

ELECTRICAL SCOPE OF WORK:

1. LIGHTING

- 1.1 ANTI LIGATURE LIGHT FIXTURES HAVE BEEN SPECIFIED.
1.2 EXISTING SITE CONDITION: EMERGENCY LIGHTING IS 347V. NORMAL LIGHTING IS 120V. PROVIDE FOR SUFFICIENT ON INVESTIGATION TIME REQUIRED IDENTIFY, TAG AND TRACE CIRCUITS, AS REQUIRED DETERMINE EXACT FIXTURE WHICH ARE 347V.
1.3 PROPOSED 120V EMERGENCY LIGHTING. SEE SLD FOR FURTHER DETAIL.
1.4 THE REMAINING FLOOR AREA WHICH IS OUTSIDE OF THE SCOPE WORKS AREA WILL REMAIN 347V EMERGENCY LIGHTING.
1.5 LIGHTING CONTROL: EMERGENCY LIGHTING WILL REMAIN ON 24/7 THROUGHOUT ALL COMMON SPACES, I.E. EXCLUDING BEDROOMS.
1.6 LIGHTING CONTROL: IN ALL AREAS, PROVIDE ANTI LIGATURE TYPE LIGHT SWITCHES. DIMMABLE LIGHT FIXTURES SHALL BE PROVIDED. FINAL LOCATION OF ALL LIGHT SWITCHES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGH-IN.

- 1.7 EXISTING "SANUVOX" LIGHT SYSTEM IN THE WASHROOMS ON THIS PROJECT SHALL REMAIN. WHERE SHOWN TO BE REMOVED AND REINSTALLED, THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED OUTLET BOXES, CONDUIT, WIRING AND FINAL HOOK UP. RETAIN SERVICE OF PRESIDENTX PC TECHNOLOGIES INC. FOR INSTALLATION OF LVC LIGHTS AND CONTROL, AS PART OF CONTRACT.

2. POWER

- 2.1 ALL RECEPTACLES, EXISTING & NEW, SHALL BE REPLACED WITH NEW TAMPERPROOF HOSPITAL GRADE RECEPTACLES.
2.2 PROVIDE FOR VOLT DROP TO MEET Z-32 VOLTAGE DROP REQUIREMENTS, I.E. GREATER THAN THE MINIMUM, CABLE SIZES SHALL BE PROVIDED TO ACCOMMODATE FOR VOLTAGE DROP REQUIREMENT AS SET OUT IN Z-32.
2.3 PROVIDE MINIMUM #12AWG GROUNDING WIRE SIZE.
2.4 3RD PARTY Z-32 TESTING SHALL BE PROVIDED.

3. ACCESS CONTROL

- 3.1 PROVIDE RUGGED SMART CARD READERS BY ESSEX ELECTRONICS (KEYLESS.COM).
3.2 PROVIDE REQUEST TO EXIT BUTTON & MOTION DETECTOR, FROM SECURE SIDE OF THE ROOM, REQUEST TO EXIT BUTTON & MOTION DETECTION WILL ALLOW USER TO EXIT THE ROOM.
3.3 PROVIDE VANDAL RESISTANT AND ANTI LIGATURE TYPE PUSH TO OPEN / EXIT BUTTON IS REQUIRED FOR AUTOMATIC DOOR OPERATORS.
3.4 THE EXISTING SYSTEM IS BEING MAINTAINED BY AC TECH, CONTACT INFO: ROBERT HERN, TEL: 905-666-8676.
3.5 PROVIDE A COMPLETE DOOR ACCESS CONTROL SYSTEM WITH BACK BOXES, CONDUIT, WIRING, EQUIPMENT AND DEVICES. RETAIN SERVICE OF AC TECH FOR ALL WORK RELATED TO DOOR ACCESS CONTROL SYSTEM AS PART OF CONTRACT.

4. CCTV CAMERA

- 4.1 ANTI LIGATURE / VANDAL PROOF CAMERA SHALL BE PROVIDED. (5MP MINIMUM)
4.2 THE EXISTING SYSTEM IS BEING MAINTAINED BY AC TECH, CONTACT INFO: ROBERT HERN, TEL: 905-666-8676.
4.3 PROVIDE A COMPLETE CCTV CAMERA SYSTEM WITH BACK BOXES, CONDUIT, WIRING, EQUIPMENT AND DEVICES. RETAIN SERVICE OF AC TECH FOR ALL WORK RELATED TO CCTV CAMERA SYSTEM AS PART OF CONTRACT.

5. NURSE CALL

- 5.1 EXISTING NURSE CALL STATION ARE OF APPROVED QUALITY AND CAN REMAIN IN ITS EXISTING POSITION.
5.2 EXISTING SYSTEM TO BE EXTENDED WITH ANTI LIGATURE COMPONENTS.
5.3 IN LIEU OF PULL CORDS, PROVIDE PUSH BUTTON TYPE CONTROL, E.G. LIGHTING CONTROL BY BED, NURSE CALL BY BED.
5.4 PROVIDE DURESS PUSH BUTTON AT NURSE STATION.
5.5 PROVIDE A COMPLETE NURSE CALL SYSTEM WITH BACK BOXES, CONDUIT, WIRING, EQUIPMENT AND DEVICES. RETAIN SERVICE OF ASCOM FOR ALL WORK RELATED TO NURSE CALL SYSTEM AS PART OF CONTRACT.

6. ADDRESSABLE TWO STAGE FIRE ALARM SYSTEM

- 6.1 MAINTAINED BY ONYX FIRE. TEL: 416-674-5633
6.2 ANTI LIGATURE CEILING MOUNTED SMOKE DETECTOR WILL BE PROVIDED. SMOKE DETECTOR WITHIN BEDROOM SHALL BE PROVIDED RELAYS.
6.3 VANDAL RESISTANT FIRE ALARM SPEAKER WITH ANTI LIGATURE MOUNT WILL BE PROVIDED.
6.4 STROBES HAVE BEEN PROVIDED BOTH IN BEDROOMS AND IN CORRIDORS.
6.5 PROVIDE SAFETY COVER FOR FIRE ALARM DEVICES SUITABLE FOR THIS TYPE OF PROJECT.
6.6 PROVIDE FIRE ALARM ANNUNCIATOR BY NURSE STATION TO CAPTURE ALL SMOKE DETECTION FOR THE FLOOR AREA.
6.7 PROVIDE A COMPLETE FIRE ALARM SYSTEM WITH BACK BOXES, CONDUIT, WIRING, EQUIPMENT AND DEVICES. RETAIN SERVICE OF ONYX FIRE FOR ALL WORK RELATED TO FIRE ALARM SYSTEM AS PART OF CONTRACT, INCLUDING TESTING AND VERIFICATION.

7. WIRELESS ACCESS POINT

- 7.1 CAT 6 DATA WILL BE PROVIDED, WAP EQUIPMENT TO BE FREE ISSUED BY CLIENT, AND INSTALLED BY ELECTRICAL CONTRACTOR. ALLOW FOR UP 5M SLACK AT WAP LOCATIONS.

8. DATA/VOICE

- 8.1 CAT 6 CABLE SHALL BE PROVIDED.
8.2 PROVIDE ANTI LIGATURE VOICE/DATA OUTLETS WILL IN ALL AREAS.

9. PUBLIC ADDRESS SPEAKER (PA)

- 9.1 PROVIDE VANDAL RESISTANT PA SPEAKER WITH ANTI LIGATURE MOUNT IS REQUIRED.
9.2 RETAIN SERVICE OF ELEGANT TELECOM FOR ALL WORK RELATED TO PA SPEAKER AS PART OF CONTRACT.

10. STAFF PANIC BUTTONS

- 10.1 PROVIDE FOR INSTALLATION STAFF PANIC BUTTONS IN ALL ROOMS, (SEPARATE PRICE)
10.2 RETAIN SERVICE OF ASCOM FOR ALL WORK RELATED TO STAFF PANIC BUTTONS AS PART OF CONTRACT.

