

A) GENERAL NOTES

WORKS TO BE PROVIDED AND INSTALLED BY CONTRACTORS

1. THE CONTRACTORS SHALL BE RESPONSIBLE TO SUPPLY, DESIGN, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF THE FORWARD PROCURED EQUIPMENT (FPE) AS SHOWN ON COMPOSITE DRAWINGS.
2. THE CONTRACTORS SHALL CO-ORDINATE ON SITE WITH ALL RELEVANT PARTIES, IN PARTICULAR THE DESIGN AND BUILD CONTRACTOR, FOR THE INSTALLATION.
3. THE CONTRACTORS SHALL SUBMIT ALL FPE INSTALLATION DETAILS TO DESIGN AND BUILD CONTRACTOR FOR CO-ORDINATION AT LEAST 7 DAYS PRIOR TO INSTALLATION.
4. ALL DIMENSIONS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY. THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE SITE MEASUREMENT TO VERIFY ALL CRITICAL DIMENSIONS BEFORE INSTALLATION AND DELIVERY OF EQUIPMENT.
5. ALL FINAL CONNECTION FROM INTERFACING AND CAPPED OFF POINTS (E.G. ISOLATOR, VALVE, ETC.) TO FPE EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY CONTRACTORS.
6. ALL SERVICES IN DARK SOLID LINE AS SHOWN IN THE DRAWINGS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTORS UNLESS OTHERWISE SPECIFIED.
7. SETTING OUT OF B.S. PROVISIONS AND BUILDER'S WORKS FOR EQUIPMENT IS FOR INDICATION ONLY. EXACT LOCATION SHALL BE COORDINATED WITH THE DESIGN AND BUILD CONTRACTOR & VERIFIED ON SITE PRIOR TO INSTALLATION.
8. THE CONTRACTORS SHALL BE RESPONSIBLE TO SEAL UP ALL AROUND OF THE EQUIPMENT FOR AIR TIGHTNESS INCLUDING AIR TIGHT CEILING OPENING, CEILING JUNCTION, HANGER WALL, SUNKEN SLAB, INTERFACE BETWEEN FLOOR FINISH AND EQUIPMENT, ETC. IF APPLICABLE.
9. THE CONTRACTORS SHALL BE RESPONSIBLE TO SUPPLY AND INSTALL ALL REQUIRED MATERIAL, FITTING, CABLES, PIPEWORKS, DUCTWORKS, ETC. FOR CONNECTING THE EQUIPMENT TO THE CORRESPONDING BUILDING SERVICES PROVISION BY DESIGN AND BUILD CONTRACTOR AND DESIGN AND BUILD CONTRACTOR'S SUBCONTRACTORS AS SHOWN ON THE COMPOSITE DRAWINGS. ANY REVISION OR ADDITIONAL WORKS ON THE BUILDING SERVICES PROVISIONS, INCLUDING BUT NOT LIMITED TO FIRE SERVICE, LIGHTING, AIR-CONDITIONING & MECHANICAL VENTILATION, DRAINAGE, WATER SUPPLY POINT, MEDICAL GAS OUTLET, ETC., SHALL BE RESPONSIBLE BY CONTRACTORS TO ENSURE THE DESIGN PERFORMANCE WOULD BE NOT AFFECTED AND DEGRADED AFTER INSTALLATION OF EQUIPMENT.
10. THE CONTRACTORS SHALL ENSURE THAT THEIR EQUIPMENT CAN BE DELIVERED TO SITE UPON COORDINATION AND AGREEMENT WITH DESIGN AND BUILD CONTRACTOR ON THE DELIVERY ROUTE AND WORKING SCHEDULE. ALL COSTS FOR ADDITIONAL OR MODIFICATION WORKS RELATED TO BUILDER WORKS SHALL BE BORNE BY THE CONTRACTORS.
11. ALL EQUIPMENT WALL AND FALSE CEILING PANEL CUT OFF, PIPE SLEEVE, SEALING AND MAKE GOOD WORKS SHALL BE DESIGNED, PROVIDED & INSTALLED BY THE CONTRACTORS.
12. SUPPORTING FRAME FOR FPE EQUIPMENT SHALL BE DESIGNED, PROVIDED & INSTALLED BY THE CONTRACTORS, UNLESS OTHERWISE SPECIFIED.
13. THE CONTRACTORS SHALL BE RESPONSIBLE FOR COVER UP ALL CABLE CONTAINMENT (TRUNKING & JUNCTION).
14. THE CONTRACTORS SHALL BE RESPONSIBLE TO DESIGN THE PROVISION FOR MAINTENANCE (E.G. MOUNTING HOOD, ACCESS PANEL, ACCESS DOOR, ETC).
15. ALL FINAL CONNECTION FROM ISOLATION / GATE VALES AND CAPPED-OFF POINTS TO FPE EQUIPMENT WOULD BE PROVIDED AND INSTALLED BY THE CONTRACTORS.
16. THE CONTRACTORS SHALL BE RESPONSIBLE TO ENSURE THEIR INSTALLATION TO COMPLY WITH ALL RELEVANT REGULATION, GUIDELINE, STANDARD, ETC.
17. ALL TEMPORARY WORKING PLATFORM SUCH AS SCAFFOLDING AND MOBILE PLATFORM, ETC. FOR EQUIPMENT INSTALLATION SHALL BE PROVIDED BY THE CONTRACTORS. SAFE WORKING PLATFORM TO THE SATISFACTION OF THE DESIGN AND BUILD CONTRACTOR TO BE PROVIDED BY THE CONTRACTORS.
18. EQUIPOTENTIAL BONDING FOR MEDICAL EQUIPMENT SHOULD BE FINISHED BY THE CONTRACTORS.
19. IF ANY WATER CONNECTION FROM BUILDING CENTRAL WATER SUPPLY SYSTEM, THE CONTRACTORS SHALL EMPLOY LICENSED PLUMBER TO CARRY OUT ALL SUBMISSION (E.G WWO 542 AND WWO46,ETC) AND INSTALLATION / WORKS TO FULFILL WSD REQUIREMENTS.
20. THE CONTRACTORS SHALL BE RESPONSIBLE FOR ALL STATUTORY SUBMISSIONS FOR ANY REVISION OR ADDITIONAL WORKS ON SITE TO SUIT THE INSTALLATION AND DAILY OPERATION OF THE EQUIPMENT IF REQUIRED.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING UP THE RESERVED WALL OPENING AND PROVIDING AND INSTALLING THE APPROPRIATE FIRE BARRIERS, FIRE-STOP SEALANTS, FIRE-STOP BLOCKS, ETC. AS NECESSARY TO MAINTAIN THE FIRE RESISTANCE RATING, WHERE APPLICABLE.
22. THE CONTRACTORS SHALL BE RESPONSIBLE TO RE-PROVIDE, REINSTATE AND MAKE GOOD OF THE FIRE BARRIERS, FIRE-STOP SEALANTS, FIRE-STOP BLOCKS, ETC. FOR FIRE COMPARTMENTATION, FIRE RATED ENCLOSURE, CABLE TRAYS, PIPES AND OTHER PENETRATIONS REQUIRED FOR EQUIPMENT INSTALLATION TO MAINTAIN THE FIRE RESISTANCE RATING, WHERE APPLICABLE.
23. THE DETAIL OF WORKS DEMARCATION BETWEEN THE CONTRACTOR AND THE DESIGN AND BUILD CONTRACTOR SHALL BE REFERRED TO THE LAYOUT AND ELEVATION DRAWINGS.

