

The following changes to the tender documents are effective immediately and will form part of the contract documents:

**1. AMENDMENTS TO THE DRAWINGS AND SPECIFICATIONS:**

- .1) Regarding Addendum #3, Delete Amendments to the Drawings: items 2.1) and 2.2)

**2. ARCHITECTURAL:**

**Reference: DRAWING A0.2 BOW UNIT PHASING**

1. Delete all work associated with new Special Population units at south end of BD range starting in Phase 5 until Phase 7. Also refer to Appendix A1.0

**Reference: DRAWING A1.0 BOW UNIT DEMOLITION PLAN & MAIN FLOOR PLAN**

2. Delete all work associated with new Special Population units at south end of BD range.

**Reference: DRAWING A1.1 BOW UNIT RCP DEMOLISHING PLAN & RCP**

3. Delete all work associated with new Special Population units at south end of BD range.
4. Relocate an additional light fixture. (Refer to Electrical)

**Reference: DRAWING A1.2 BOW UNIT FINISH FLOOR PLAN**

5. Delete all work associated with new Special Population units at south end of BD range.

**Reference: DRAWING A2.2 BOW UNIT INTERIOR & EXTERIOR ELEVATIONS**

6. Delete Elevation 01/A2.2

**Reference: DRAWING A4.3 BOW UNIT WALL SECTION & DETAILS**

7. Delete Details 5/A4.3 and 6/A4.3

**3. ELECTRICAL**

**Reference: DRAWING E1- BOW UNIT LIGHTING**

1. Delete all work associated with new segregation units at south end of BD range.
2. Delete 2 new type '1' luminaires on exterior of BD range.
3. Relocate one existing fixture and modify location as per drawing to suit new acoustic ceiling grid at entrance into BD range.

**4. MECHANICAL**

**Reference: DRAWING M2.4 – BOW UNIT FIRE PROTECTION**

1. Delete all fire protection revisions required for deleted segregation unit at south end of BD range.

**5. TECHNOLOGY**

**Reference: DRAWINGS T100, T102, T201 (see attached SKE-1, SKE-2, SKE-3, SKE-4, SKE-5, SKE-6**

1. Refer to changes to the security system in response to the deleted segregation unit at south end of BD range and for increased camera coverage during the early phases of construction.

**6. SPECIFICATIONS:**

**Reference: SPECIFICATION 23 37 13 – HVAC – GRILLES, REGISTERS & DIFFUSERS**

1. In 2.1.5, add 'KEES' as an acceptable manufacturer.

**Reference: SPECIFICATIONS: APPENDIX A.01: PHASING SCHEDULE**

2. Refer to the updated attached Appendix A1.0 Phasing Schedule with the Special population wall removed.

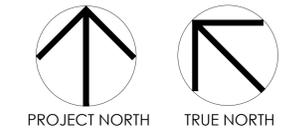
**END OF ADDENDUM NO. 6**





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**RCP LEGEND**

- DEMOLITION AREA
- NEW CEILING AREA
- PAINTING ON SUSPENDED GYPSUM BOARD
- EXISTING ACOUSTICAL PANELS & TILES
- NEW ACOUSTICAL PANELS & TILES
- EXISTING LIGHT FIXTURES TO BE REMOVED (SEE ELECTRICAL)
- NEW LINEAR LIGHT FIXTURES (SEE ELECTRICAL)
- EXISTING LIGHT FIXTURES (SEE ELECTRICAL)
- CEILING DIFFUSER (SEE MECHANICAL)
- MECHANICAL CEILING GRILL (SEE MECHANICAL)
- PAINTING ON SECURITY SUSPENDED GYPSUM BOARD (EXPANDED METAL MESH SYSTEM)
- EXPOSED CONCRETE STRUCTURE FINISHED CEILING HEIGHT
- EXISTING WALL MOUNTED EXIT SIGN
- EXISTING CEILING MOUNTED EXIT SIGN
- NEW WALL MOUNTED EXIT SIGN
- NEW CEILING MOUNTED EXIT SIGN
- SPRINKLER
- EXISTING SUPPLY AIR GRILL TO BE REMOVED (TO BE CONFIRMED BY MECHANICAL)
- EXISTING SPRINKLER HEAD TO BE REMOVED (TO BE CONFIRMED BY MECHANICAL)

5		
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2		
1	ISSUED FOR ADDENDUM #6	2020/03/09
0	ISSUED FOR TENDER	2018/12/20

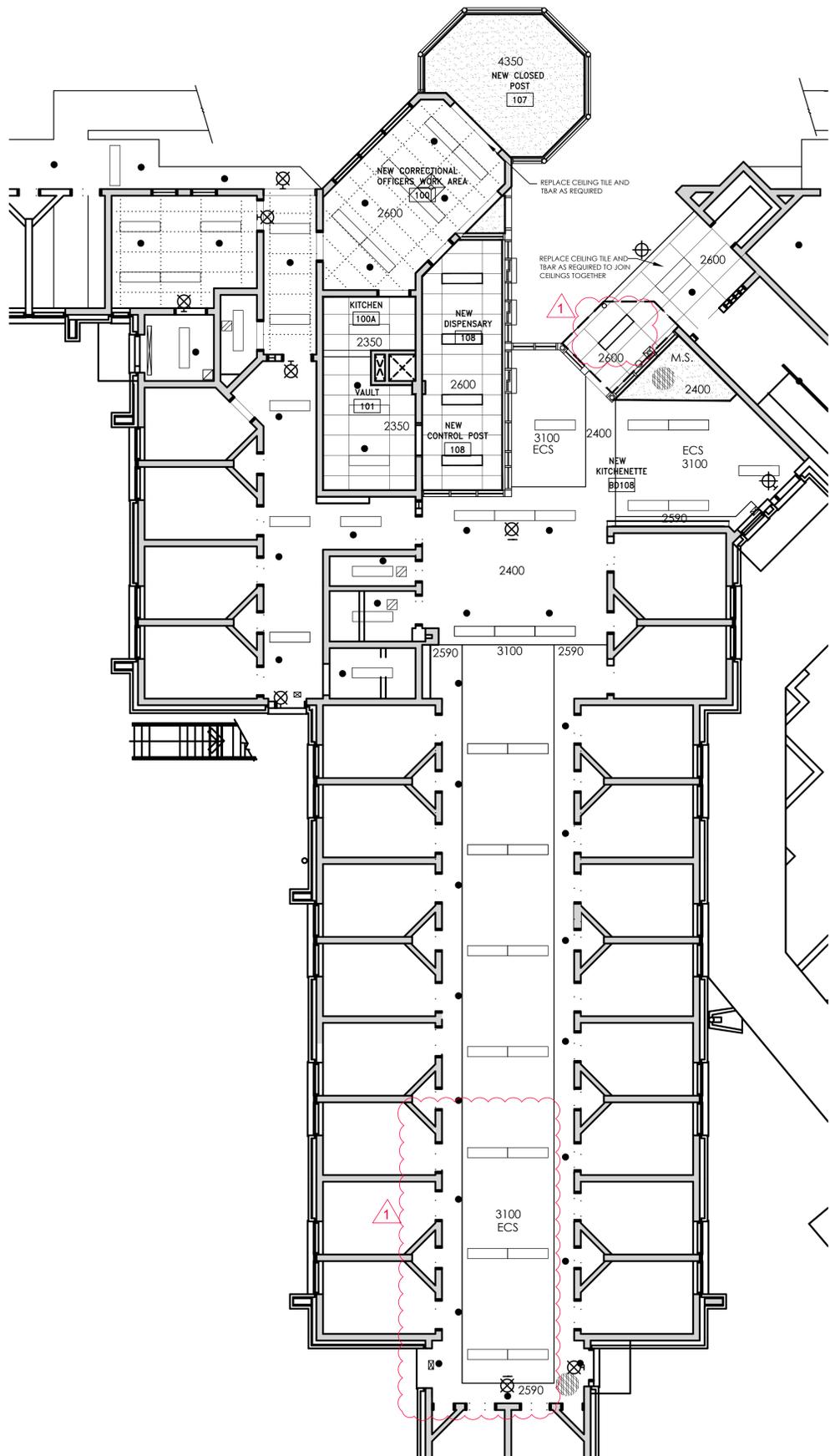
Client: **CORRECTIONAL SERVICES CANADA**

Project: **BOW UNIT REDEVELOPMENT**

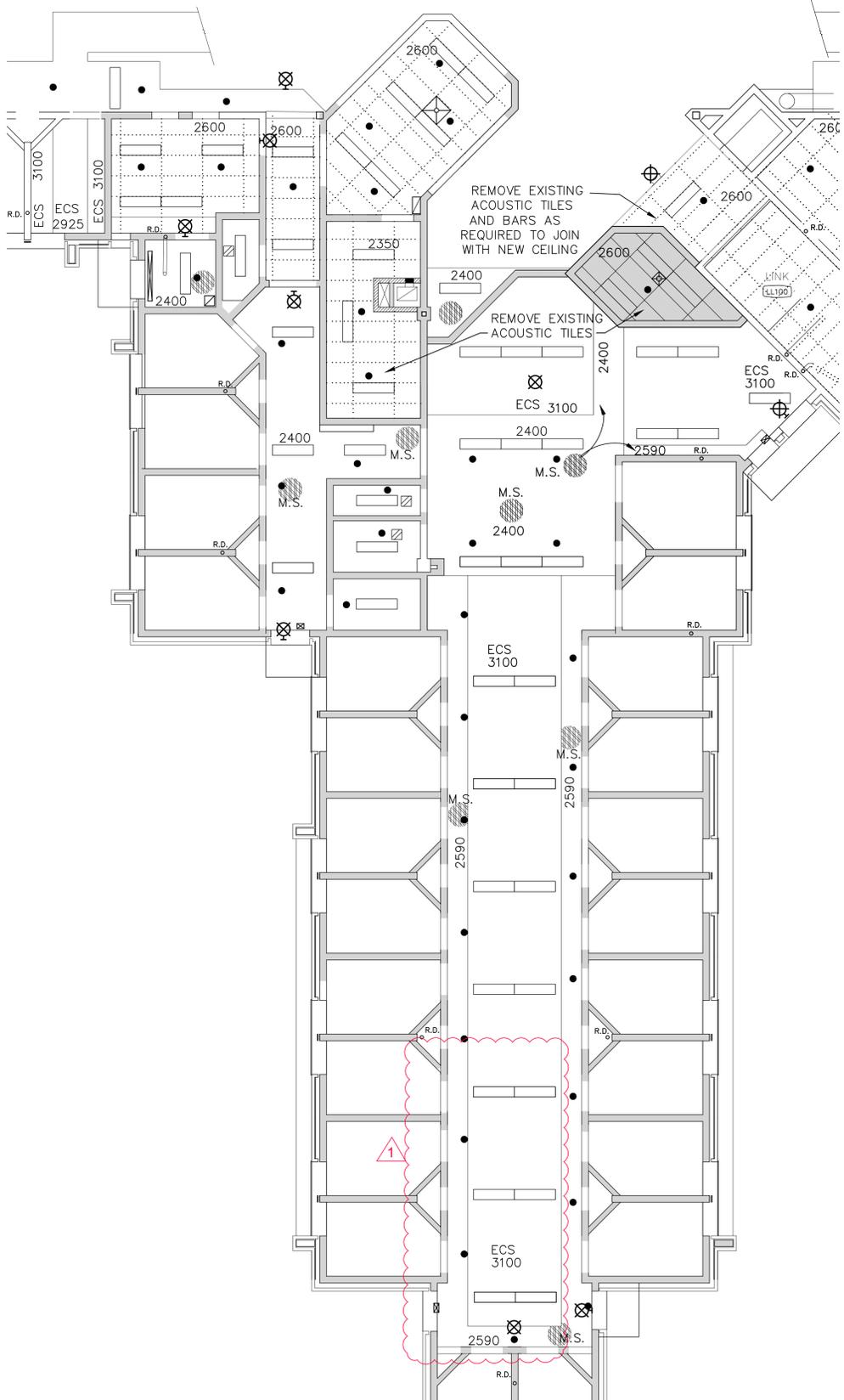
Designed by: **PM**  
 Drawn by: **MW, RH**  
 Approved by: **EH**  
 Project Manager: **EH**

**BOW UNIT REFLECTED CEILING DEMOLISHING PLAN & REFLECTED CEILING PLAN**

Project no./No. du projet: **R.082215.001**  
 Drawing no./No. du dessin: **A1.1**  
 Revision no.: **1**



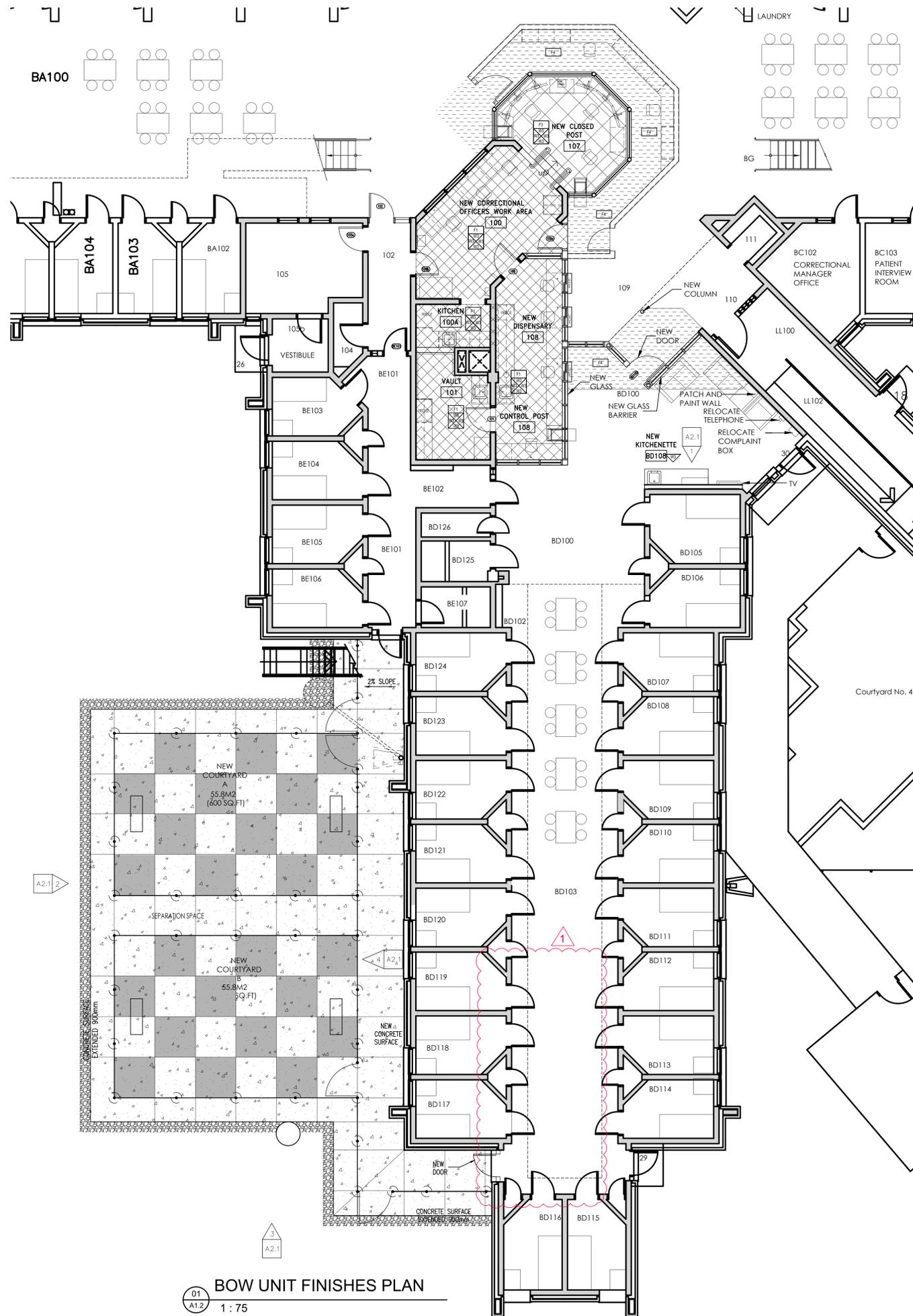
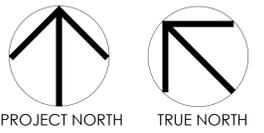
**BOW UNIT REFLECTED CEILING PLAN**  
 02 A1.1 1 : 75