11. REAL TIME LOCATION SERVICES (RTLIS)

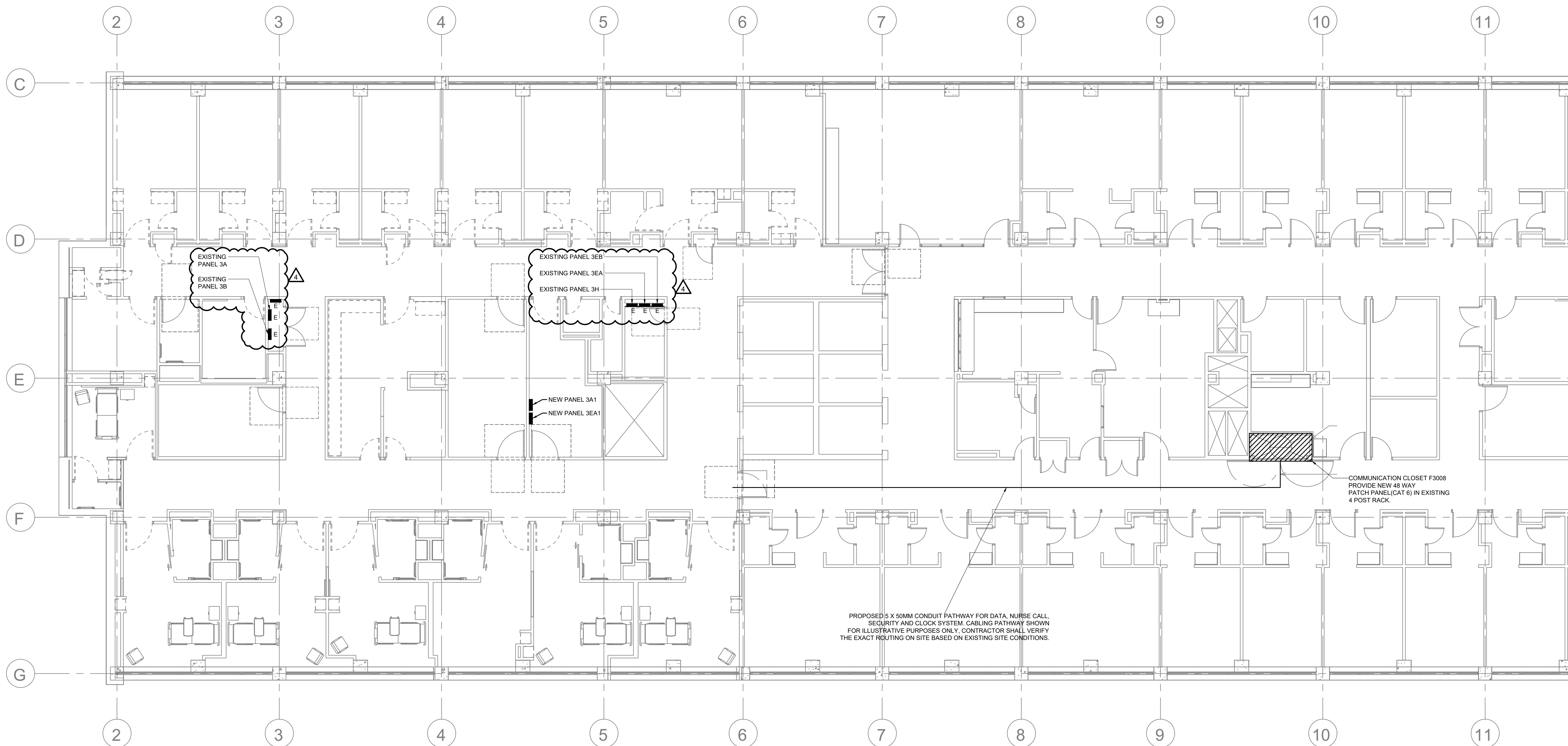
- 11.1 NONE.

12. TV

- 12.1 EXISTING COAXIAL CABLE SHALL REMAIN.
12.2 ANTI LIGATURE TYPE TV WILL BE PROVIDED AND CONNECTED TO THE COAXIAL PORT FOR PROPER FUNCTION. PROVIDE COVER.
12.3 ALL TV CABLES TO BE COAXIAL TYPE.

13. HEAD WALL UNIT

- 13.1 EXISTING HEAD WALL UNIT TO BE REPLACED WITH NEW (REFER TO ARCHITECTURAL DRAWINGS)
13.2 THE EXISTING RECEPTACLES SHALL BE REPLACED WITH NEW TAMPER PROOF HOSPITAL GRADE RECEPTACLES.
13.3 DATA AND RECEPTACLES TO BE ADDED TO NEW HEAD WALL UNIT, AS SHOWN ON THE DRAWINGS.



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NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	2025-06-25
2	RE-ISSUED FOR PERMIT	2025-09-12
3	ISSUED FOR TENDER	2025-10-22
4	ISSUED FOR ELECTRICAL ADDENDUM EA-01	2026-05-14

HRH Behavioural Unit

2111 Finch Ave W., North York, ON
M3N 1N1

SITE PLAN

PROJECT NUMBER: HC-25-054

DATE: MAY 30, 2025

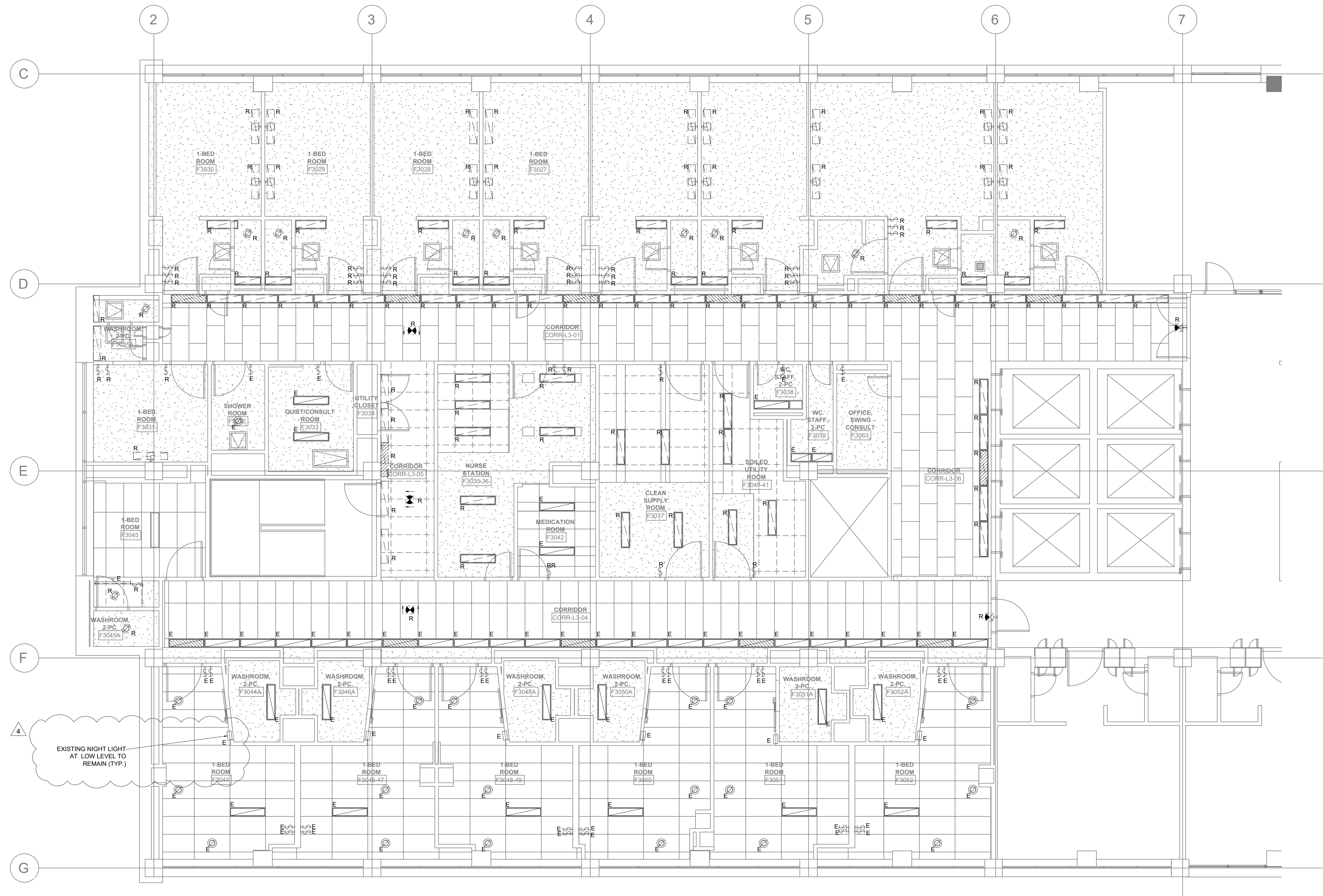
SCALE: As indicated

SHEET NUMBER:

E-100

E-100 SITE PLAN
SCALE: 1:100

1. ELECTRICAL EQUIPMENT REMOVED MUST BE ISOLATED AND DISCONNECTED AT THE SOURCE PRIOR TO REMOVAL OPERATIONS. DURING ISOLATION AND DISCONNECTION PROCEDURES DANGER TAGS MUST BE USED TO IDENTIFY ANY FEEDERS OR EQUIPMENT REMAINING ENERGIZED TO ACCOMMODATE NEW CONSTRUCTION. UPDATE TYPE WRITTEN PANEL BOARD DIRECTORIES TO REFLECT 'SPARES' FOR CIRCUITS BEING DEMOLISHED
2. ALL WIRING AND CONDUIT FOR EXISTING ELECTRICAL EQUIPMENT BEING REMOVED MUST BE CAPPED OFF UNLESS SPECIFICALLY DESIGNATED FOR REUSE, RELOCATION, OR REINSTALLATION, OR PRIOR WRITTEN APPROVAL HAS BEEN RECEIVED FROM CONSULTANT. ALL REDUNDANT CABLING SHALL BE REMOVED FROM SPACE
3. CONTRACTOR TO COMPLETE SITE VISIT IN ORDER TO VERIFY EXISTING SITE CONDITIONS AND DEVICES PRIOR TO ANY WORKS. ALL CIRCUIT REFERENCES TO BE SITE VERIFIED USING CIRCUIT TESTER AND PANEL SCHEDULES TO BE UPDATED ACCORDINGLY.
4. EXISTING FIRE ALARM CIRCUITING PASSING THROUGH THE DEMOLITION SCOPE AREA TO BE PROTECTED DURING DEMOLITION PHASE.
5. PROTECT EXISTING TO REMAIN EQUIPMENT DURING DEMOLITIONS PHASE. PROVIDE TEMPORARY SUPPORT AS REQUIRED AND REINSTALL AS PER NEW CEILING LAYOUT. SEE ARCHITECTURAL DRAWING FOR FURTHER DETAIL. CONTRACTOR SHALL ENSURE THAT EXISTING SERVICES ON THIS LEVEL WHICH SERVE AREAS OUTSIDE OF THE SCOPE ARE DIVERTED OR AVOIDED DURING CONSTRUCTION.
6. DEMOLITION OF ALL ELECTRICAL SERVICES, DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH OWNER AND MADE SAFE AND GOOD. COORDINATE ALL DEMOLITION WORKS ON SITE BASED ON SITE CONDITIONS.
7. NOT ALL EXISTING EQUIPMENT IS SHOWN ON THE LIGHT LAYOUT. EXISTING EQUIPMENT TO REMAIN, UNLESS OTHERWISE REQUESTED BY PROJECT ADMINISTRATOR OR SHOWN ON THE DRAWING.