B) LEGEND

ELECTRICAL INSTALLATION

ZZ XX DP SWITCHED 13A FUSED SPUR UNIT WITH PILOT LIGHT (MOUNTING LEVEL AT 300mm AFCL, UNLESS OTHERWISE SPECIFIED)  
"XX" DENOTED THE POWER SUPPLY, E FOR ESSENTIAL, U FOR UPS, INTEGRATED WITH PILOT LIGHT FOR SOCKET AND FUSE SPUR UNIT

EXTRA LOW VOLTAGE INSTALLATION

①②③ BS4662 BASE BOX W/ BLANK PLATE COVER C/W 1 NO. Ø25mm G.I. CONDUIT BY DESIGN AND BUILD CONTRACTOR, DATA PORT W/ COVER PLATE C/W DATA CABLE BY OTHERS (I.E. IT VENDOR, OTHER SYSTEM VENDOR)  
D1: CMH IT SYSTEMS  
D2: F&E SYSTEMS  
D3: BUILDING & OTHER RELATED SYSTEMS

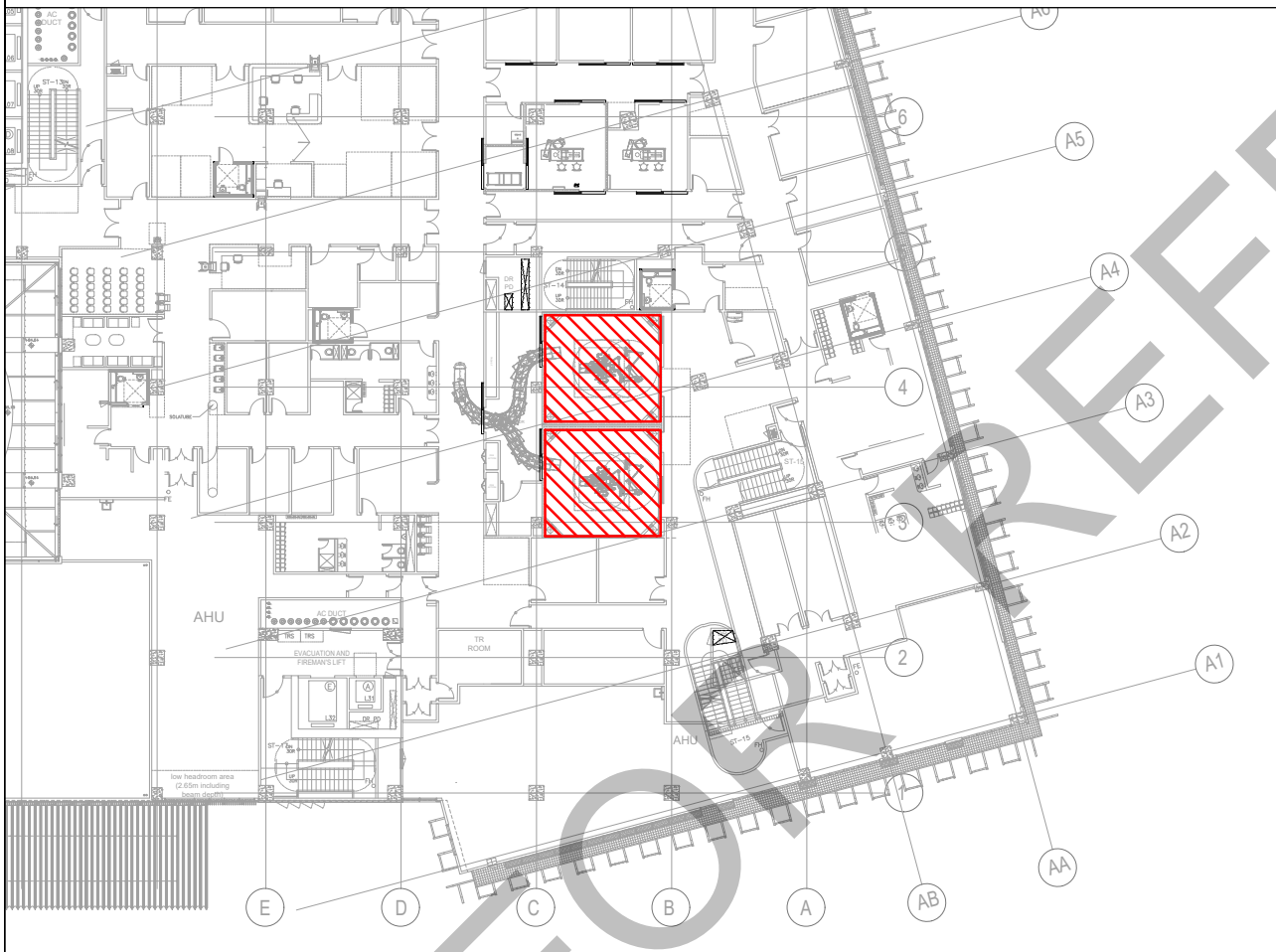
REFLECTED CEILING PLAN

31 1200mmx300mm RECESSED TYPE 3x20W T5 LED LAMP SOURCE (R90) LED LIGHT PANEL WITH PRISMATIC DIFFUSER  
D2C RECESSED 1X12W LED DOWNLIGHT TO IP65 WHITE TRIM WITH LED DRIVER AND CBS KIT  
S MULTI SENSOR SMOKE & HEAT DETECTOR  
SP FAST RESPOND SPRINKLER HEAD (PRE-ACTION SYSTEM)

C) ROOM CONDITIONS

ROOM NAME: MINOR OPERATING THEATRE (C1.2.1)

- a) TEMPERATURE IN SUMMER & WINTER : 20°C
- b) HUMIDITY IN SUMMER & WINTER : 50%RH
- c) FALSE CEILING LEVEL : 3000mm AFFL
- d) ILLUMINATION LEVEL : 1000 LUX
- e) PRESSURE : +25PA