**BOW UNIT REFLECTED CEILING DEMOLISHING PLAN**  
 01 A1.1 1 : 75

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**FINISHES LEGEND**

FLOOR FIN.	
N	E
W	S
WALL FINISH	
[Symbol]	RESILIENT TILE FLOORING (RUBBER BASE)
[Symbol]	RESILIENT TILE FLOORING OVER RAISED ACCESS FLOOR
[Symbol]	PAINTING OVER CONCRETE, GLOSS ENAMEL
[Symbol]	CONCRETE
[Symbol]	DARK GREY COLOURED CONCRETE

**FINISH**

F1	RESILIENT TILE FLOORING (RUBBER BASE)
F2	PAINTING OVER CONCRETE, GLOSS ENAMEL
F3	RESILIENT ANTI-STATIC SHEET FLOORING FLOOR OVER RAISED FLOOR
F4	PATCH & PAINT OVER CONCRETE, GLOSS ENAMEL
F5	CONCRETE FLOOR FINISH (SHAKE NON-METALLIC HARDENER INTO FINISH AND APPLY ACRYLIC CURE AND SEAL)
W1	PAINTING ON GYPSUM MOUNTED ON STUD TYPE PARTITIONS
W2	PAINTING ON GYPSUM MOUNTED ON CONCRETE BLOCK/CONCRETE
W3	PAINTING ON CONCRETE BLOCK / CONCRETE, SEMI-GLOSS ENAMEL
W4	CERAMIC TILE (DADO TO 1800mm)
W5	HIGH BUILD GLAZED COATING, HIGH GLOSS ON CONCRETE BLOCK/CONCRETE
W6	PAINTING ON CONCRETE BLOCK / CONCRETE, GLOSS ENAMEL

**BOW UNIT FINISHES PLAN**  
1 : 75

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2		
1	ISSUED FOR ADDENDUM #6	2020/03/05
0	ISSUED FOR TENDER	2018/12/20

Client: **CORRECTIONAL SERVICES CANADA**

Project: **BOW UNIT REDEVELOPMENT**

Designed by: **PM**  
 Drawn by: **MW, RH**  
 Approved by: **EH**

**BOW UNIT FINISH FLOOR PLAN**

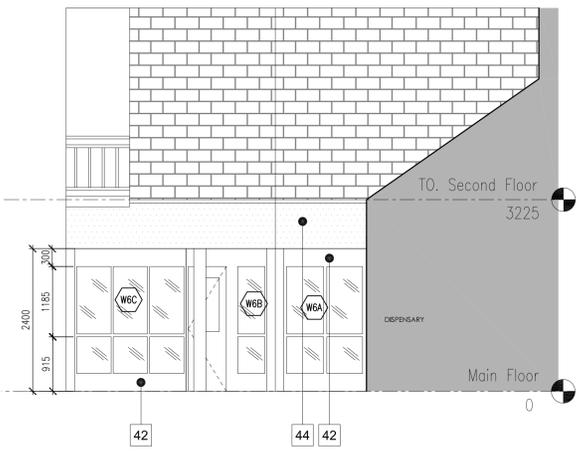
Project no./No. du projet: **R.082215.001**  
 Drawing no./No. du dessin: **A1.2**  
 Revision no.: **0**

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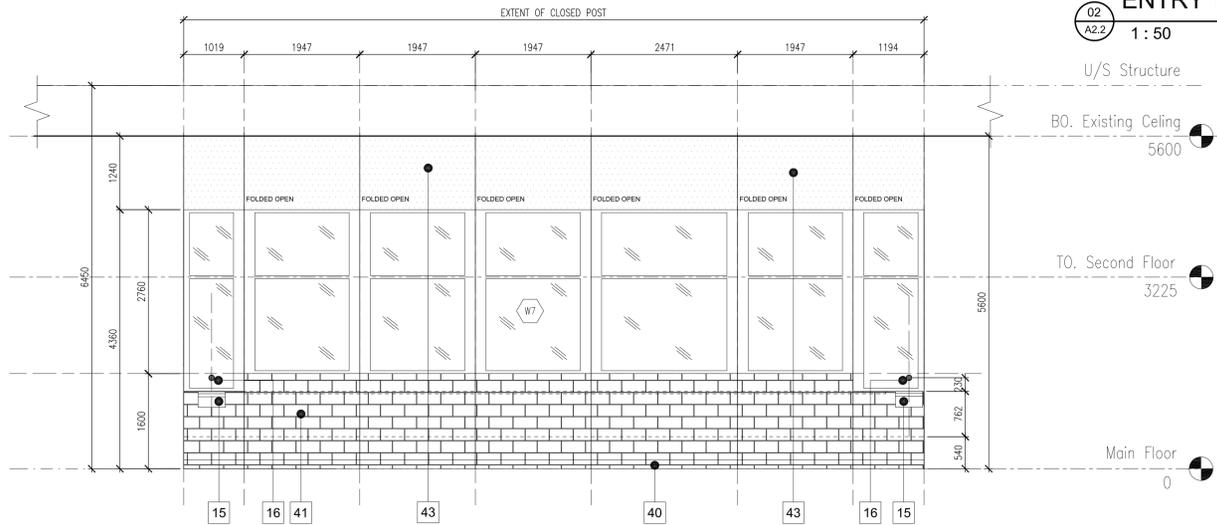
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**INTERIOR ELEVATIONS LEGEND:**

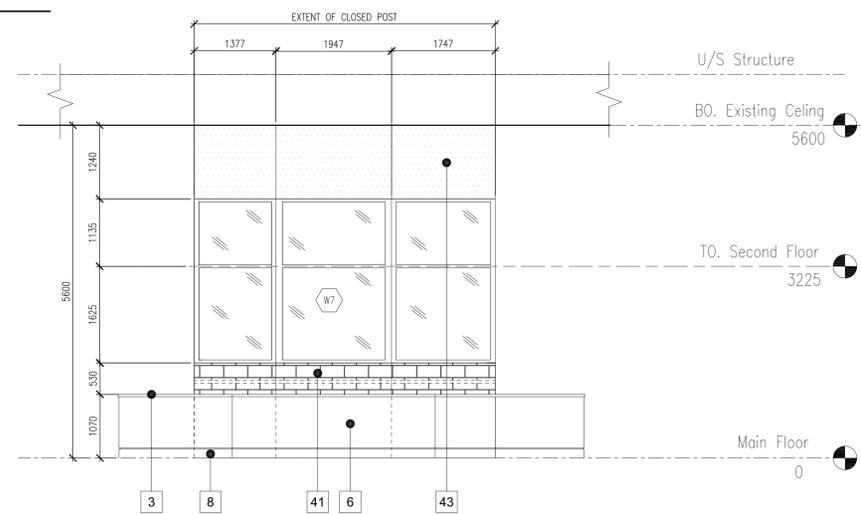
1	NOT USED	23	FILE CABINET, N.I.C. 314WX720HX460D
2	STEEL BRACKETS ANCHORED TO CONCRETE BLOCK WITH BOLTS	24	FINISHED FLOORING ON RAISED PEDESTAL FLOOR SYSTEM
3	STAINLESS STEEL COUNTER TOPS AND BACK SPLASH	25	MICROWAVE BOLTED TO MILLWORK
4	PAINTED STEEL CASEWORK CABINETS W/ ADJUSTABLE SHELVES DRAWERS WITH HEAVY DUTY FULL EXTENSION DRAWER SLIDE TYP., SLIDING DOORS OR SWING DOORS AS PER ELEV.	26	RUBBER TOE KICK 4"
5	PLASTIC LAMINATE COUNTER TOP AND BACKSPLASH	27	CONCERTINA BARB TAPE 710 mm Ø NOMINAL - INSTALLED AT 630 mm Ø (TO MEET CSC TECHNICAL CRITERIA PAGE SP-14, 4.2.18)
6	PLASTIC LAMINATE MILLWORK W/ ADJUSTABLE SHELVES DRAWERS WITH HEAVY DUTY FULL EXTENSION DRAWER SLIDE TYP. OR SWING DOORS AS PER ELEV.	28	Y SHAPE GALVANIZED STEEL POST ARM 73 mm O.D.
7	NOT USED	29	CHAIN LINK FENCE FABRIC 4.8mm (min) (6 Gauge), 50.8mm MESH SIZE (TO MEET CSC TECHNICAL CRITERIA PAGE SP-13, 4.2.5)
8	STAINLESS STEEL 4" TOE KICK	30	LINE POST, 73mm O.D.
9	UNDER COUNTER FRIDGE N.I.C. (SIZE TO BE CONFIRMED)	31	CORNER POST 143.3 mm O.D.
10	4 X AIR PACK 686WX508HX305D	32	BOTTOM/TOP RAILS 42.2 mm O.D.
11	WHITE BOARD & BULLETIN BOARD N.I.C.	33	GALVANIZED POST CAPS
12	FIRE EXTINGUISHER, DEBRILLATOR (AED/DEA)	34	SWING DOOR FENCE EXIT GATE
13	STAINLESS STEEL SINK (SEE MECHANICAL DWGS FOR SPECIFICATIONS)	35	SWING DOOR COURTYARD ENTRY GATE WITH HANDCUFF HATCH EXISTING STAIRWAY
14	DISPENSARY SLIDING WICKET WINDOW AND STAINLESS STEEL SHELF	36	PAINTED GYPSUMBOARD PONY WALL WITH SS CAP.
15	CONTROL POST PASS-THROUGH DRAWER	37	STAINLESS STEEL GATE 410WX570HX500D
16	SPEAKING PORT (CENTER OF WINDOW PANEL WITH INTERCOM)	38	EPOXY PAINTED BASE
17	FILE CABINETS N.I.C.	39	CONCRETE BLOCK, PAINTED
18	NOT USED	40	2mm ROLLED STEEL FRAME, PAINTED
19	DISPENSARY SAFE - BROWN MD B-3521WD (35.3" H x 22.3" W x 22" D)	41	6mm STEEL FRAME, PAINTED
20	Ø42 BENT STEEL BAR TO REDUCE GAP BETWEEN POST AND BUILDING WALL TYPICAL AT ALL BUILDING LOCATIONS	42	EXISTING GYPSUM BOARD TO BE PAINTED
21	SECURITY EQUIPMENT SAFE (KEYS) 1143WX1067HX171D	43	STAINLESS STEEL GATE
22	SECURITY EQUIPMENT (SCREENS, ETC.) N.I.C.	44	SLAT WALL (FLOOR TO CEILING)
		45	FRIDGE N.I.C. (SIZE TO BE CONFIRMED)
		46	RUBBER BASE
		47	SOAP DISPENSOR
		48	
		49	



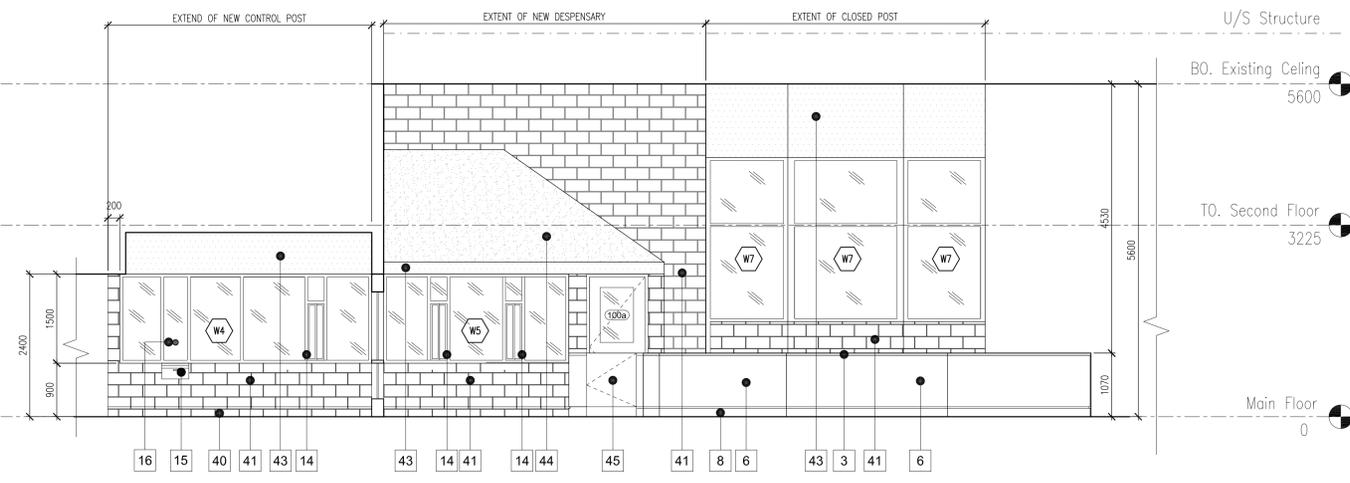
**02**  
**A2.2**  
**ENTRY TO RANGE D**  
1 : 50



