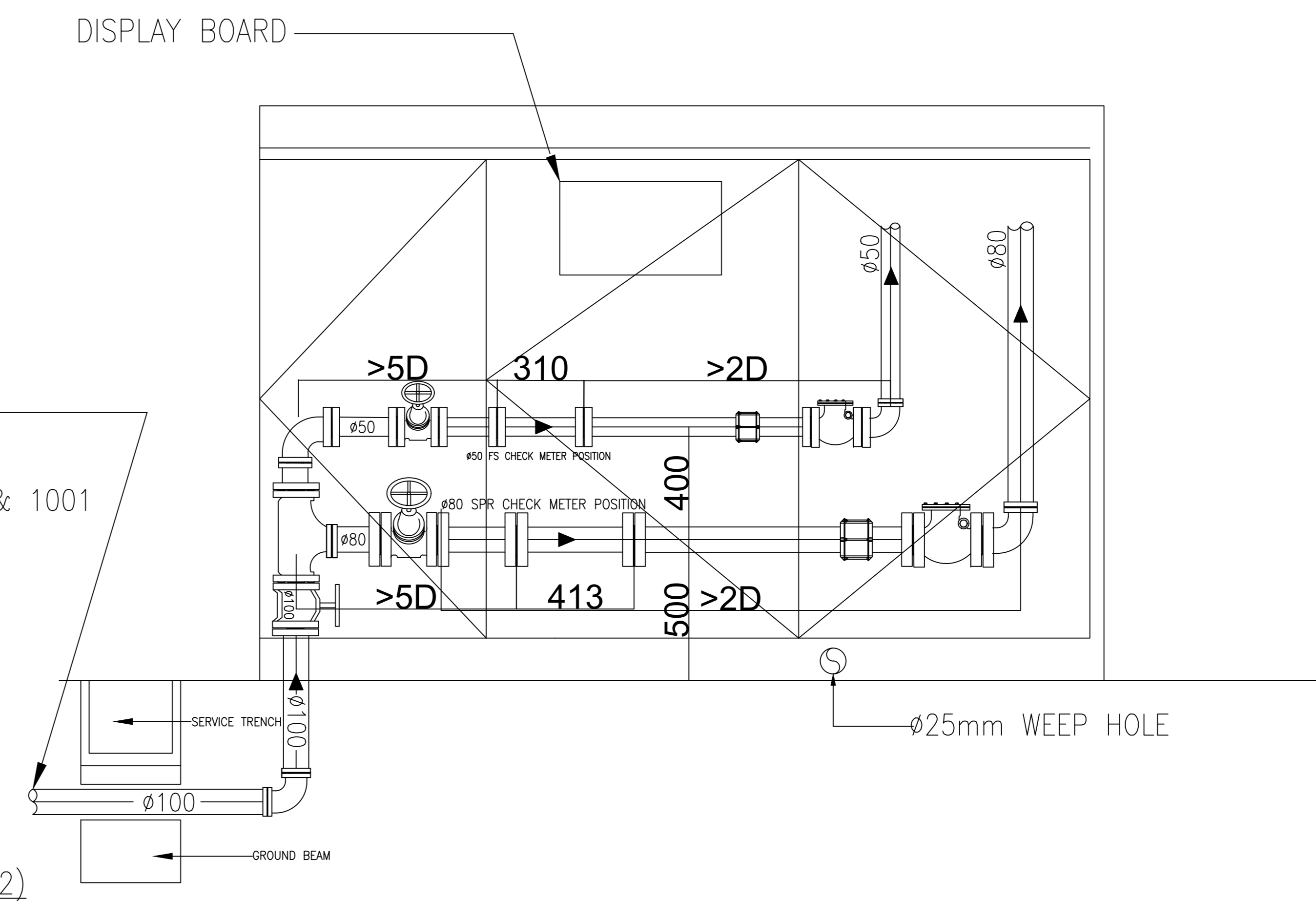
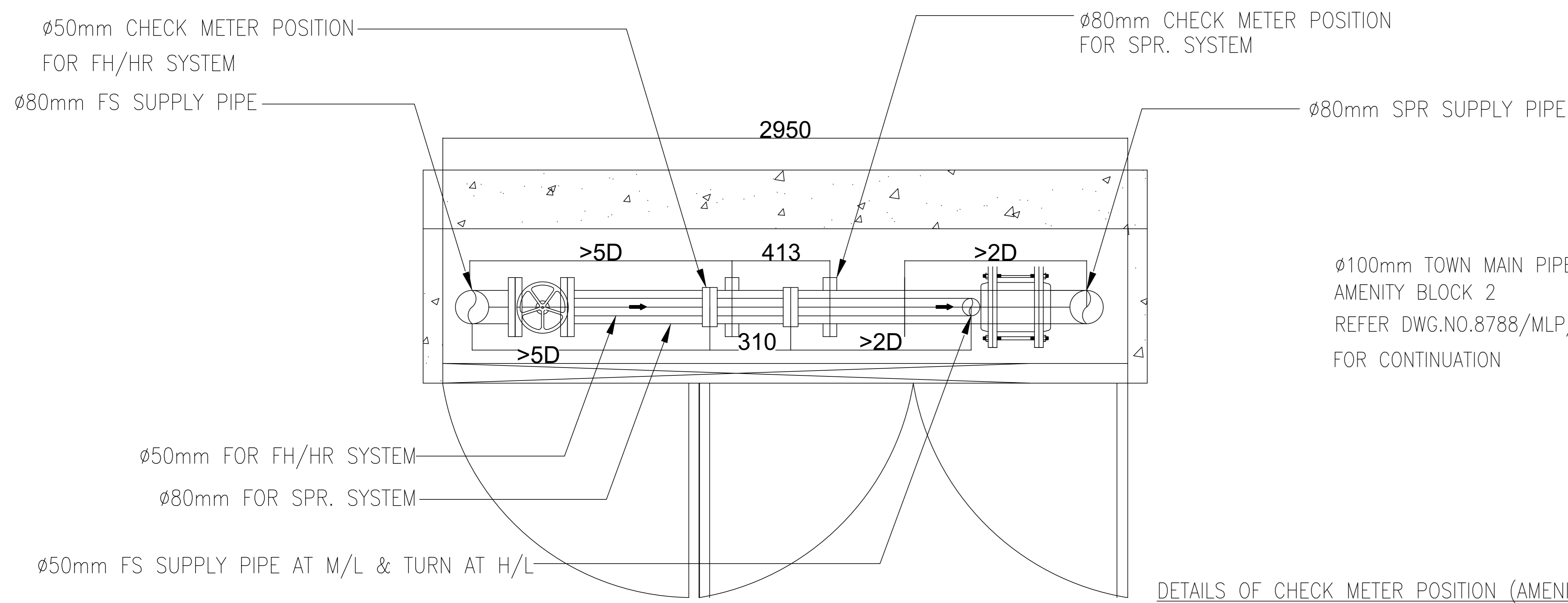
SITE LOCATION PLAN