- f) CEILING FINISH : ALUMINUM TILE SUSPENDED CEILING (WET/CLINICAL AREAS) AIR TIGHT
- g) WALL FINISH : ANTISEPTIC, SEAMLESS WALL COATING SYSTEM
- h) FLOOR FINISH : VINYL SHEET (NON-STATIC & NON-SLIP) ON SCREED
- i) SKIRTING FINISH : VINYL-COVERED WITH ALUMINUM EDGE
- j) CEILING SLAB IMPOSED LOAD : 1.5kPa



C1.2.1 MINOR OPERATING THEATRE AT 3/F  
SCALE 1 : 500

COMPOSITE DRAWING SUBMISSION

REVISIONS		
NUMBER	DESCRIPTION	DATE
0	FIRST SUBMISSION	NOV 2022
1	SECOND SUBMISSION	MAR 2023
2	THIRD SUBMISSION	JUL 2023

MAIN CONTRACTOR:  
中國建築工程(香港)有限公司  
CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LIMITED

ARCHITECT  
王歐陽(香港)有限公司  
WONG & OUYANG (H.K.) LTD

STRUCTURAL ENGINEER  
SW

BUILDING SERVICES ENGINEER  
wsp

LANDSCAPE DESIGNER  
ADI

INTERIOR DESIGNER  
V

MODULAR CONSTRUCTION DESIGNER  
中國建築建築科技有限公司  
CHINA STATE BUILDING CONSTRUCTION TECHNOLOGY COMPANY LIMITED

MEDICAL CONSULTANT  
中國國際醫藥產業發展有限公司  
CHINA STATE CONSTRUCTION INT'L MEDICAL INDUSTRY DEVELOPMENT CO. LTD.

CONTRACT NO.  
SS K514

PROGRAMME NO.  
116MH

PROJECT  
DESIGN AND CONSTRUCTION OF CHINESE MEDICINE HOSPITAL AND GOVERNMENT CHINESE MEDICINES TESTING INSTITUTE IN TSEUNG KWAN O