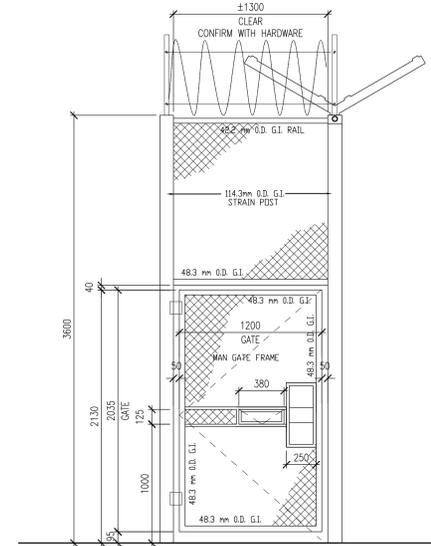
**03**  
**A2.2**  
**NEW CONTROL CLOSED POST (FOLDED OPEN)**  
1 : 50



**04**  
**A2.2**  
**NEW CONTROL CLOSED POST**  
1 : 50



**05**  
**A2.2**  
**NEW CONTROL CLOSED POST (FOLDED OPEN)**  
1 : 50



**06**  
**A2.2**  
**TYPICAL GATE ELEVATION**  
1 : 25

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**CORRECTIONAL SERVICES CANADA**

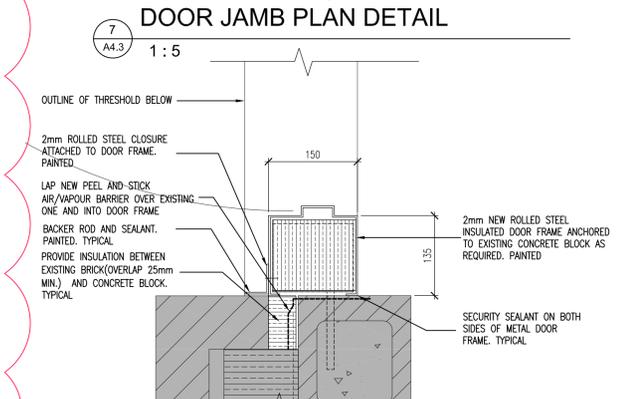
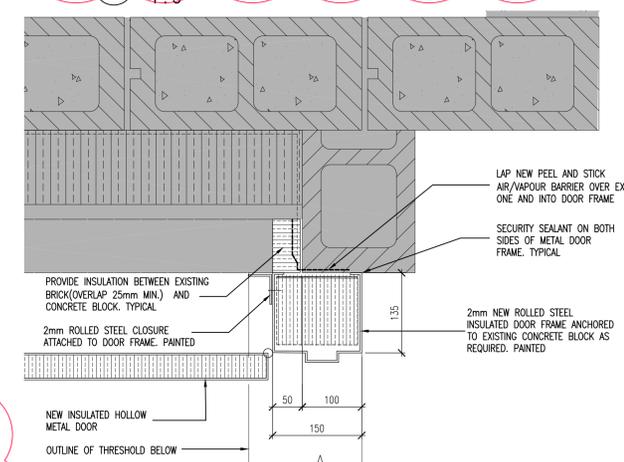
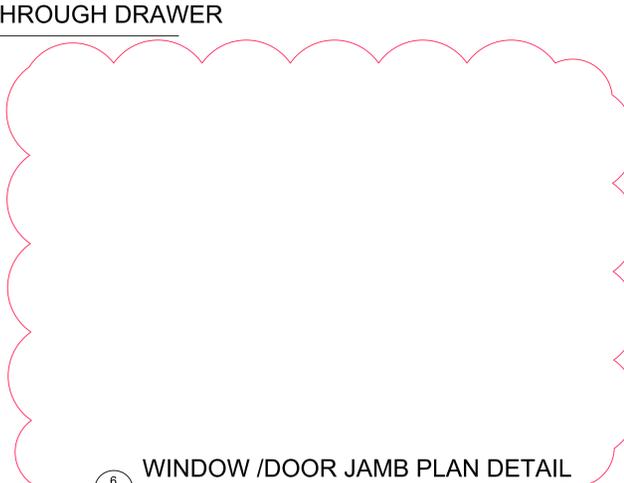
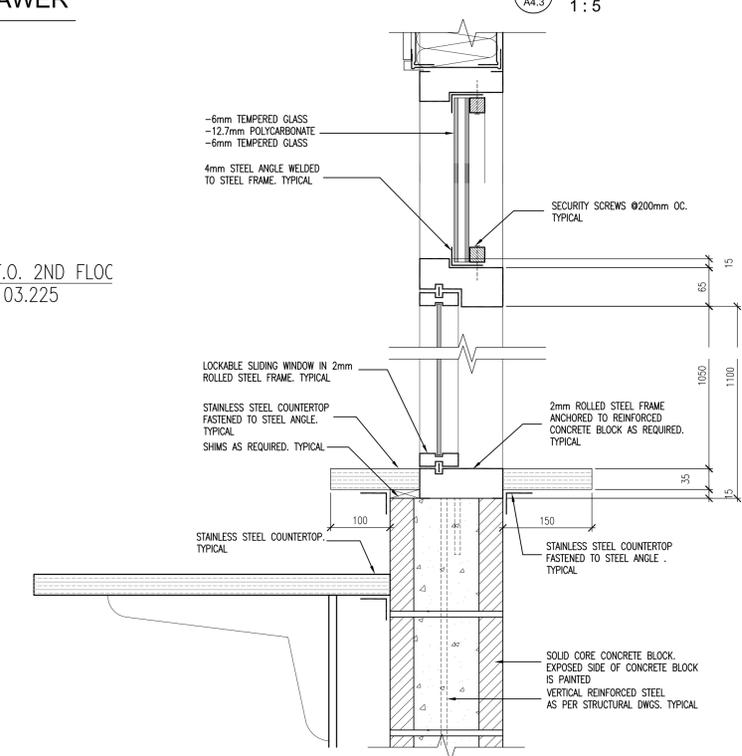
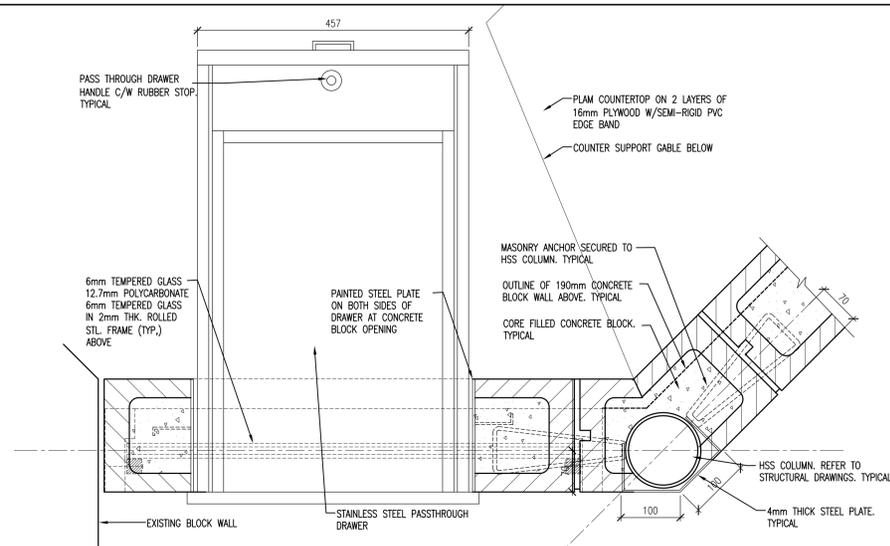
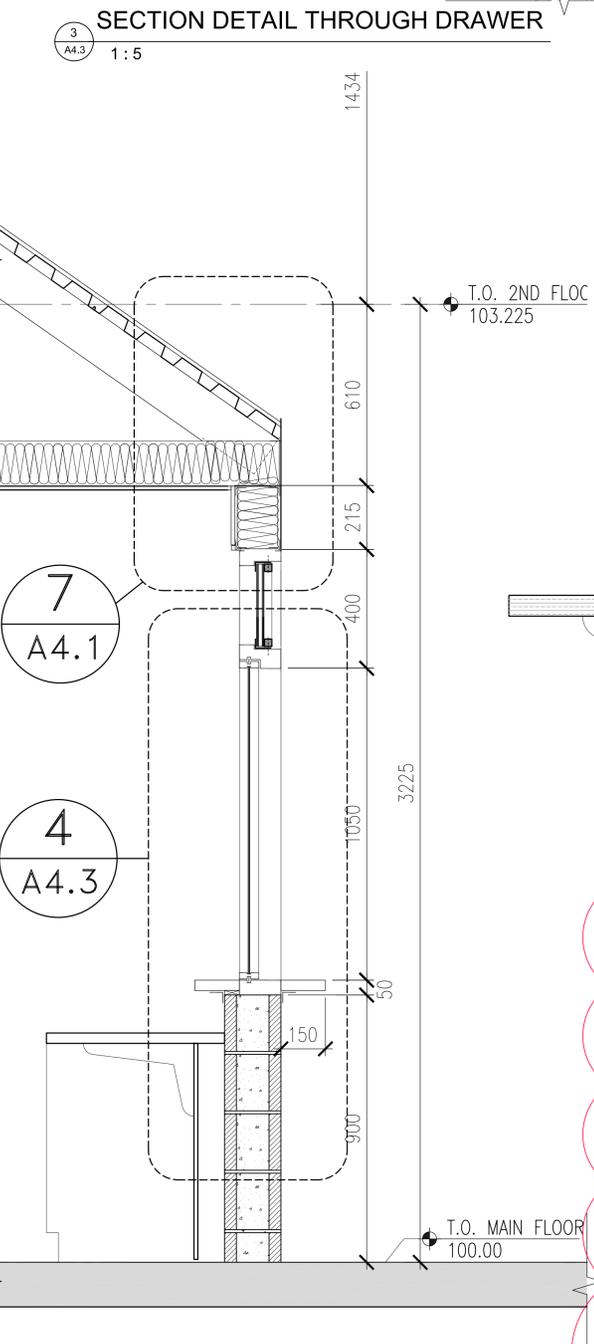
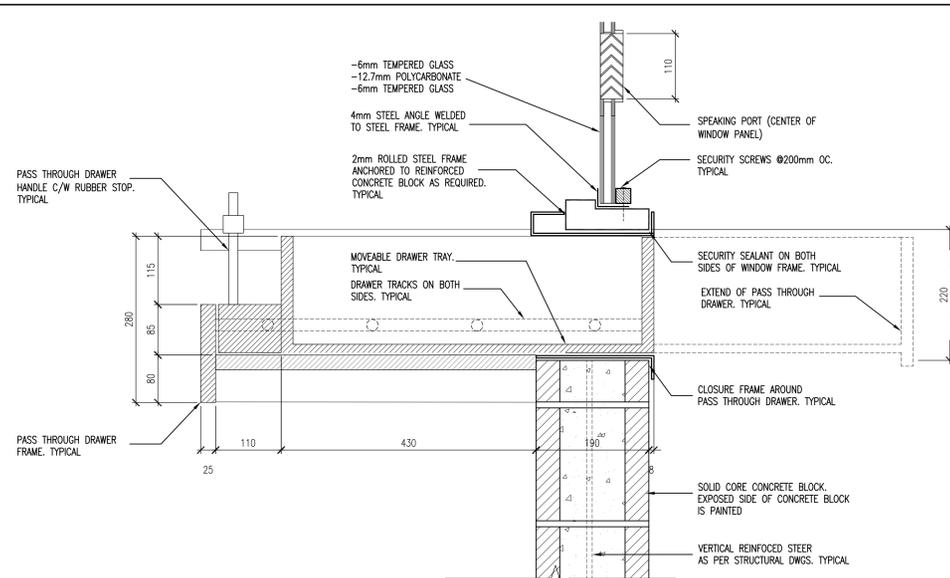
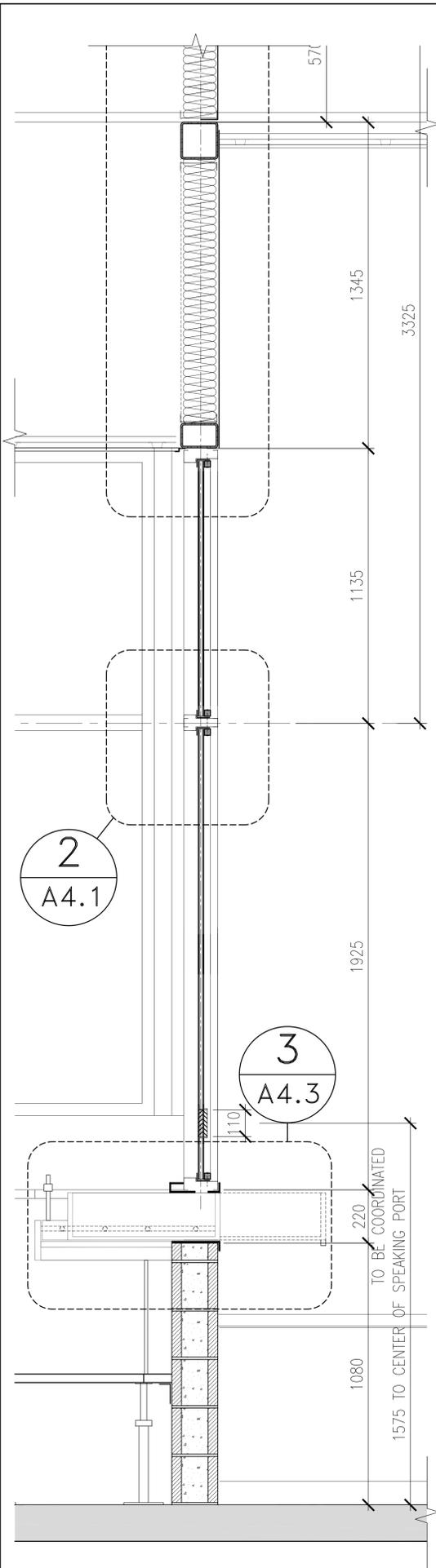
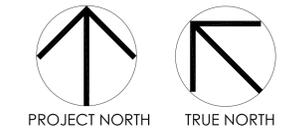
**BOW UNIT REDEVELOPMENT**

**BOW UNIT EXTERIOR AND INTERIOR ELEVATIONS**

Project No./No. de projet	Drawing No./No. de dessin	Revision No.
<b>R.082215.001</b>	<b>A2.2</b>	<b>1</b>

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1 A4.3 1:10 PARTIAL WALL SECTION

2 A4.3 1:10 PARTIAL WALL SECTION

5 A4.3 1:5 WINDOW / DOOR JAMB PLAN DETAIL

8 A4.3 1:5 DOOR JAMB PLAN DETAIL

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1	ISSUED FOR ADDENDUM #6	2020/03/09
0	ISSUED FOR TENDER	2018/12/20