1 LIGHTING - DEMOLITION PLAN
SCALE: 1:75



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LIGHTING - DEMOLITION PLAN

PROJECT NUMBER: HC-25-054

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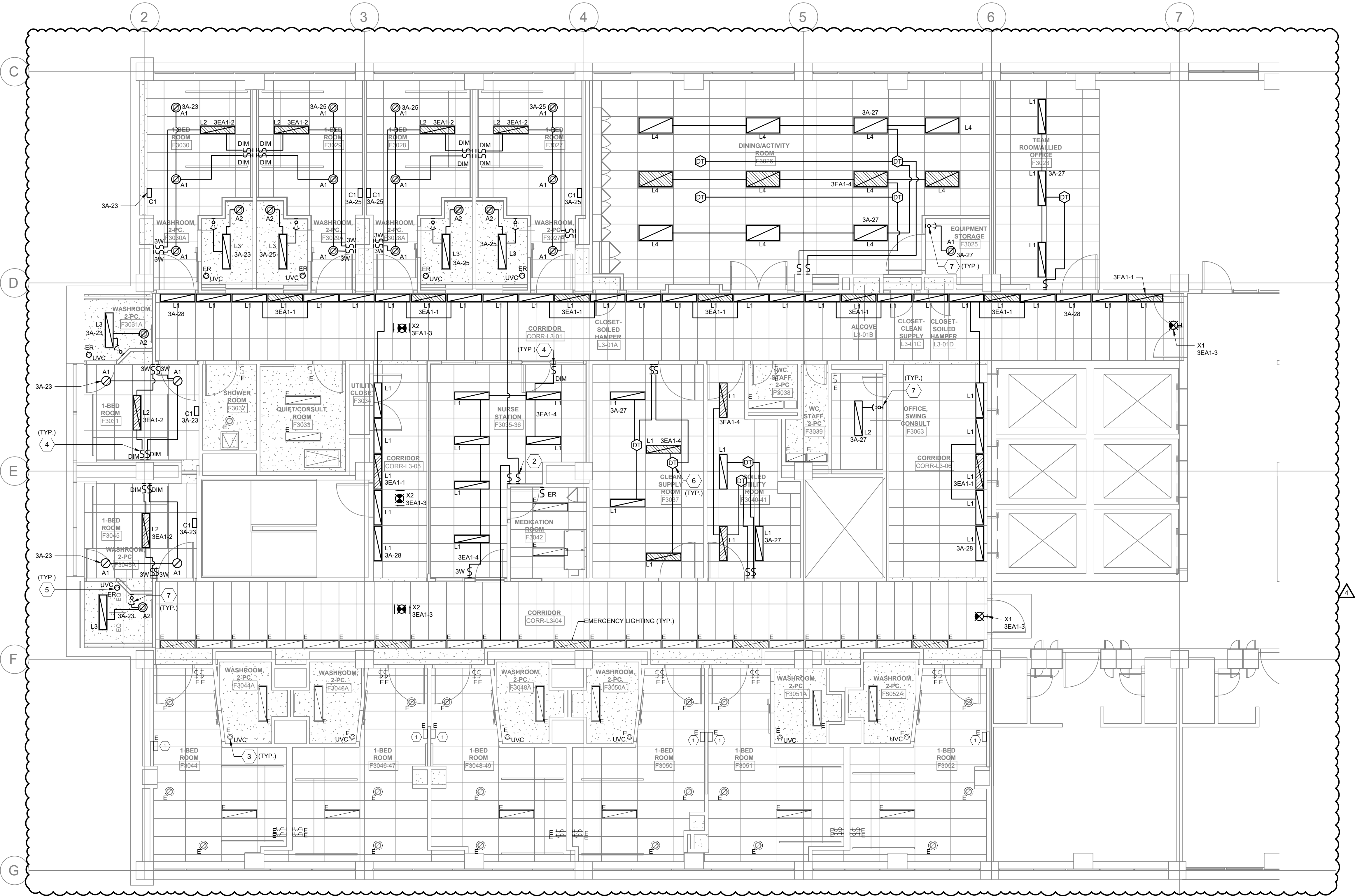
E-200

NOTES - LIGHTING NEW WORK

- 1 COMPLY WITH THE ONTARIO ELECTRICAL SAFETY CODE, CSA-Z32 AND THE ONTARIO BUILDING CODE. SUBMIT FINAL INSPECTION CERTIFICATE UPON COMPLETION OF WORK TO OWNER.
- 2 ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL AND EQUIPMENT VENDOR DRAWINGS. SUBSEQUENTLY ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL SUB-TRADES AND EQUIPMENT VENDOR.
- 3 PROVIDE LAMACOID IDENTIFICATION NAMEPLATES FOR ALL EQUIPMENT, FEEDERS, DISCONNECTS, LIGHT SWITCHES AND HOSPITAL GRADE RECEPTACLES.
- 4 ALL ELECTRICAL SERVICES SHALL COMPLY WITH CSA-Z32 STANDARDS. ALL RECEPTACLES ARE 'INTERMEDIATE CARE' AND REQUIRES THIRD PARTY TESTING IN THE SCAN ROOM.
- 5 ELECTRICAL EQUIPMENT REMOVED MUST BE ISOLATED AND DISCONNECTED AT THE SOURCE PRIOR TO REMOVAL OPERATIONS. DURING ISOLATION AND DISCONNECTION PROCEDURES DANGER TAGS MUST BE USED TO IDENTIFY ANY FEEDERS OR EQUIPMENT REMAINING ENERGIZED TO ACCOMMODATE NEW CONSTRUCTION. UPDATE TYPE WRITTEN PANEL BOARD DIRECTORIES TO REFLECT 'SPARES' FOR CIRCUITS BEING DEMOLISHED
- 6 ALL WIRING AND CONDUIT FOR EXISTING ELECTRICAL EQUIPMENT BEING REMOVED MUST BE CAPPED OFF UNLESS SPECIFICALLY DESIGNATED FOR REUSE, RELOCATION, OR REINSTALLATION, OR PRIOR WRITTEN APPROVAL HAS BEEN RECEIVED FROM CONSULTANT. ALL REDUNDANT CABLING SHALL BE REMOVED FROM SPACE
- 7 PROVIDE FIRE STOP TO ALL NEW AND EXISTING PENETRATION WITHIN THE PROJECT SCOPE AREA.
- 8 ALL EXISTING LIGHT FIXTURES TO REMAIN AS EXISTING, LIGHTING CONTROL TO BE REVISED TO SUIT RENOVATION
- 9 REUSE EXISTING BACKBOX, WIRING, AND CONDUIT WHERE SUITABLE.
- 10 NOT ALL EXISTING EQUIPMENT IS SHOWN ON THE LIGHT LAYOUT. EXISTING EQUIPMENT TO REMAIN, UNLESS OTHERWISE REQUESTED BY PROJECT ADMINISTRATOR OR SHOWN IN THE DRAWING.

KEYNOTES - LIGHTING NEW WORK

- 1 EXISTING NIGHT LIGHT WITH BUILT-IN PHOTOCELL TO REMAIN.
- 2 PROVIDE LIGHT SWITCH TO CONTROL LIGHT FIXTURES IN CORRIDOR.
- 3 EXISTING UVC LIGHT (SANUVOX) TO REMAIN.
- 4 PROVIDE WALL MOUNT 0-10V LED DIMMER WATTSTOPPER #RH4FBL3PW.
- 5 EXISTING UVC LIGHT (SANUVOX) AT NEW LOCATION. PROVIDE NEW CONDUIT, WIRING AND ADJUST TO SUIT. RETAIN SERVICE OF PRESCIENT X IPC TECHNOLOGIES INC FOR REWORK OF UVC LIGHTS AS PART OF CONTRACT.
- 6 PROVIDE DUAL TECHNOLOGY LINE VOLTAGE 120 VOLT CEILING MOUNT OCCUPANCY SENSOR WATTSTOPPER #DT-355-W.
- 7 PROVIDE INFRARED LINE VOLTAGE 120 VOLT WALL MOUNT OCCUPANCY SENSOR WATTSTOPPER #PW-301-W.