DRAWING TITLE  
COMPOSITE DRAWING OF OPERATING LAMP  
GENERAL NOTES, LEGEND AND KEY PLAN

DRAWN BY RW/KL DATE JUL2023  
CHECKED BY KT DATE JUL2023

SCALE N.T.S. JOB NO. BJY

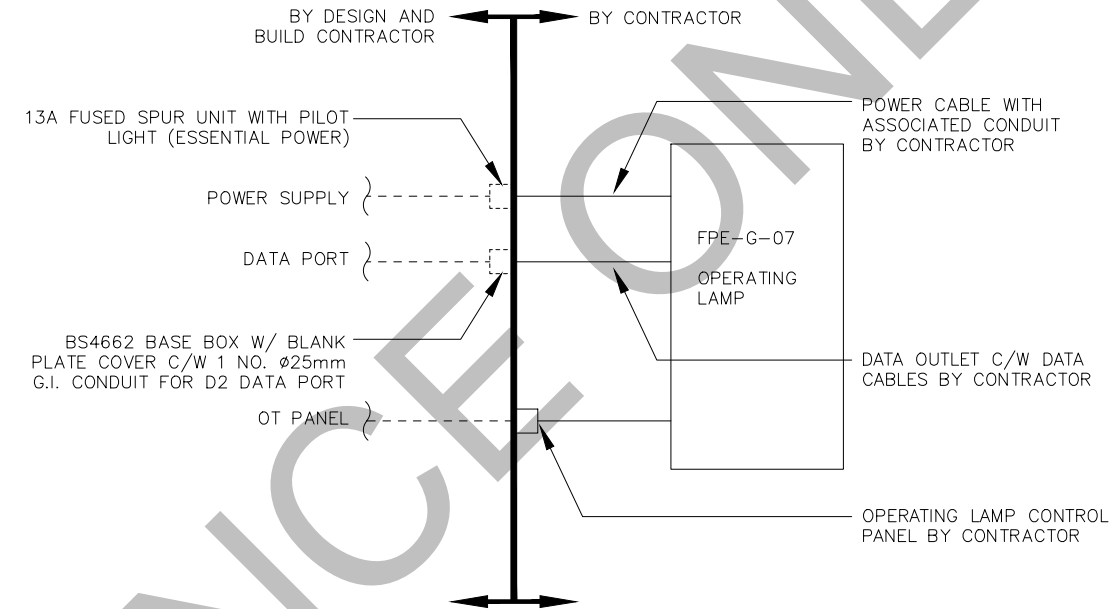
DRAWING NUMBER REV  
BS/BS15/A/COM/FPE-0-07/001 2

ARCHITECTURAL SERVICES DEPARTMENT

D) EQUIPMENT SCHEDULE AND DESIGN AND BUILD CONTRACTOR'S PROVISIONS

FPE ITEM NO	DESCRIPTION (QUANTITY)	DESIGN AND BUILD CONTRACTOR'S PROVISIONS	FLOOR / AREA (SOA REF.)
FPE-G-07	OPERATING LAMP (QTY: 1 SET PER ROOM) (TOTAL 2 NOS. OF ROOM)	1. POWER: 1x 13A FUSED SPUR UNIT WITH PILOT LIGHT (ESSENTIAL POWER) 2. DATA PORT: 2x BS4662 BASE BOX W/ BLANK PLATE COVER C/W 1 NO. Ø25mm G.I. CONDUIT FOR D2 DATA PORT	3F MINOR OPERATING THEATRE (C1.2.1)

D) DEMARCATION DIAGRAM:



F) DRAWING LIST


DRAWING NO.	REVISION	DRAWING TITLE
BS/8515/A/COM/FPE-G-07/001	2	COMPOSITE DRAWING OF OPERATING LAMP GENERAL NOTES, LEGEND AND KEY PLAN
BS/8515/A/COM/FPE-G-07/002	2	COMPOSITE DRAWING OF OPERATING LAMP DEMARCATION DIAGRAM, EQUIPMENT SCHEDULE, DESIGN AND BUILD CONTRACTOR'S PROVISIONS AND DRAWING LIST
BS/8515/A/COM/FPE-G-07/201	1	COMPOSITE DRAWING OF OPERATING LAMP 3F LAYOUT PLAN
BS/8515/A/COM/FPE-G-07/901	2	COMPOSITE DRAWING OF OPERATING LAMP ELEVATION 1
BS/8515/A/COM/FPE-G-07/301	0	COMPOSITE DRAWING OF OPERATING LAMP DETAILS OF OT CONTROL PANEL


COMPOSITE DRAWING SUBMISSION

REVISIONS		
NUMBER	DESCRIPTION	DATE
0	FIRST SUBMISSION	NOV 2022
1	SECOND SUBMISSION	MAR 2023
2	THIRD SUBMISSION	APR 2023

MAIN CONTRACTOR:  
 中國建築工程(香港)有限公司  
 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LIMITED

ARCHITECT  
 王歐陽(香港)有限公司  
 WONG & QIYANG (HK) LTD

STRUCTURAL ENGINEER  
 SWI

BUILDING SERVICES ENGINEER  
 WSP

LANDSCAPE DESIGNER  
 ADI

INTERIOR DESIGNER  
 V

MODULAR CONSTRUCTION DESIGNER  
 中國建築建造科技有限公司  
 CHINA STATE BUILDING CONSTRUCTION TECHNOLOGY COMPANY LIMITED

MEDICAL CONSULTANT  
 中國國際醫藥產業發展有限公司  
 CHINA STATE CONSTRUCTION INT'L MEDICAL INDUSTRY DEVELOPMENT CO., LTD.

