

RENOVATIONS TO GOVERNMENT OF CANADA BUILDING Ulukhaktok, NWT

WBSE # R.023085.001

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LIST OF DRAWINGS

ARCHITECTURAL

- A0 COVER SHEET
- A1 NOTES, DEMOLITION PLAN,
FLOOR PLAN, REFLECTED CEILING PLAN AND DETAILS
- A2 DOOR SCHEDULE, ROOM FINISH SCHEDULE,
INTERIOR ELEVATIONS AND DETAILS
- A3 MILLWORK DETAILS
- A4 FLOOR PLAN, NOTES, SCHEDULES AND
DETAILS

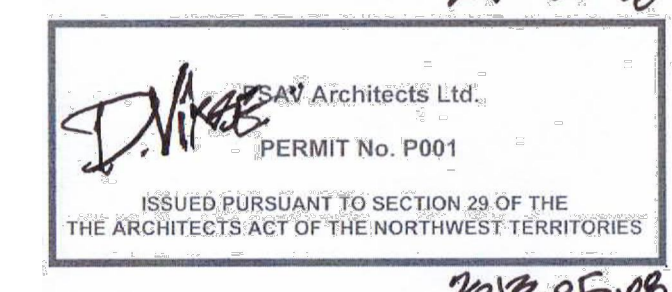
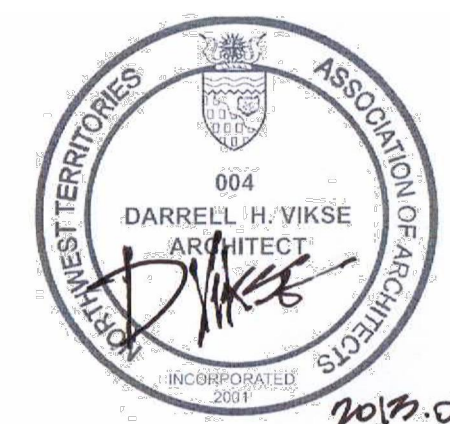
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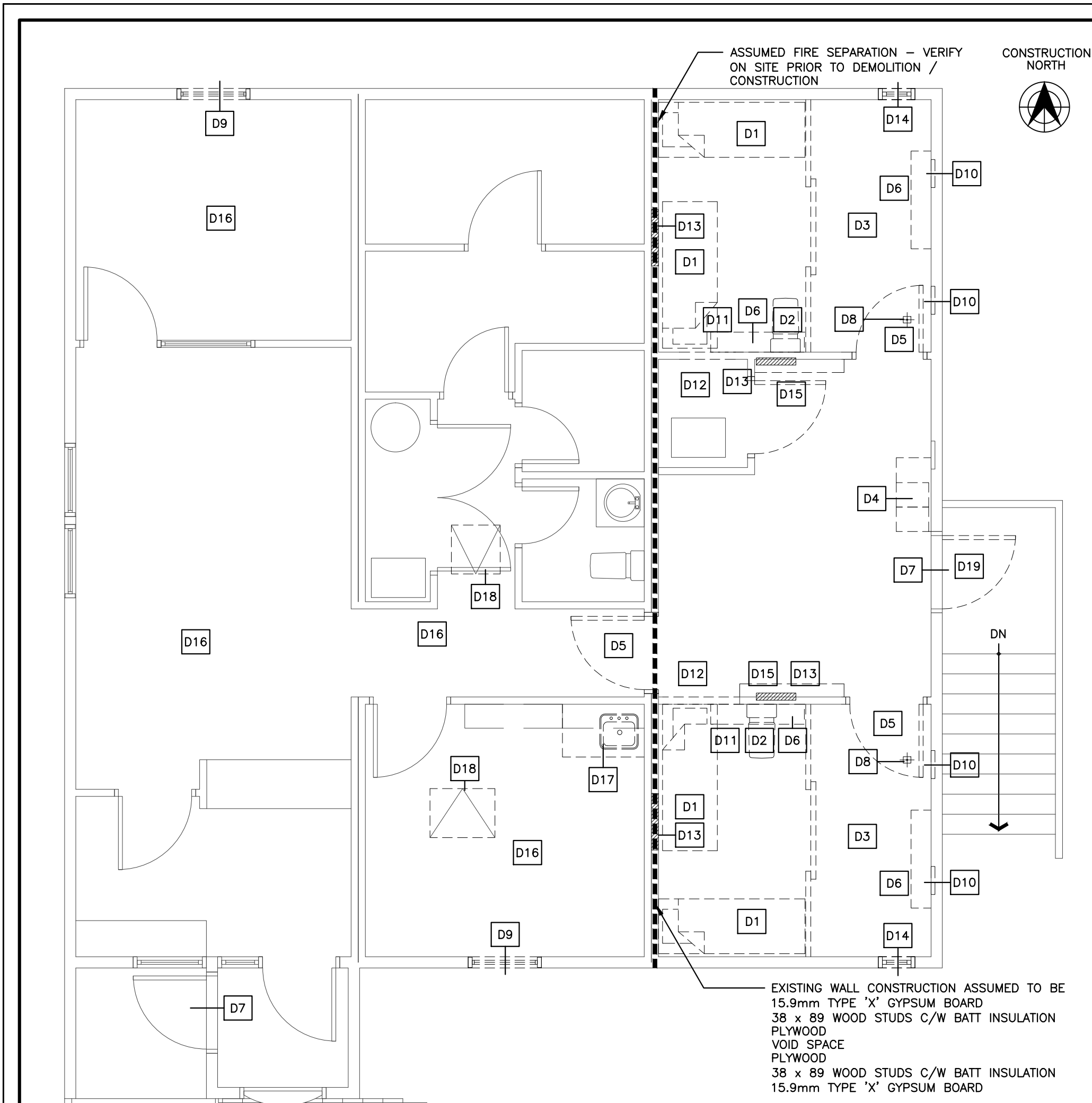
- M101 MECHANICAL EXISTING PLANS
- M102 MECHANICAL NEW PLANS
- M103 MECHANICAL SCHEMATIC
- M104 MECHANICAL SITE PLAN