1 LIGHTING - NEW WORK PLAN
SCALE: 1:75



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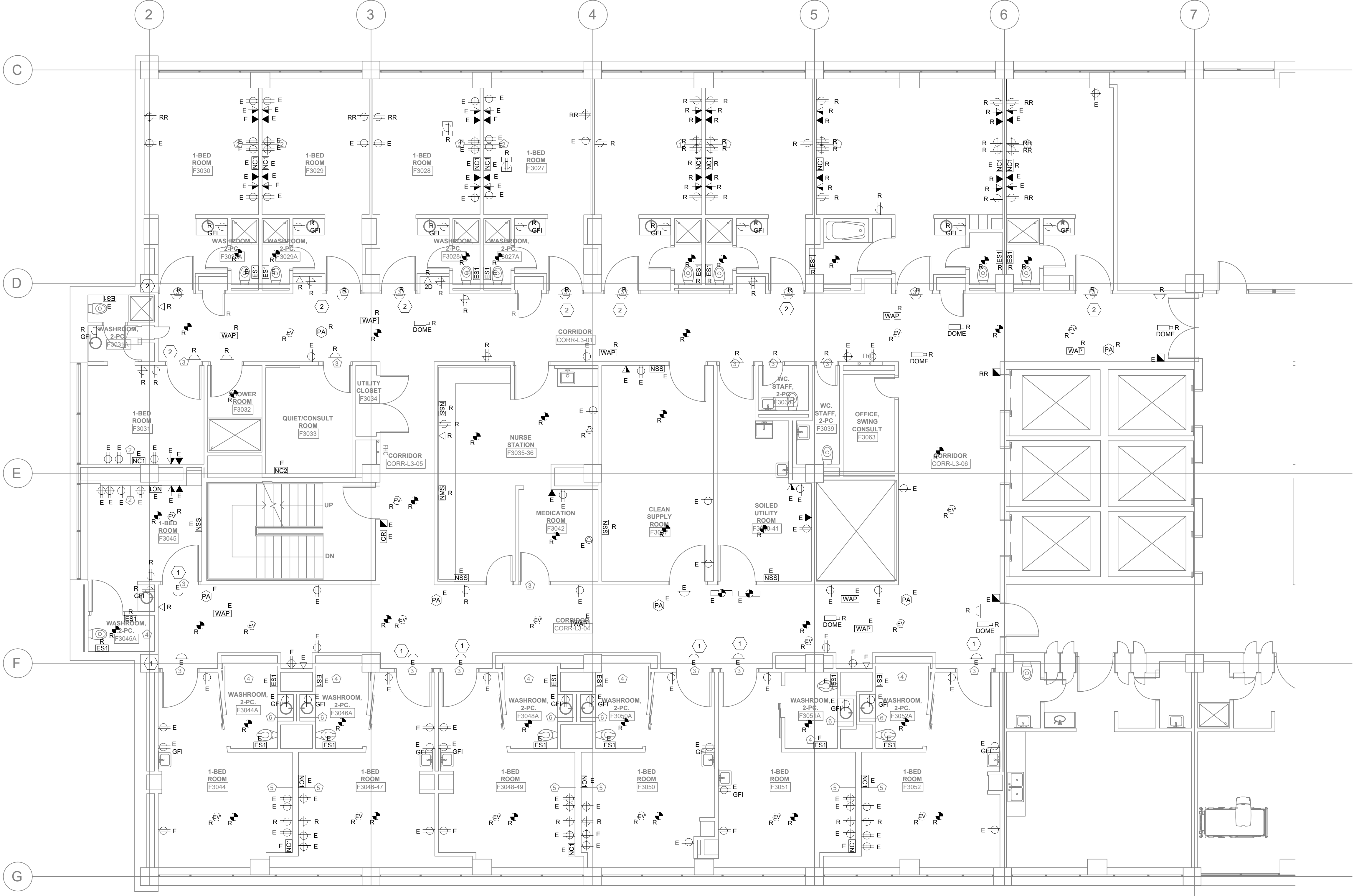
E-250

NOTES - POWER AND SYSTEMS DEMOLITION

1. ELECTRICAL EQUIPMENT REMOVED MUST BE ISOLATED AND DISCONNECTED AT THE SOURCE PRIOR TO REMOVAL OPERATIONS. DURING ISOLATION AND DISCONNECTION PROCEDURES DANGER TAGS MUST BE USED TO IDENTIFY ANY FEEDERS OR EQUIPMENT REMAINING ENERGIZED TO ACCOMMODATE NEW CONSTRUCTION. UPDATE TYPE WRITTEN PANEL BOARD DIRECTORIES TO REFLECT 'SPARES' FOR CIRCUITS BEING DEMOLISHED
2. ALL WIRING AND CONDUIT FOR EXISTING ELECTRICAL EQUIPMENT BEING REMOVED MUST BE CAPPED OFF UNLESS SPECIFICALLY DESIGNATED FOR REUSE, RELOCATION, OR REINSTALLATION, OR PRIOR WRITTEN APPROVAL HAS BEEN RECEIVED FROM CONSULTANT. ALL REDUNDANT CABLING SHALL BE REMOVED FROM SPACE
3. CONTRACTOR TO COMPLETE SITE VISIT IN ORDER TO VERIFY EXISTING SITE CONDITIONS AND DEVICES PRIOR TO ANY WORKS. ALL CIRCUIT REFERENCES TO BE SITE VERIFIED USING CIRCUIT TESTER AND PANEL SCHEDULES TO BE UPDATED ACCORDINGLY.
4. EXISTING FIRE ALARM SYSTEM IS EDWARDS. EXISTING CIRCUITING PASSING THROUGH THE DEMOLITION SCOPE AREA TO BE PROTECTED DURING DEMOLITION PHASE.
5. PROTECT EXISTING TO REMAIN EQUIPMENT DURING DEMOLITIONS PHASE. PROVIDE TEMPORARY SUPPORT AS REQUIRED AND REINSTALL AS PER NEW CEILING LAYOUT. SEE ARCHITECTURAL DRAWING FOR FURTHER DETAIL. CONTRACTOR SHALL ENSURE THAT EXISTING SERVICES ON THIS LEVEL WHICH SERVE AREAS OUTSIDE OF THE SCOPE ARE DIVERTED OR AVOIDED DURING CONSTRUCTION.
6. DEMOLITION OF ALL ELECTRICAL SERVICES, DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH OWNER AND MADE SAFE AND GOOD. COORDINATE ALL DEMOLITION WORKS ON SITE BASED ON SITE CONDITIONS.
7. REFER TO E-901 FOR THE GENERAL NOTES PERTAINING TO CCTV SYSTEM, ACCESS CONTROL SYSTEM, SECURITY SYSTEM, AND FIRE ALARM.
8. NOT ALL EXISTING EQUIPMENT IS SHOWN ON THIS LAYOUT. EXISTING EQUIPMENT TO REMAIN, UNLESS OTHERWISE REQUESTED BY PROJECT ADMINISTRATOR OR SHOWN IN THE DRAWING.

KEYNOTES - POWER AND SYSTEMS NEW WORK

- 1 EXISTING NURSE CALL DOME LIGHT TO REMAIN
- 2 EXISTING NURSE CALL DOME LIGHT TO BE REMOVED AND REPLACED WITH NEW UNIT. REFER TO DRAWING E-350.



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HRH Behavioural Unit

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POWER & SYSTEMS -
DEMOLITION PLAN

PROJECT NUMBER: HC-25-054
DATE: MAY 30 , 2025
SCALE: As indicated

SHEET NUMBER:

E-300

NOTES - POWER AND SYSTEMS NEW WORK

- 1
- COMPLY WITH THE ONTARIO ELECTRICAL SAFETY CODE, CSA-Z32 AND THE ONTARIO BUILDING CODE. SUBMIT FINAL INSPECTION CERTIFICATE UPON COMPLETION OF WORK TO OWNER.
- 2
- ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL AND EQUIPMENT VENDOR DRAWINGS. SUBSEQUENTLY ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL SUB-TRADES AND EQUIPMENT VENDOR.
- 3
- PROVIDE LAMACOID IDENTIFICATION NAMEPLATES FOR ALL EQUIPMENT, FEEDERS, DISCONNECTS, LIGHT SWITCHES AND HOSPITAL GRADE RECEPTACLES.
- 4
- ALL ELECTRICAL SERVICES SHALL COMPLY WITH CSA-Z32 STANDARDS.
- 5
- NEW FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH AND ADDED TO THE EXISTING SYSTEM (EDWARDS).
- 6
- ALL WIRING AND CONDUIT FOR EXISTING ELECTRICAL EQUIPMENT BEING REMOVED MUST BE CAPPED OFF UNLESS SPECIFICALLY DESIGNATED FOR REUSE, RELOCATION, OR REINSTALLATION, OR PRIOR WRITTEN APPROVAL HAS BEEN RECEIVED FROM CONSULTANT. ALL REDUNDANT CABLING SHALL BE REMOVED FROM SPACE
- 7
- PROVIDE FIRE STOP TO ALL NEW AND EXISTING PENETRATION WITHIN THE PROJECT SCOPE AREA.
- 8
- REUSE EXISTING BACKBOX, WIRING, AND CONDUIT WHERE SUITABLE.
- 9
- ALL EXISTING EQUIPMENT TO REMAIN FUNCTIONAL.
- 10
- SITE VERIFY EXISTING DEVICES BEFORE STARTING ANY WORK. CONTRACTOR SHALL ENSURE THAT EXISTING SERVICES THAT SERVE AREAS OUTSIDE OF SCOPE ARE DIVERTED OR AVOIDED DURING CONSTRUCTION.
- 11
- NOT ALL EXISTING EQUIPMENT IS SHOWN ON THIS LAYOUT. EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE REQUESTED BY PROJECT ADMINISTRATOR OR SHOWN ON THE DRAWING.