CONTRACT NO.  
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PROJECT  
 DESIGN AND CONSTRUCTION OF CHINESE MEDICINE HOSPITAL AND GOVERNMENT CHINESE MEDICINES TESTING INSTITUTE IN TSEUNG KWAN O

DRAWING TITLE  
 COMPOSITE DRAWING OF OPERATING LAMP DEMARCATION DIAGRAM, EQUIPMENT SCHEDULE, DESIGN AND BUILD CONTRACTOR'S PROVISIONS AND DRAWING LIST

DRAWN BY RW/KL DATE APR2023

CHECKED BY KT DATE APR2023

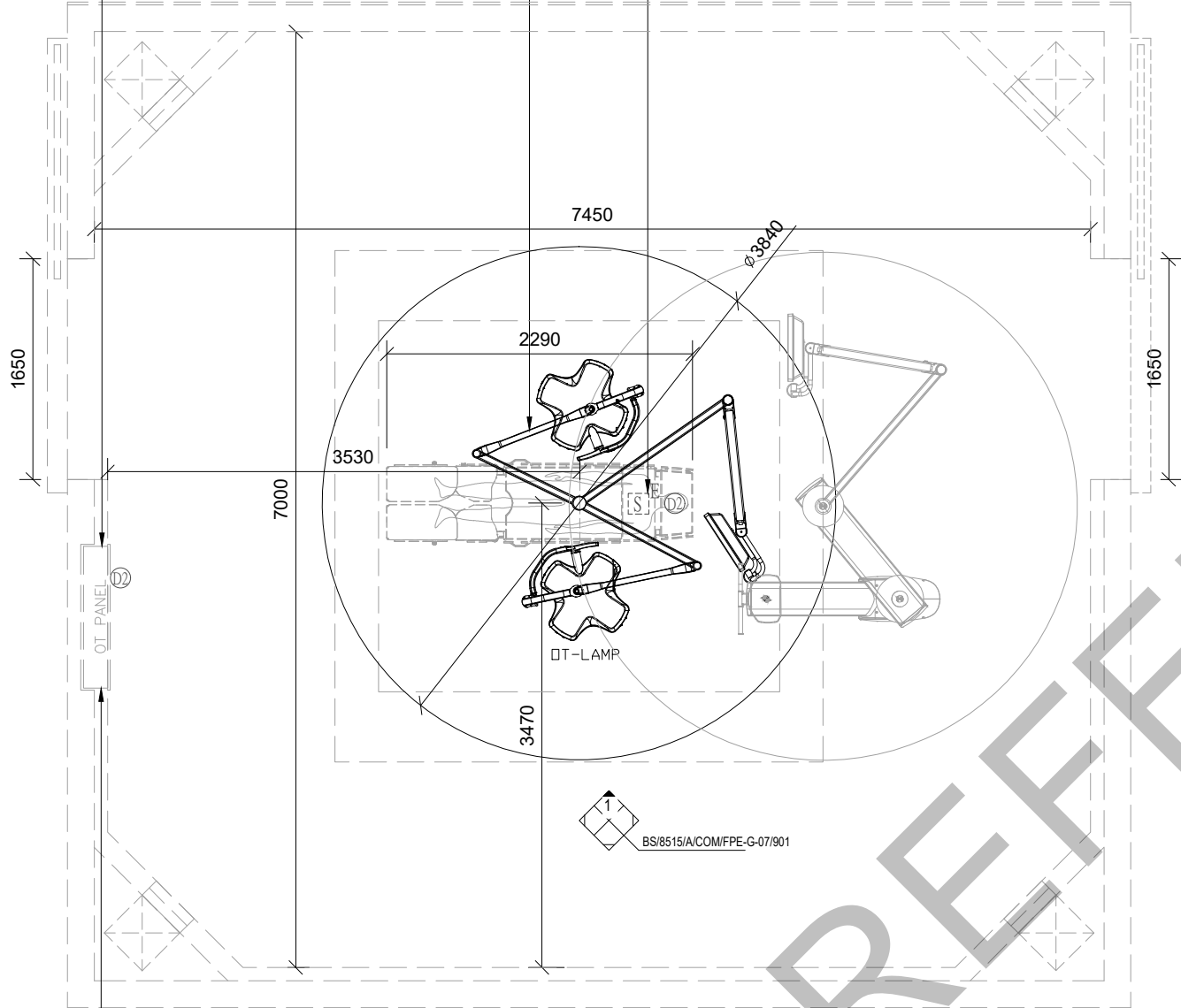
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DRAWING NUMBER BS/8515/A/COM/FPE-G-07/002 REV 2