AS BUILT

FIRE SERVICES NOTES FOR PHASE 2A

- 1.0 AMENITY BLOCK 2
- 1.1 INDEPENDENT FIRE HYDRANT AND HOSE REEL (FH/HR) SYSTEM SHALL BE PROVIDED FOR THE BUILDING IN ACCORDING TO FSD COP. A 27m<sup>3</sup> F.S. WATER TANK (FH/HR SYSTEM) FOR AMENITY BLOCK 2 WILL BE PROVIDED.
- 1.2 F.S. INLETS FOR FH/HR SYSTEM ARE TO BE PROVIDED AT POSITIONS AS INDICATED ON THE PLAN. ALL FS INLETS WITHIN EACH BLOCK WILL BE INTER-CONNECTED.
- 1.3 THERE SHALL BE SUFFICIENT HYDRANTS AND HOSE REELS ON EACH FLOOR, FIRE HYDRANTS SHALL BE PROVIDED IN ALL REQUIRED STAIRCASE ENCLOSURES. HOSE REELS SHALL BE PROVIDED TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30M OF HOSE REEL TUBING. INSTALLATION SHOULD COMPLY WITH FSD COP & FSD CIRCULAR LETTER NO. 2/2013.
- 1.4 INDEPENDENT AUTOMATIC SPRINKLER SYSTEM EQUIPPED WITH A 90M<sup>3</sup> WATER TANK, SHALL BE PROVIDED FOR AMENITY BLOCK 2. AUTOMATIC SPRINKLER INSTALLATIONS IN ACCORDANCE WITH L.P.C. RULES BS EN 12845 ; 2003 AND FSD CIRCULAR LETTER 3/2006, 3/2012 TO PROTECT THE AMENITY BLOCK 2 EXCEPT ALL E&M PLANT ROOMS, PIPE DUCT AND E&M DUCTS/CABINETS/TRENCHES.
- 1.5 THE OCCUPANCY FOR THE AMENITY BLOCKS IS CLASSIFIED AS ORDINARY HAZARD GROUP 3 FOR AMENITY BLOCK 2 ACCORDING TO L.P.C. RULES.
- 1.6 THE SPRINKLER SYSTEM WILL BE DESIGNED THAT ACTUATION OF ANY ONE SPRINKLER HEAD WILL GIVE INDICATION, THROUGH ALARM FLOW SWITCH, TO THE MAIN FIRE ALARM PANEL/ F.S. SUB-PANEL OF THE RESPECTIVE BUILDING.
- 1.7 F.S. SUB-PANEL SHALL BE PROVIDED INSIDE AFA PANEL CABINET OF AMENITY BLOCK 2 TO INDICATE THE FLOOR UPON WHICH A SPRINKLER IS OPERATING. ALL SPRINKLER ALARM SIGNALS IN AMENITY BLOCK 2 WILL BE REPEATED TO MAIN FIRE ALARM PANEL IN AMENITY BLOCK 1 FOR MONITORING AND TRANSMISSION TO F.S.C.C. VIA THE COMMON DIRECT TELEPHONE LINK.
- 1.8 SPRINKLER INLETS SHALL TO BE PROVIDED AT POSITIONS AS INDICATED ON THE PLANS AND SPRINKLER CONTROL VALVE SET SHOULD BE LOCATED INSIDE SPRINKLER CONTROL VALVE CABINET AS INDICATED ON PLANS.
- 1.9 INDEPENDENT MANUAL FIRE ALARM SYSTEM TO BE PROVIDED THROUGHOUT THE AMENITY BLOCK AND TO BE INCORPORATED IN RESPECTIVE FH/HR SYSTEM. THE ALARM SYSTEM SHALL BE ACTIVATED ON ACTUATION OF THE MANUAL FIRE ALARMS (BREAKGLASS UNITS), THE ALARM BELLS AND FIXED FIRE PUMP OF RESPECTIVE SYSTEM SHALL BE OPERATED. THE ALARM BELLS ON OTHER AREAS SHALL NOT BE ACTIVATED.
- 1.10 INDIVIDUAL FIRE DETECTION SYSTEM IS TO BE PROVIDED AND INSTALLED IN ACCORDANCE WITH BS 5839 PART 1 : 2002+A2: 2008 AND FSD CIRCULAR LETTER 1/2009, 3/2010 FOR E&M PLANT ROOMS, WATER METER ROOM AND THE AREAS NOT COVERED BY AUTOMATIC FIXED INSTALLATION EXCEPT PIPE DUCT, E&M DUCT/CABINET & TRENCH.
- 1.11 VISUAL FIRE ALARM SYSTEM WILL BE PROVIDED ACCORDING TO BARRIER FREE ACCESS 2008 REQUIREMENTS FOR RESPECTIVE BLOCK. INSTALLATION SHALL FOLLOW BS5839 PART 1 : 2002 + A2:2008 STANDARD AND CIRCULAR LETTER 2/2012.
- 1.12 WHEN A VENTILATION / AIR CONDITIONING CONTROL SYSTEMS SHALL BE PROVIDED, IT SHALL COMPLY WITH CURRENT FSD'S CODES OF PRACTICE 2012 EDITION AS WELL AS CIRCULAR LETTERS NO. 2/2005.
- 1.13 AUDIO / VISUAL ADVISORY SYSTEM WILL NOT BE PROVIDED AS THE FLOOR AREA FOR ONE SINGLE OCCUPANCY DO NOT EXCEED 2000m<sup>2</sup>.
- 2.0 M&E PLANT ROOMS (TRANSFORMER ROOM 'B' AND 'C' AND LV SWITCH ROOM 2 & 3)
- 2.1 INDEPENDENT FIRE DETECTION SYSTEM WITH ASSOCIATED F.S. SUB-PANEL AND FIRE ALARM SYSTEM ARE TO BE PROVIDED FOR TRANSFORMER ROOM 'B' AND 'C' AND LV SWITCH ROOM 2 & 3 AND INSTALLED IN ACCORDANCE WITH BS 5839 PART 1: 2002+A2 :2008 AND FSD CIRCULAR LETTER 1/2009, 3/2010 EXCEPT E&M PIPE DUCT/CABINET/TRENCH. THE FIRE ALARM SIGNALS RECEIVED BY THE F.S. SUB-PANEL SHALL BE TRANSMITTED TO THE MAIN FIRE ALARM PANEL LOCATED AT AMENITY BLOCK 1. THE ALARM BELLS ON OTHER AREAS SHALL NOT BE ACTIVATED.
- 2.2 WHEN A VENTILATION / AIR CONDITIONING CONTROL SYSTEMS IS PROVIDED, IT SHALL COMPLY WITH CURRENT FSD'S CODES OF PRACTICE 2012 EDITION AS WELL AS CIRCULAR LETTERS NO. 2/2005.
- 2.3 5KG CO2 PORTABLE FIRE EXTINGUISHER WILL BE PROVIDED AS INDICATED ON LAYOUT PLAN.
- 2.4 EMERGENCY LIGHTING SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH B.S. 5266 PART 1 : 2016, BSEN 1838 : 2013 AND FSD CIRCULAR LETTER NO. 4/2021 THROUGHOUT THE BUILDING.
- 3.0 OTHER REQUIREMENTS FOR ELECTRICAL AND MECHANICAL SYSTEM
- 3.1 EMERGENCY LIGHTING SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH B.S. 5266 PART 1 : 2016, BSEN 1838 : 2013 AND FSD CIRCULAR LETTER NO. 4/2021 THROUGHOUT THE AMENITY BLOCKS. EMERGENCY LIGHTING IS CONNECTED TO PUBLIC ELECTRICITY AND BACK UP BY BATTERY AND SHALL BE CAPABLE OF MAINTAINING FOR A PERIOD NOT LESS THAN 2 HOURS. (3 HOURS FOR ALL BLOCKS)
- 3.2 ESSENTIAL POWER SUPPLY TO FIRE HYDRANT/HOSE REEL SYSTEM, AND SPRINKLER SYSTEM WILL BE CONNECTED TO PRIMARY AND SECONDARY POWER SUPPLY.
  - (a) SECONDARY SOURCE OF POWER SUPPLY FOR FIRE HYDRANT/HOSE REEL SYSTEM, ALL FIRE ALARM PANELS AND SPRINKLER SYSTEM SHALL BE TAKEN FROM UPSTREAM OF THE MAIN ELECTRICAL SWITCH OF THE DEVELOPMENT, EMERGENCY LIGHTING AND EXIT SIGN SHALL BE BACKED UP BY SECONDARY BATTERY.
  - (b) NO EMERGENCY GENERATOR WILL BE PROVIDED FOR THE DEVELOPMENT.
- 3.3 SUFFICIENT DIRECTIONAL AND EXIT SIGN SHALL BE PROVIDED TO ENSURE THAT ALL EXIT ROUTES FROM ANY FLOOR WITHIN EACH BUILDING ARE CLEARLY INDICATED.
- 3.4 NO STAIRCASE PRESSURIZATION SYSTEM SHALL BE PROVIDED.
- 3.5 NO SMOKE EXTRACTION SYSTEM SHALL BE PROVIDED.
- 3.6 SUFFICIENT STREET FIRE HYDRANT SHALL BE PROVIDED ALONG INTERNAL EVA. WATER SUPPLY FOR STREET HYDRANT TO THE DEVELOPMENT WILL BE DIRECTLY CONNECTED FROM EXISTING GOVERNMENT WATER MAIN LOCATED AT KAM SHEUNG ROAD WHICH IS NEAR THE RUN-IN ENTRANCE TO THE DEVELOPMENT.
- 4.0 OTHERS
- 4.1 ALL LININGS FOR ACOUSTIC AND THERMAL INSULATION PURPOSES IN DUCTINGS AND CONCEALED LOCATIONS SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476 : PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
- 4.2 ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476: PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
- 4.3 THE HKFSD STANDARD REQUIREMENT FOR TRANSFORMER ROOMS SHALL BE COMPLIED WITH ON-FLAMMABLE SILICON FLUID- FILLED TYPE.
  - 1 NO. 2000KVA TRANSFORMER EQUIPPED WITH NON-FLAMMABLE SILICONE FLUID FILLED TO BE INSTALLED IN TRANSFORMER ROOM 'B'.
  - 1 NO. 2000KVA TRANSFORMER EQUIPPED WITH NON-FLAMMABLE SILICONE FLUID FILLED TO BE INSTALLED IN TRANSFORMER ROOM 'C'.