KEYNOTES - POWER AND SYSTEMS NEW WORK

- 1
- EXISTING NURSE CALL DOME LIGHT TO REMAIN.
- 2
- SMOKE DETECTORS IN BEDROOMS AND ASSOCIATED WASHROOM SHALL ANNUNCIATE AT THE NURSE CALL DOME LIGHT OUTSIDE THE BEDROOMS, THE EXISTING NURSE CALL ZONE LIGHT IN THE CORRIDOR AND THE NURSE CALL MASTER STATION. PROVIDE RELAY BASES FOR SMOKE DETECTORS C/W ASSOCIATED CONDUIT AND WIRING.
- 3
- ALL NEW PUBLIC ADDRESS SPEAKERS ARE TO BE CONNECTED TO THE EXISTING PUBLIC ADDRESS ZONE. PROVIDE AND EXTEND WIRING AS REQUIRED.
- 4
- PROVIDE 120 VOLT OUTLET C/W ASSOCIATED CONDUIT, WIRING AND CONNECT TO FIRE SMOKE DAMPER. REFER TO MECHANICAL DRAWINGS FOR DETAILS.
- 5
- CONTRACTOR SHALL PROVIDE GFI RECEPTACLES FOR ALL NON-GFI RECEPTACLES WITHIN 1.5M OF SINK.
- 6
- IN ADDITION TO WHAT IS SHOWN ON THE DRAWINGS, CONTRACTOR SHALL PROVIDE FOR REPLACING 25 EXISTING RECEPTACLES AS INSTRUCTED BY END USER DURING CONSTRUCTION. FURTHERMORE, PROVIDE FOR ADDING 12 CIRCUITS/RECEPTACLES AS INSTRUCTED BY END USER. NEW CIRCUITS TO BE FROM PANEL 3A1 OR 3EA1.
- 7
- PROVIDE NEW NURSE CALL DOME LIGHT TO REPLACE EXISTING OLD DOME LIGHT.
- 8
- PROVIDE NEW FIRE ALARM SMOKE DETECTOR, HEAT DETECTOR, EV SPEAKER AND COMBINATION EV SPEAKER WITH STROBE LIGHT C/W ASSOCIATED CONDUIT AND WIRING AND CONNECT TO EXISTING ZONE. INCLUDE FINAL TESTING AND VERIFICATION.
- 9
- PROVIDE FIRE ALARM INTERFACE WITH AUTOMATIC DOOR OPERATOR INCLUDE ALL REQUIRED FA RELAY, CONDUIT AND WIRING. DOOR OPERATOR SHALL BE RELEASE OR DE-ENERGIZED TO SWING DOOR CLOSE UPON RECEIVING FIRE ALARM SIGNAL. INCLUDE FINAL TESTING AND VERIFICATION.
- 10
- PROVIDE 120.VOLT OUTLET C/W ASSOCIATED CONDUIT AND WIRING FOR FAUCET SENSOR CONTROL. INCLUDE IN CONTRACT TO PROVIDE 15A, 120V GFI RECEPTACLE IF REQUIRED. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 11
- THIS ROOM IS CLASSIFIED AS "BASIC CARE" PATIENT ROOM IN ACCORDANCE WITH CAN/CSA Z-32 STANDARD AND ONTARIO ELECTRICAL SAFETY CODE. ALL DEVICES WIRING, CABLING AND INSTALLATION TO FULLY MEET THE REQUIREMENTS SPECIFIED IN THE LATEST CAN/CSA Z-32 AND OESC SECTION 24 "PATIENTS CARE AREA". ALL RECEPTACLES SHALL BE HOSPITAL GRADE AND TESTED IN ACCORDANCE WITH CAN/CSA Z-32 AND OESC REQUIREMENTS. SUBMIT RECEPTACLE TEST REPORT. ALL RECEPTACLES WIRING IN THIS ROOM TO BE REPLACED WITH NEW TO MEET CSA Z-32 AND OESC REQUIREMENT FOR PATIENT CARE AREA.
- 12
- DOOR OPERATOR COMPLETE WITH PUSH BUTTONS TO BE SUPPLIED BY DOOR HARDWARE CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED BACK BOXES, CONDUIT, WIRING AND FINAL HOOK UP TO ALL DEVICES. OBTAIN WIRING AND SCHEMATIC FROM DOOR HARDWARE CONTRACTOR/SHOP DRAWING. COORDINATE ALL WORK WITH DOOR HARDWARE CONTRACTOR.
- 13
- FLOOR BOX SHALL BE FIRE RATED POKE THRU TYPE, WIREMOLD #4ATCP4RBK.
- 14
- NEW RECEPTACLES AND EXISTING NURSE CALL STATION ON THIS WALL TO BE MOUNTED ON HEADWALL UNIT. EXTEND CONDUIT, WIRING AND ADJUST TO SUIT. REFER TO ARCH. DRAWINGS.
- 15
- ALL EXISTING RECEPTACLES SHOWN ON THIS DRAWING TO BE REPLACED WITH NEW TAMPERPROOF RECEPTACLES.
- 16
- PROVIDE 15A, 120V DUPLEX RECEPTACLE FOR PATIENT LIFT. EXACT LOCATION TO BE COORDINATED WITH LIFT SUPPLIER PRIOR TO ROUGH-IN.



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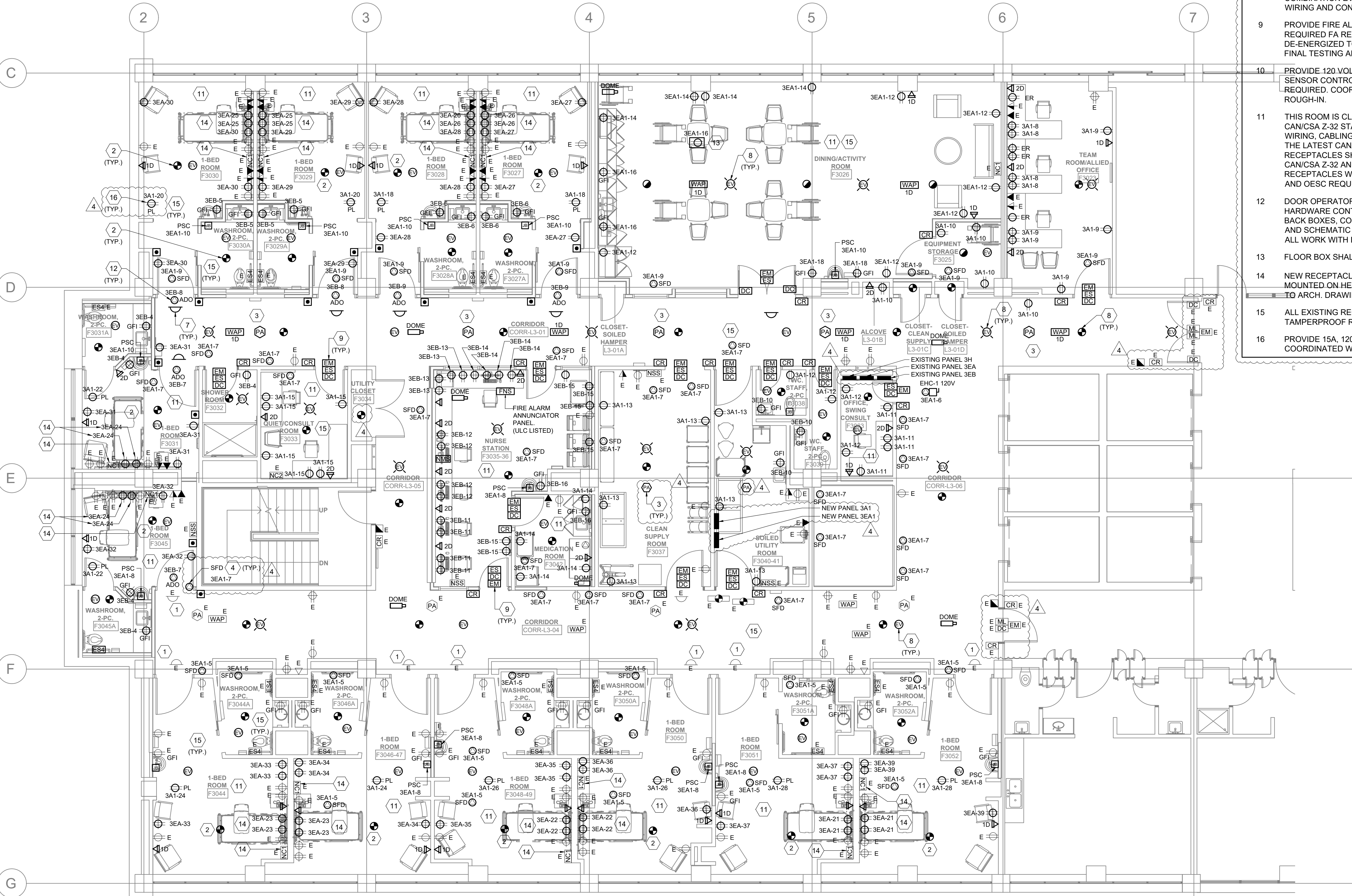
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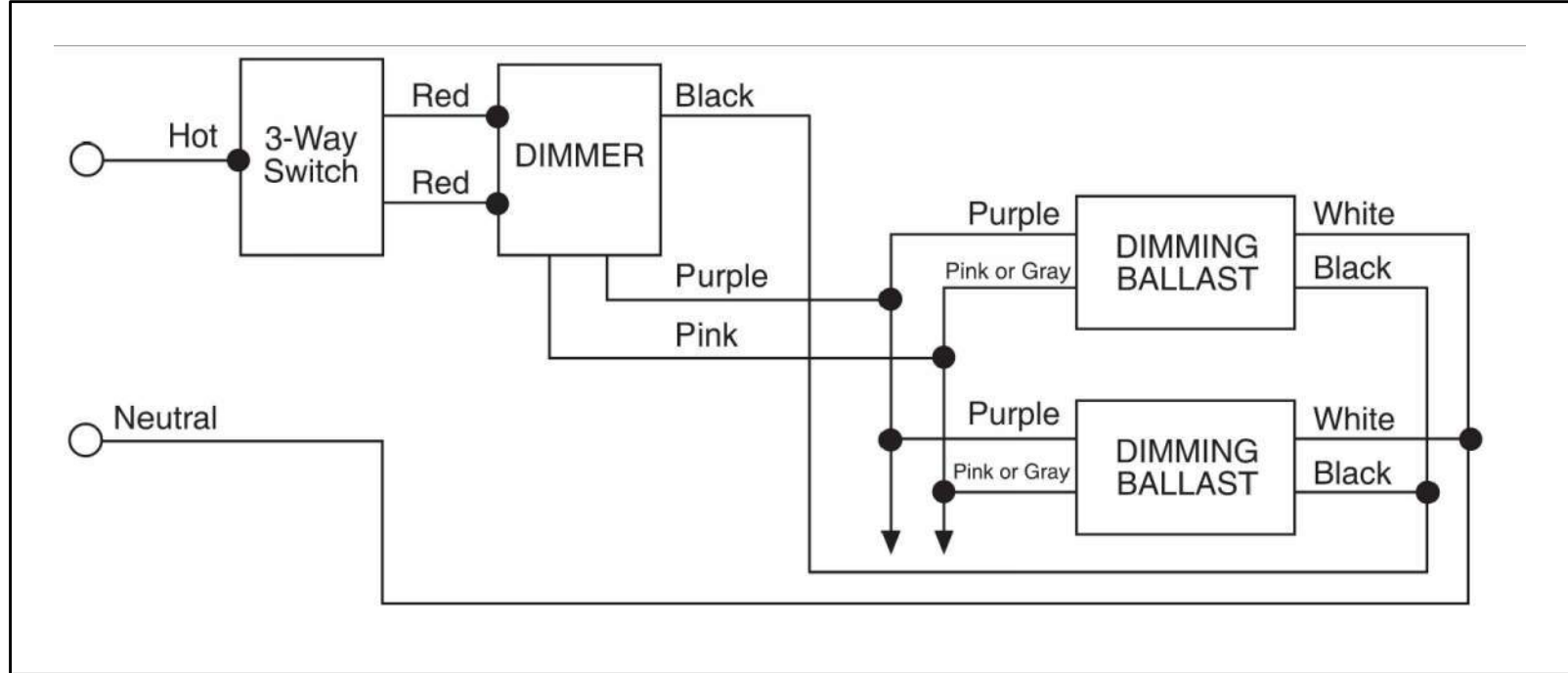
POWER & SYSTEMS - NEW
WORK PLAN