CORRECTIONAL SERVICES CANADA

BOW UNIT REDEVELOPMENT

Prepared by: [Name]  
Checked by: [Name]  
Drawn by: [Name]  
Approved by: [Name]  
Project Manager: [Name]

BOW UNIT WALL SECTION AND DETAILS

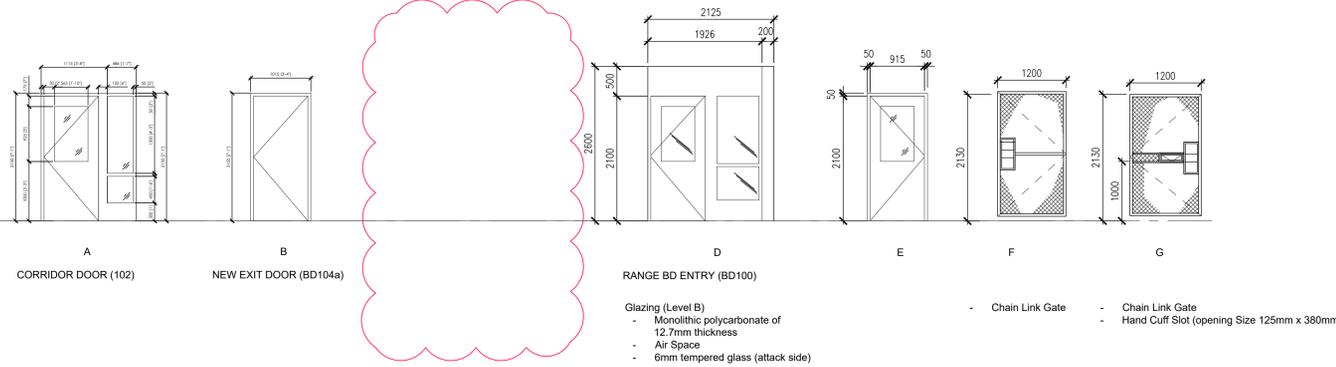
Project No./No. de projet: R.082215.001  
Drawing No./No. de dessin: A4.3  
Revision No.: 1

DOOR SCHEDULE

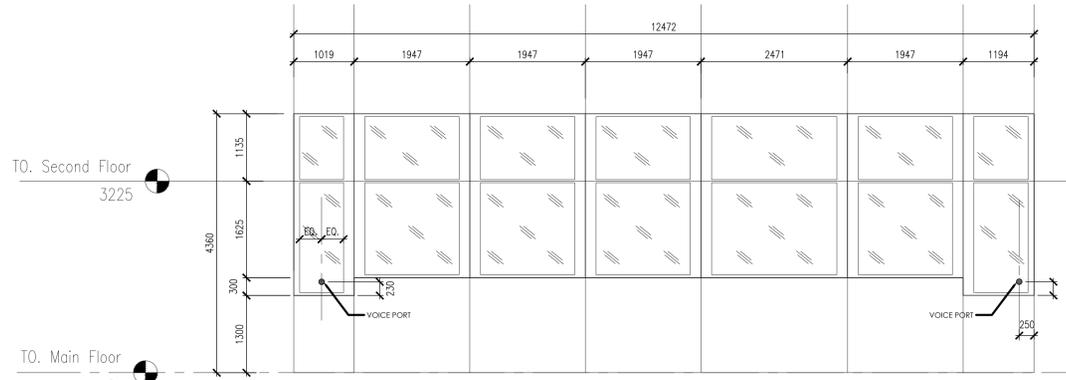
Door Number	Room Name	Fire Rating	Door Schedule										Hardware	Remarks	SECURITY REQUIREMENTS	HARDWARE REMARKS (REFER TO SPECIFICATIONS FOR GROUPS)					
			Door			Frame															
			Width	Height	Thickness	Panel & Frame Type	Door Material	Finish	Frame Material	Frame Finish	Frame Dimension	Throat Dimension					Glazing				
<b>Main Floor</b>																					
100a	WORK STATIONS AREA		915	2150	45	E	HM	P	PS	P	-	-	-	-	-	-	Achieve Level B Protection Glazing, As per Technical Criteria CSC	01	New Door & Frame	Door controlled from New Control Post (107) Keyed Lock, intercom	To meet Detention Hardware (DH1); Remote Controlled
100b	WORK STATIONS AREA		915	2150	45	E	HM	P	PS	P	-	-	-	-	-	-		07	New Door and Frame	Door controlled from New Control Post (107) Card reader, intercom	To meet Detention Hardware (DH1); Remote Controlled
101	NEW VAULT	1.5hr	915	2150	45	B	HM	P	PS	P	-	-	-	-	-	-		09	New Door and Frame	Card Reader	To meet Detention Hardware (DH1);
102	CORRIDOR		915	2150	45	A	HM	P	PS	P	-	-	-	-	-	-	Bar-less Detention Window (DWb) - for Secure Constr. 2; Monolithic polycarbonate 12.7mm thick protected by Tempered Glass or Georgian wired glass	02	New Door & Frame	Controlled from New Control Post 107 intercom	To meet Detention Hardware (DH1); Remote Controlled
105a	NURCES OFFICE		915	2150	45	B	HM	P	PS	P	-	-	-	-	-	-		09A	New Door and Frame	Card Reader	To meet Detention Hardware (DH1);
108	NEW DISPENSARY		915	2150	45	B	HM	P	PS	P	-	-	-	-	-	-		08	New Door and Frame	Card Reader	To meet Detention Hardware (DH1);
BD100	RANGE D		915	2150	45	D	HM	P	PS	P	-	-	-	-	-	-	Achieve Level B Protection Glazing, As per Technical Criteria CSC	03	New Door & Frame	Door controlled from New Control Post (107) Keyed Lock	To meet Detention Hardware (DH2); Remote Controlled
BD104a	CORRIDOR (SPECIAL POP.)		915	2150	45	B	HM	P	PS	P	-	-	-	-	-	-	No Glazing	04	New Door & Frame, Exterior, Insulated	Door controlled from New Control Post (107) Keyed Lock, intercom	To meet Detention Hardware (DH2); Remote Controlled
BE101	CORRIDOR BE101		-	-	-	-	-	-	-	-	-	-	-	-	-	-		05	Existing Door to remain - adding air intercom	Door controlled from New Control Post (107) Keyed Lock, intercom	To meet Detention Hardware (DH1); Remote Controlled
BE102	CORRIDOR BE102		915	2150	45	E	HM	P	PS	P	-	-	-	-	-	-		06	New Door and Frame - adding an intercom	Door controlled from New Control Post (107) Keyed Lock, intercom	To meet Detention Hardware (DH1); Remote Controlled
27	CORRIDOR BE101		-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	Existing Door to remain - adding an intercom	Door controlled from New Control Post (107) Keyed Lock, intercom	To meet Detention Hardware (DH1); Remote Controlled
G01	EXIT GATE		915	2150	-	F	GS	-	GS	-	-	-	-	-	-	-		10	Exterior Gate	Keyed Lock	To meet Detention Hardware (DH1); Mechanical Lock
G02	NEW COURTYARD A		1200	2130	-	G	GS	-	GS	-	-	-	-	-	-	-		11	Exterior Gate with Hand Cuff Slots	Keyed Lock, intercom	To meet Detention Hardware (DH1); Mechanical Lock
G03	NEW COURTYARD B		1200	2130	-	G	GS	-	GS	-	-	-	-	-	-	-		12	Exterior Gate with Hand Cuff Slots	Keyed Lock, intercom	To meet Detention Hardware (DH1); Mechanical Lock
G04	EXIT GATE		1200	2130	-	F	GS	-	GS	-	-	-	-	-	-	-		10	Exterior Gate	Keyed Lock	To meet Detention Hardware (DH1); Mechanical Lock

\* ALL EXISTING DOORS AND DOOR FRAMES TO BE CONFIRMED AT DEMOLITION STAGE  
 \*\* ALL FINISHES DAMAGED OR AFFECTED BY CONSTRUCTION TO BE MADE GOOD

DOOR TYPES



FRAME ELEVATIONS



WINDOW SCHEDULE

WINDOW SCHEDULE (INTERIOR)						
TYPE MARK	WIDTH	HEIGHT	HEAD HEIGHT	OPERATOR	NOTES	COUNT
W3	2504	1486	2400	NO	Bar Less Detention Window (DWb) for Secure Construction Level 2 application	1
W4	3189	1486	2400	YES	Bar Less Detention Window (DWb) for Secure Construction Level 2 application	1
W5	4174	1486	2400	YES	Bar Less Detention Window (DWb) for Secure Construction Level 2 application	1
W6a	1398	2400	2400	NO	Bar Less Detention Window (DWb) for Secure Construction Level 2 application	1
W6b	1926	2400	2400	NO	Bar Less Detention Window (DWb) for Secure Construction Level 2 application	1
W6c	2856	2400	2400	NO	Bar Less Detention Window (DWb) for Secure Construction Level 2 application	1
W7	12472	2910	4512	NO	Control Post Level B Protection	1
W8	1356	1486	2400	NO	Commercial Level 2 application; Medium Duty Heat Tempered Glass	1

DOOR & FRAME LEGEND

MATERIALS

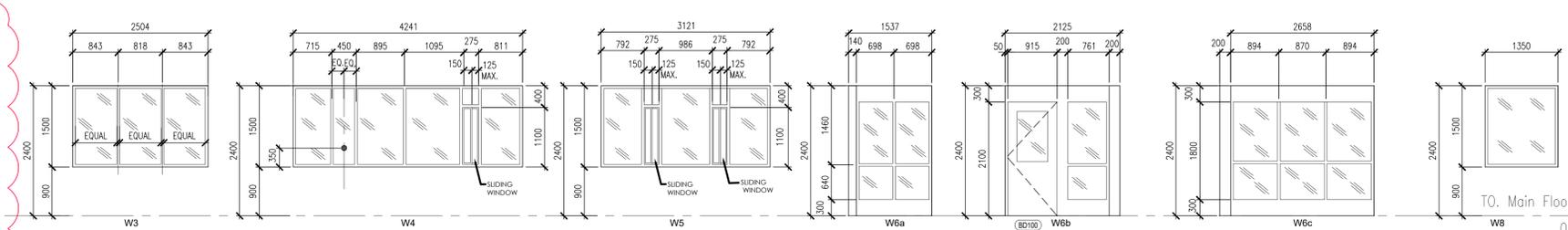
HM	HOLLOW METAL
SS	STAINLESS STEEL
GS	GALVANIZED STEEL

FINISH

P	PAINT
PS	PRESSED STEEL
TG	TEMPERED GLASS
LG	LAMINATED GLASS

W7  
NEW CLOSED CONTROL POST (107)

- Glazing  
 - 12.7 mm monolithic polycarbonate as tested and approved by H.P. White meets this requirement.  
 - Material shall be protected by a sacrificial layer of 6 mm tempered glass or polycarbonate with an air space between it and the 12.7 mm polycarbonate. The sacrificial layer shall be set on the attack side;  
 - Glazing assembly shall consist of 2.36 mm (0.093") rolled steel frame;  
 - Glazing stops shall be of 4.0 mm thick angle or channel steel or solid bar with an engagement of 25 mm minimum.  
 Stops shall be removable from the attack side. Removable stops shall be held by 9.6 mm security screws set at 200 mm on centre.



W3  
NEW CONTROL POST (108)  
Glazing (Level B Protection) as per Page A-84;  
6.4.2.1 Technical Criteria for CSC  
- 12.7mm monolithic polycarbonate  
- air space  
- sacrificial layer of 6mm tempered glass

W4  
NEW CONTROL POST (108)  
NEW DISPENSARY (108)  
Glazing (Level B Protection) as per Page A-84;  
6.4.2.1 Technical Criteria for CSC  
- 12.7mm monolithic polycarbonate  
- air space  
- sacrificial layer of 6mm tempered glass

W5  
NEW DISPENSARY (108)  
Glazing (Level B Protection) as per Page A-84;  
6.4.2.1 Technical Criteria for CSC  
- 12.7mm monolithic polycarbonate  
- air space  
- sacrificial layer of 6mm tempered glass

W6a  
BARRIER WALL IN RANGE D  
Glazing (Level B Protection) as per Page A-84;  
6.4.2.1 Technical Criteria for CSC  
- 12.7mm monolithic polycarbonate  
- air space  
- sacrificial layer of 6mm tempered glass

W8  
Glazing (Commercial Level 2) as per Page A-21;  
5.2 Technical Criteria for CSC  
- medium duty heat tempered glass

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5		
4		
3		
2		
1	ISSUED FOR ADDENDUM #6	2020/03/09
0	ISSUED FOR TENDER	2018/12/20