ARCHITECTURAL SERVICES DEPARTMENT

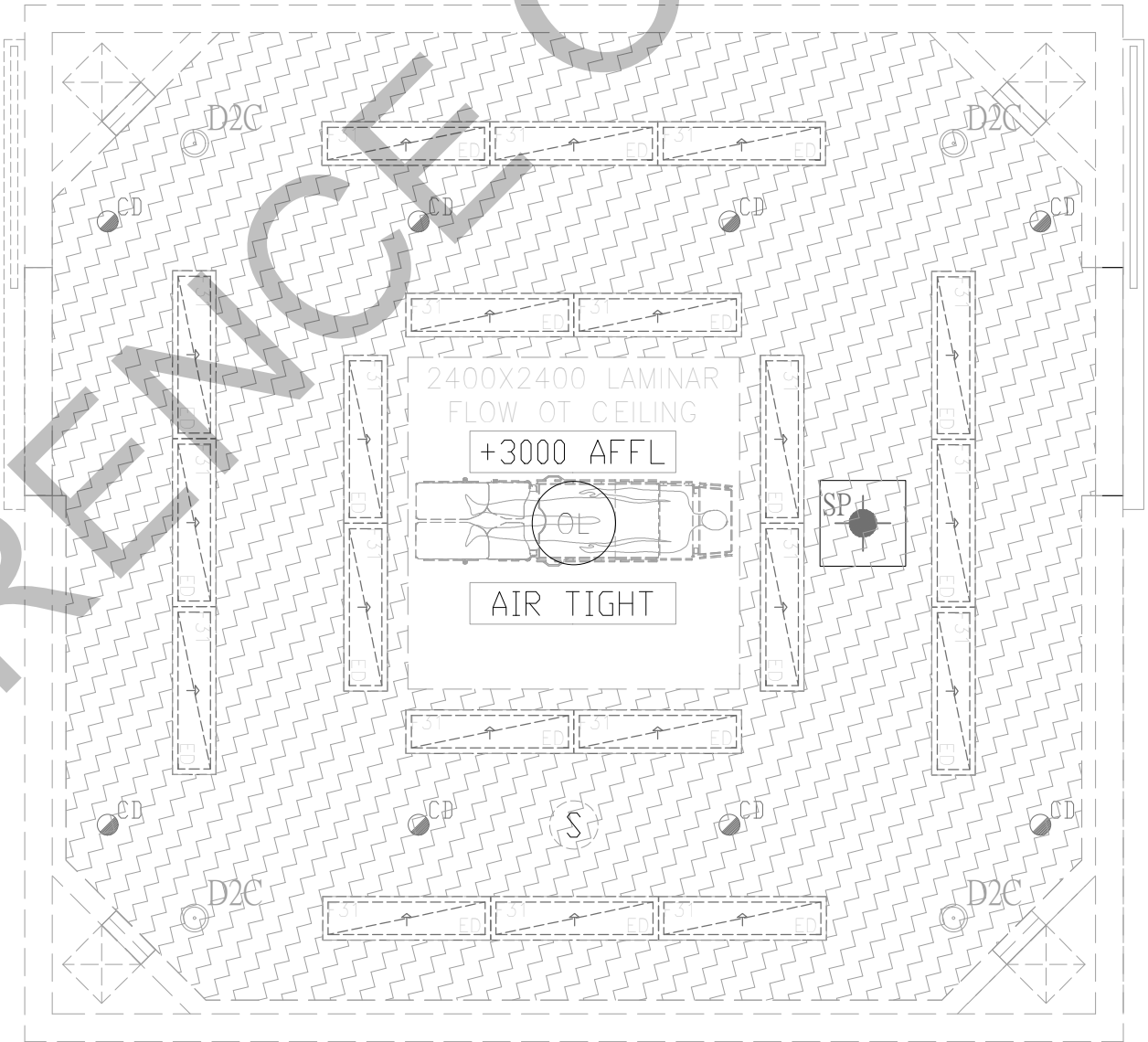
REVISIONS		
NUMBER	DESCRIPTION	DATE
0	FIRST SUBMISSION	NOV 2022
1	SECOND SUBMISSION	MAR 2023

- OT PANEL WITH BS4662 BASE BOX W/ BLANK PLATE COVER C/W 1 NO.  $\phi 25$ mm G.I. CONDUIT FOR D2 DATA PORT BY DESIGN AND BUILD CONTRACTOR
- FPE-G-07 OPERATION LAMP (INCLUDING 2 NOS. OF LAMP AND 1 NO. OF MONITOR) C/W CEILING SUPPORT TO SOFFIT BY CONTRACTOR
- FROM LEFT TO RIGHT (BY DESIGN AND BUILD CONTRACTOR AT 300mm AFCL)  
1x 13A FUSED SPUR UNIT WITH PILOT LIGHT (ESSENTIAL POWER);  
1x BS4662 BASE BOX W/ BLANK PLATE COVER C/W 1 NO.  $\phi 25$ mm G.I. CONDUIT FOR D2 DATA PORT



OPERATING LAMP CONTROL PANEL ON OT PANEL BY CONTRACTOR (DETAIL TO BE FURTHER COORDINATED WITH CONTRACTOR)