PROJECT NUMBER:	HC-25-054
DATE:	MAY 30, 2025
SCALE:	As indicated

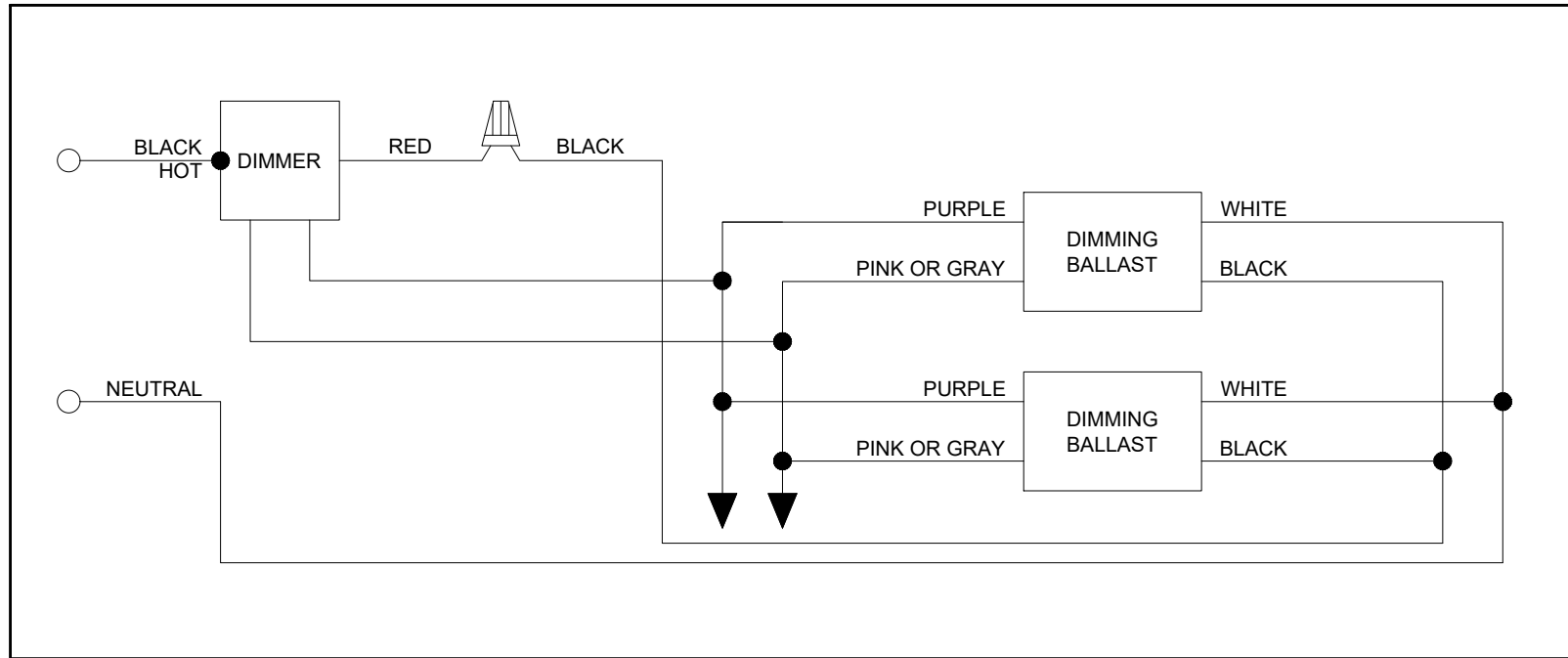
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E-350