ELECTRICAL

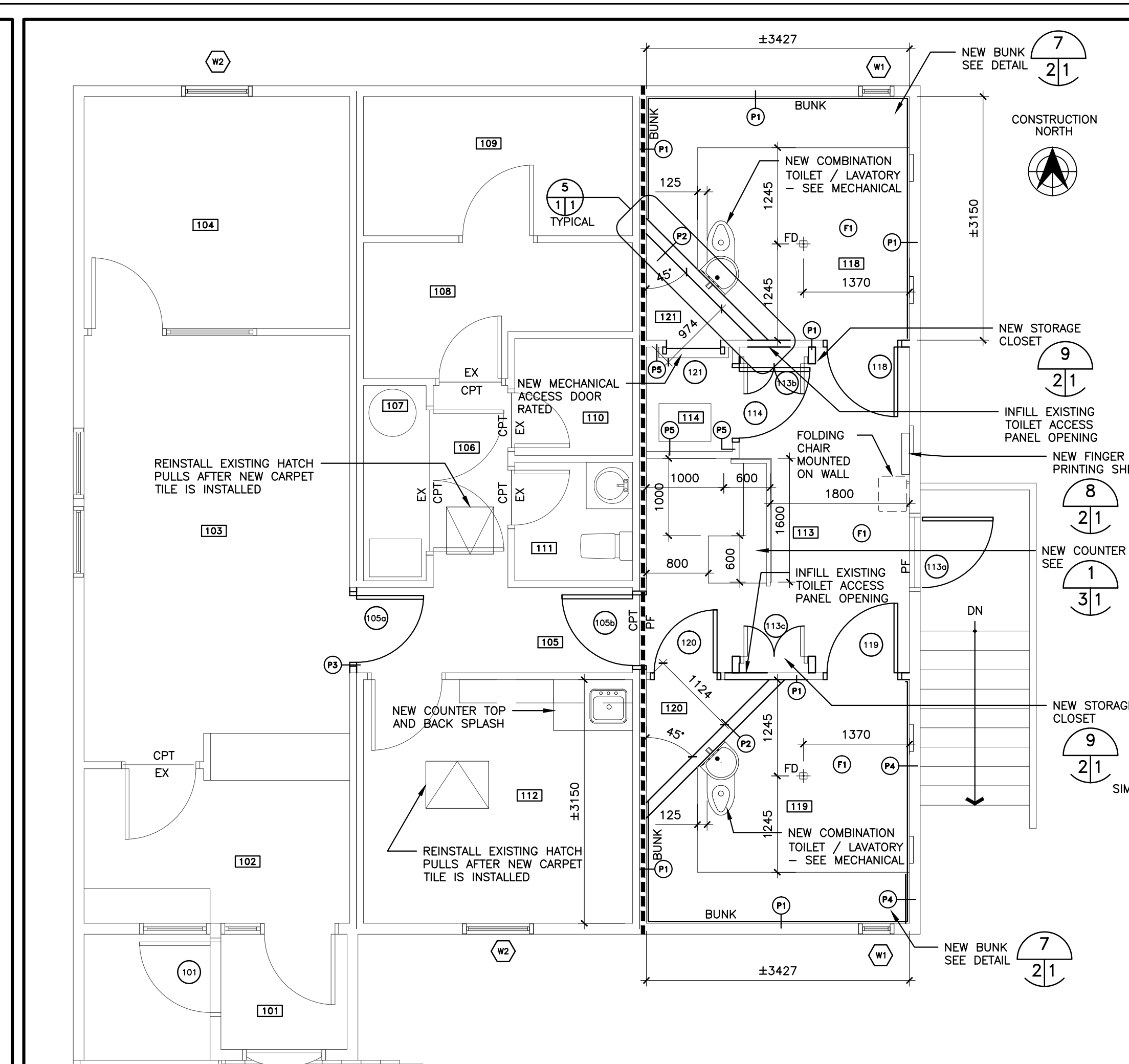
- ED-1 ELECTRICAL NEW PLAN
- ED-2 ELECTRICAL NEW PLAN

ISSUED FOR TENDER- 2013/05/08

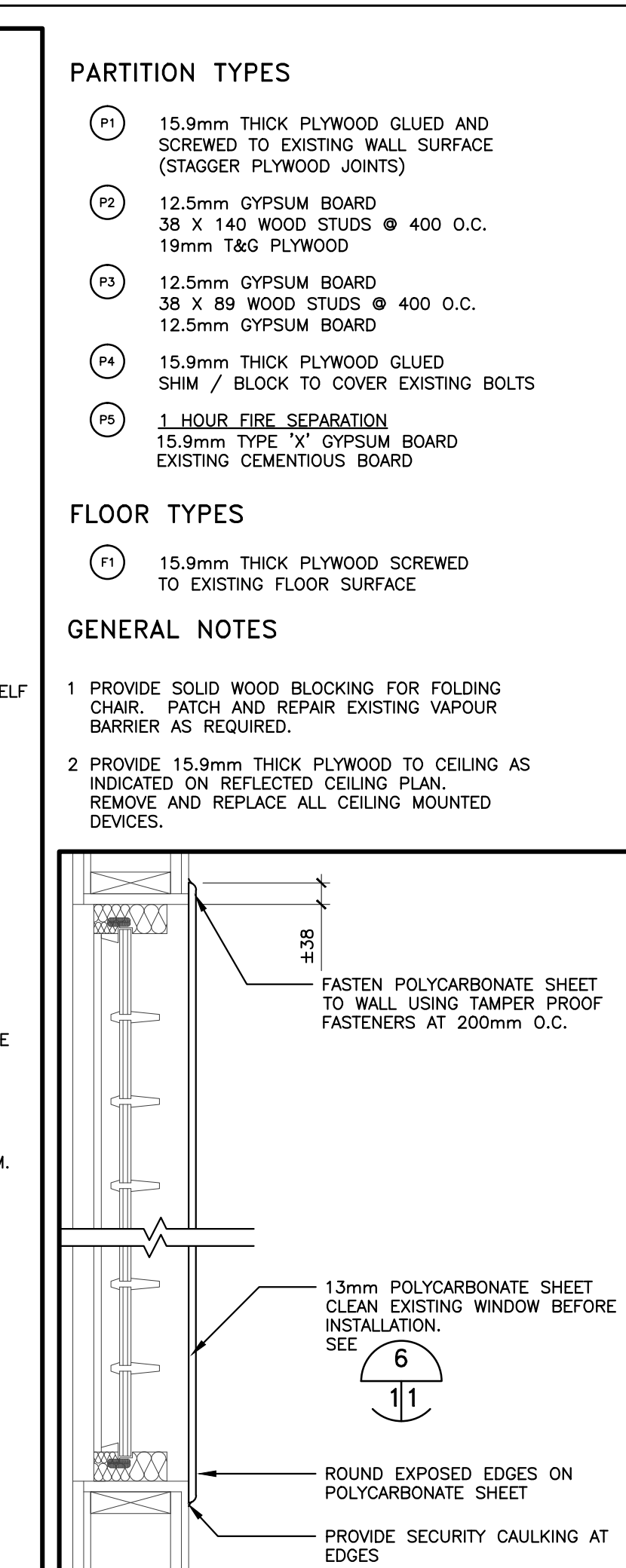




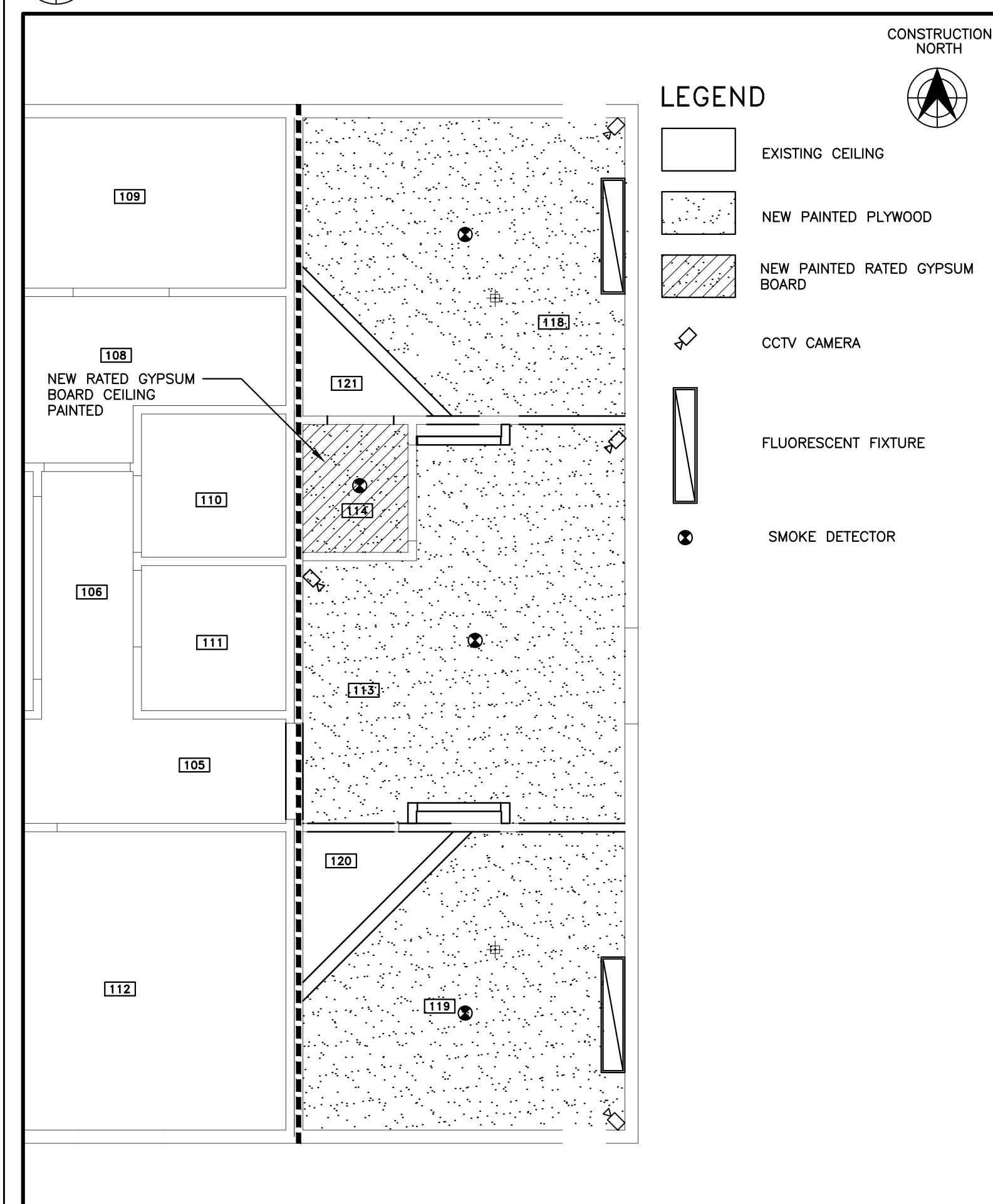
3 DEMOLITION SCALE 1 : 50



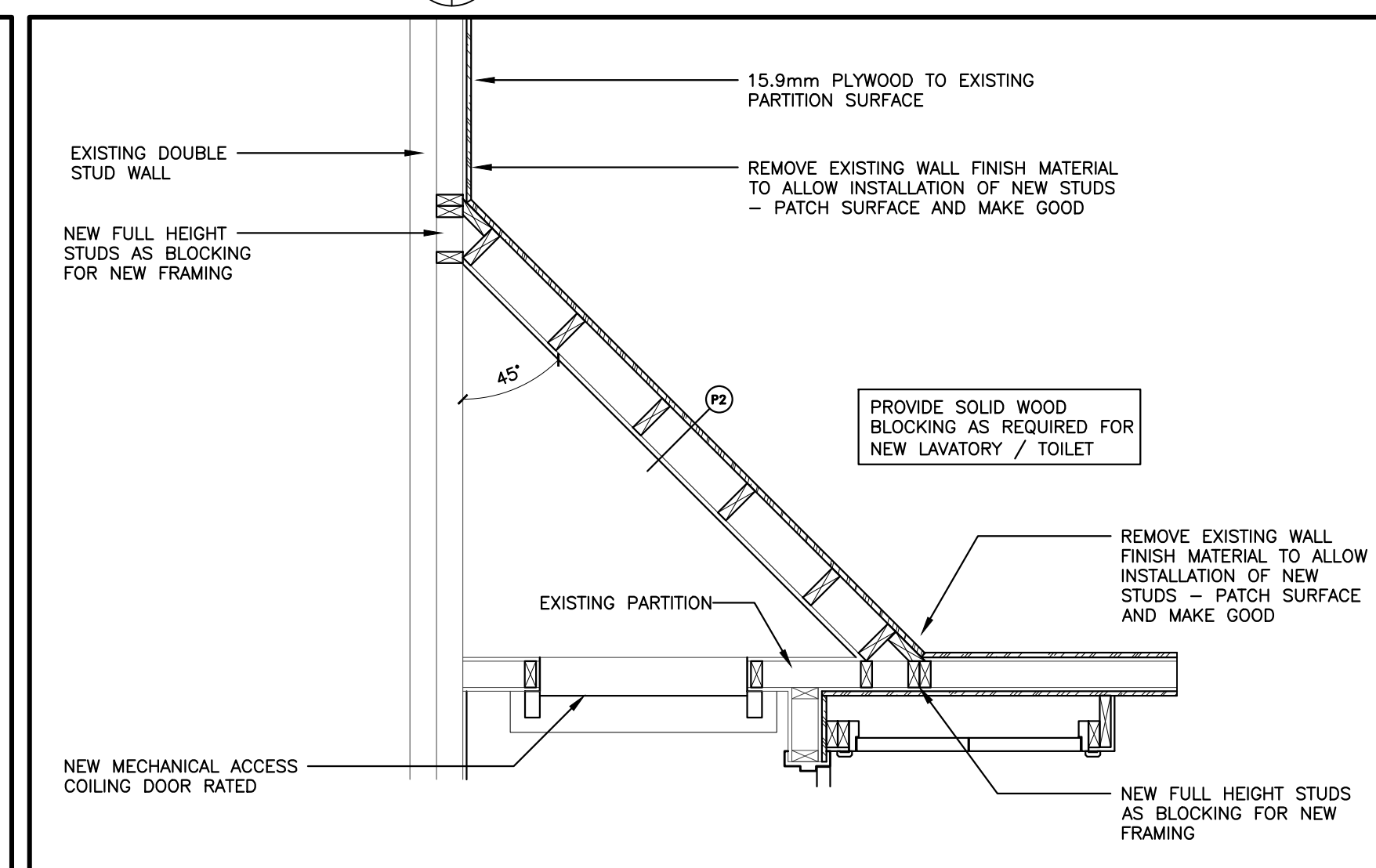
4 FLOOR PLAN SCALE 1 : 50



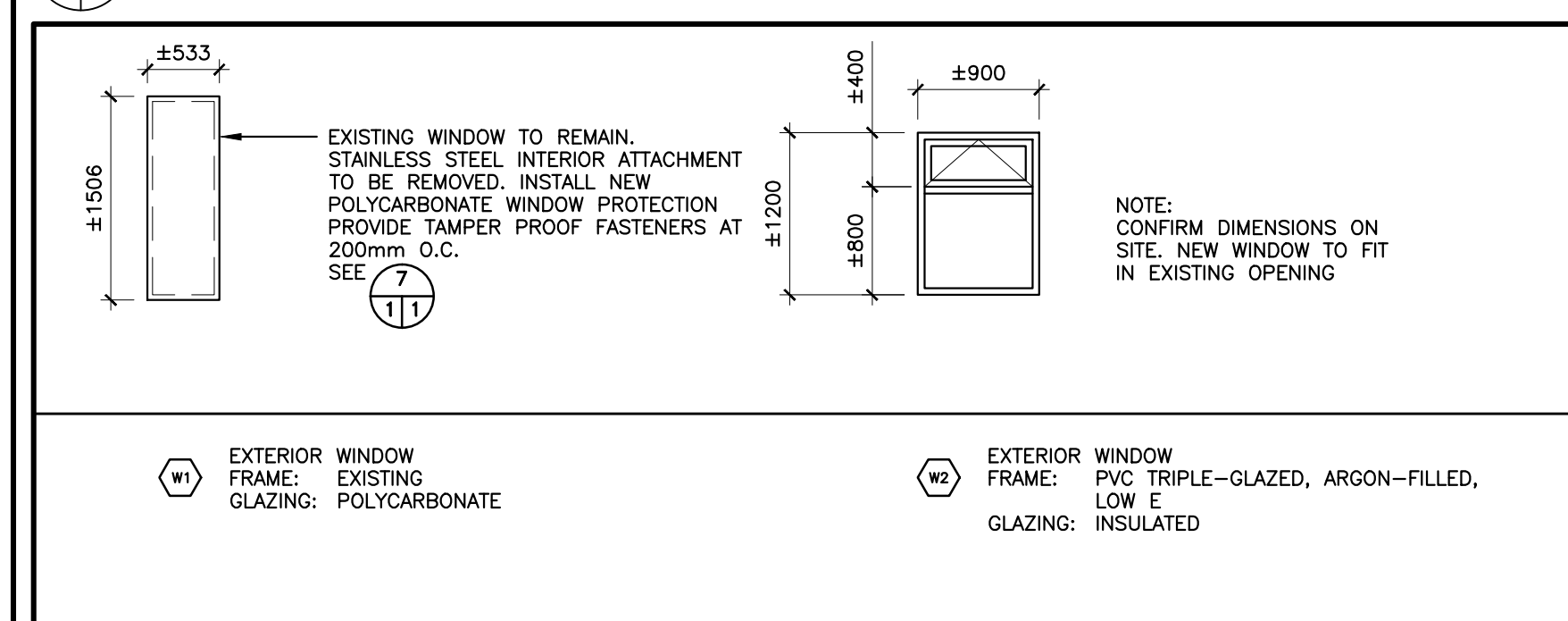
7 WINDOW PROTECTION SCALE 1 : 10



6 REFLECTED CEILING PLAN SCALE 1 : 50



5 PARTITION FRAMING SCALE 1 : 20



6 WINDOW SCHEDULE SCALE 1 : 50

- GENERAL NOTES:**
- DEMOLITION DRAWING IS FOR REFERENCE ONLY AND IS PROVIDED TO ASSIST CONTRACTOR IN ESTABLISHING SCOPE AND EXTENT OF DEMOLITION - ALL DEMOLITION NECESSARY TO PROVIDE A COMPLETE AND SAFE BUILDING, WHETHER INDICATED OR NOT, IS REQUIRED TO BE DONE BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE TO ENSURE COORDINATION OF DEMOLITION REQUIRED BY ALL TRADES.
- COORDINATE WITH MECHANICAL AND ELECTRICAL FOR EXTENT OF DEMOLITION REQUIREMENTS.
- EXERCISE CAUTION IN AREAS OF EXISTING STRUCTURAL MEMBERS
- ALL MATERIALS NOT SELECTED FOR SALVAGE ARE TO BE DISPOSED OF BY THE CONTRACTOR - OWNER HAS NOT, BUT MAY, SELECT DEMOLITION MATERIALS FOR SALVAGE - COOPERATE WITH OWNER FOR REMOVAL OR SALVAGE OF SELECTED ITEMS.
- REMOVE ALL FLOORING AS INDICATED, ASSOCIATED ACCESSORIES TO EXISTING SUBFLOOR. CLEAN SUBFLOOR OF ALL DELETERIOUS MATERIALS. PATCH AND REPAIR SUBFLOOR TO PRESENT A SOUND AND COMPLETE SURFACE FOR NEW FLOORING, UNDERLAYMENT.
- DEMOLITION KEY NOTES**
- D1 REMOVE EXISTING METAL BUNK BED. GRIND OFF EXISTING BOLTS AND FASTENERS FLUSH TO EXISTING SURFACE TO ACCEPT NEW WORK.
 - D2 REMOVE EXISTING PLUMBING FIXTURES INCLUDING ASSOCIATED MOUNTING BRACKETS - SEE MECHANICAL.
 - D3 REMOVE EXISTING SECURITY DOOR AND FRAME PATCH AND REPAIR EXISTING SURFACES TO RECEIVE NEW FINISHES. TURN LOCKSET OVER TO OWNER
 - D4 EXISTING LOCKERS AND BENCH TO BE REMOVED AND TURNED OVER TO OWNER
 - D5 REMOVE EXISTING DOOR AND FRAME - ADJUST OPENING FOR NEW DOOR AND FRAME. TURN LOCKSET OVER TO OWNER
 - D6 REMOVE EXISTING LIGHT FIXTURE - SEE ELECTRICAL
 - D7 EXISTING WEATHER STRIPPING TO BE REMOVED
 - D8 REMOVE EXISTING DRAIN AND INSTALL NEW FLOOR DRAIN - SEE MECHANICAL
 - D9 EXISTING WINDOW AND GYPSUM BOARD RETURN TO BE REMOVED
 - D10 REMOVE AND INSTALL NEW SUPPLY AIR GRILLES - SEE MECHANICAL
 - D11 REMOVE AND INSTALL NEW EXHAUST FANS - SEE MECHANICAL
 - D12 NEW OPENING FOR NEW DOOR
 - D13 PROVIDE ACCESS TO EXISTING STUD SPACE FOR INSTALLATION OF NEW STUDS - PATCH SURFACE AND MAKE GOOD
 - D14 EXISTING SECURITY BAR AND GLAZING TO BE REMOVED
 - D15 REMOVE EXISTING TOILET ACCESS PANEL
 - D16 EXISTING CARPET TO BE REMOVED
 - D17 EXISTING COUNTER TOP AND BACKSPASH TO BE REMOVED
 - D18 REMOVE EXISTING METAL HATCH EDGES. REMOVE AND REINSTALL EXISTING HATCH PULLS
 - D19 EXISTING DOOR TO BE REMOVED DOOR FRAME TO REMAIN

- PARTITION TYPES**
- P1 15.9mm THICK PLYWOOD GLUED AND SCREWED TO EXISTING WALL SURFACE (STAGGER PLYWOOD JOINTS)
 - P2 12.5mm GYPSUM BOARD 38 X 140 WOOD STUDS @ 400 O.C. 19mm T&G PLYWOOD
 - P3 12.5mm GYPSUM BOARD 38 X 89 WOOD STUDS @ 400 O.C. 12.5mm GYPSUM BOARD
 - P4 15.9mm THICK PLYWOOD GLUED SHIM / BLOCK TO COVER EXISTING BOLTS
 - P5 1 HOUR FIRE SEPARATION 15.9mm TYPE 'X' GYPSUM BOARD EXISTING CEMENTIOUS BOARD

- FLOOR TYPES**
- F1 15.9mm THICK PLYWOOD SCREWED TO EXISTING FLOOR SURFACE
- GENERAL NOTES**
- PROVIDE SOLID WOOD BLOCKING FOR FOLDING CHAIR. PATCH AND REPAIR EXISTING VAPOUR BARRIER AS REQUIRED.
 - PROVIDE 15.9mm THICK PLYWOOD TO CEILING AS INDICATED ON REFLECTED CEILING PLAN. REMOVE AND REPLACE ALL CEILING MOUNTED DEVICES.