LAYOUT PLAN FOR FPE-G-07 OPERATING LAMP



REFLECTED CEILING PLAN FOR FPE-G-07 OPERATING LAMP

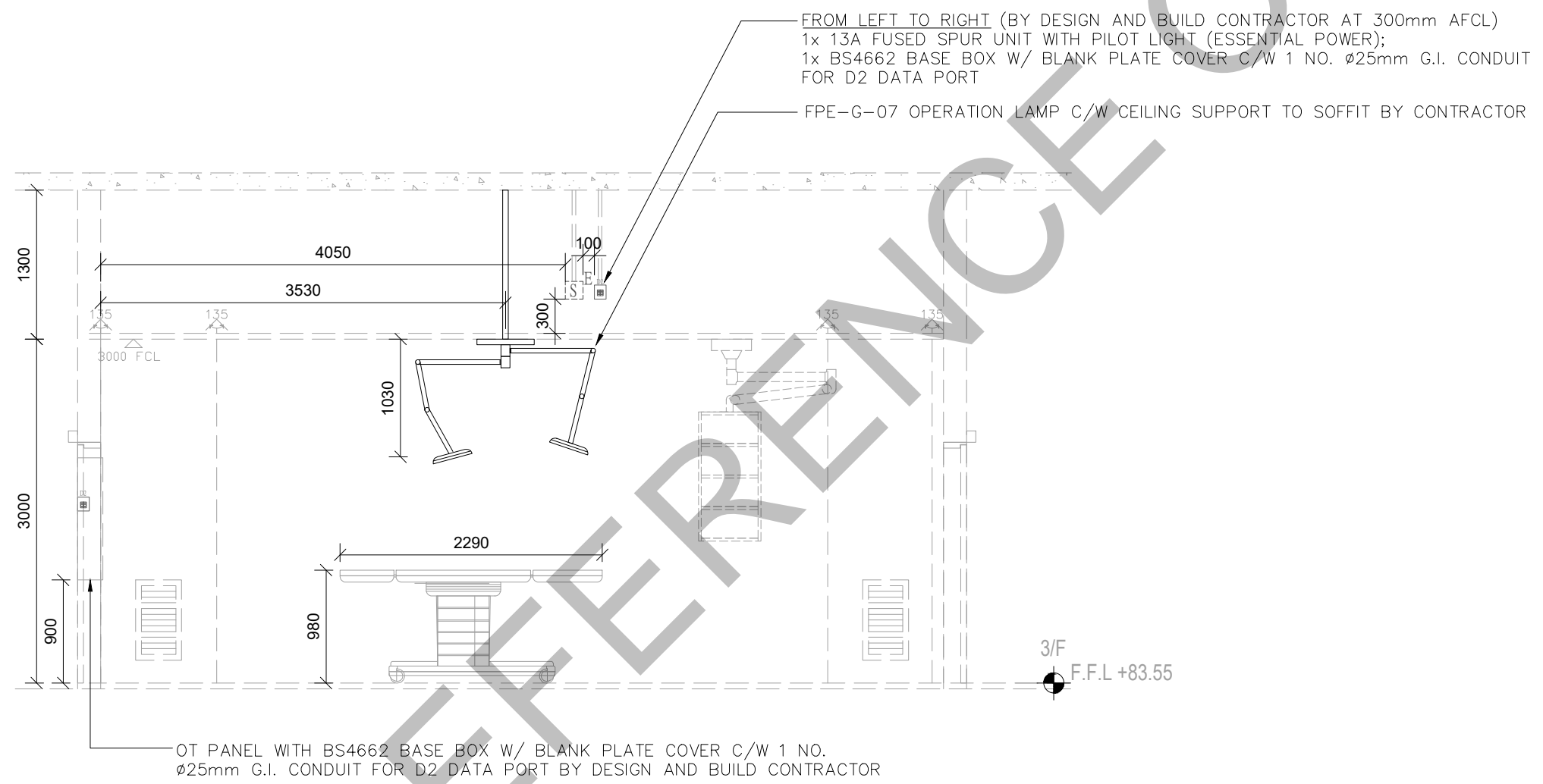
- MAIN CONTRACTOR: 中國建築工程(香港)有限公司 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LIMITED
- ARCHITECT: 王歐陽(香港)有限公司 WONG & OUYANG (HK) LTD
- STRUCTURAL ENGINEER: SW
- BUILDING SERVICES ENGINEER: wsp
- LANDSCAPE DESIGNER: ADI
- INTERIOR DESIGNER: V
- MODULAR CONSTRUCTION DESIGNER: 中國建築工程(香港)有限公司 CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LIMITED
- MEDICAL CONSULTANT: 中國國際醫藥產業發展有限公司 CHINA STATE CONSTRUCTION INT'L MEDICAL INDUSTRY DEVELOPMENT CO. LTD.

CONTRACT NO. SS K514  
 PROGRAMME NO. 116MH  
 PROJECT DESIGN AND CONSTRUCTION OF CHINESE MEDICINE HOSPITAL AND GOVERNMENT CHINESE MEDICINES TESTING INSTITUTE IN TSEUNG KWAN O

DRAWING TITLE  
 COMPOSITE DRAWING OF OPERATING LAMP 3F LAYOUT PLAN

DRAWN BY: RWL	DATE: MAR2023
CHECKED BY: KT	DATE: MAR2023
SCALE: 1:50	JOB NO.: BJY
DRAWING NUMBER: BS/8515/A/COM/FPE-G-07/001	REV: 1

FOR REFERENCE ONLY





COMPOSITE DRAWING SUBMISSION


REVISIONS		
NUMBER	DESCRIPTION	DATE
0	FIRST SUBMISSION	NOV 2022
1	SECOND SUBMISSION	MAR 2023
2	THIRD SUBMISSION	APR 2023


MAIN CONTRACTOR:  
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 WONG & OUYANG (HK) LTD

STRUCTURAL ENGINEER  


BUILDING SERVICES ENGINEER  


LANDSCAPE DESIGNER  


INTERIOR DESIGNER  


MODULAR CONSTRUCTION DESIGNER  
 中國建築建設科技有限公司  
 CHINA STATE BUILDING CONSTRUCTION TECHNOLOGY COMPANY LIMITED

MEDICAL CONSULTANT  
 中國國際醫藥產業發展有限公司  
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DRAWING TITLE  
 COMPOSITE DRAWING OF OPERATING LAMP ELEVATION 1