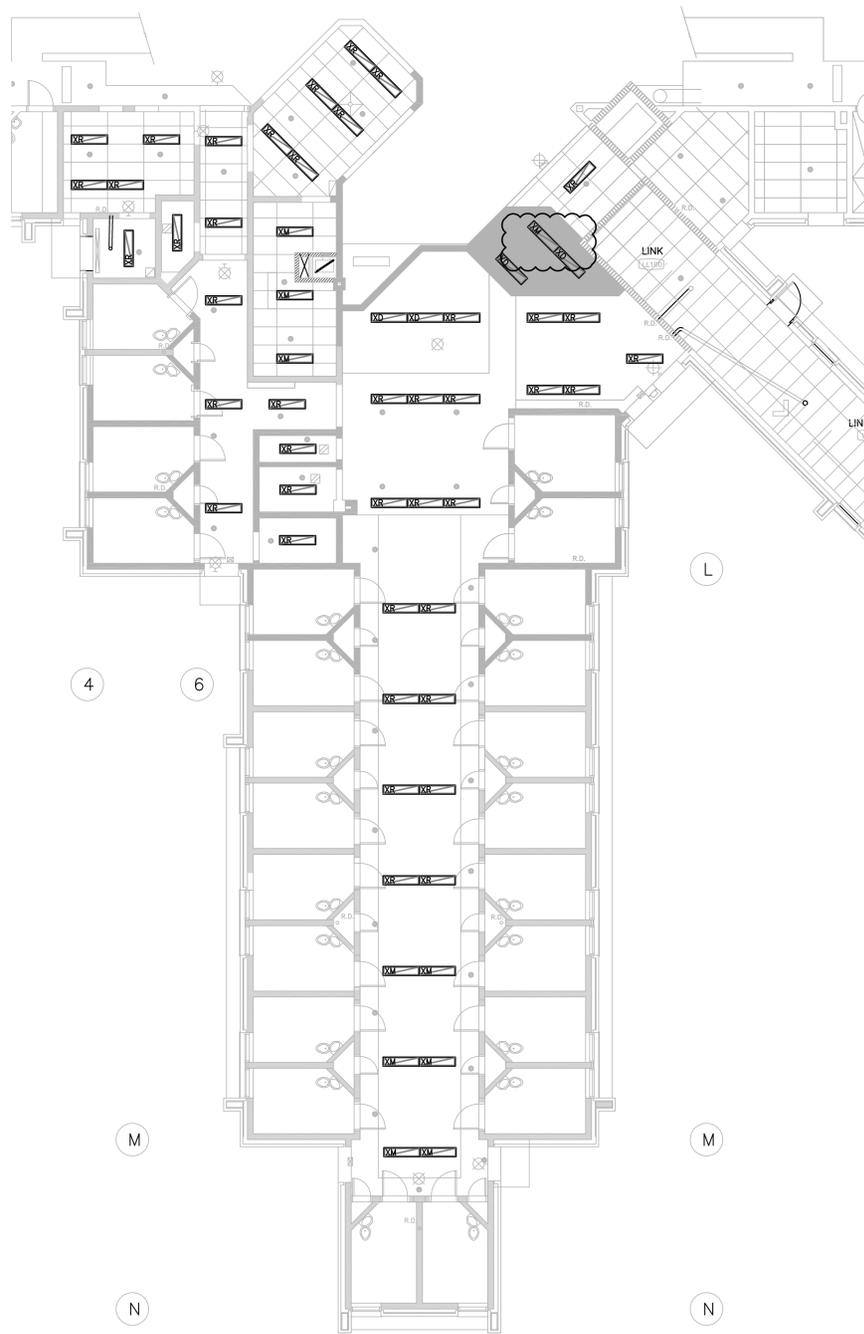
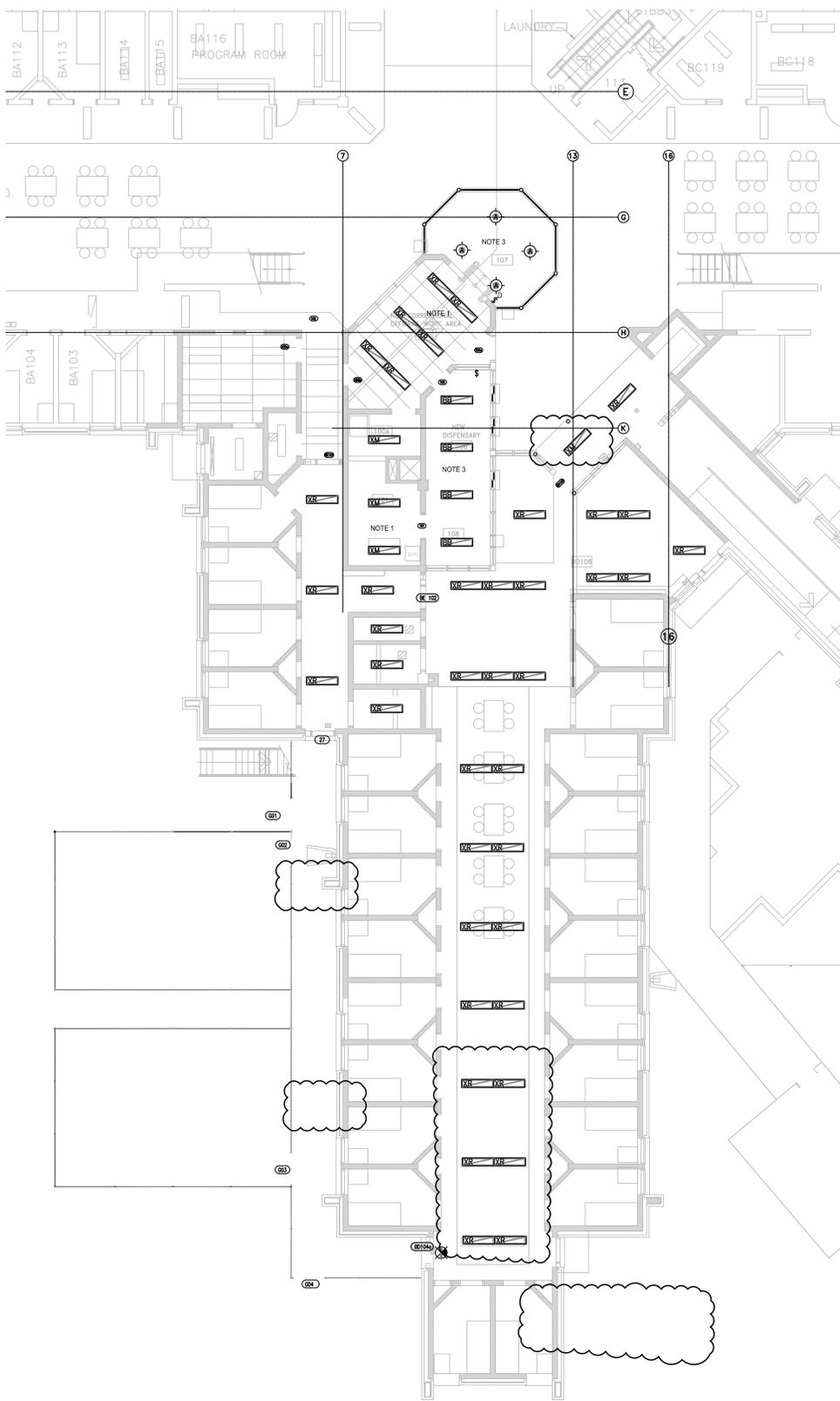
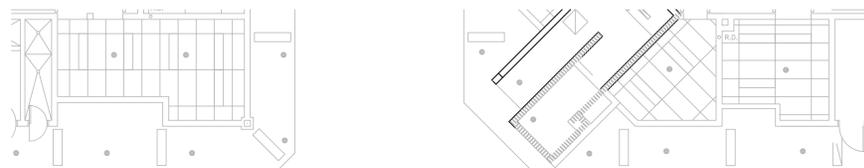
CORRECTIONAL SERVICES CANADA

BOW UNIT REDEVELOPMENT

Designed by: [Blank] (Comp. pd)  
 PM  
 Drawn by: [Blank] (Desain. pd)  
 MW, RH  
 Approved by: [Blank] (Approv. pd)

BOW UNIT  
DOOR & WINDOW SCHEDULE

Project no./No. du projet: R.082215.001  
 Drawing no./No. du dessin: A5.0  
 Revision no.: 1



**ELECTRICAL DEMOLITION AND SALVAGE**

- UNLESS OTHERWISE NOTED ALL EXISTING ELECTRICAL SYSTEMS WHICH BECOME REDUNDANT SHALL BE REMOVED BY THE CONTRACTOR.
- REMOVE ALL REDUNDANT EXISTING CONDUIT WHERE ACCESSIBLE.
- REMOVE ALL REDUNDANT EXISTING CONDUCTORS TO POINT OF SOURCE.
- CUT AND PATCH EXISTING WALLS WHERE REQUIRED TO ACCOMMODATE NEW EQUIPMENT OR CONDUIT. LEAVE FINISHED SURFACE OF WALL IN READY TO PAINT CONDITION.
- TURN ALL SALVAGE MATERIAL OVER TO BUILDING OWNER.
- CONTRACTOR SHALL VISIT SITE PRIOR TO TENDER TO DETERMINE EXTENT OF DEMOLITION REQUIRED. NO EXTRAS WILL BE CONSIDERED FOR WORK RESULTING FROM CONDITIONS THAT WOULD HAVE BEEN EVIDENT UPON THOROUGH EXAMINATION OF THE SITE.
- CONTRACTOR SHALL UPDATE AND CONFIRM PANEL SCHEDULES AND LOADS FOR ALL PANELS AFFECTED BY THIS RENOVATION.
- MAINTAIN CONTINUITY OF EXISTING BRANCH CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES AND LUMINAIRES THAT ARE NOT BEING REMOVED.
- ANY EXISTING CONDITIONS INDICATED ARE BASED UPON INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

**LUMINAIRE SCHEDULE**

- BB 30x120mm RECESSED LED SUITABLE FOR T-BAR MOUNTING, HINGED WHITE DOOR FRAME WITH MITRED CORNERS AND SPRING LOADED LATCHES. 12mm THICK K12 LENS AND POST-PAINTED FINISH. COOPER KEPLER ADJUSTABLE (OR APPROVED EQUAL)
- CC 30x120mm RECESSED LED CW HINGED FRAMED 12mm THICK LENS AND POST-PAINTED FINISH. HARDENED SECURITY (ORX WITH CENTER REJECT) SCREWS. RENALL RMCA (OR APPROVED EQUAL)
- A 100mm ROUND RECESSED LED HYPERBOLIC DOWNLIGHT, MEDIUM DISTRIBUTION, SEMI-SPECULAR BLACK REFLECTOR. 12V, 0-10V DIMMING. BOLLAMERS
- XD EXISTING FIXTURE TO BE REMOVED/DEMOLISHED
- XR EXISTING FIXTURE TO REMAIN
- XM EXISTING FIXTURE TO BE RELOCATED AND RE-INSTALLED.

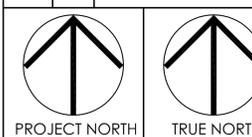
**NOTES**

- CONTROL OF FIXTURES IN ROOM TO REMAIN WITH EXISTING CONTROUS.
- THE RELOCATED LIGHT FIXTURES INTO CIRCUIT/SWITCHING SCHEME PREVIOUSLY SERVING THE AREA.
- NEW LIGHTS TO BE FED FROM EXISTING LIGHTING CIRCUIT (E-15) SERVING ADJACENT SPACE.

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Revision Schedule		
Revision Number	Revision Date	Revision Description
1	03/18/19	ISSUED FOR TENDER
2	03/07/20	ISSUED FOR ADDENDUM #1
		ISSUED FOR ADDENDUM #2



**PROJECT**  
BOW UNIT REDEVELOPMENT

**DRAWING**  
ELECTRICAL LIGHTING DEMO & NEW CONSTRUCTION

DESIGNED **TM**

DRAWN **TM**

REVIEWED

DATE APPROVED

DATE  
FWOSC PROJECT NUMBER **R.082215.001** ARCHITECT PROJECT NUMBER **1706**

DRAWING NUMBER **E-1**

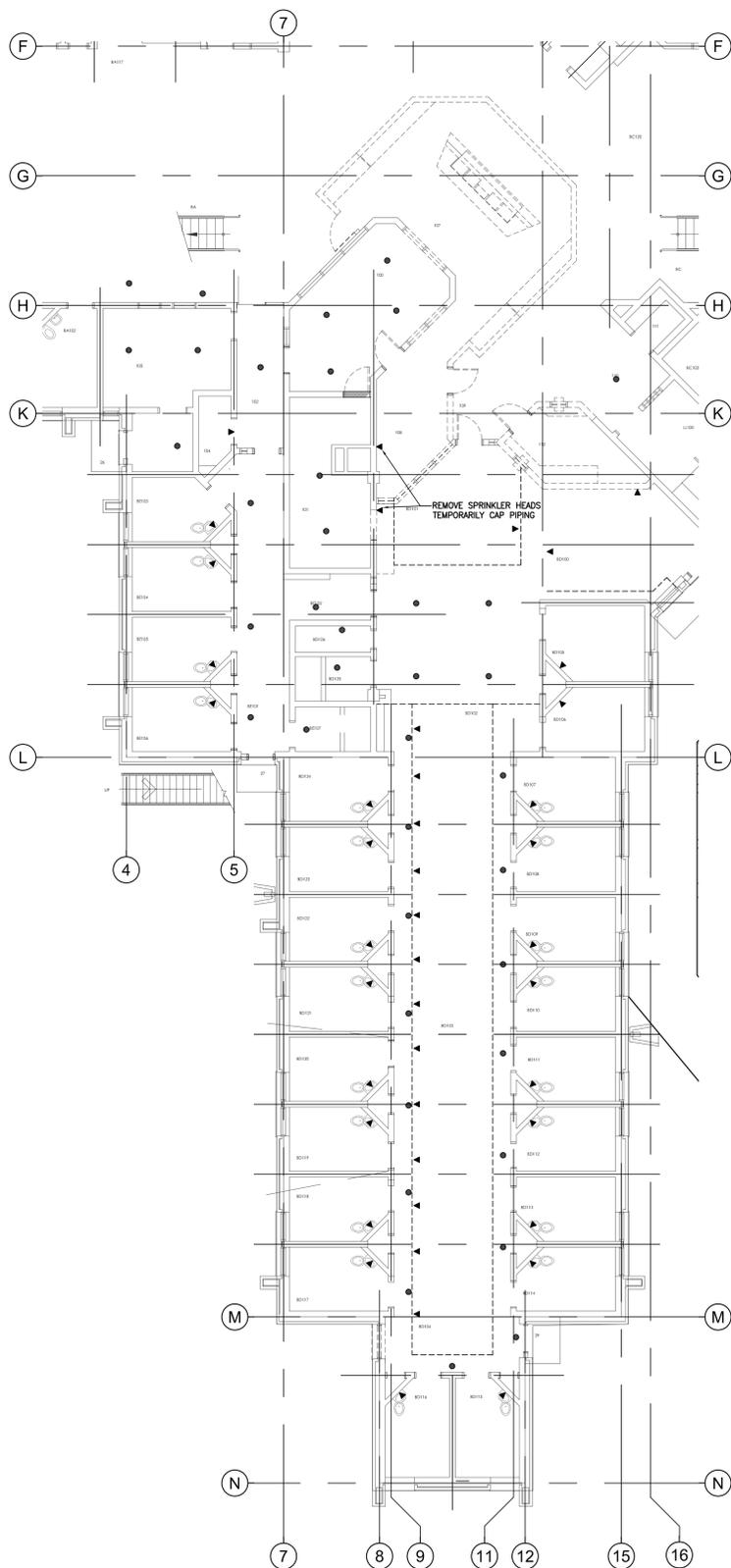
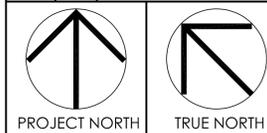
1 LIGHTING PLAN - DEMO  
1:100