Client

Client

LEGEND:

- 101 ROOM NUMBER
- 102 DOOR NUMBER
- 103 WINDOW PROTECTION - SEE 11
- 104 EXISTING FIRE SEPARATION
- 105 2 HOUR FIRE RESISTANCE RATING

ABBREVIATIONS:

- C CENTRE LINE
- CPT CARPET TILE
- DN DOWN
- PF POLYMER FLOORING
- EX EXISTING
- FD FLOOR DRAIN

DEMOLITION LEGEND

- PARTITION TO BE REMOVED INCLUDING ANY DOORS AND FRAMES WITHIN LENGTH OF PARTITION TO BE REMOVED
- DOOR TO BE REMOVED
- EXISTING WALL TO REMAIN
- D8 DEMOLITION KEY NOTE
- SLIDING DOOR TO BE REMOVED
- EXISTING OPENING MODIFIED TO SUIT NEW DOOR AND FRAME

ISSUED FOR TENDER	13/05/08
99% SUBMISSION	13/03/07
50% SUBMISSION	13/02/20
DESIGN DEVELOPMENT	12/02/05

REVISIONS	DESCRIPTION	DATE
A	detail number number du detail	
B	source drawing no. de dessin no.	
C	detail on drawing no. detail sur dessin no.	

project title: RENOVATIONS TO GOVERNMENT OF CANADA BUILDING ULUKHAKTOK, NWT

drawing title: NOTES, DEMOLITION PLAN, FLOOR PLAN, REFLECTED CEILING PLAN AND DETAILS

designed by: G.D. concu par

drawn by: AM dessine par

approved by: G.D. approuve par

Project Manager: D.V. Administrateur de Projets

scale: AS NOTED echelle

sheet: A1

project no: WBSE # R.023085.001

date: 2013.05.08

date: OF 04

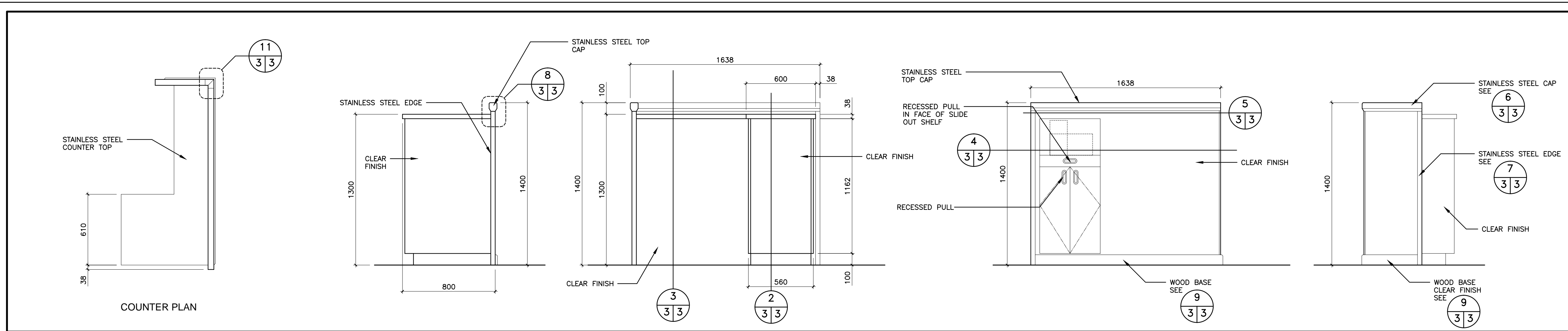
ASSOCIATION OF ARCHITECTS OF THE NORTHWEST TERRITORIES

004 DARRELL H. VIKSE ARCHITECT

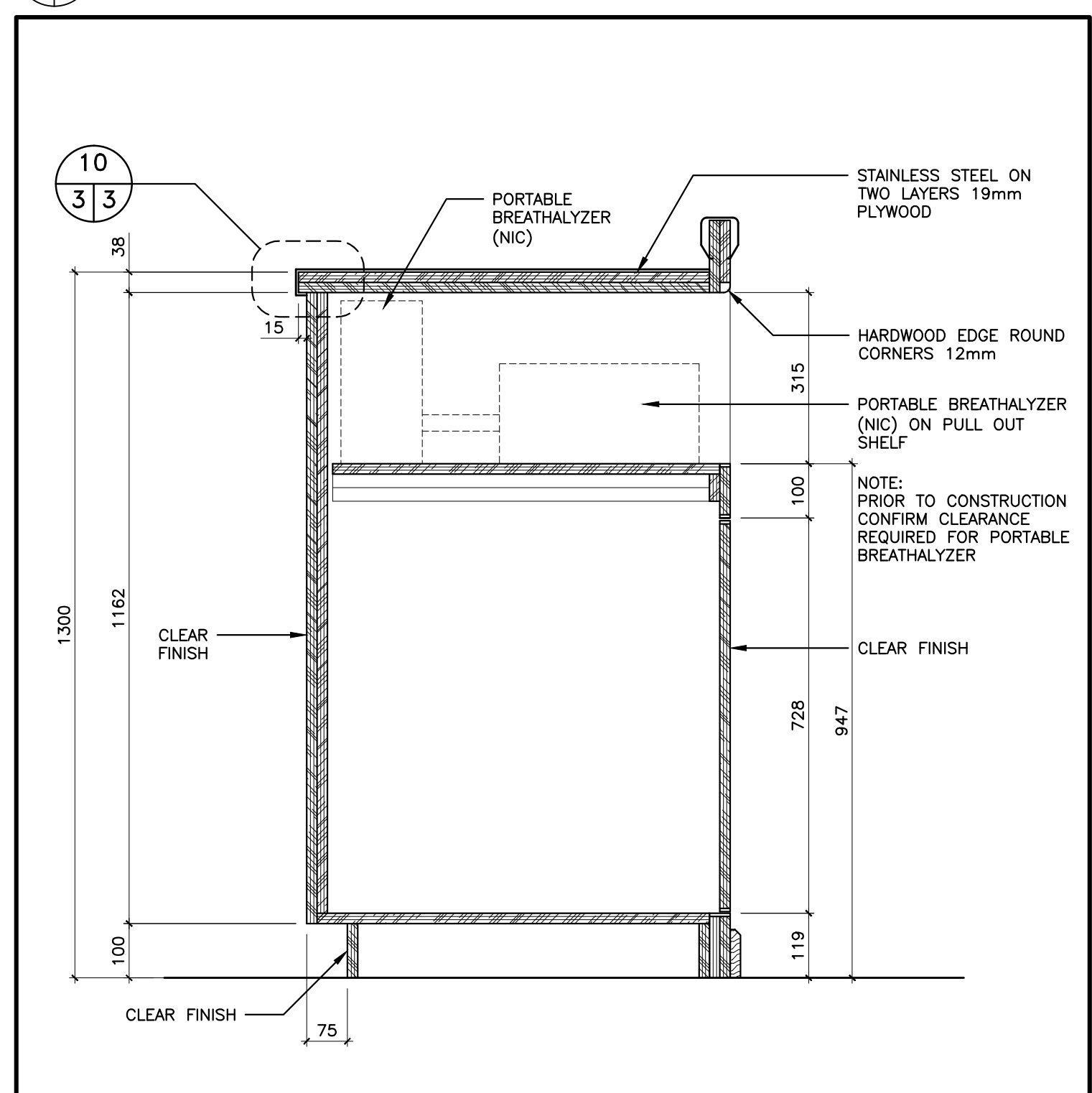
2013.05.08

ISSUED PURSUANT TO SECTION 29 OF THE ARCHITECTS ACT OF THE NORTHWEST TERRITORIES

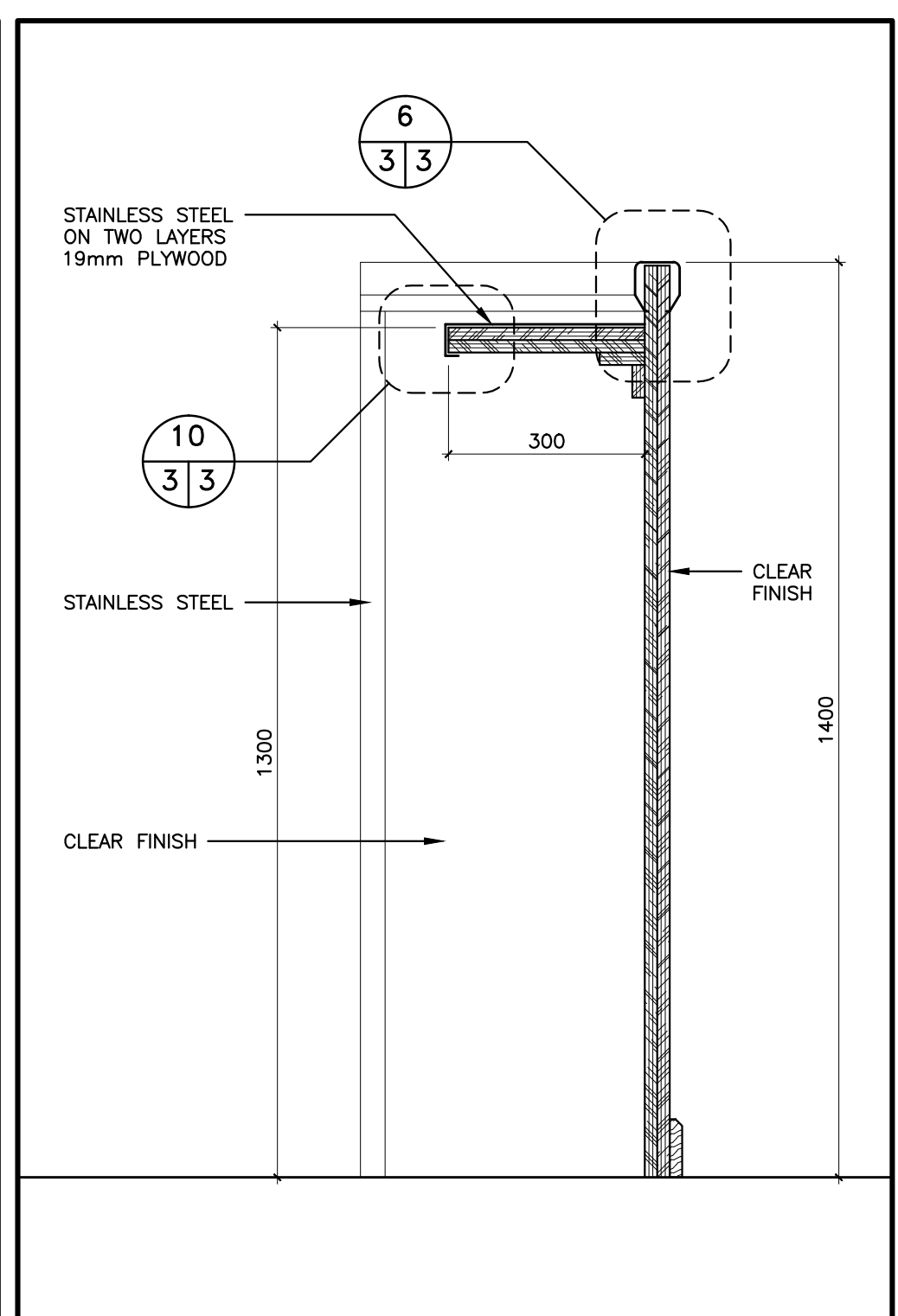
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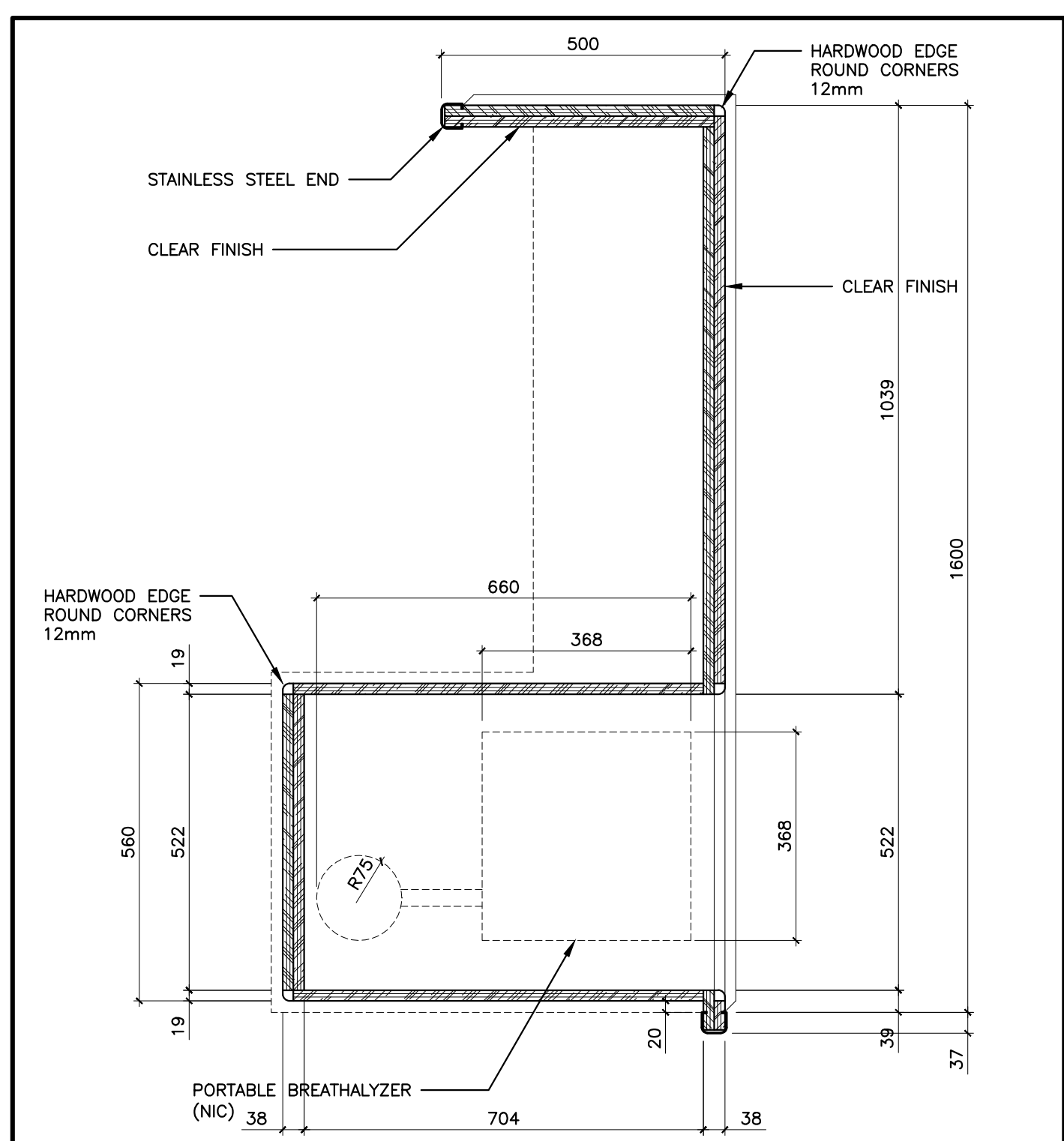
115 COUNTER PLAN AND ELEVATIONS
SCALE 1 : 20