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PIPE SIZE	COLOR				
20mm	ORANGE				
25mm	GREEN				
32mm	RED				
40mm	PURPLE				
50mm	YELLOW				
65mm	LIGHT BLUE				
80mm	DARK GREEN				
100mm	LIGHT BROWN				
150mm	BROWN				
200mm	DARK BLUE				
8/22	AS BUILT				
8/22	FS 314 SUBMISSION				
NO.	DATE	REVISIONS	BY	CHKD	DATE
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WONG TUNG & PARTNERS LIMITED ARCHITECTS & PLANNERS 18/F, 14 Tsimshoeng Street, Tsimshoeng, Hong Kong T 852-2803 9888 F 852-2513 1728 www.wongtung.com					
PROJECT STRUCTURAL / M&E / GEOTECHNICAL AND CIVIL ENGINEER:					
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TRAFFIC CONSULTANT:					
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DESIGN & BUILD M/E CONSULTANT:					
DESIGN & BUILD M&E ENGINEER CONSULTANT:					
BUILDING SERVICES SUB-CONTRACTOR:					
FIRE SERVICES SUB-CONTRACTOR:					
PROJECT:					
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN					
TITLE:					
FIRE SERVICES - LEGEND, ABBREVIATIONS AND NOTES (PHASE 2A)					
DATE	08/2022	SCALE	N.T.S.		
DRAWN		CHECKED		DESIGNED	
JOB NO.	8788/M/P/FS/P2A/0001	DRAWING NO.		REV. NO.	A



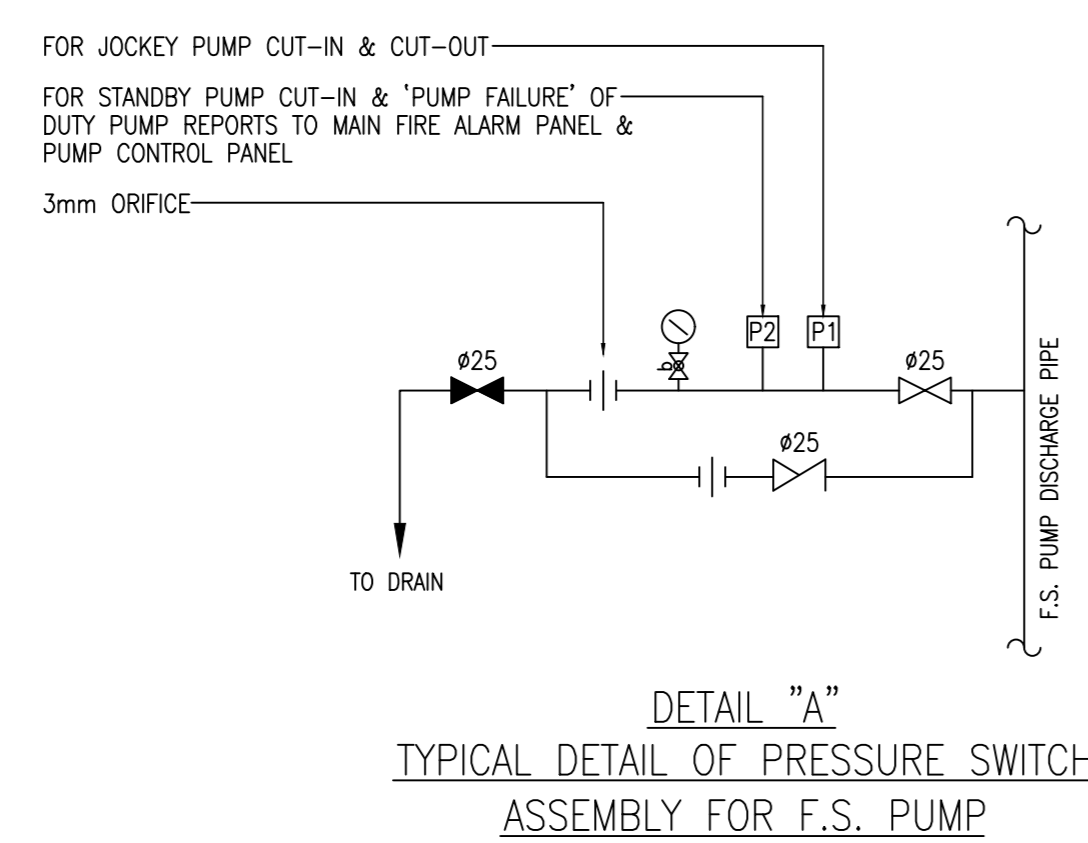
DETAILS OF CHECK METER POSITION (AMENITY BLOCK 2)

**FIRE HYDRANT & HOSE REEL PUMP SCHEDULE**

PUMP DESIGNATION	PRESSURE (BAR)	FLOW (L/min)	PUMP SPEED (RPM)
AM2-FSP-01 (DUTY)	6.5	900	2900
AM2-FSP-02 (STANDBY)	6.5	900	2900