2 LIGHTING PLAN - NEW CONSTRUCTION  
1:100

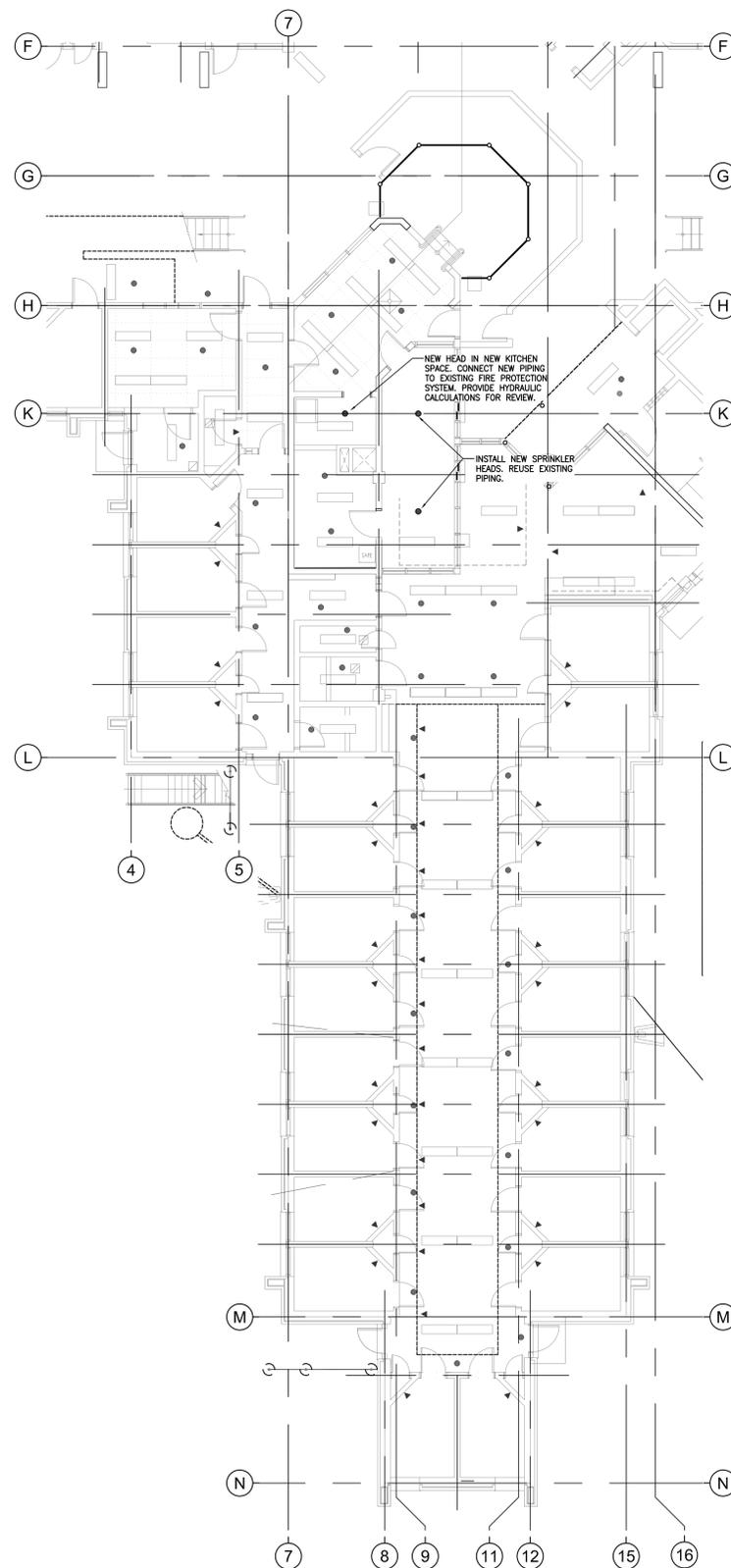
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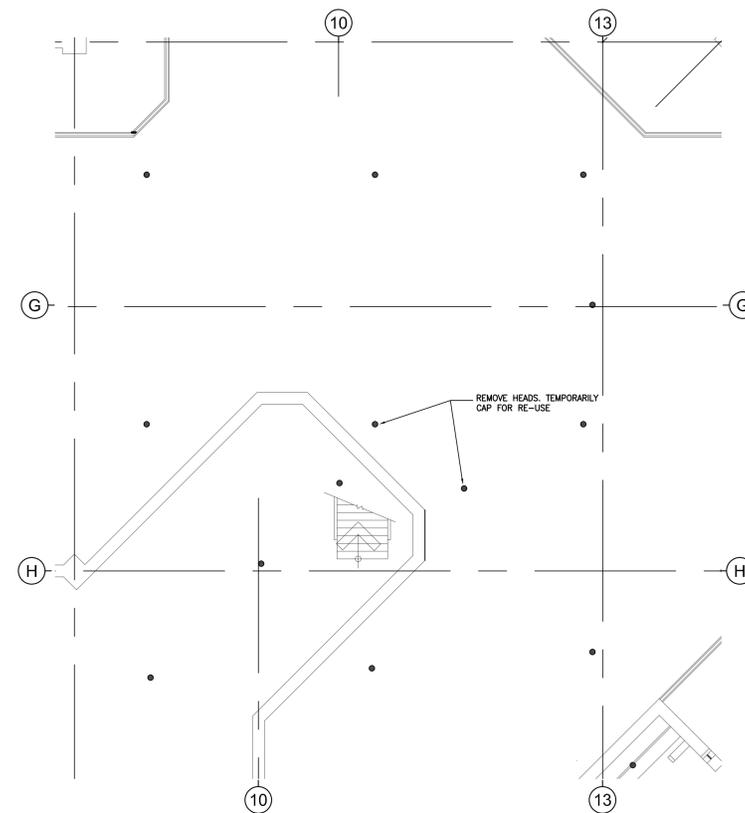
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0	18/10/03	ISSUED FOR TENDER
1	19/03/13	ISSUED FOR ADDENDUM 1
2	20/03/09	ISSUED FOR ADDENDUM 6



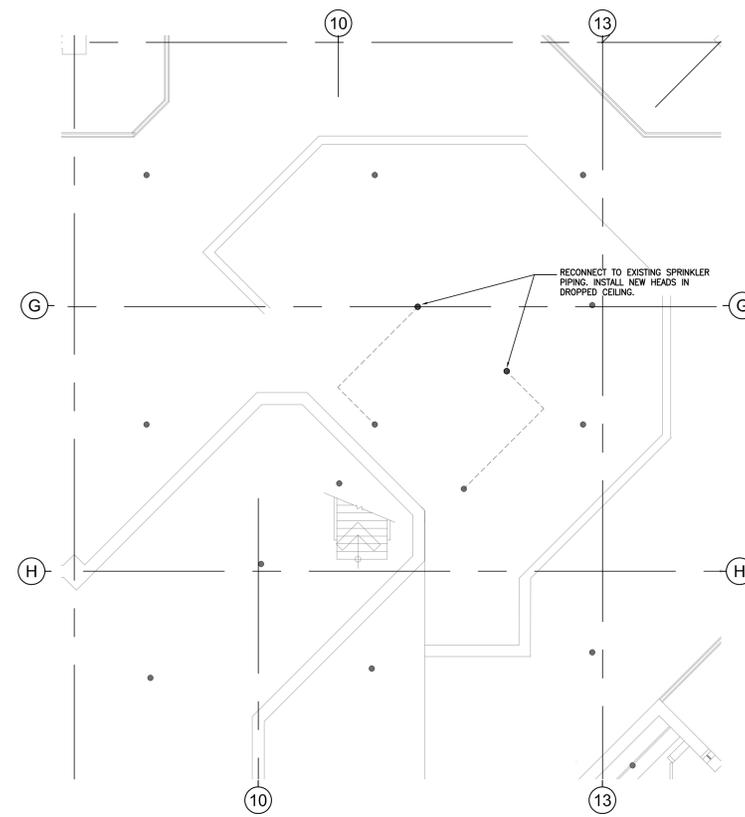
**1 MAIN FLOOR SPRINKLER LAYOUT - EXISTING**  
1:100



**2 MAIN FLOOR SPRINKLER LAYOUT - NEW**  
1:100



**3 SECOND FLOOR SPRINKLER LAYOUT - EXISTING**  
1:50



**4 SECOND FLOOR SPRINKLER LAYOUT - NEW**  
1:50

NOTES:  
 1. FIRE EXTINGUISHER CABINETS TO REMAIN IN CURRENT LOCATION, IF REQUIRED. REMOVE CABINET DURING RENOVATION WORK TO PROTECT EQUIPMENT.  
 2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE EXTINGUISHERS AS MAY BE REQUIRED DURING PHASING TO MEET ALL APPLICABLE CODE REQUIREMENTS.

PROJECT  
**BOW UNIT REDEVELOPMENT**

DRAWING  
**BOW UNIT FIRE PROTECTION**

DESIGNED  
**BP**

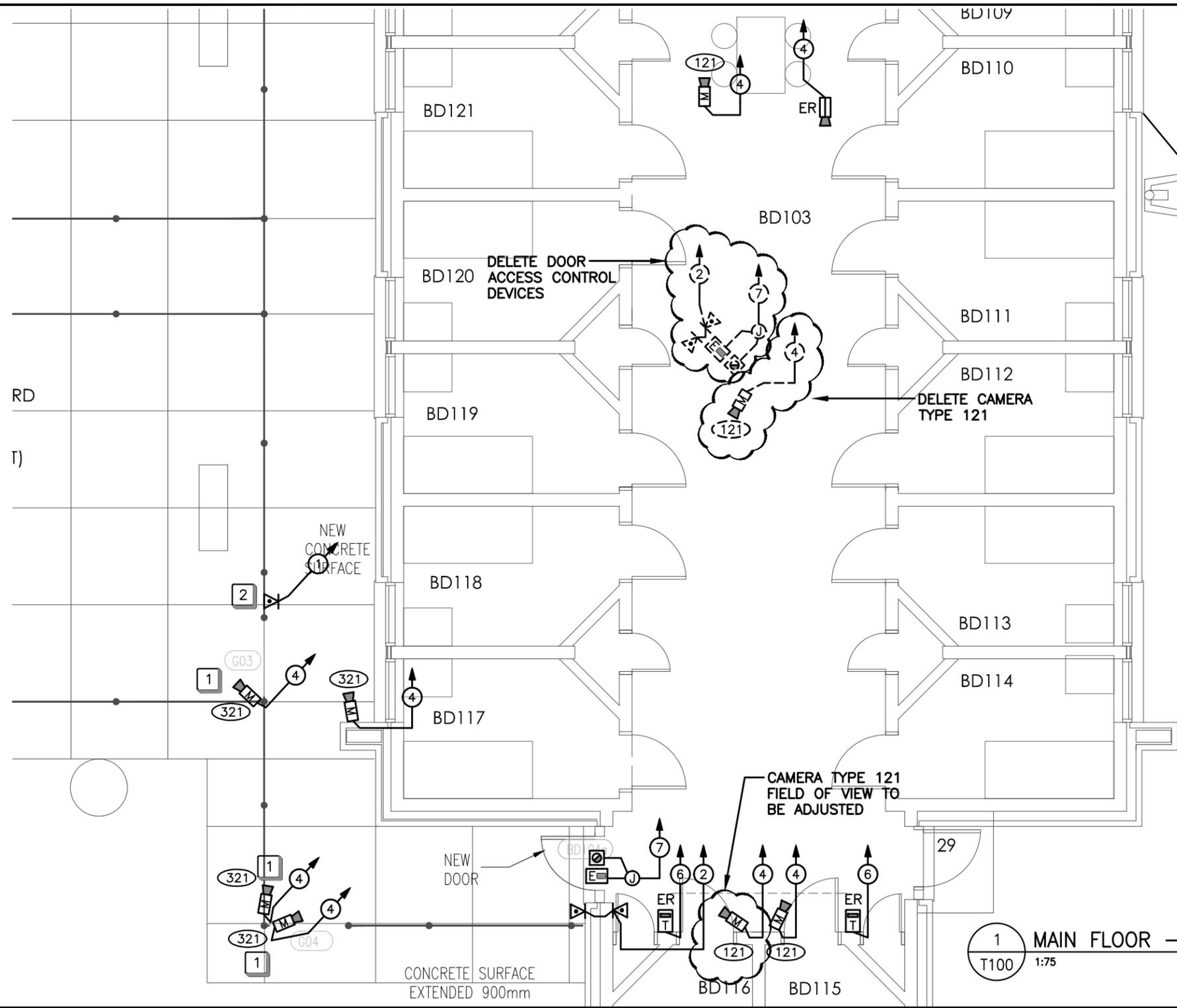
DRAWN  
**BB**

REVIEWED  
**BP**

DATE APPROVED  
**BP**

DATE  
 PWGSC PROJECT NUMBER **R.082215.001** ARCHITECT PROJECT NUMBER **1706**

DRAWING NUMBER  
**M2.4**



1 MAIN FLOOR – TECHNOLOGY – CONSTRUCTION PLAN  
T100 1:75

REFERENCE DRAWING: T100



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PROJECT:

CORRECTIONAL SERVICES CANADA  
BOW UNIT REDEVELOPMENT

TITLE:

BOW UNIT MAIN FLOOR – CONSTRUCTION  
TECHNOLOGY LAYOUT

PROJECT NO:

171-04394-00

SCALE:

1:75

DRAWN BY:

S. AKANO

CHECKED BY:

R. SOLLINGER

SUPPLEMENTAL:

ADDENDUM:

ADD.#

DIRECTIVE:

DIR.#

CHANGE ORDER:

CHG.#

REVISION:

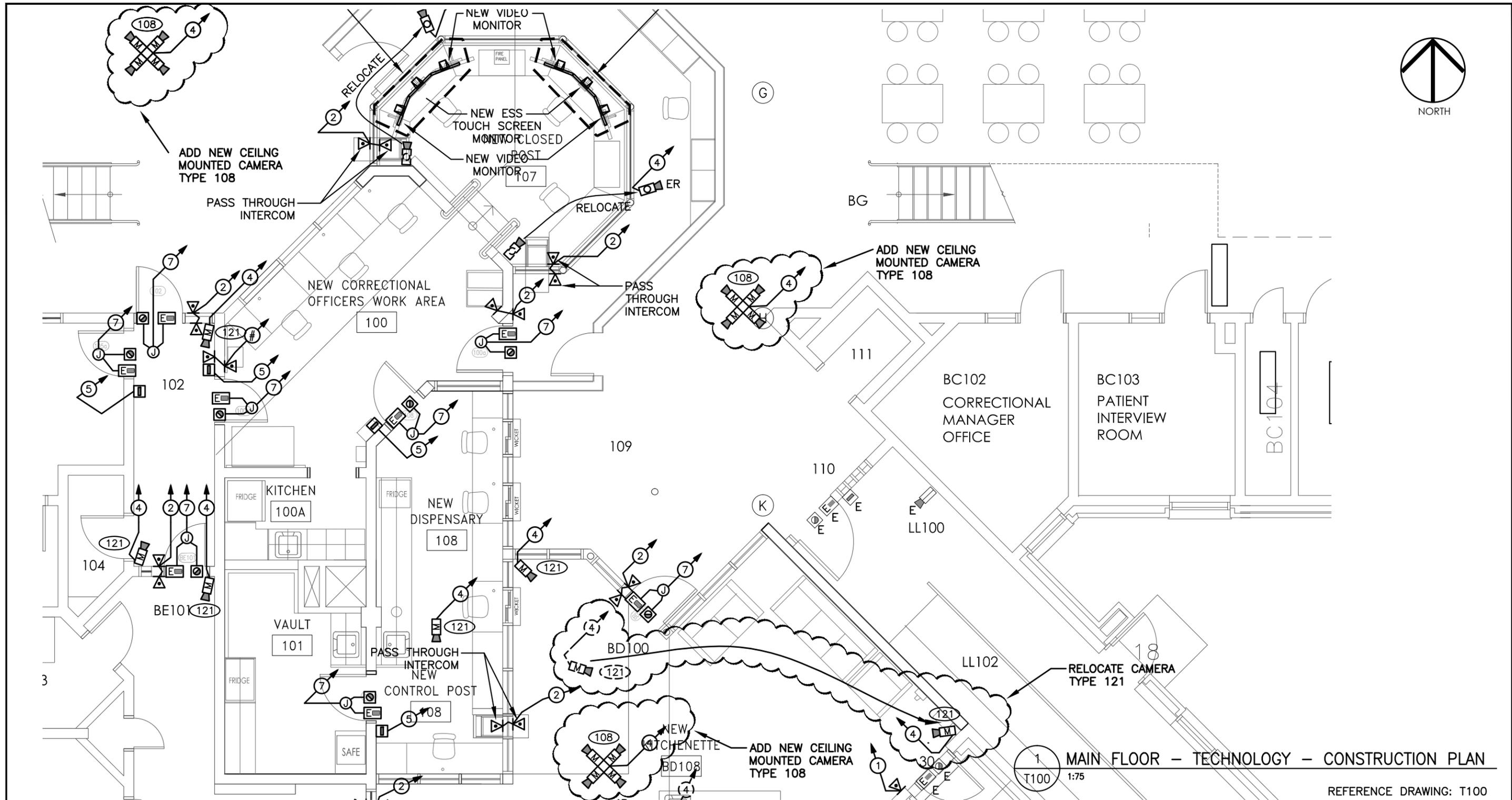
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DATE:

2020/03/09

SUPPLEMENTAL NO:

SKE-1



1 MAIN FLOOR – TECHNOLOGY – CONSTRUCTION PLAN  
1:75

REFERENCE DRAWING: T100



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PROJECT:

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BOW UNIT REDEVELOPMENT

TITLE:

BOW UNIT MAIN FLOOR – CONSTRUCTION  
TECHNOLOGY LAYOUT

PROJECT NO:

171-04394-00

SCALE:

1:75

DRAWN BY:

S. AKANO

CHECKED BY:

R. SOLLINGER

SUPPLEMENTAL:

ADDENDUM:

ADD.#

DIRECTIVE:

DIR.#

CHANGE ORDER:

CHG.#

REVISION:

0

DATE:

2020/03/09

SUPPLEMENTAL NO:

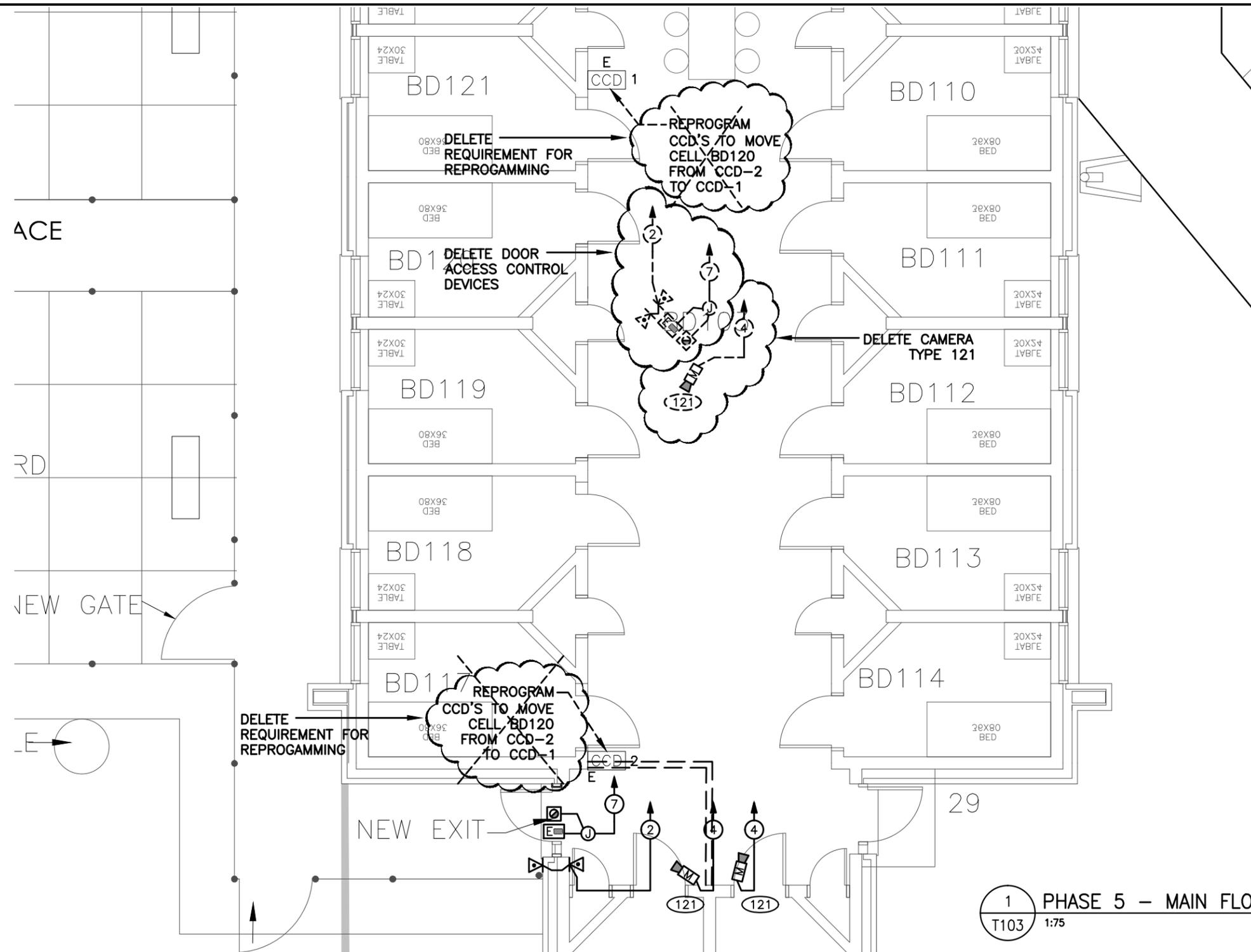
SKE-2



	TYPE:	
	SYMBOL:	 INTERIOR FIXED (8MP) CAMERA W/VERIFOCUS TYPE 108
	DESCRIPTION:	DAY/NIGHT IP (POE) MULTI-LENS CAMERA (8MP) W/ REMOTE AUTO FOCUS LENS. VARIFOCAL LENS (3mm TO 6mm) W/ HORIZONTAL FIELD OF VIEW 96° TO 49°. 1080P RESOLUTION AT 30 FRAMES PER SECOND, HIGH IMPACT, VANDAL RESISTANT ALUMINUM HOUSING W/ POLYCARBONATE DOME, IP66 RATED W/ -30°C RATING FOR EXTERIOR LOCATIONS, POWER IEEE 802.3AF CLASS 4. MAKE/MODEL: AXIS P3717-PL.
	LOCATIONS:	CORRIDORS
	MOUNTING:	SURFACE CEILING
	CABLING:	CAT6 (IP VIDEO AND POWER)
	ELECTRICAL:	POWER OVER ETHERNET (2.8W, MAX 3.9W)

REFERENCE DRAWING: T201

 <p>1200, 10909 Jasper Avenue NW Edmonton, AB, Canada T5J 3L9 Tel.: +1 780-410-6740 Fax: +1 780-449-4050 wsp.com</p>	PROJECT:	CORRECTIONAL SERVICES CANADA BOW UNIT REDEVELOPMENT	PROJECT NO:	171-04394-00	SUPPLEMENTAL:	ADD_# <input checked="" type="checkbox"/>
	TITLE:	BOW UNIT - CAMERA SCHEDULES NEW TYPE 108	SCALE:	N.T.S.	DIRECTIVE:	DIR_# <input type="checkbox"/>
			DRAWN BY:	S. AKANO	CHANGE ORDER:	CHG_# <input type="checkbox"/>
			CHECKED BY:	R. SOLLINGER	REVISION:	0
				DATE:	2020/03/09	
				SUPPLEMENTAL NO:	SKE-3	



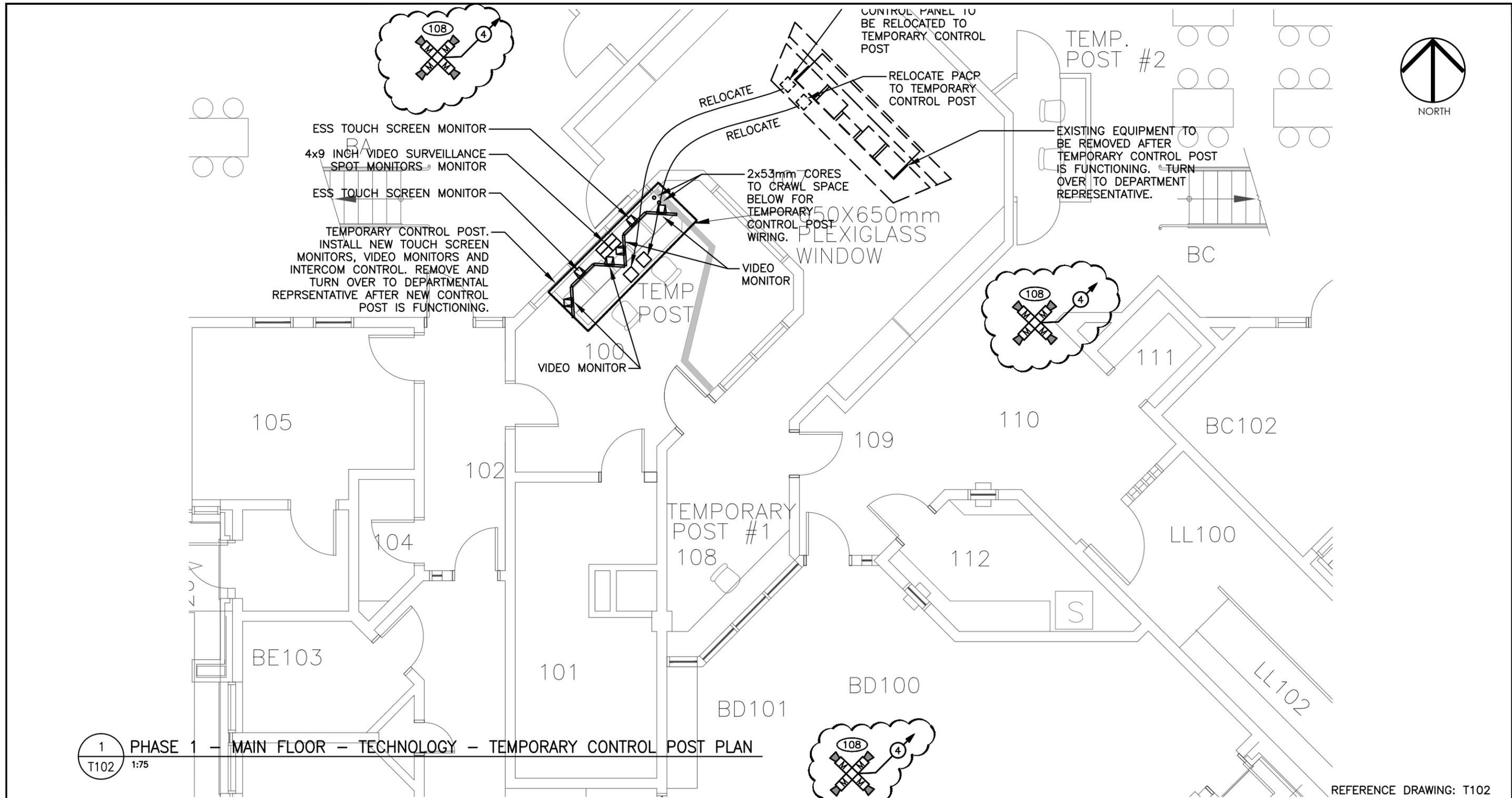
1 PHASE 5 - MAIN FLOOR - TECHNOLOGY  
T103 1:75

REFERENCE DRAWING: T103



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PROJECT:	CORRECTIONAL SERVICES CANADA BOW UNIT REDEVELOPMENT		PROJECT NO:	171-04394-00	SUPPLEMENTAL:	ADD.# <input checked="" type="checkbox"/>
TITLE:	BOW UNIT MAIN FLOOR PHASING PLAN - TECHNOLOGY LAYOUT		SCALE:	1:75	DIRECTIVE:	DIR.# <input type="checkbox"/>
			DRAWN BY:	S. AKANO	CHANGE ORDER:	CHG.# <input type="checkbox"/>
			CHECKED BY:	R. SOLLINGER	REVISION:	0
					DATE:	2020/03/09
					SUPPLEMENTAL NO:	SKE-4



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PROJECT NO:

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SCALE:

1:75

DRAWN BY:

S. AKANO

CHECKED BY:

R. SOLLINGER

SUPPLEMENTAL:

ADDENDUM:  
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DATE:

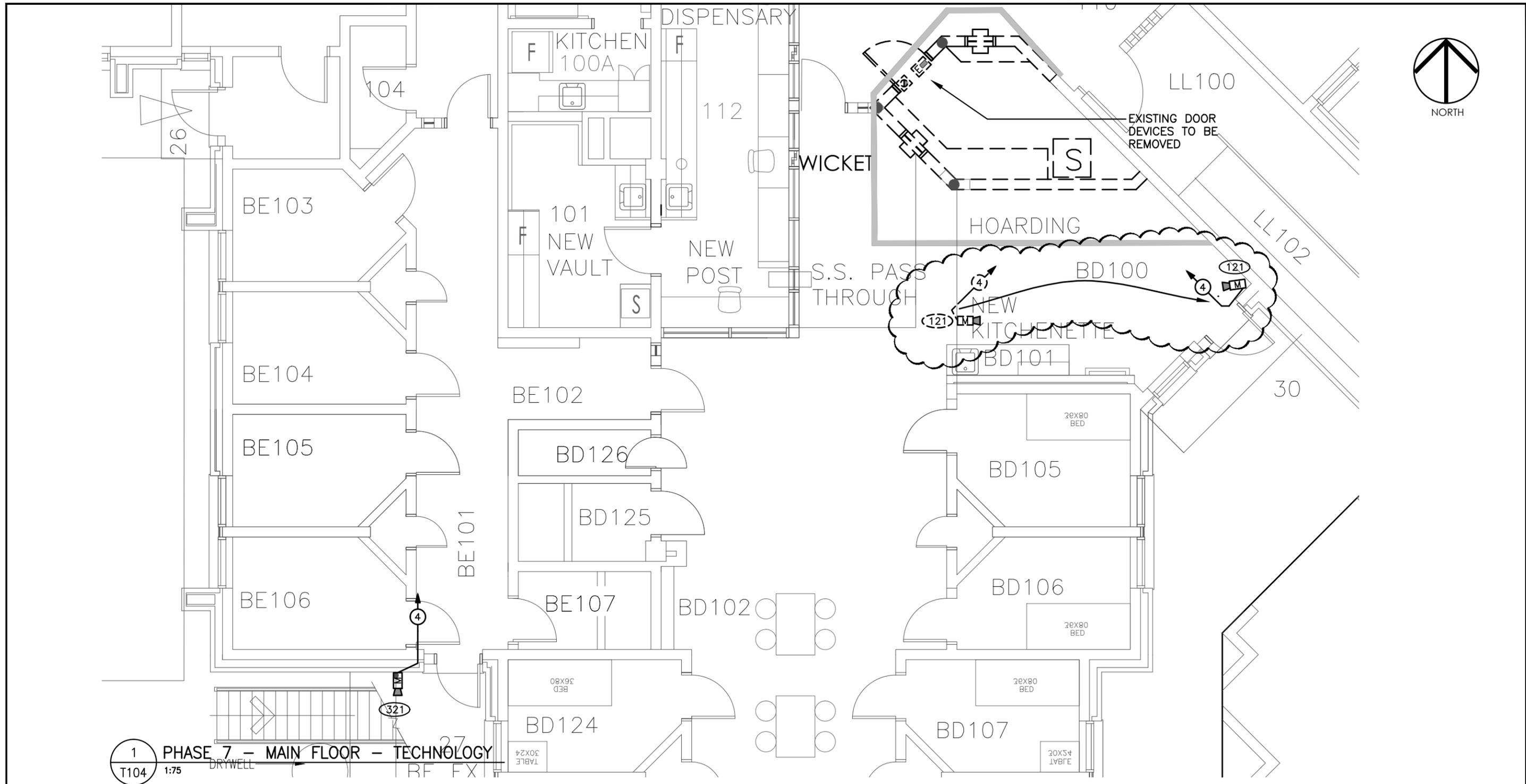
2020/03/09

SUPPLEMENTAL NO:

SKE-5

TITLE:

BOW UNIT MAIN FLOOR  
 PHASING PLAN - TECHNOLOGY LAYOUT



1 T104 PHASE 7 - MAIN FLOOR - TECHNOLOGY  
1:75

REFERENCE DRAWING: T104



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BOW UNIT REDEVELOPMENT

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SCALE:

1:75

DRAWN BY:

S. AKANO

CHECKED BY:

R. SOLLINGER

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ADDENDUM:

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DIRECTIVE:

DIR\_#

CHANGE ORDER:

CHG\_#

REVISION:

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DATE:

2020/03/09

SUPPLEMENTAL NO:

SKE-5

TITLE:

BOW UNIT MAIN FLOOR  
PHASING PLAN - TECHNOLOGY LAYOUT

**1.0 OVERVIEW:**

**1.1 General Requirements**

- .1 The Bow Unit will remain operational throughout construction. This will mean that all Life Safety and security systems must be operational at all times. Before any equipment is removed from operation, the replacement equipment must be operational, so that there is a seamless transition.. If there will be a shut down of any life safety or security equipment, the contractor to notify the Departmental Representative 6 weeks in advance, so that alternative measures can be made for temporarily relocating the occupants of the Unit. For the temporary shut down of non Life Safety systems, such as the HVAC system, the contractor to notify the Departmental Representative 2 weeks in advance.
- .2 All hoarding to be constructed from floor to ceiling. Refer to specifications section 01 56 00
- .3 Refer to the Material Storage Plan 12/A0.2 for proposed location of material storage and access door locations for work on the project.

**1.2 Phases of Construction**

- .1 The Construction to follow the Phases of Construction. Refer to the Phasing Drawing A0.2. Each Phase has been broken down into work to be done for each discipline. It is the Contractors' responsibility to review each phase and bring any issues that might compromise the continuous operation of the Bow Unit to the attention of the Departmental Representative so that changes can be made.
- .2 It is the Contractors responsibility to implement the intention of the phases and do the work in an order that brings the least amount of disruption to the occupants of the Unit.
- .3 Any work that must be done to allow for the work listed in the phases to be done, is the responsibility of the contractor to coordinate with the Departmental Representative. The contractor to notify the occupants of his/her expectations and schedule for the removal of furniture and equipment etc. from the spaces that will be under construction. The Contractor is not responsible for relocating the furniture and equipment that is not required for the continued operation of the facility.
- .4 The Regional Psychiatric Center will be responsible to relocate supplies and equipment to alternative locations within the facility during Construction, for example: in Room 100 fridge, photocopier, shredder, extra desks and computers to be relocated.

**1.3 Mechanical General Comments:**

- .1 The mechanical systems must remain operational in all areas of the Bow unit unaffected by the renovations.

**1.4 Electrical General Comments:**

- .1 The electrical systems must remain operational in all areas of the Bow unit unaffected by the renovations.

**1.5 Technology General Comments:**

- .1 The technology systems must remain operational in all areas of the Bow unit unaffected by the renovations.
- .2 The technology control post systems must remain operational at all times for the temporary, MCCP and new control posts. Programming must be uploaded and tested before cutting over to the temporary and new control posts.

**2.0 CONSTRUCTION PHASES**

**2.1 PHASE 01**

**.1 ARCHITECTURAL:**

- .1 Set up temporary posts #2 and #3 within the Dayroom on the outside of the existing control post and maintain existing post as temp post #1.
- .2 Set up the Hoarding inside room 100 (with plexi-glass window)
- .3 Set up a temporary work station desk for the control post equipment in room 100.
- .4 Control Post operational in temporary location in Room 100

**.2 MECHANICAL:**

- .1 Demolish ducting, revise supply air duct and diffuser within room 100. Adjust flowrate to suit as per drawings.
- .2 Install new domestic and sanitary piping in crawlspace. Temporarily cap new piping. Do not begin demolition of piping in crawlspace at this time.

**.3 ELECTRICAL:**

- .1 Provide temporary power/communications connection to new temporary control post location.

**.4 TECHNOLOGY:**

- .1 Install door hardware lock modules, new camera network switch and new intercom network switch in Electrical Room 200 and Stair 1 equipment racks.
- .2 Install temporary control post equipment including touch screen monitors, video monitors, intercom masters and make operational.
- .3 Move Paging Panel to temporary control post just prior to operational switch over.
- .4 Add a "Spot Monitor" for IPC cells (BE103,104,105,106)
- .5 Install new "multi-lens" Type 108 cameras as indicated on Addendum 6 – Technology Sketch SKE-2.
- .6 Install camera type 121 in relocated position as indicated on Addendum 6 – Technology Sketch SKE – 5.

**2.2 PHASE 02**

**.1 ARCHITECTURAL:**

**2.**

**.1**

- .1 Set up the hoarding around the existing low wall of the existing control post
- .2 Demolish the low wall and counter and millwork for the existing control post.
- .3 Demolish the existing windows and wall in room 100 within the new construction zone.

**.2 MECHANICAL:**

- .1 N/A

**.3 ELECTRICAL:**

- .1 Demolish existing electrical within walls being removed surrounding temporary control post.

**.4 TECHNOLOGY:**

- .1 Relocate existing PTZ video surveillance cameras to hoarding and add new fixed camera on hoarding.
- .2 Remove existing control post equipment and turn over to Departmental Representative.
- .3 Add additional PTZ, location as per drawing

**2.3 PHASE 03**

**.1 ARCHITECTURAL**

- .1 Construct the new closed post behind the hoarding, up to the u/s of the structure above, including the new raised access floor, new block wall, steel structure,, steel plate and drywall wall, new windows and pass-throughs, new steps and handrails, new door to room 100 and new dispensary north wall
- .2 Fit up the control post with millwork desk, file cabinets and key cabinet
- .3 Install open control post with low wall, gates and counter and millwork
- .4 Set up Hoarding around new kitchenette and TV wall

**.2 MECHANICAL:**

- .1 Adjust sprinkler heads in closed control post. Ensure installation meets NFPA spacing requirements.
- .2 Install new sink, complete plumbing connections in new kitchenette.

**.3 ELECTRICAL:**

- .1 Install new power, communications and lighting within new closed control post.

**.4 TECHNOLOGY:**

- .1 Install new control post equipment including touch screen monitors, video monitors, intercom masters and make operational.
- .2 Add new intercoms and door controls.

**2.4 PHASE 04**

**.1 ARCHITECTURAL:**

- .1 Demolish hoarding around new control post
- .2 New Closed Control Post and open post operational
- .3 Remove temporary control post from inside room 100
- .4 Maintain operation of temporary posts #1, #2 and #3 until hoarding is removed.
- .5 Install new concrete wall for new kitchenette and TV. Install new kitchenette.
- .6 demolish hoarding from around the kitchenette

**.2 MECHANICAL:**

- .1 N/A

**.3 ELECTRICAL:**

- .1 Demolish temporary power & communications installed to support temporary control post.

**.4 TECHNOLOGY:**

- .1 Remove temporary control post equipment and turn over to Departmental Representative.
- .2 Relocate video surveillance cameras from hoarding to new control post walls.

**2.5 PHASE 05**

**.1 ARCHITECTURAL:**

- .1 Remove temporary Posts #2 and #3
- .2 Set up Hoarding for construction zone around new door to corridor 102, around new dispensary, around new exterior door and around area for new kitchenette and TV wall.
- .3 Install new desks in room 100
- .4 Demolish: gate to corridor 102, Range D kitchenette, Range D glass wall, wall for new door to vault from Dispensary, exterior window and wall for new exterior door for special population.
- .5 Start excavation for pavement for exercise courtyards
- .6 Remove the splash pad

**.2 MECHANICAL:**

- .1 N/A

**.3 ELECTRICAL:**

- .1 Install conduit prior to new concrete pour for fire alarm device connections.

**.4 TECHNOLOGY:**

- .1 Remove existing door controls.
- .2 Relocate existing camera.
- .3 Remove PTZ.
- .4 Add fixed cameras as per attached drawing
- .5 Leave Guard Tour stations in their existing locations.

**2.6 PHASE 06**

**.1 ARCHITECTURAL:**

- .1 Construct new door and side light at corridor 102, Construct and fit up new Dispensary and vault and new coffee room (off of room 100), Construct new exterior door from Range D to new exercise yards.
- .2 Construct new paving, trench, and fence posts, gates and benches for exercise Courtyards. Maintain exit at door 27.
- .3 Remove hoarding from around new exterior door, dispensary, and door 102

**.2 MECHANICAL:**

- .1 Install new ducting and diffusers in new dispensary.
- .2 Install new sinks and complete plumbing connections to sinks in new dispensary and vault.
- .3 Adjust sprinkler heads to suit new layout.

**.3 ELECTRICAL:**

- .1 Install new courtyard devices and lighting
- .2 Install new devices & lighting within dispensary & kitchenette.

**.4 TECHNOLOGY:**

- .1 Install new card readers, door controls, intercoms and cameras.
- .2 Adjust camera Type 121 field of view as per Addendum 6 – Technology Sketch SKE-1.

- .3 – Delete the installation of new door controls, intercoms and camera as per Addendum 6 – Technology Sketch SKE-1.

**2.7 PHASE 07**

**.1 ARCHITECTURAL:**

- .1 New dispensary, Range D control Post, and new exterior door operational
- .2 Set up hoarding around the existing dispensary. Maintain operation of Range D Door.
- .3 Demolish existing dispensary.
- .4 Install structural posts to support 2<sup>nd</sup> floor

**.2 MECHANICAL:**

- .1 Demolish existing piping for existing Dispensary. Remove sink.
- .2 Demolish supply air duct in existing Dispensary. Permanently cap duct.

**.3 ELECTRICAL:**

- .1 Demolish electrical associated with old dispensary.

**.4 TECHNOLOGY:**

- .1 Install new courtyard cameras, intercoms and door controls.
- .2 Install new exterior building cameras, intercoms and door controls.
- .3 Install new interior cameras, intercoms, and door controls.

**2.8 PHASE 08**

**.1 ARCHITECTURAL:**

- .1 Exercise courtyards operational
- .2 Construct new Range D glass barrier and new Range D door
- .3 Demolish hoarding around new door to Range D so that it is operational.
- .4 Set up hoarding around old Range D door.
- .5 Demolish existing Range D door
- .6 Construct remaining portion of Range D glass barrier

**.2 MECHANICAL:**

- .1 N/A

**.3 ELECTRICAL:**

- .1 N/A

**.4 TECHNOLOGY:**

- .1 Remove existing door control.
- .2 Install new door controls.
- .2 Relocate camera.

**2.9 PHASE 09**

**.1 ARCHITECTURAL:**

- .1 Remove hoarding around old range D door

**.2 MECHANICAL:**

- .1 N/A

- .3 **ELECTRICAL:**
  - .1 N/A
  
- .4 **TECHNOLOGY:**
  - .1 Install new video surveillance cameras.
  - .2 Install new courtyard and door intercoms.
  - .3 Recalibrate PALS sensors in entire Bow unit.



## REQUEST FOR EQUAL FORM

<b>Project</b>	Churchill and Bow Unit Replacement Phase 2, Bow Unit, Saskatoon		
<b>Mechanical Engineer</b>	WSP Group		
<b>Attention</b>	Dallas Wiebe		
<b>Supplier</b>	<b>HVAC SALES (1997) LTD.</b>		<b>Dated Submitted:</b> 3/4/2020
	<input type="checkbox"/>  606A Solomon Cres, Regina, SK S4N 4N7 Ph: 306-721-7980 Fax: 306-721-7982	<input checked="" type="checkbox"/>  Bay 1 227 Wheeler St, Saskatoon, SK S7P 0A4 Ph: 306-931-4773 Fax: 306-384-9645	<b>Sent by:</b> <b>Shaylene Nong</b> <b>(shaylene@skhvac.com)</b>

Manufacture	Description	Approved (Yes/No)
<b>Kees</b>	<b>Security Grilles</b>	Yes