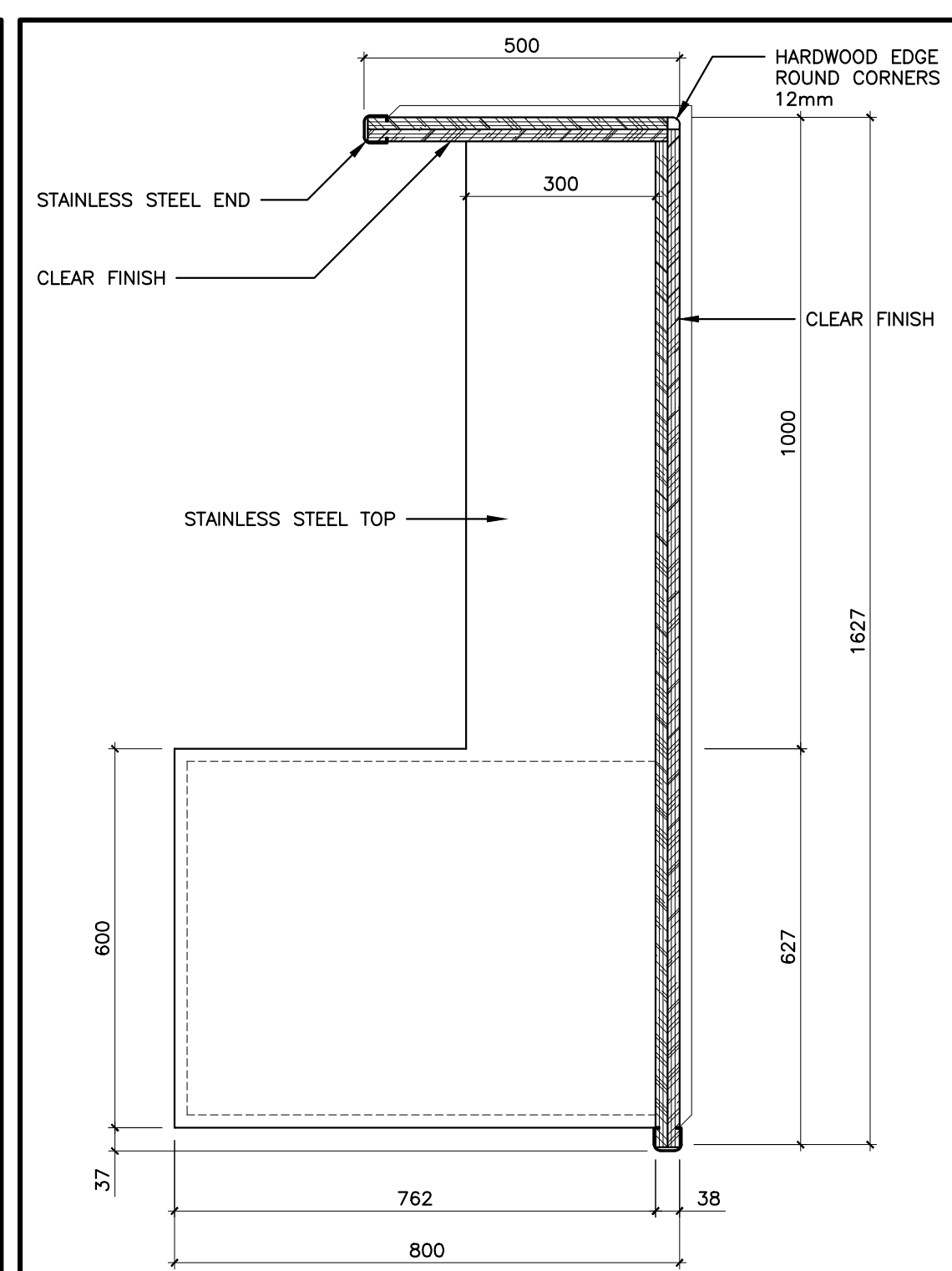
COUNTER DETAIL
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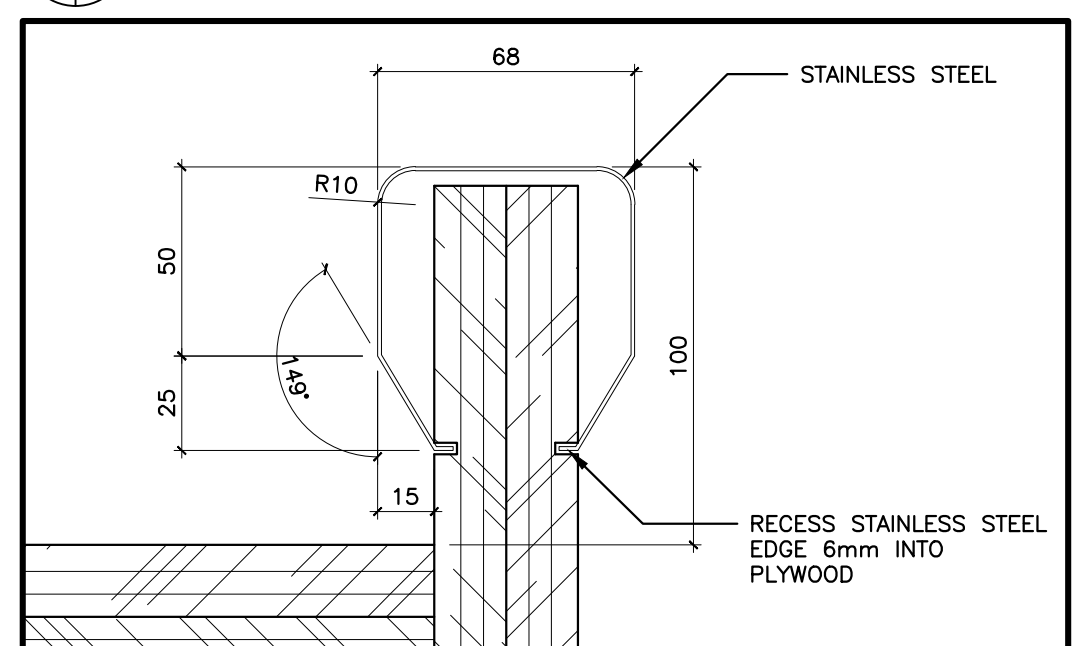
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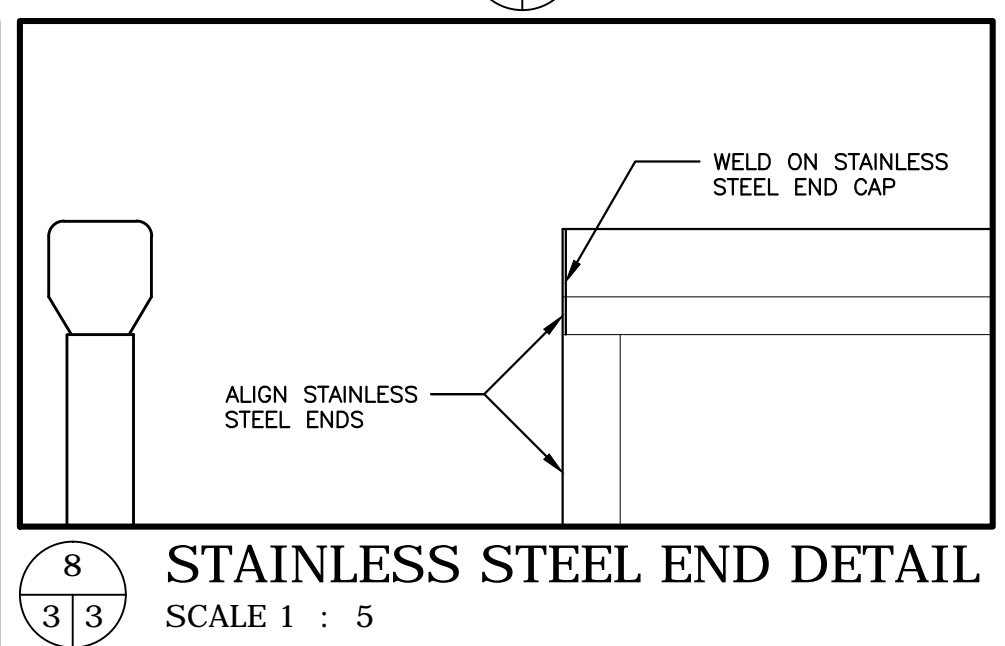
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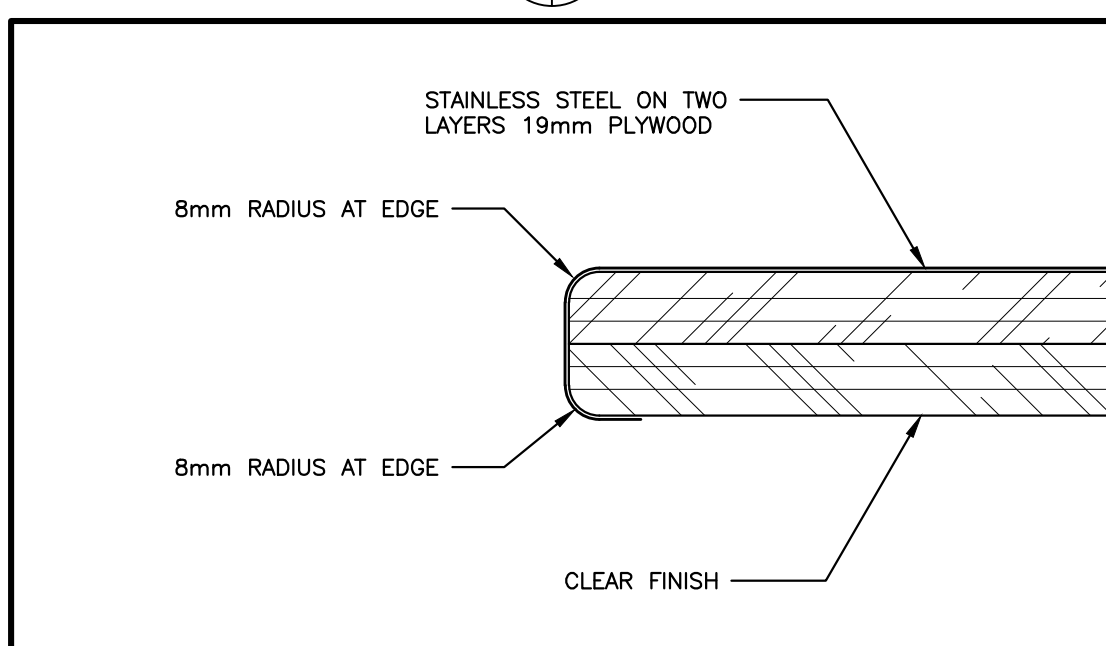
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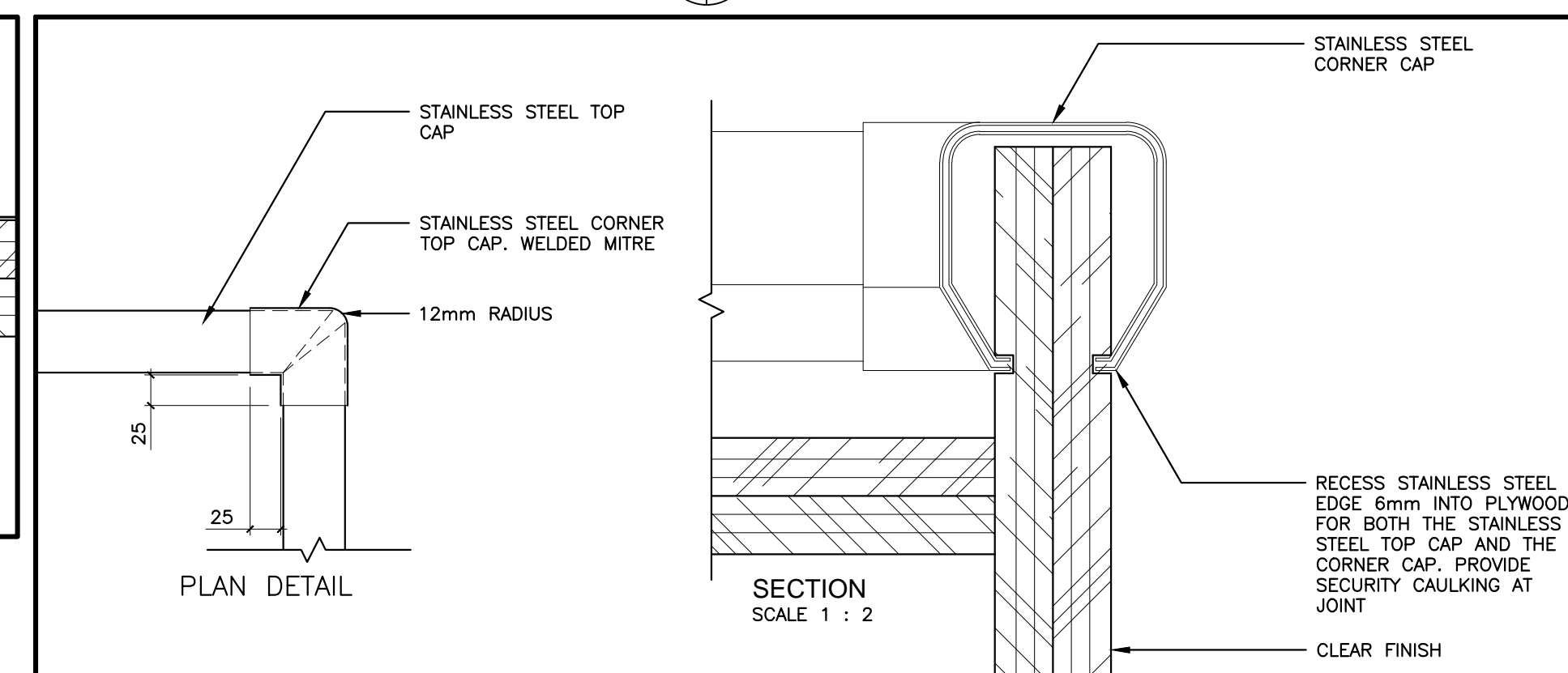
STAINLESS STEEL CAP DETAIL
SCALE 1 : 2