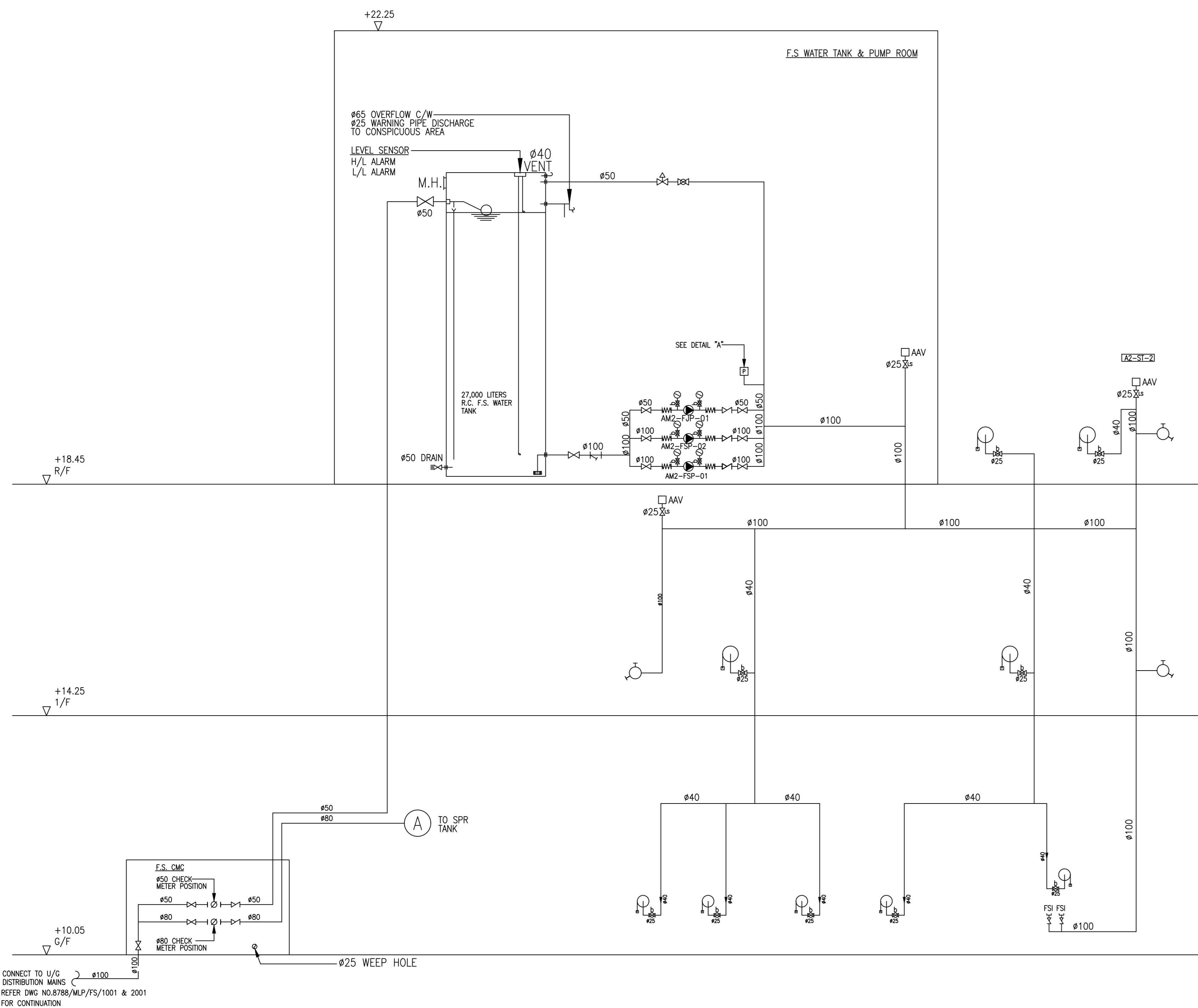
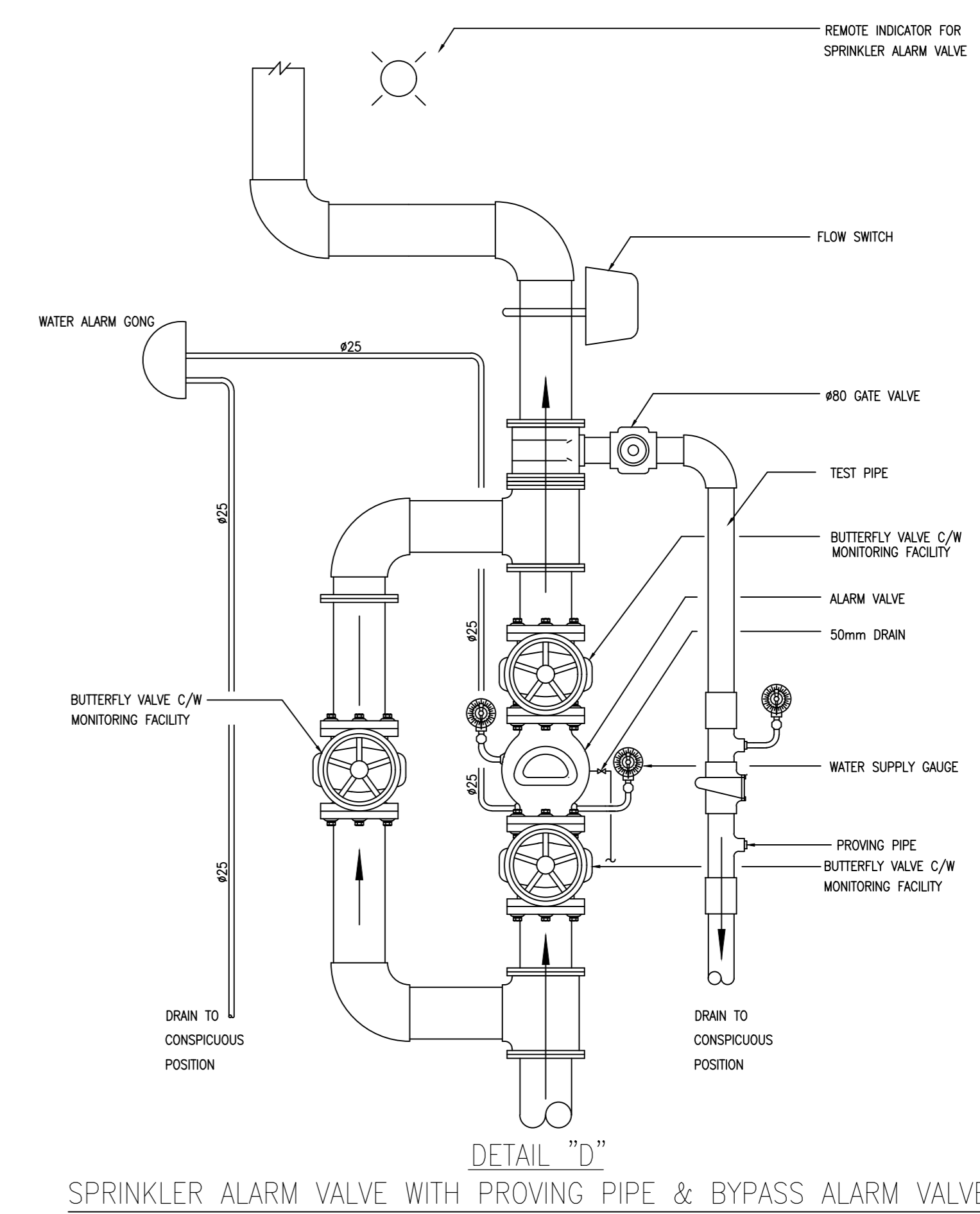
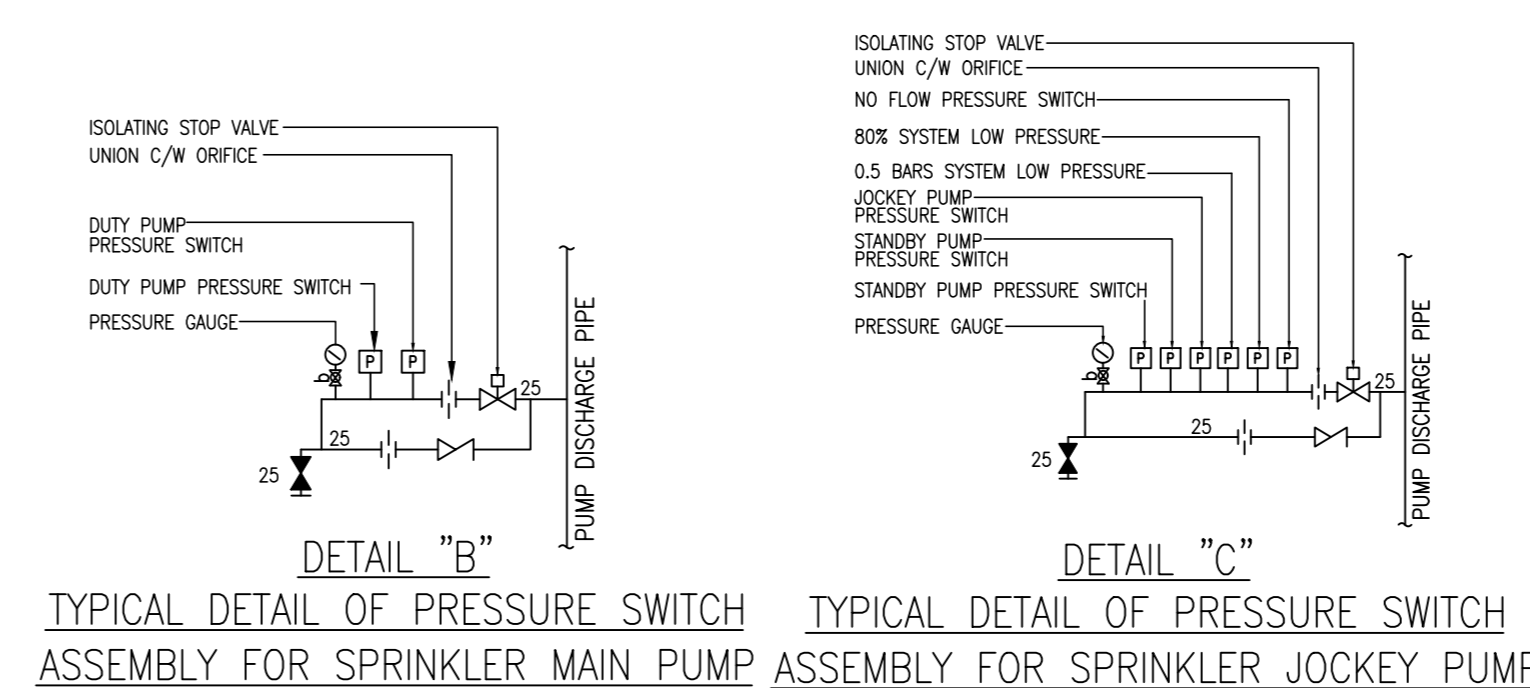
**FIRE HYDRANT & HOSE REEL JOCKEY PUMP SCHEDULE**