DRAWN BY: RWL DATE: APR 2023

CHECKED BY: KT DATE: APR 2023

SCALE: 1:50 JOB NO.: BJJ

DRAWING NUMBER	REV
BSR151/ACOM/FPE-G-07/01	2

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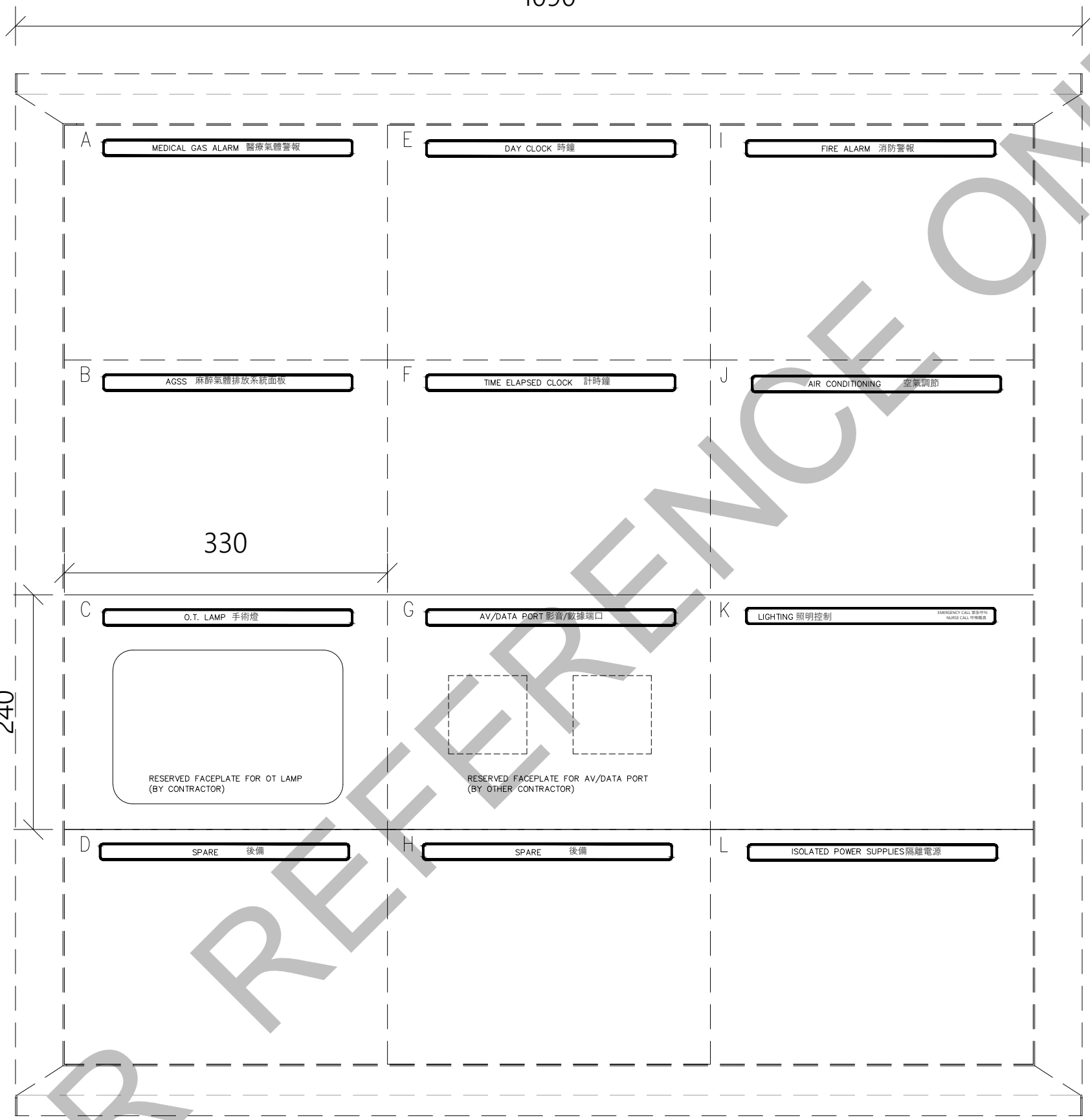
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1090

1065

240

330



OT CONTROL PANEL (BY DESIGN AND BUILD CONTRACTOR)  
 CONTRACTOR SHALL FURNISH DETAILS AND INTERFACING REQUIREMENT FOR  
 INSTALLATION OF CONTROL UNITS OF OT LAMP INTO CONTROL PANEL

COMPOSITE DRAWING SUBMISSION

REVISIONS		
NUMBER	DESCRIPTION	DATE
0	FIRST SUBMISSION	APR 2023

MAIN CONTRACTOR:

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ARCHITECT

 王歐陽(香港)有限公司  
 WONG & OUYANG ARCHITECTS

STRUCTURAL ENGINEER

 SWI

BUILDING SERVICES ENGINEER

 MSP


LANDSCAPE DESIGNER

 ADI


INTERIOR DESIGNER



MODULAR CONSTRUCTION DESIGNER

 中國建築建設科技有限公司  
 CHINA STATE BUILDING CONSTRUCTION TECHNOLOGY COMPANY LIMITED

MEDICAL CONSULTANT

 中國建築醫療產業發展有限公司  
 CHINA STATE CONSTRUCTION MEDICAL EQUIPMENT DEVELOPMENT CO., LTD.

CONTRACT NO. SS K514

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PROJECT  
 DESIGN AND CONSTRUCTION  
 OF CHINESE MEDICINE  
 HOSPITAL AND GOVERNMENT  
 CHINESE MEDICINES TESTING  
 INSTITUTE IN TSEUNG KWAN O

DRAWING TITLE  
 COMPOSITE DRAWING OF  
 OPERATING LAMP  
 DETAILS OF OT CONTROL PANEL

DRAWN BY RW/KL DATE APR2023

CHECKED BY KT DATE APR2023

SCALE N.T.S. JOB NO. BJY

DRAWING NUMBER REV  
 BS8515A/COMFPE-G-07301 0

 ARCHITECTURAL  
 SERVICES  
 DEPARTMENT