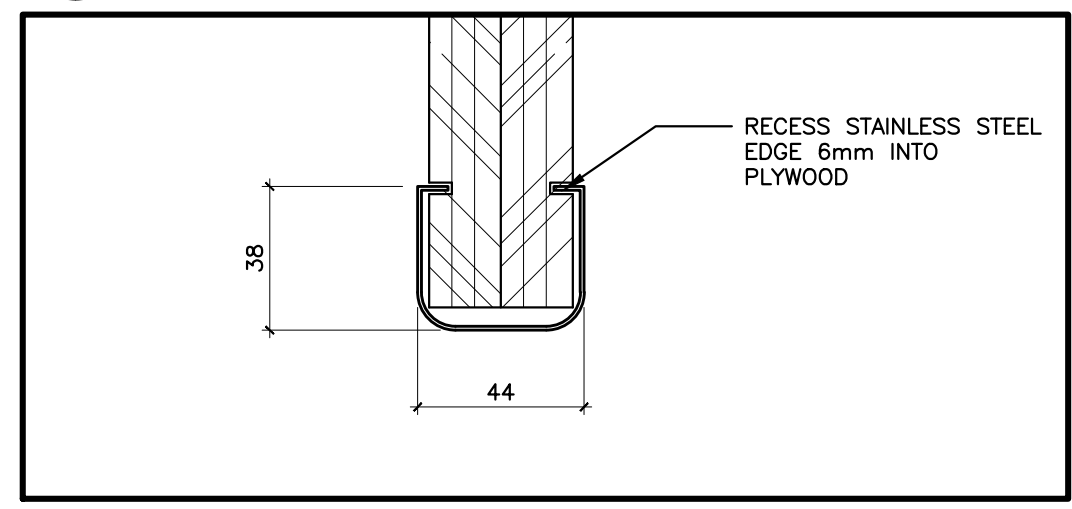
STAINLESS STEEL END DETAIL
SCALE 1 : 5



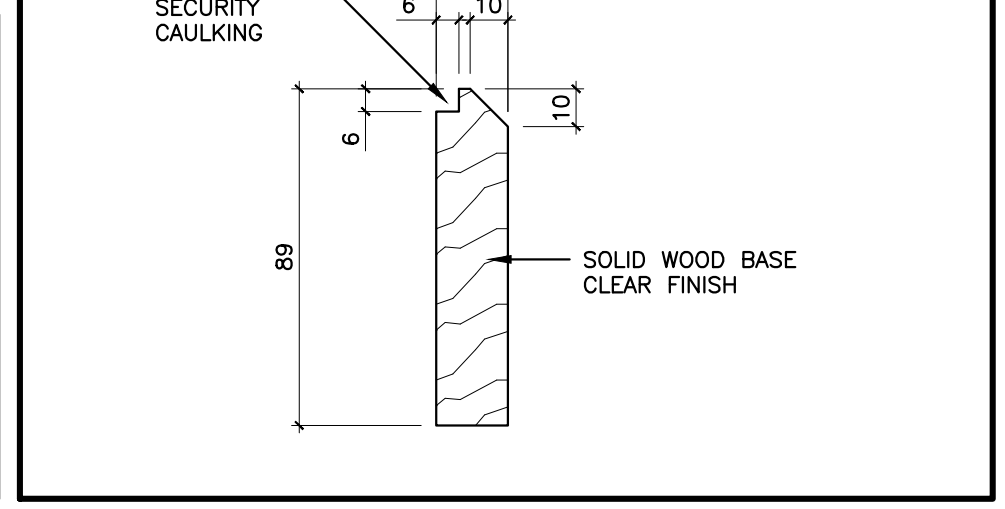
TYPICAL COUNTER EDGE DETAIL
SCALE 1 : 2



STAINLESS STEEL TOP CORNER CAP DETAIL
SCALE 1 : 5



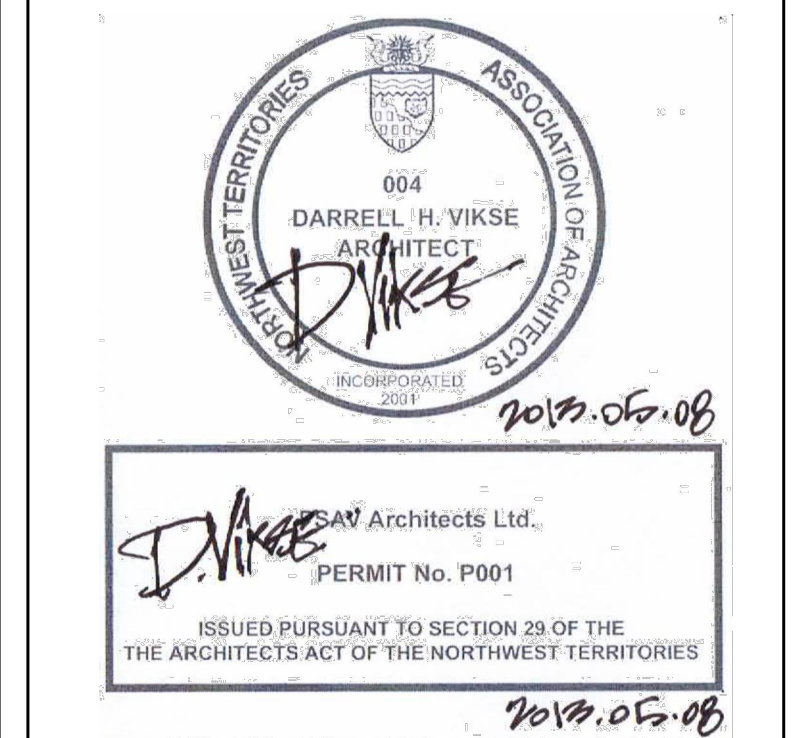
STAINLESS STEEL EDGE DETAIL
SCALE 1 : 2



WOOD BASE DETAIL
SCALE 1 : 2

Client

Client



ISSUED FOR TENDER	13/11/11
90% SUBMISSION	13/03/07
50% SUBMISSION	13/02/20
DESIGN DEVELOPMENT	12/02/05

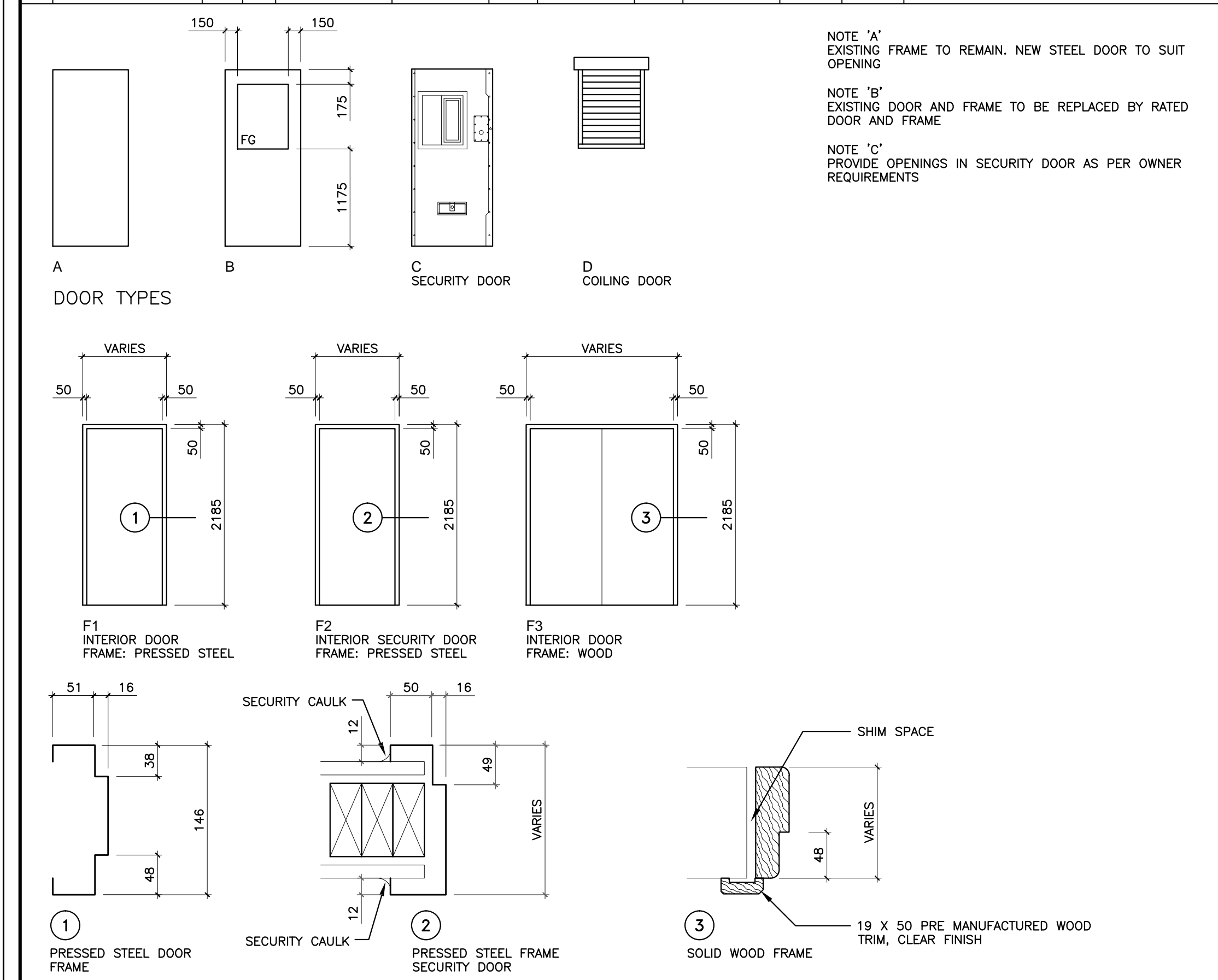
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project title: RENOVATIONS TO GOVERNMENT OF CANADA BUILDING ULUKHAKTOK, NWT

drawing title: MILLWORK DETAILS

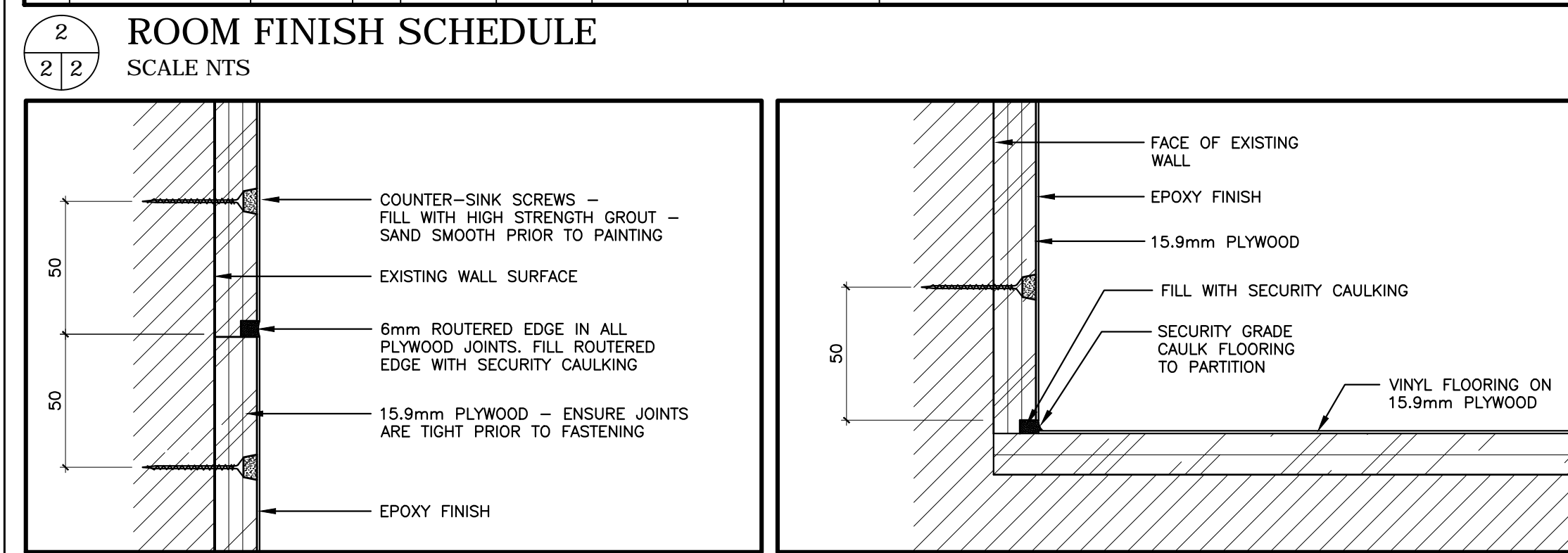
designed by	G.D.	conçu par
drawn by	AM	dessiné par
approved by	G.D.	approuvé par
Project Manager	D.V.	Administrateur de Projets
scale	AS NOTED	échelle
project no.	WBSE # R.023085.001	projet no.
date		date

RM. NO.	ROOM NAME	DR. NO.	TYPE	SIZE	CORE	DOOR	VENEER	FINISH	GLAZING	FIRE RATING	FRAMES	REMARKS	
101		101	EX		EX	EX	EX				EX	EXISTING WEATHER STRIPPING TO BE REPLACED	
105		105a	B	914x2032x51	SOLID	WOOD	CLEAR	TEMP		1 HR	F1	PROVIDE CUT OUT FOR GRILLE	
		105b	A	914x2032x51	HOLLOW	STEEL	PAINT				F1	SEE NOTE B	
113		113a	A		INSUL	STEEL	PAINT				EX	SEE NOTE A	
		113b	A	2-380x2032x51	SOLID	WOOD	PAINT				F3		
		113c	A	2-380x2032x51	SOLID	WOOD	PAINT				F3		
114		114	A	914x2032x51	HOLLOW	STEEL	PAINT			1 HR	F1	1 HR	SEE NOTE B
118		118	C	914x2032x51	HOLLOW	STEEL	PAINT				F2		NOTE: C
119		119	C	914x2032x51	HOLLOW	STEEL	PAINT				F2		NOTE: C
120		120	A	813x2032x51	HOLLOW	STEEL	PAINT				F1		
121		121	D	700 x 900						1 HR		1 HR	COILING DOOR



1 DOOR SCHEDULE SCALE 1: 25

RM. NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARK
103		CPT	R	EX	EX	
104		CPT	R	EX	EX	
105		CPT	R	GYP BD	PAINT	PATCH AND REPAIR WALL AT NEW DOOR
106		CPT	R	EX	EX	
107		EX	EX	EX	EX	
112		CPT	EX	EX	EX	
113		VINYL		PLYWOOD	PAINT	PLYWOOD EPOXY EX NEW 15.9mm PLYWOOD TO EXISTING SURFACES - EPOXY COATING
114		EXISTING		GYP BD	PAINT	EX EX 1 HOUR FIRE SEPARATION
118		VINYL		PLYWOOD	PAINT	PLYWOOD EPOXY EX NEW 15.9mm PLYWOOD TO EXISTING SURFACES - GRANITE
119		VINYL		PLYWOOD	PAINT	PLYWOOD EPOXY EX NEW 15.9mm PLYWOOD TO EXISTING SURFACES - EPOXY COATING
120		EXISTING		GYP BD	PAINT	EX EX EX
121		EXISTING		GYP BD	PAINT	EX EX EX