PUMP DESIGNATION	PRESSURE (BAR)	FLOW (L/min)	PUMP SPEED (RPM)
AM2-FSP-01	6.0	30	2900

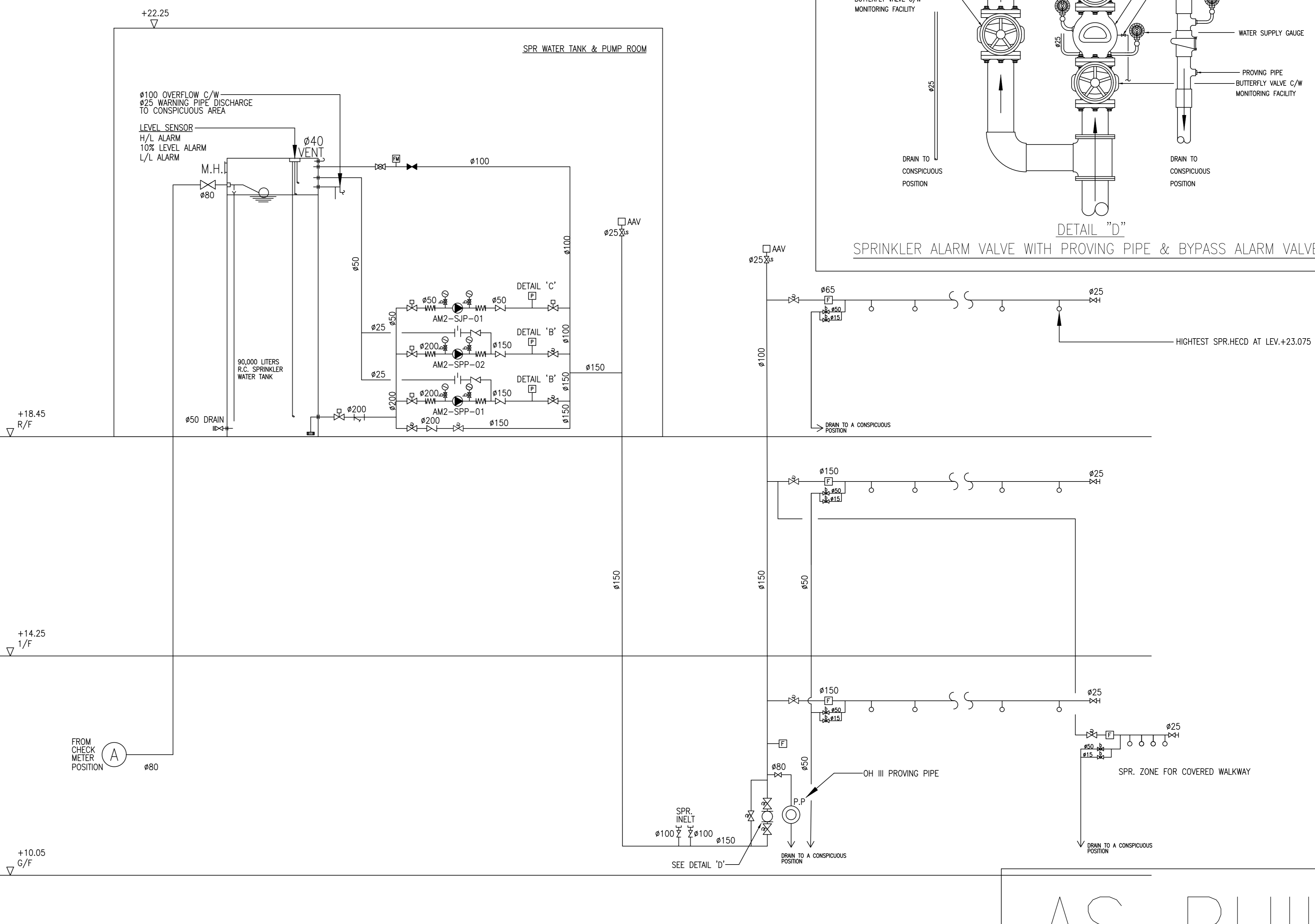


**SPRINKLER PUMP SCHEDULE**

PUMP DESIGNATION	PRESSURE (BAR)	FLOW (L/min)	PUMP SPEED (RPM)
SPRINKLER MAIN PUMP			
AM2-SPP-01 (DUTY)	1.4/2.9/3.2	2250/1350/1100	2900
AM2-SPP-02 (STANDBY)	1.4/2.9/3.2	2250/1350/1100	2900
SPRINKLER JOCKEY PUMP			
AM2-SJP-01	5.0	30	2900