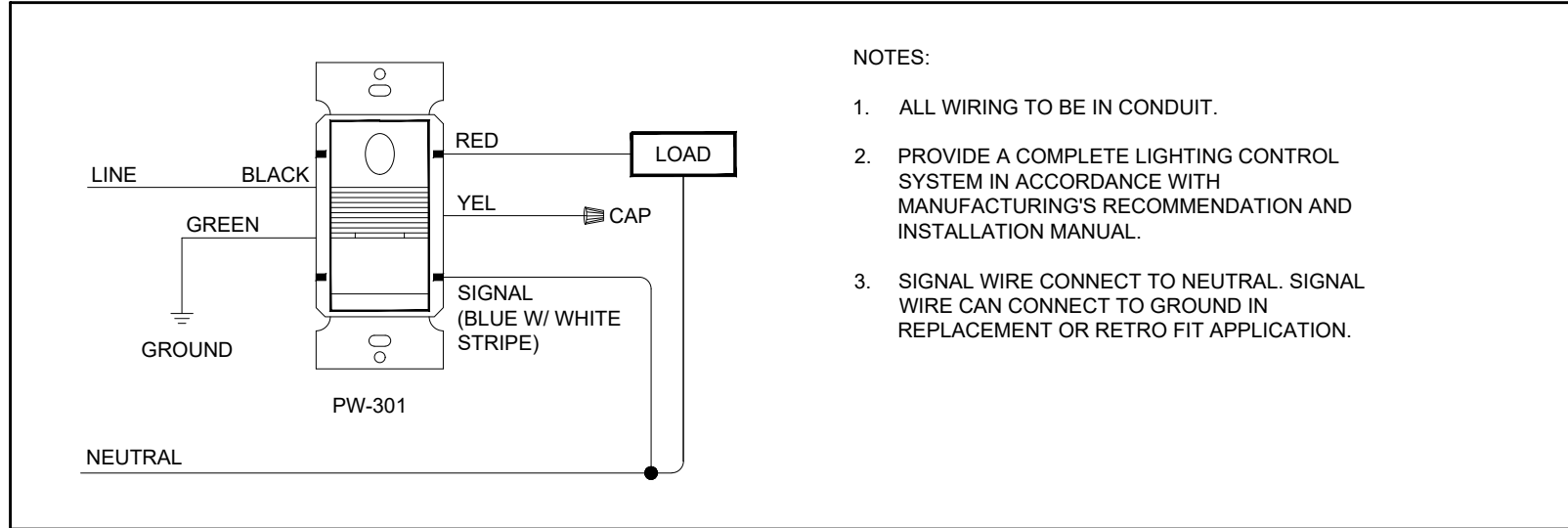




4 LIGHTING CONTROL DIAGRAM #3
SCALE: N.T.S.



3 LIGHTING CONTROL DIAGRAM #2
SCALE: N.T.S.



2 LIGHTING CONTROL DIAGRAM #1
SCALE: N.T.S.

LIGHTING CONTROL SCHEDULE		
TYPE	DESCRIPTION	IMAGE
OS1	WALL MOUNT LINE VOLTAGE PASSIVE INFRARED OCCUPANCY SENSOR, 120 VAC, WHITE COLOR FINISH. WATTSTOPPER #PW-301-W REFER TO LIGHTING CONTROL WIRING DIAGRAM #1 ON THIS DRAWING.	
DIM	WALL MOUNT 0-10V LED DIMMER, WHITE COLOR FINISH. WATTSTOPPER #RH4FBL3PW REFER TO LIGHTING CONTROL WIRING DIAGRAM #2 AND #3 ON THIS DRAWING.	
NOTES: 1. REFER TO LIGHTING PLANS FOR QUANTITY AND LOCATION OF DEVICES. 2. LIGHTING CONTROL SYSTEM SHALL BE INSTALLED IN ACCORDANCE TO MANUFACTURER INSTALLATION MANUALS/INSTRUCTIONS. 3. THIS CONTRACTOR SHALL PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM INCLUDING ALL LIGHTING CONTROL EQUIPMENT/DEVICES, CONDUIT, WIRING, OUTLET/JUNCTION BOXES. ALL POWER AND CONTROL WIRING SHALL BE INSTALLED IN CONDUIT. 4. ALL LIGHTING CONTROL EQUIPMENT/DEVICES SHALL BE PROVIDED AS SPECIFIED. NO ALTERNATE/SUBSTITUTION IS ALLOWED. THIS CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS FOR REVIEW TO CONSULTANT WITHIN ONE WEEK OF AWARDDING THE PROJECT.		

1 LIGHTING CONTROL SCHEDULE
SCALE: N.T.S.



250 ROWNTREE DAIRY RD, WOODBRIDGE, ON
TEL: 905-507-0800
WEB: WWW.QUASARCG.COM

C& Partners Architects Inc.

720 Bathurst st. Toronto, ON M5R 2S4
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W www.candpartnersinc.com

STAMP

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	2025-06-25
2	RE-ISSUED FOR PERMIT	2025-09-12
3	ISSUED FOR TENDER	2025-10-22
4	ISSUED FOR ELECTRICAL ADDENDUM EA-01	2026-05-14

HRH Behavioural Unit

2111 Finch Ave W., North York, ON
M3N 1N1

SINGLE LINE DIAGRAM

PROJECT NUMBER:	HC-25-054
DATE:	MAY 30 , 2025
SCALE:	As indicated

SHEET NUMBER:

E-700

26 06 20.16 - ELECTRICAL PANELBOARD SCHEDULE													
PANEL ID: 3EA1				VOLTS: 120/208V				LOCATION: SOILED UTILITY F3040-41					
MAIN BUS: 100A				PHASE: 3				FED FROM: PANEL 3EA					
MAIN BREAKER: N/A				WIRE: 4				FEEDER ENTRY AT: TOP/BOTTOM					
TYPE: SIEMENS P1				MOUNTING: SURFACE				FEEDER: NEW					
INTERRUPTING CAPACITY: 14KA				ENCLOSURE RATING: NEMA 1				REMARKS:					
CKT	DESCRIPTION	WATTAGE			BRK R	Ø	BRK R	WATTAGE			DESCRIPTION	CKT	
		ØA	ØB	ØC				ØA	ØB	ØC			
1	EMERGENCY LIGHTING - CORRIDOR	-	-	-	15A	A	15A	-	-	-	EMERGENCY LIGHTING - BEDROOMS LIGHT- NURSE/ CLEAN SOIL	2	
3	EXIT SIGNS	-	-	-	15A	B	15A	-	-	-		4	
5	SMOKE FIRE DAMPERS	-	-	-	15A	C	15A	-	-	-		EHC-1	6
7	SMOKE FIRE DAMPERS	-	-	-	15A	A	15A	-	-	-		PLUMBING CONTROL	8
9	SMOKE FIRE DAMPERS	-	-	-	15A	B	15A	-	-	-	PLUMBING CONTROL	10	
11	SPARE	-	-	-	15A	C	15A	-	-	-	REC-DINING	12	
13	SPARE	-	-	-	15A	A	15A	-	-	-	REC-DINING	14	
15	SPARE	-	-	-	15A	B	15A	-	-	-	REC-DINING	16	
17	SPARE	-	-	-	15A	C	15A	-	-	-	REC-DINING	18	
19	SPARE	-	-	-	15A	A	15A	-	-	-	SPARE	20	
21	SPARE	-	-	-	15A	B	15A	-	-	-	SPARE	22	
23	SPARE	-	-	-	15A	C	15A	-	-	-	SPARE	24	
25	SPARE	-	-	-	15A	A	15A	-	-	-	SPARE	26	
27	SPARE	-	-	-	15A	B	15A	-	-	-	SPARE	28	
29	SPARE	-	-	-	15A	C	15A	-	-	-	SPARE	30	
TOTAL ØA: ____W, TOTAL ØB: ____W, TOTAL ØC: ____W													
NOTES:													
* - PROVIDE LOCKABLE BREAKER													
** - PROVIDE GFI TYPE BREAKER													

26 06 20.16 - ELECTRICAL PANELBOARD SCHEDULE													
PANEL ID: 3A (EXISTING)				VOLTS: 120/208V				LOCATION: UTILITY CLOSET F3034					
MAIN BUS: 225A				PHASE: 3				FED FROM: EXISTING					
MAIN BREAKER: N/A				WIRE: 4				FEEDER ENTRY AT: EXISTING					
TYPE: FPE NBLP				MOUNTING: SURFACE				FEEDER: EXISTING					
INTERRUPTING CAPACITY: EXISTING				ENCLOSURE RATING: EXISTING				REMARKS:					
CKT	DESCRIPTION	WATTAGE			BRK R	Ø	BRK R	WATTAGE			DESCRIPTION	CKT	
		ØA	ØB	ØC				ØA	ØB	ØC			
1	REC- 325/324 BEDROOM	-	-	-	15A	A	15A	-	-	-	REC-CORRIDOR L3-01.L3-04	2	
3	REC-PRINTER	-	-	-	15A	B	15A	-	-	-	REC-HSP	4	
5	REC-326/327 BEDROOM	-	-	-	15A	C	15A	-	-	-	REC-328/329 BEDROOM	6	
7	PWR-ADO	-	-	-	20A	A	15A	-	-	-	REC-TEAM ROOM	8	
9	REC-NURSE STATION	-	-	-	15A	B	15A	-	-	-	REC-NURSE STATION	10	
11	REC-NURSE STATION	-	-	-	15A	C	15A	-	-	-	REC-FRIDGE	12	
13	REC-PRINTER	-	-	-	20A	A	15A	-	-	-	REC-YANKER	14	
15	REC-HSP	-	-	-	20A	B		-	-	-		16	
17	REC-TEAM RM,EQ.STORAGE, UTILITY RM	-	-	-	15A	C	60A 3P	-	-	-	PANEL 3A1	18	
19	REC-OFFICE SWING	-	-	-	15A	A		-	-	-		20	
21	REC-QUIET ROOM	-	-	-	15A	B	15A	-	-	-	REC- SUPPLY RM, URULRY RM, NURSE STATION, CONSULT RM	22	
23	LIGHT - BEDROOMS	-	-	-	15A	C	15A	-	-	-	LIGHT - BEDROOMS 3027/3028	24	
25	LIGHT - BEDROOMS	-	-	-	15A	A	15A	-	-	-	LIGHT - DINING/OFFICE	26	
27	LIGHT - NURSE/CLEAN/SOIL	-	-	-	15A	B	20A	-	-	-	LIGHT - CORRIDOR	28	
29	LIGHT - CORRIDOR	-	-	-	15A	C	15A	-	-	-	SPARE	30	
TOTAL ØA: ____W, TOTAL ØB: ____W, TOTAL ØC: ____W													
NOTES: * - PROVIDE LOCKABLE BREAKER ** - PROVIDE GFI TYPE BREAKER (1) PROVIDE NEW CIRCUIT WITH USING EXISTING BREAKER (2) PROVIDE NEW CIRCUIT WITH NEW BREAKER (3) PROVIDE 4 #3 + GND IN 41mmC TO FEED NEW PANEL 3A1 CIRCUIT NUMBERS ARE GIVEN FOR GROUPING ONLY. SITE VERIFY AVAILABLE CIRCUIT BREAKER SPACES IN PANELS DURING TENDER WALKTHROUGH.													