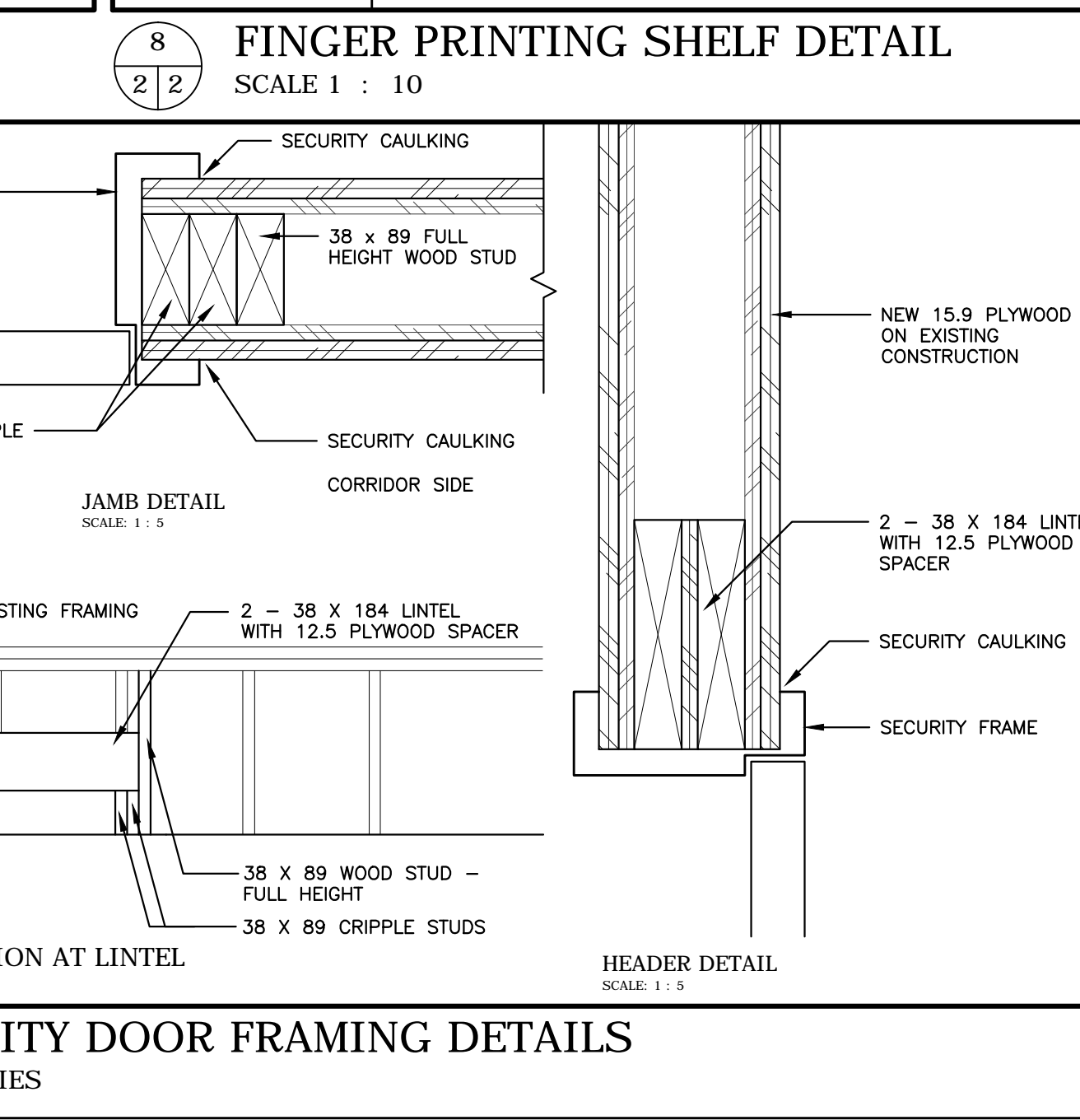
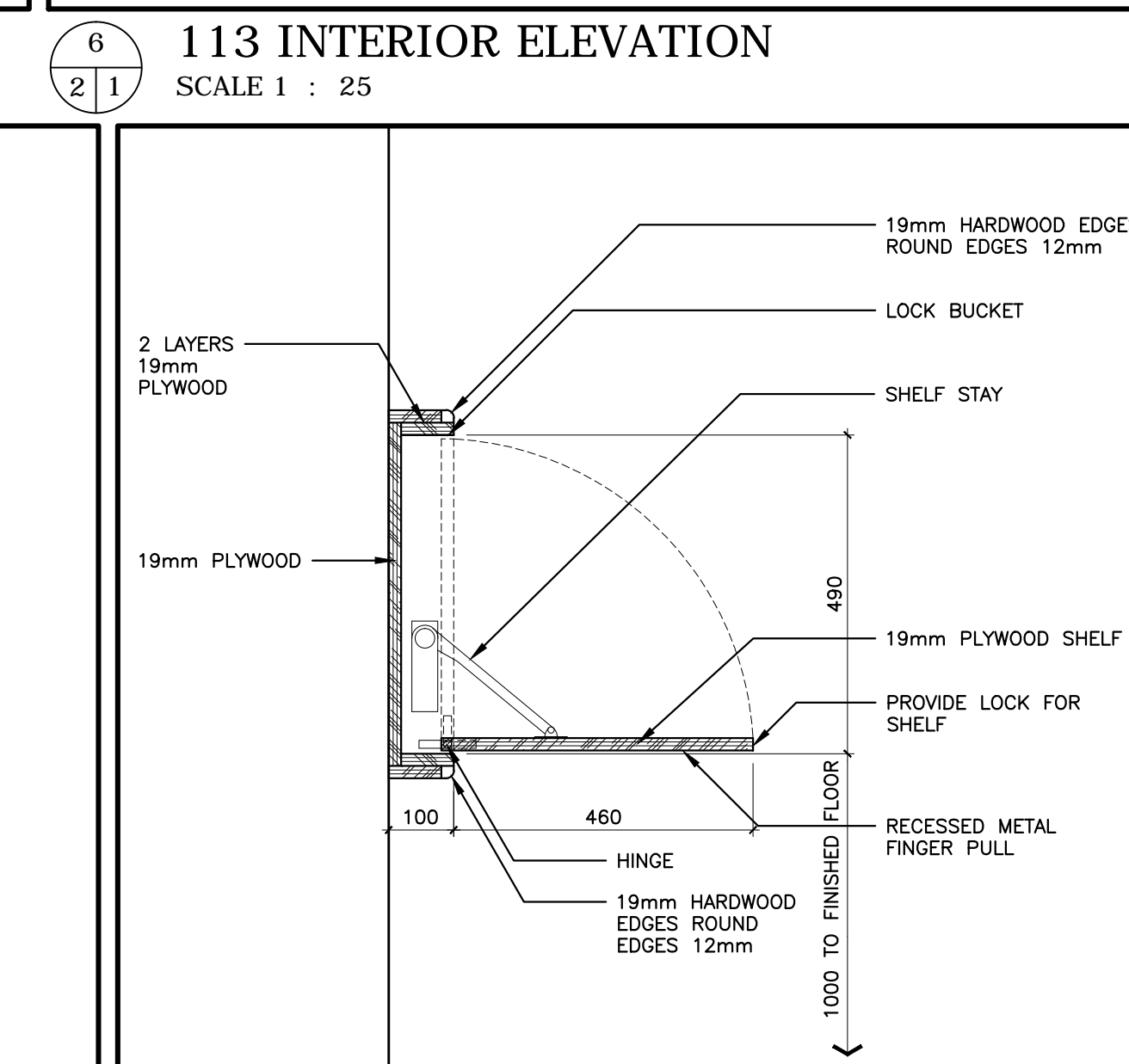
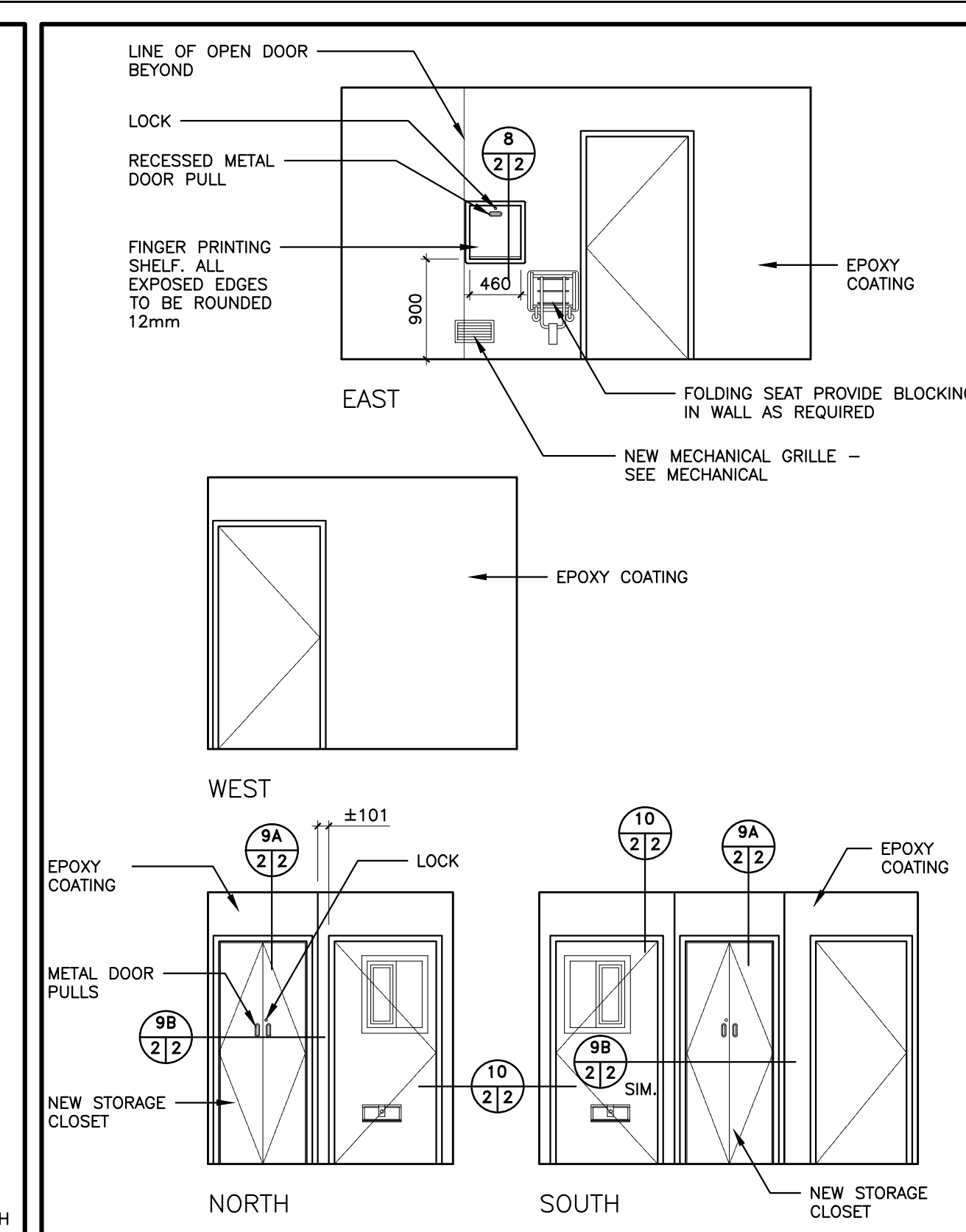
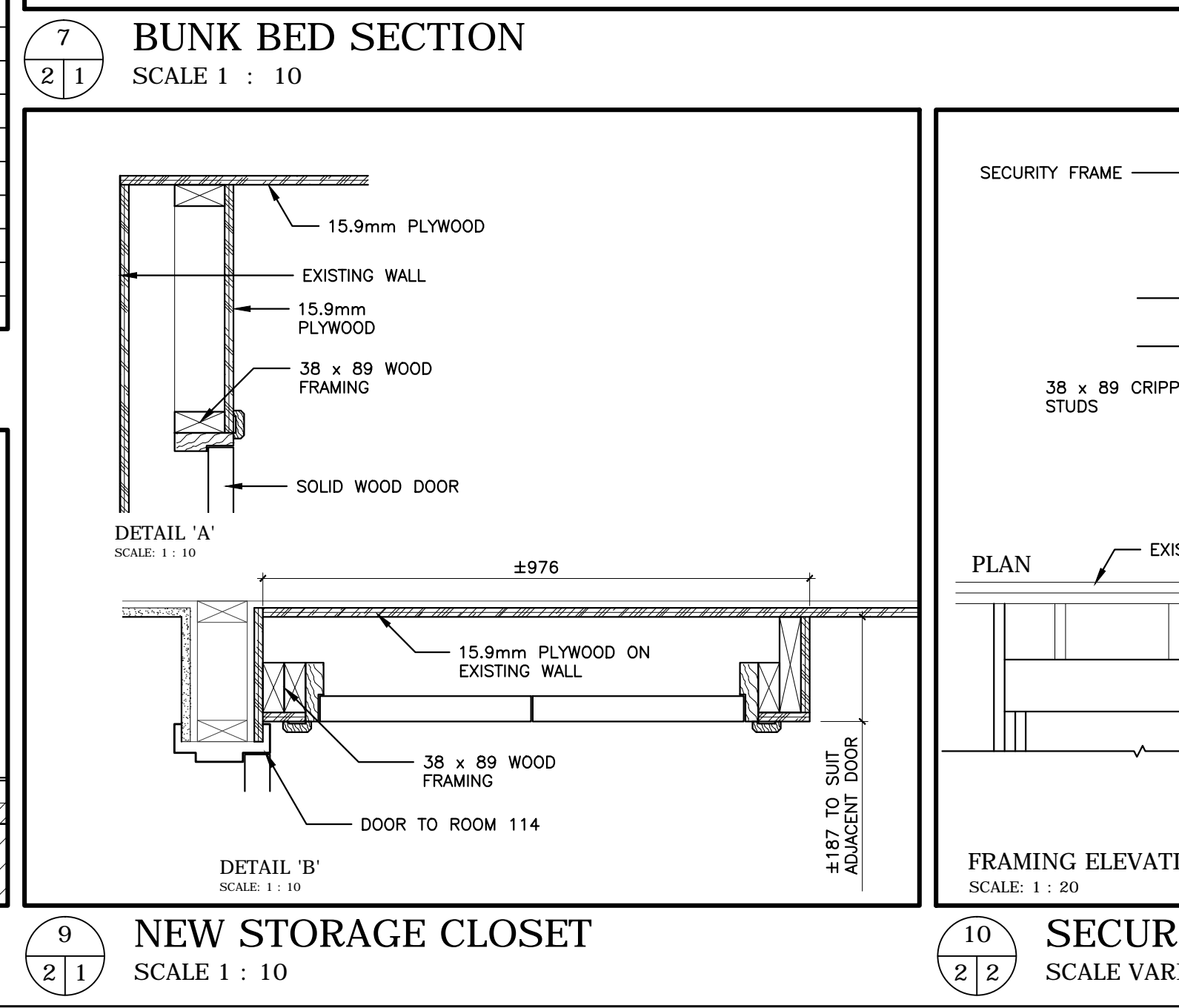
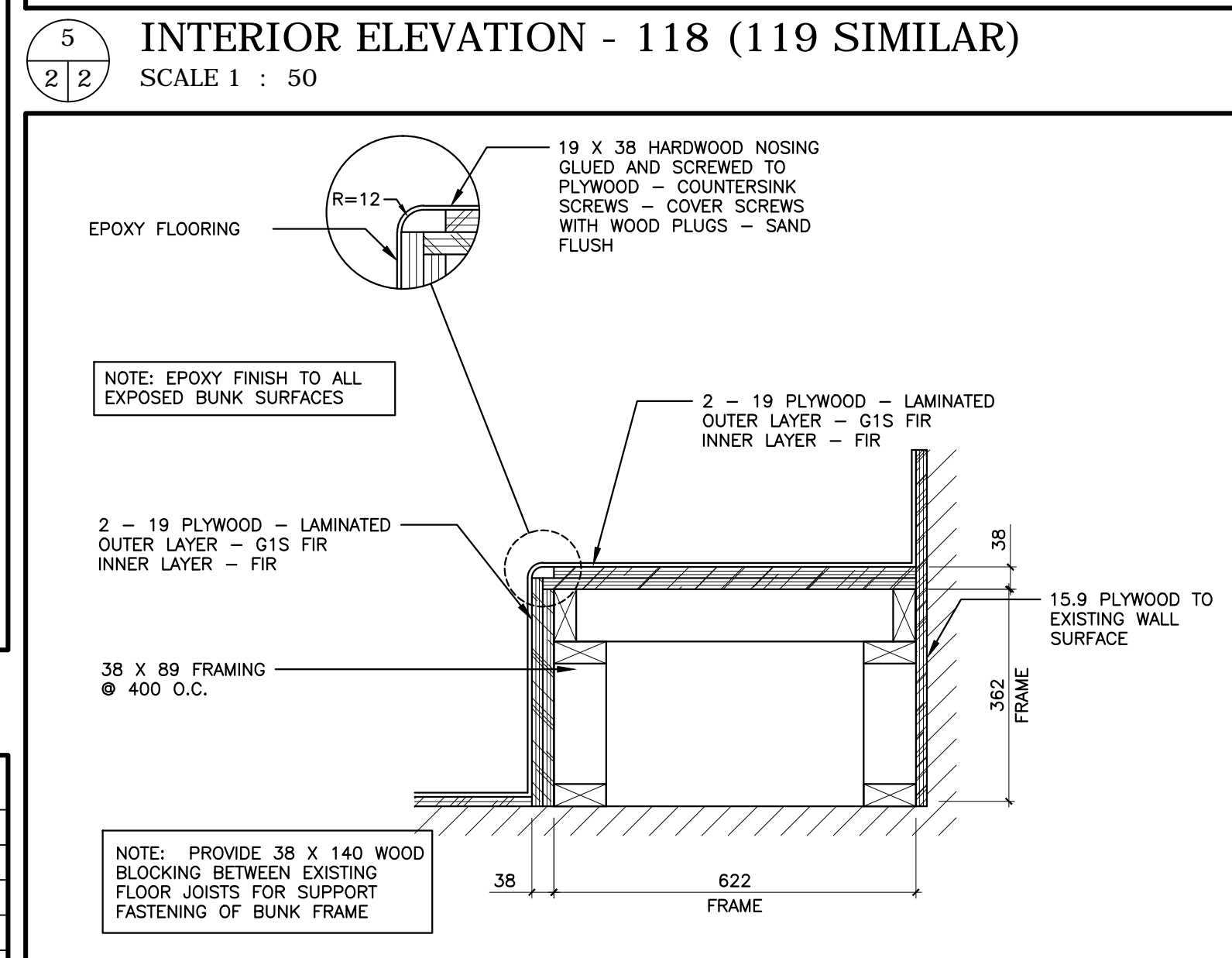
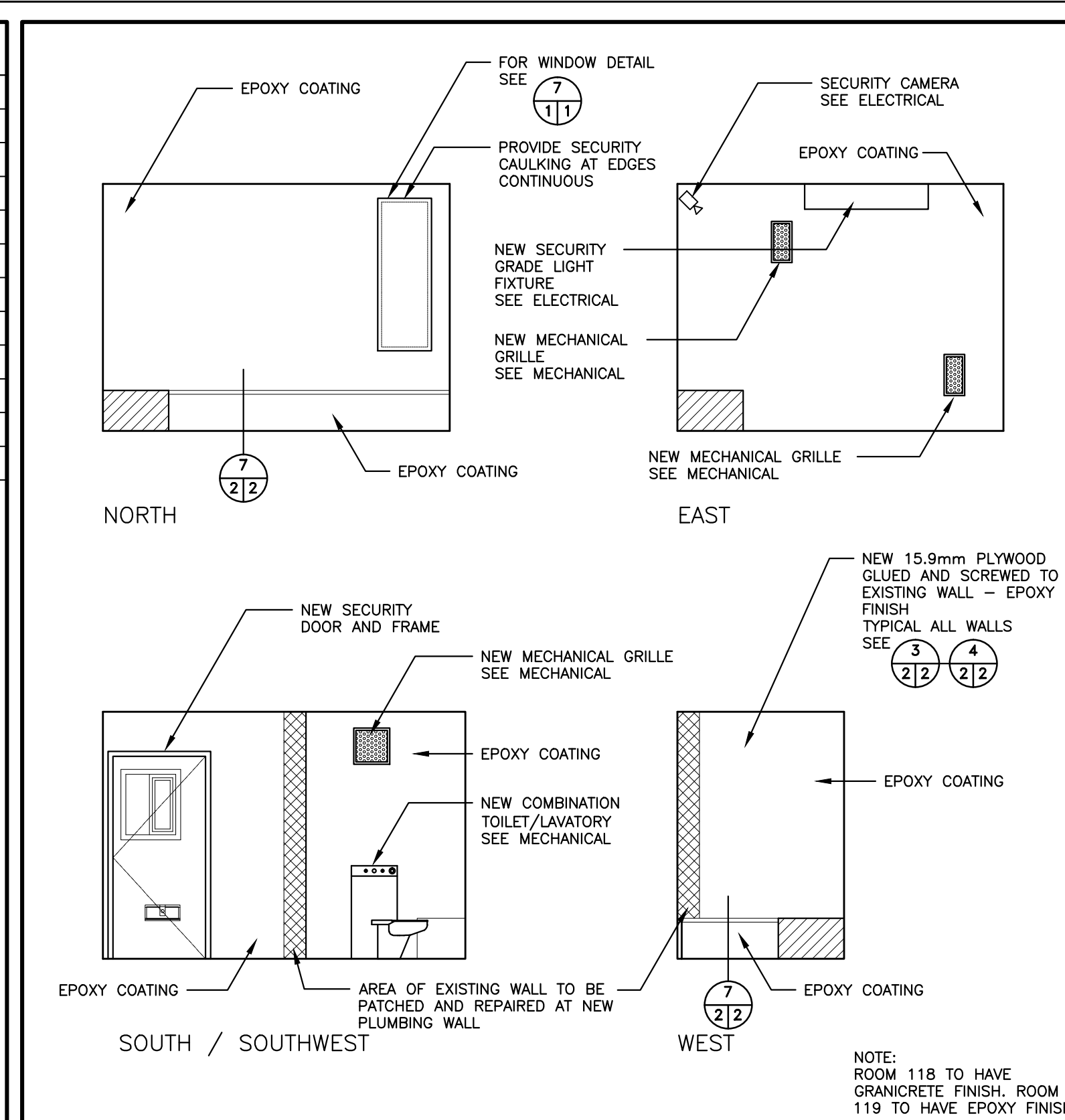