FIRE HYDRANT/ HOSE REEL SYSTEM SCHEMATIC DIAGRAM (AMENITY BLOCK 2)



AUTOMATIC SPRINKLER SYSTEM SCHEMATIC DIAGRAM (AMENITY BLOCK 2)

AS BUILT

**B.D. REFERENCE NUMBER:**

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50mm	YELLOW
65mm	LIGHT BLUE
80mm	DARK GREEN
100mm	LIGHT BROWN
150mm	BROWN
200mm	DARK BLUE

8/22 AS BUILT  
6/22 FS 314 SUBMISSION

NO.	DATE	REVISIONS	BY	CHKD	APP'D

**CLIENT:**  
博愛醫院  
Pok Oi Hospital

**CLIENT:**  
恒盛地產發展有限公司  
HENDERSON LAND DEVELOPMENT COMPANY LIMITED

**PROJECT ARCHITECT / AUTHORIZED PERSON:**  
WT

**WONG TUNG & PARTNERS LIMITED**  
ARCHITECTS & PLANNERS  
18/F, 14 Tsimshoeng Street, Tsimshoeng Hong Kong  
T 852-2803 9988 F 852-2511 1728 www.wongtung.com

**PROJECT STRUCTURAL / M&E / GEOTECHNICAL AND CIVIL ENGINEER:**  
aurecon

**QUANTITY SURVEYOR:**  
ARCADIS

**PLANNING CONSULTANT:**  
TOWNLAND

**LANDSCAPE CONSULTANT:**  
Otherland  
Landscape | Planning | Urban Design

**TRAFFIC CONSULTANT:**  
志達顧問有限公司  
CTA Consultants Limited

**LAND SUPPLY/MUNICIPAL CONSULTANT:**  
AECOM

**DESIGN & BUILD CONTRACTOR:**  
聯方建築有限公司  
UNITESS BUILDING CONSTRUCTION LTD.

**DESIGN & BUILD ARCHITECT:**  
馬海  
馬海(建築顧問)有限公司  
Spence Robinson Limited

**DESIGN & BUILD GEOTECHNICAL ENGINEERING CONSULTANT:**  
WONG CHENG  
CONSULTING ENGINEERS LIMITED  
黃耀輝工程師有限公司

**DESIGN & BUILD M&E CONSULTANT:**  
張耀新建築工程師有限公司  
Wilson & Associates Ltd

**DESIGN & BUILD M&E ENGINEER CONSULTANT:**  
JRP  
建信

**BUILDING SERVICES SUB-CONTRACTOR:**  
AE  
Altitude Contracting Co., Ltd.

**FIRE SERVICES SUB-CONTRACTOR:**  
Lee Yu Kee  
Fire Protection Ltd.

**PROJECT:**  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

**TITLE:**  
FIRE SERVICES - FH/HR AND SPRINKLER SYSTEM SCHEMATIC DIAGRAM FOR AMENITY BLOCK 2 (PHASE 2A)

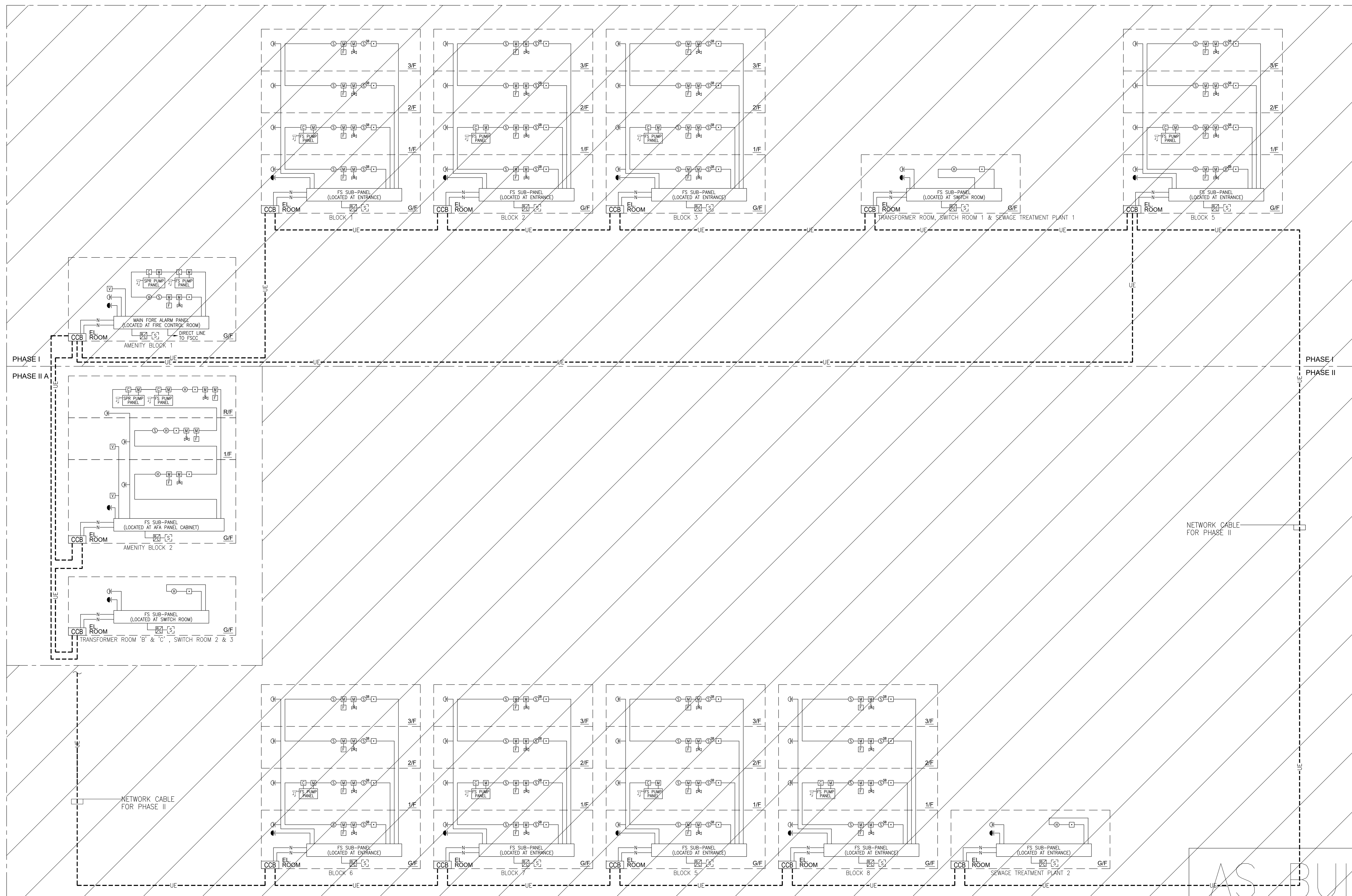
DATE: 08/2022 SCALE: N.T.S.  
DRAWN: [ ] CHECKED: [ ] DESIGNED: [ ] REVIEWED: [ ]  
JOB NO. 8788 DRAWING NO. 8788/MLP/FS/P2A/1001 REV. NO. A