26 06 20.16 - ELECTRICAL PANELBOARD SCHEDULE													
PANEL ID: 3H (EXISTING)				VOLTS: 240/416V				LOCATION: SWING CONSULT F3063					
MAIN BUS: 100A				PHASE: 3				FED FROM: EXISTING					
MAIN BREAKER: N/A				WIRE: 4				FEEDER ENTRY AT: EXISTING					
TYPE: FPE NHDP				MOUNTING: SURFACE				FEEDER: EXISTING					
INTERRUPTING CAPACITY: EXISTING				ENCLOSURE RATING: EXISTING				REMARKS:					
CKT	DESCRIPTION	WATTAGE			BRK R	Ø	BRK R	WATTAGE			DESCRIPTION	CKT	
		ØA	ØB	ØC				ØA	ØB	ØC			
1	LIGHTS - NORTH EAST	-	-	-	15A	A	15A	-	-	-	LIGHTS - CENTER NORTH	2	
3	LIGHTS - NORTH WEST	-	-	-	15A	B	15A	-	-	-	LIGHTS - CENTER WEST	4	
5	LIGHTS - NORTH CORRIDOR	-	-	-	15A	C	15A	-	-	-	SPARE	6	
7	LIGHTS - SOUTH EAST	-	-	-	15A	A	15A	-	-	-	LIGHTS - SOUTH EAST	8	
9	LIGHTS - SOUTH CENTER AREA	-	-	-	15A	B	15A	-	-	-	LIGHTS - SOUTH WEST AREA	10	
11	LIGHTS - CENTER CORRIDOR	-	-	-	15A	C	15A	-	-	-	LIGHTS - EAST END	12	
13	LIGHTS - SOUTH CORRIDOR	-	-	-	15A	A	15A	-	-	-	LIGHTS - CENTER EAST	14	
15	SPARE	-	-	-	15A	B		-	-	-	SPACE	16	
17	SPACE	-	-	-		C		-	-	-	SPACE	18	
TOTAL ØA: ____W, TOTAL ØB: ____W, TOTAL ØC: ____W													
NOTES: *- PROVIDE LOCKABLE BREAKER **- PROVIDE GFI TYPE BREAKER (1) PROVIDE NEW CIRCUIT WITH USING EXISTING BREAKER (2) PROVIDE NEW CIRCUIT WITH NEW BREAKER CIRCUIT NUMBERS ARE GIVEN FOR GROUPING ONLY. SITE VERIFY AVAILABLE CIRCUIT BREAKER SPACES IN PANELS DURING TENDER WALKTHROUGH.													

26 06 20.16 - ELECTRICAL PANELBOARD SCHEDULE													
PANEL ID: 3A1 (NEW)					VOLTS: 120/208V				LOCATION: SOILED UTILITY F3040-41				
MAIN BUS: 225A					PHASE: 3				FED FROM:				
MAIN BREAKER: N/A					WIRE: 4				FEEDER ENTRY AT: TOP/BOTTOM				
TYPE: SIEMENS P1					MOUNTING: SURFACE				FEEDER: NEW				
INTERRUPTING CAPACITY: 14KA					ENCLOSURE RATING: NEMA 1				REMARKS:				
CKT	DESCRIPTION	WATTAGE			BRK R	Ø	BRK R	WATTAGE			DESCRIPTION	CKT	
		ØA	ØB	ØC				ØA	ØB	ØC			
1	REC-ICE MAKER	-	-	-	20A	A	15A	-	-	-	REC DINNING/ACTIVITY ROOM 3026	2	
3	REC DINNING/ACTIVITY ROOM 3026	-	-	-	15A	B	15A	-	-	-	REC-YANKER	4	
5	MECH-JB	-	-	-	15A	C	15	-	-	-	REC-323/322/321/320/ 319/318 MTR	6	
7	MECH-JB	-	-	-	15A	A	15A	-	-	-	REC - TEAM ROOM	8	
9	REC - TEAM ROOM	-	-	-	15A	B	15A	-	-	-	REC - STORAGE	10	
11	REC - SWING CONSULT	-	-	-	15A	C	15A	-	-	-	REC - WC STAFF	12	
13	REC - CLEAN/SOIL	-	-	-	15A	A	15A	-	-	-	REC - MEDICATION	14	
15	REC - QUIET CONSULT	-	-	-	15A	B	15A	-	-	-	REC - DINING	16	
17	SPARE	-	-	-	15A	C	15A	-	-	-	REC - PATIENT LIFT	18	
19	SPARE	-	-	-	20A	A	15A	-	-	-	REC - PATIENT LIFT	20	
21	SPARE	-	-	-	15A	B	15A	-	-	-	REC - PATIENT LIFT	22	
23	SPARE	-	-	-	15A	C	15A	-	-	-	REC - PATIENT LIFT	24	
25	SPARE	-	-	-	15A	A	15A	-	-	-	REC - PATIENT LIFT	26	
27	SPARE	-	-	-	15A	B	15A	-	-	-	REC - PATIENT LIFT	28	
29	SPARE	-	-	-	15A	C	15A	-	-	-	SPARE	30	
31	SPARE	-	-	-	15A	A	15A	-	-	-	SPARE	32	
33	SPARE	-	-	-	15A	B	15A	-	-	-	SPARE	34	
35	SPARE	-	-	-	15A	C	15A	-	-	-	SPARE	36	
37	SPARE	-	-	-	15A	A	15A	-	-	-	SPARE	38	
39	SPARE	-	-	-	15A	B	15A	-	-	-	SPARE	40	
41	SPARE	-	-	-	15A	C	15A	-	-	-	SPARE	42	
TOTAL ØA: ____ W, TOTAL ØB: ____ W, TOTAL ØC: ____ W													
NOTES: * - PROVIDE LOCKABLE BREAKER ** - PROVIDE GFI TYPE BREAKER													

26 06 20.16 - ELECTRICAL PANELBOARD SCHEDULE													
PANEL ID: 3EA (EXISTING)				VOLTS: 120/208V				LOCATION: OFFICE SWING CONSULT F3063					
MAIN BUS: 225A				PHASE: 3				FED FROM: EXISTING					
MAIN BREAKER: N/A				WIRE: 4				FEEDER ENTRY AT: EXISTING					
TYPE: FPE NBLP				MOUNTING: RECESSED				FEEDER: EXISTING					
INTERRUPTING CAPACITY: EXISTING				ENCLOSURE RATING: EXISTING				REMARKS:					
CKT	DESCRIPTION	WATTAGE			BRK R	Ø	BRK R	WATTAGE			DESCRIPTION	CKT	
		ØA	ØB	ØC				ØA	ØB	ØC			
1	BED- 326/327 BEDROOM	-	-	-	15A	A	15A	-	-	-	BED- 326/329 BED ROOM	2	
3	BED- 325/324 ROOM	-	-	-	15A	B	15A	-	-	-	REC-FRIDGE	4	
5	REC-NURSE STATION	-	-	-	15A	C	15A	-	-	-	REC-326 BED ROOM	6	
7	REC-327 BEDROOM	-	-	-	15A	A	15A	-	-	-	REC-326 BED ROOM	8	
9	REC-329 BEDROOM	-	-	-	15A	B	15A	-	-	-	REC-325 BED ROOM	10	
11	BED 323/322 BEDROOM	-	-	-	15A	C	15A	-	-	-	BED- 321/320 BEDROOM	12	
13	BED 319/318 BEDROOM	-	-	-	15A	A	15A	-	-	-	REC- 323 BEDROOM	14	
15	REC- 322 BEDROOM	-	-	-	15A	B	15A	-	-	-	REC- 321 BEDROOM	16	
17	REC-320 BEDROOM	-	-	-	15A	C	15A	-	-	-	REC-318 BEDROOM	18	
19	REC-319 BEDROOM	-	-	-	15A	A	15A	-	-	-	REC- 324 BEDROOM	20	
21	BED - 3051/3052 BEDROOM	-	-	-	15A	B	15A	-	-	-	BED - 3048-49/3050 BEDROOM	22	
23	BED - 3044/3046-47 BEDROOM	-	-	-	15A	C	15A	-	-	-	BED - 3031/3045 BEDROOM	24	
25	BED - 3029/3030 BEDROOM	-	-	-	15A	A	15A	-	-	-	BED - 3027/3028 BEDROOM	26	
27	REC - 3027 BEDROOM	-	-	-	15A	B	15A	-	-	-	REC - 3028 BEDROOM	28	
29	REC - 3029 BEDROOM	-	-	-	15A	C	15A	-	-	-	REC - 3030 BEDROOM	30	
31	REC - 3031 BEDROOM	-	-	-	15A	A	15A	-	-	-	REC - 3045 BEDROOM	32	
33	REC - 3044 BEDROOM	-	-	-	15A	B	15A	-	-	-	REC - 3046-47 BEDROOM	34	
35	REC - 3048-49 BEDROOM	-	-	-	15A	C	15A	-	-	-	REC - 3050 BEDROOM	36	
37	REC - 3051 BEDROOM	-	-	-	15A	A	-	-	-	-	PANEL 3EA1	38	
39	REC - 3052 BEDROOM	-	-	-	15A	B	60A 3P	-	-	-		40	
41	SPARE	-	-	-	15A	C	-	-	-	-		42	
TOTAL ØA: ____W, TOTAL ØB: ____W, TOTAL ØC: ____W													
NOTES:													
* - PROVIDE LOCKABLE BREAKER													
** - PROVIDE GFI TYPE BREAKER													
(1) PROVIDE NEW CIRCUIT WITH USING EXISTING BREAKER													
(2) PROVIDE NEW CIRCUIT WITH NEW BREAKER													
(3) PROVIDE 4 #3 + GND IN 41mmC TO FEED NEW PANEL E3A1													
CIRCUIT NUMBERS ARE GIVEN FOR GROUPING ONLY. SITE VERIFY AVAILABLE CIRCUIT BREAKER SPACES IN PANELS DURING TENDER WALKTHROUGH.													