3 TYPICAL WALL JOINT SCALE 1: 2

4 TYPICAL WALL / FLOOR JOINT SCALE 1: 2

9 NEW STORAGE CLOSET SCALE 1: 10

10 SECURITY DOOR FRAMING DETAILS SCALE VARIES



Client Client

Client Client

ABBREVIATIONS:

C CENTRE LINE
CPT CARPET TILE
EX EXISTING
GYP BD GYPSUM BOARD
G1S GOOD ONE SIDE
INSUL INSULATED
TEMP TEMPERED GLASS
R RUBBER

DARRELL H. VIKSE ARCHITECT INCORPORATED 2011

2019.06.08

2019.06.08

ISSUED PURSUANT TO SECTION 29 OF THE ARCHITECTS ACT OF THE NORTHWEST TERRITORIES

ISSUED FOR TENDER	13/11/11
99% SUBMISSION	13/03/07
50% SUBMISSION	13/02/20
DESIGN DEVELOPMENT	12/02/05

REVISIONS

DESCRIPTION	DATE
A detail number number du detail	
B source drawing no. de dessin no.	
C detail on drawing no. detail sur dessin no.	

project title titre du projet

RENOVATIONS TO GOVERNMENT OF CANADA BUILDING

ULUKHAKTOK, NWT

drawing title titre du dessin

DOOR SCHEDULE, ROOM FINISH SCHEDULE, INTERIOR ELEVATIONS AND DETAILS

designed by G.D. conçu par

drawn by AM dessiné par

approved by G.D. approuvé par

Project Manager D.V. Administrateur de Projets

scale AS NOTED échelle

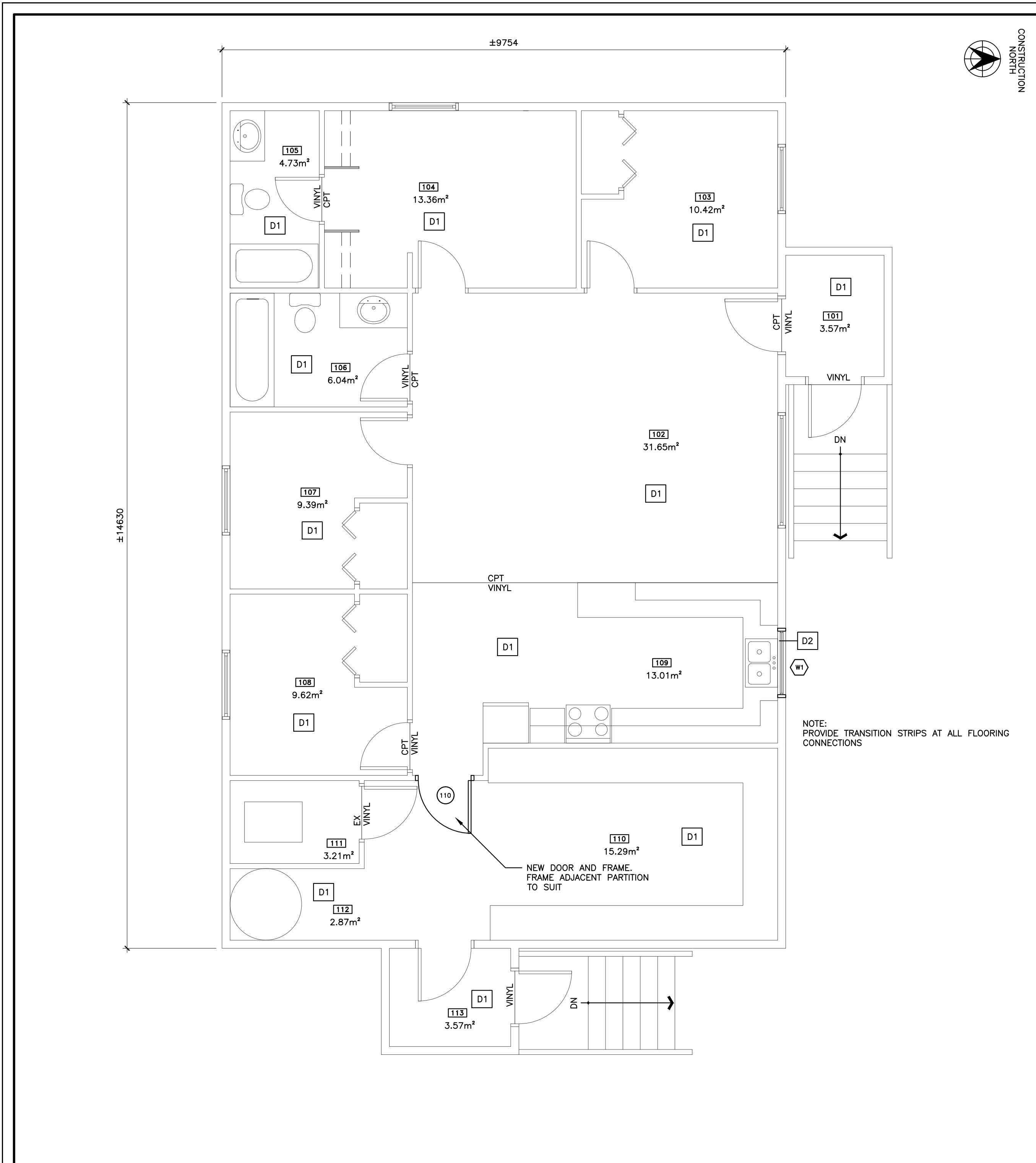
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project no. WBSE # R.023085.001

date

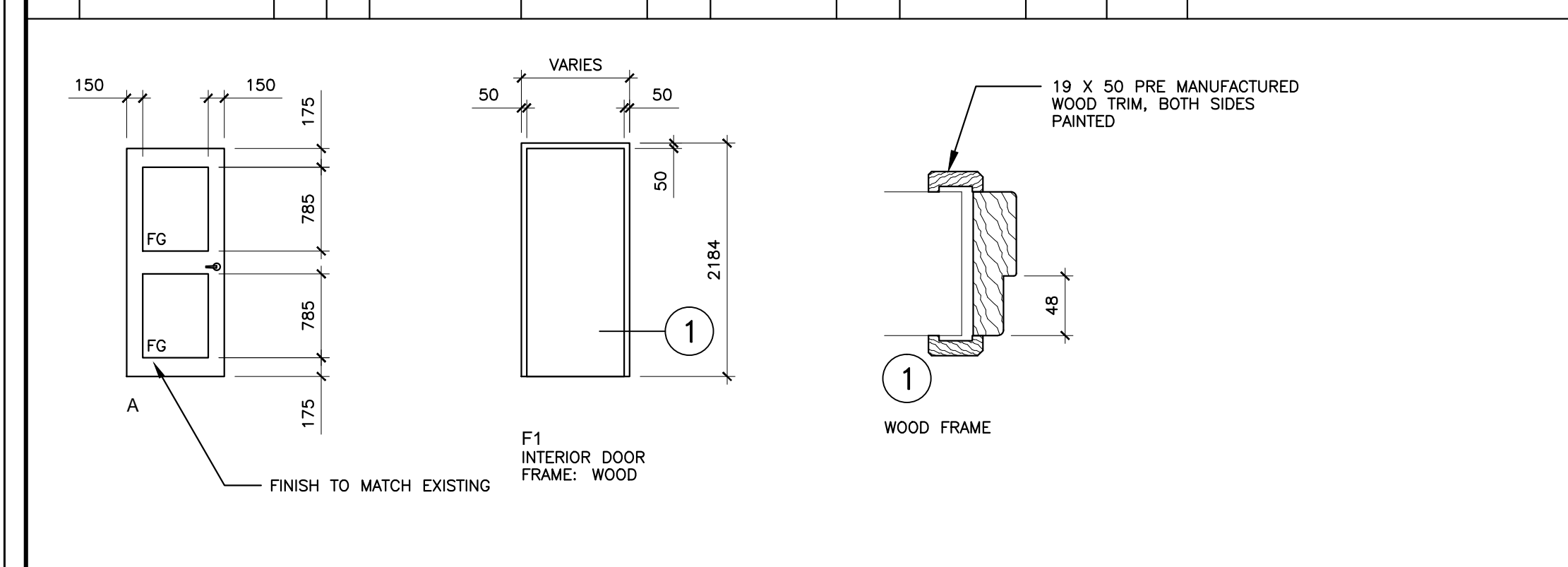
OF 04

A2



1 FLOOR PLAN
SCALE 1 : 50

RM. NO.	ROOM NAME	DR. NO.	TYPE	SIZE	DOOR			GLAZING	FIRE RATING	FRAMES		REMARKS
					CORE	VENEER	FINISH			TYPE	FIRE RATE	
110	KITCHEN	110	A	914x2134x45	SOLID	WOOD	PAINT	TEMP	-	F1	-	FINISH TO MATCH EXISTING DOORS



2 DOOR SCHEDULE
SCALE 1 : 50

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 REMOVE ALL FLOORING AS INDICATED, ASSOCIATED ACCESSORIES TO EXISTING SUBFLOOR. CLEAN SUBFLOOR OF ALL DELETERIOUS MATERIALS. PATCH AND REPAIR SUBFLOOR TO PRESENT A SOUND AND COMPLETE SURFACE FOR NEW FLOORING. UNDERLAYMENT.