LEGEND:

- |                    |                                      |        |                        |           |                   |
|--------------------|--------------------------------------|--------|------------------------|-----------|-------------------|
| (H)                | HEAT DETECTOR                        | (C)    | CONTROL MODULE         | (VAC)     | VAC CONTROL UNIT  |
| (S)                | SMOKE DETECTOR                       | (M)    | MONITORING MODULE      | (B&C)     | BATTERY & CHARGER |
| (S <sup>sb</sup> ) | SMOKE DETECTOR C/W SOUNDER BASE      | (SV)   | SUBSIDIARY VALVE       | (FSU)     | FUSED SPUR UNIT   |
| (BGU)              | BREAK GLASS UNIT (MANUAL CALL POINT) | (F)    | SPR FLOW SWITCH        | (CCB)     | CABLE CHANGE BOX  |
| (FAB)              | FIRE ALARM BELL                      | (LS)   | LEVEL SWITCH           | (---UE--- | U/G NETWORK CABLE |
| (MFA)              | MASTER FIRE ALARM BELL               | (VFAU) | VISUAL FIRE ALARM UNIT |           |                   |

REMARK:

1. ALL FIRE DETECTOR, MANUAL CALL POINT AND CONTROL/MONITORING MODULE ARE C/W BUILT-IN FAULT ISOLATOR.



B.D. REFERENCE NUMBER:

NOTES  
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1	8/22	AS BUILT		
2	6/22	FS 314 SUBMISSION		

CLIENT:  
博愛醫院  
Poa Chi Hospital

CLIENT:  
地產發展有限公司  
HENDERSON LAND DEVELOPMENT COMPANY LIMITED

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WT  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS  
18/F, 14 Tsimshoeng Street, Tsimshoeng Hong Kong  
T 852-2863 9888 F 852-2511 1728 www.wongtung.com

PROJECT STRUCTURAL/ M&E /  
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JRP  
禮信

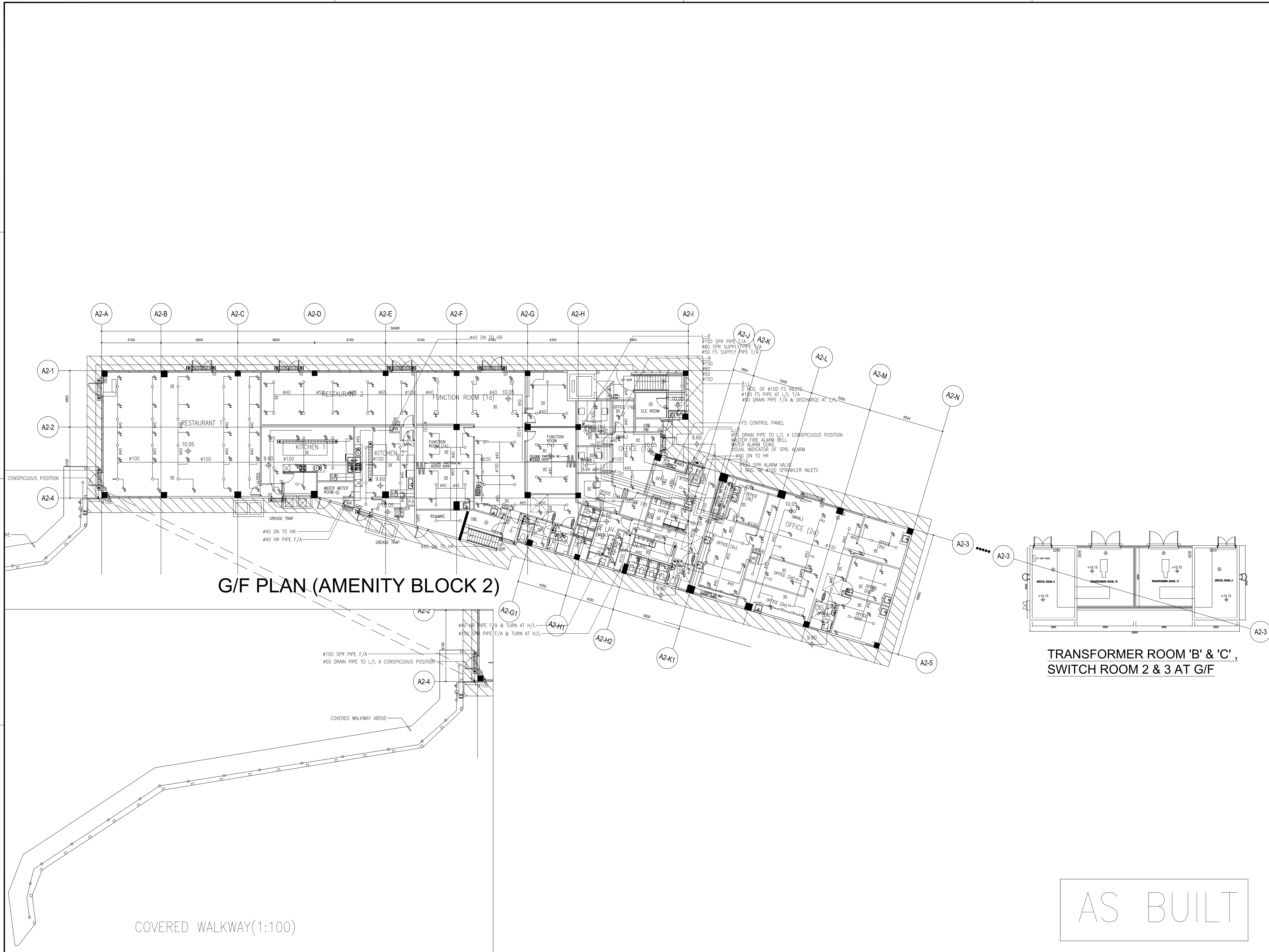
BUILDING SERVICES SUB-CONTRACTOR:  
AIE  
Anglo-Indo-China Co., Ltd.

FIRE SERVICES SUB-CONTRACTOR:  
Lee Yu Kee  
Fire Protection Ltd.

PROJECT:  
TRANSITIONAL HOUSING  
DEVELOPMENT AT KONG  
HA WAI, KAM TIN

TITLE:  
FIRE SERVICES -  
AUTOMATIC & MANUAL  
FIRE ALARM SYSTEM  
SCHEMATIC DIAGRAM AT  
AMENITY BLOCK 2  
(PHASE 2A)

DATE: 08/2022 SCALE: N.T.S.  
DRAWN: (signature) CHECKED: (signature) DESIGNED: (signature) REVIEWED: (signature)  
JOB NO. 32560 DRAWING NO. KHW/FS/P2A/F0-13 REV. NO. A



**G/F PLAN (AMENITY BLOCK 2)**

**TRANSFORMER ROOM 'B' & 'C', SWITCH ROOM 2 & 3 AT G/F**

COVERED WALKWAY(1:100)

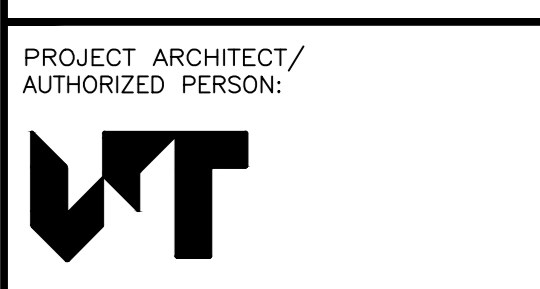
AS BUILT

B.D. REFERENCE NUMBER:

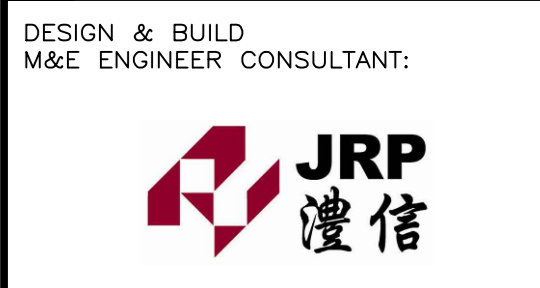
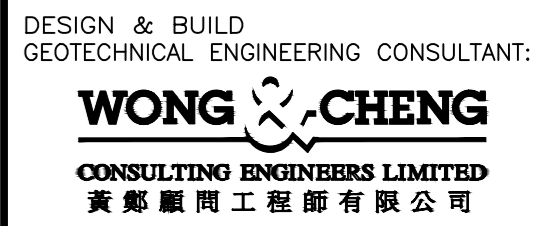
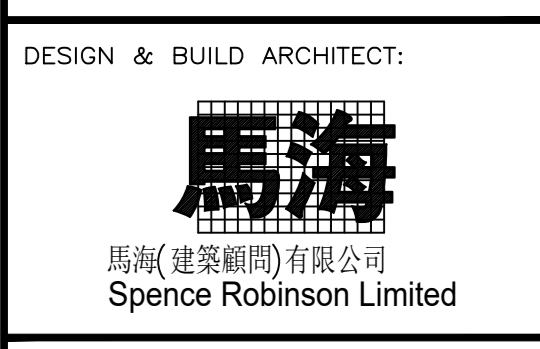
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PIPE SIZE	COLOUR
20mm	ORANGE
25mm	GREEN
32mm	RED
40mm	PURPLE
50mm	YELLOW
65mm	LIGHT BLUE
80mm	DARK GREEN
100mm	LIGHT BROWN
150mm	BROWN
200mm	DARK BLUE

NO.	DATE	REVISIONS	BY	CHECKED	APPROVED
-	8/22	AS BUILT			
-	6/22	FS 314 SUBMISSION			



**WONG TUNG & PARTNERS LIMITED**  
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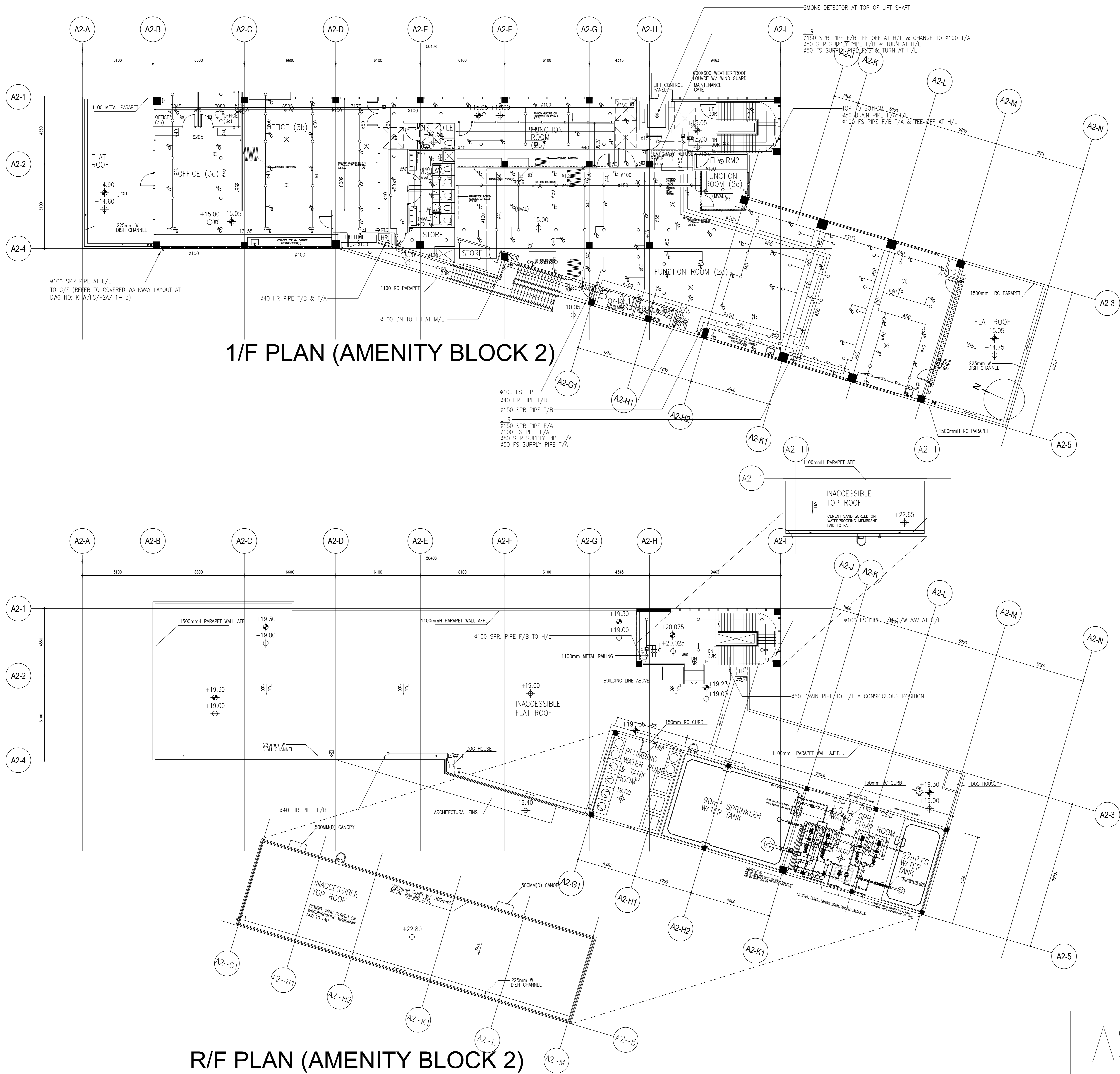


PROJECT:  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

TITLE:  
FIRE SERVICES - FS LAYOUT PLAN FOR AMENITY BLOCK 2 G/F, TRANSFORMER ROOM B & C, SWITCH ROOM 2 & 3 (PHASE 2A)

DATE	SCALE
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DRAWING NO.	CHECKED	DESIGNED	REVIEWED
32560	KHW/FS/P2A/F1-13		A



1/F PLAN (AMENITY BLOCK 2)

R/F PLAN (AMENITY BLOCK 2)

AS BUILT

**B.D. REFERENCE NUMBER:**

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2	6/22	FS 314 SUBMISSION		

**CLIENT:**  
博愛醫院  
POK Oi Hospital

**CLIENT:**  
恒基建設有限公司  
HENDERSON LAND DEVELOPMENT COMPANY LIMITED

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建信

**BUILDING SERVICES SUB-CONTRACTOR:**  
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Alliance Contracting Co., Ltd.

**FIRE SERVICES SUB-CONTRACTOR:**  
Lee Yu Kee  
Fire Protection Ltd.

**PROJECT:**  
TRANSITIONAL HOUSING DEVELOPMENT AT KONG HA WAI, KAM TIN

**TITLE:**  
FIRE SERVICES - FS LAYOUT PLAN FOR AMENITY BLOCK 2 1F RF, (PHASE 2A)

DATE	SCALE
08/2022	1:100

JOB NO.	DRAWING NO.	REV. NO.
32560	KHW/FS/P2A/F1-13A	A