DEMOLITION LEGEND

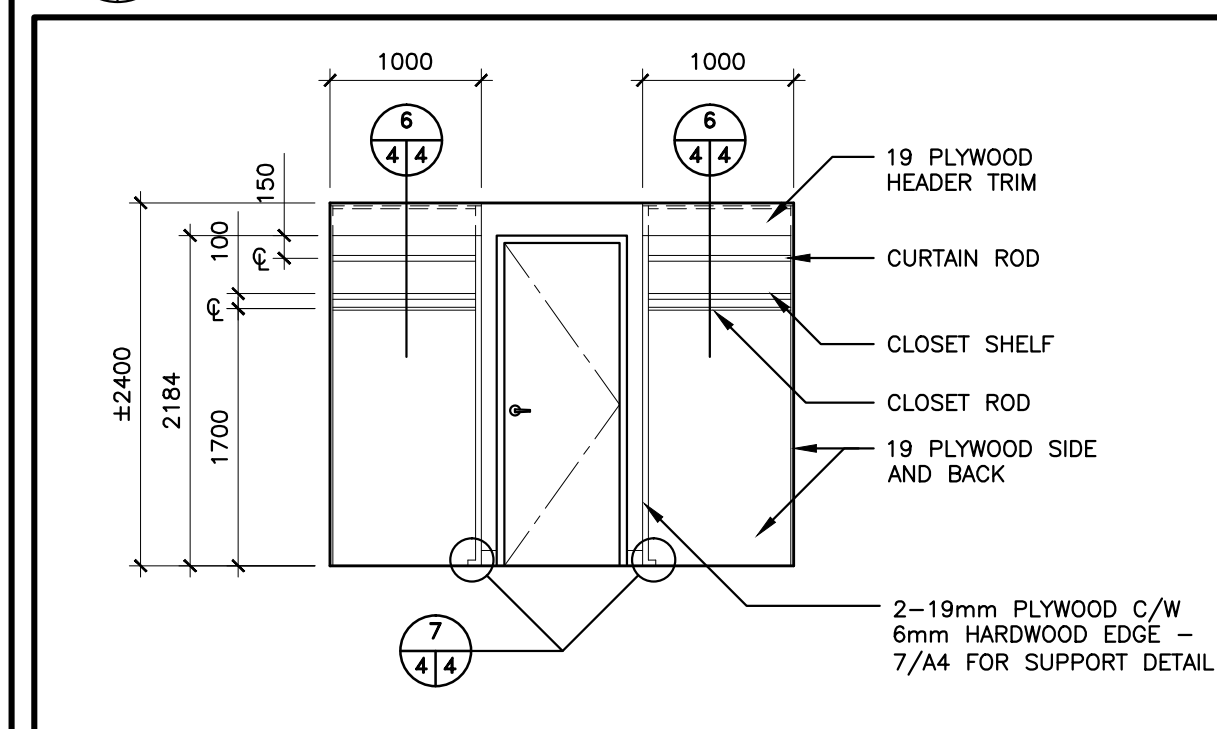
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- D8 - DEMOLITION KEY NOTE

DEMOLITION KEY NOTES

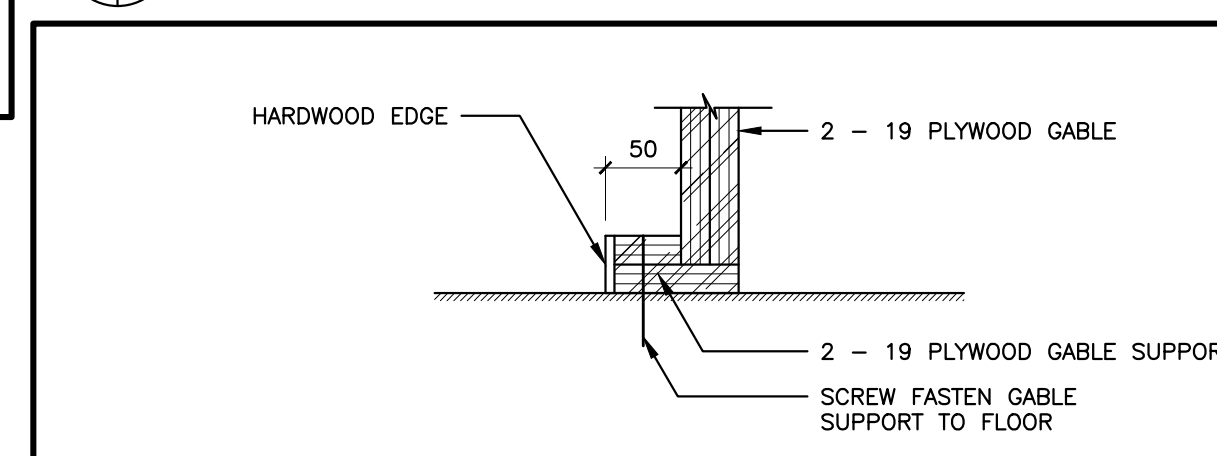
- D1 - EXISTING FLOORING AND BASE TO BE REMOVED
- D2 - EXISTING WINDOW TO BE REMOVED MAKE OPENING READY FOR NEW WINDOW

RM. NO.	ROOM NAME	FLOOR	BASE	WALLS		CEILING		REMARKS
				MATERIAL	FINISH	MATERIAL	FINISH	
101		VINYL	WD	EX	PAINT	EX	PAINT	EX
102		CPT/VINYL	WD	EX	PAINT	EX	PAINT	EX
103		CARPET	WD	EX	PAINT	EX	PAINT	EX
104		CARPET	WD	EX	PAINT	EX	PAINT	EX
105		VINYL	WD	EX	PAINT	EX	PAINT	EX
106		VINYL	WD	EX	PAINT	EX	PAINT	EX
107		CARPET	WD	EX	PAINT	EX	PAINT	EX
108		CARPET	WD	EX	PAINT	EX	PAINT	EX
109		VINYL	WD	EX	PAINT	EX	PAINT	EX
110		VINYL	WD	EX	PAINT	EX	PAINT	EX
111		EX	EX	EX	EX	EX	EX	EX
112		VINYL	WD	EX	PAINT	EX	PAINT	EX
113		VINYL	WD	EX	PAINT	EX	PAINT	EX

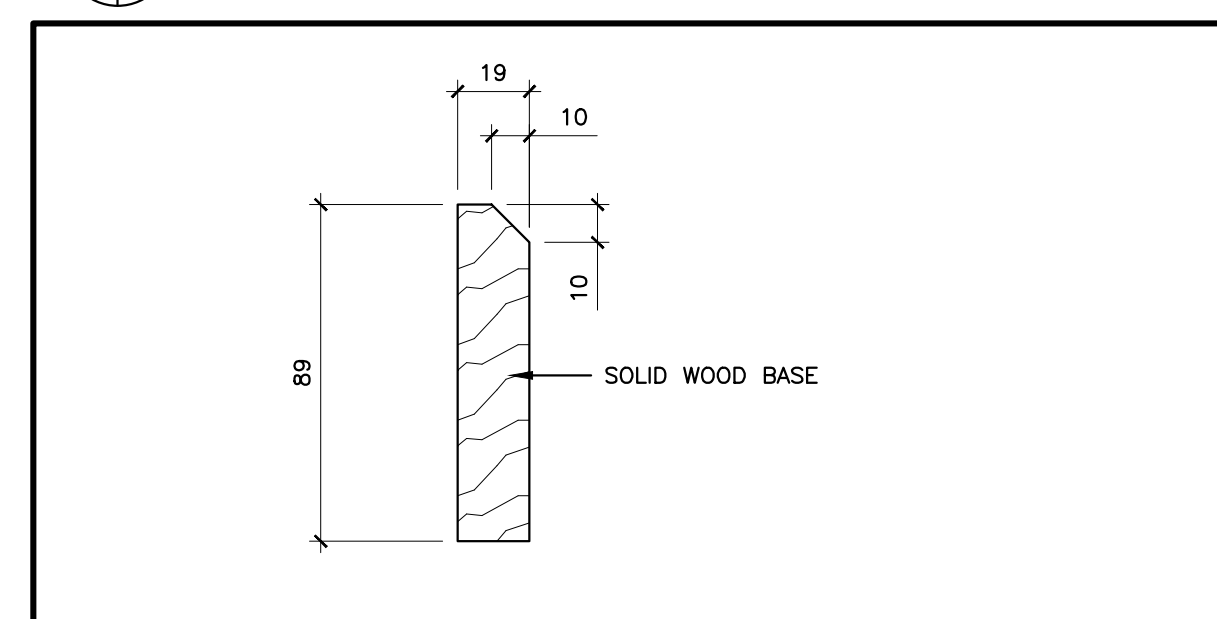
4 ROOM FINISH SCHEDULE
SCALE N/A



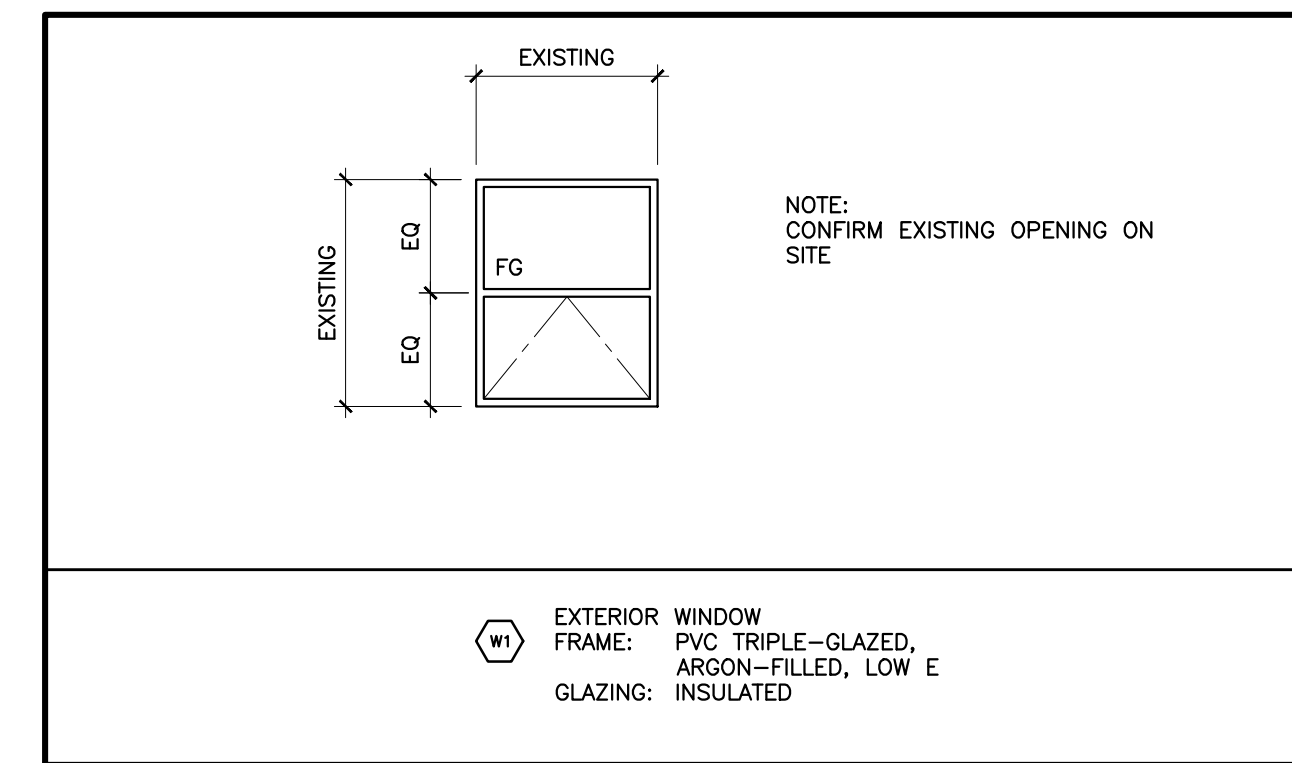
5 104 INTERIOR ELEVATION
SCALE 1 : 50



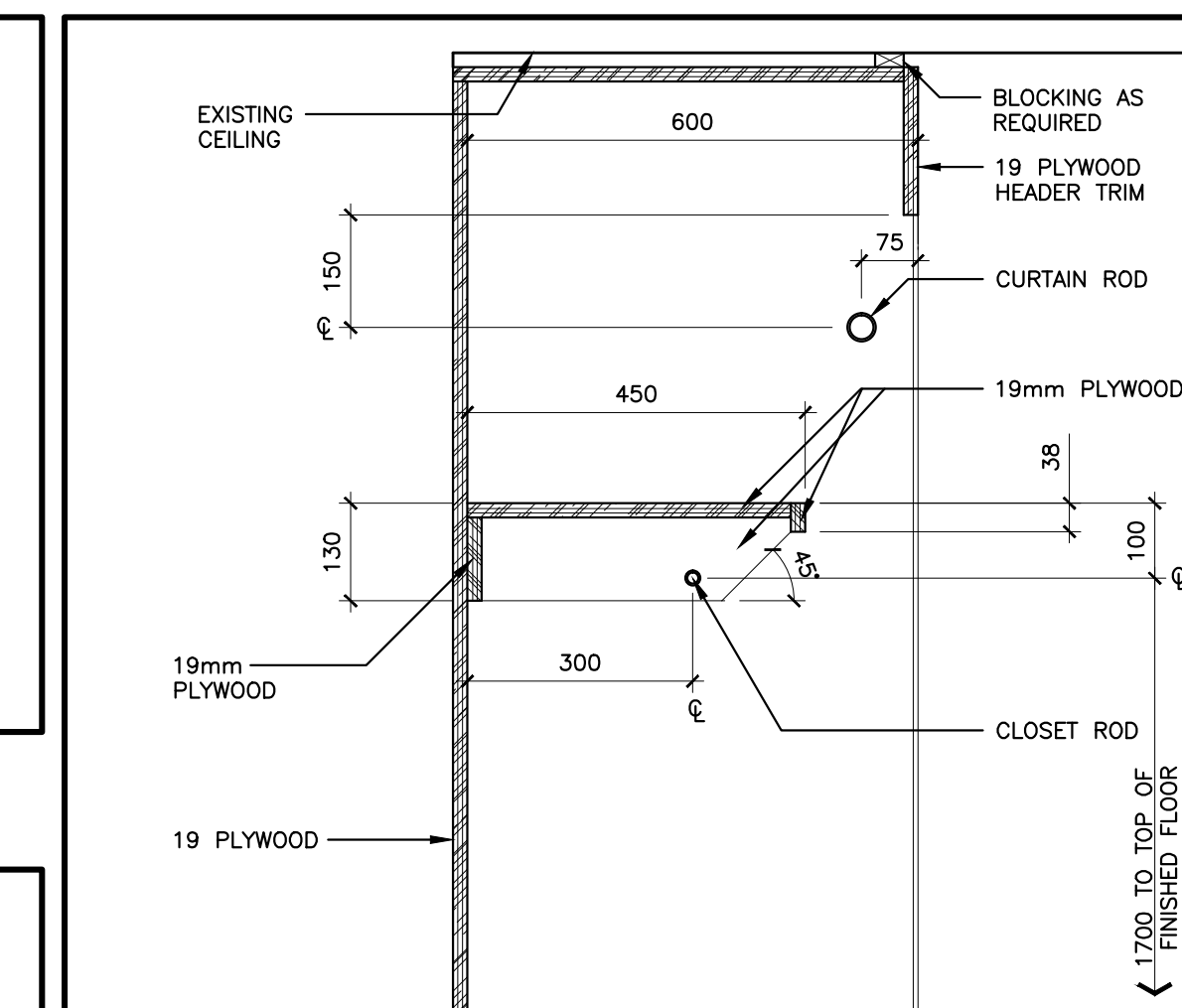
7 GABLE SUPPORT
SCALE 1 : 5



8 WOOD BASE DETAIL
SCALE 1 : 2



3 WINDOW SCHEDULE
SCALE 1 : 50



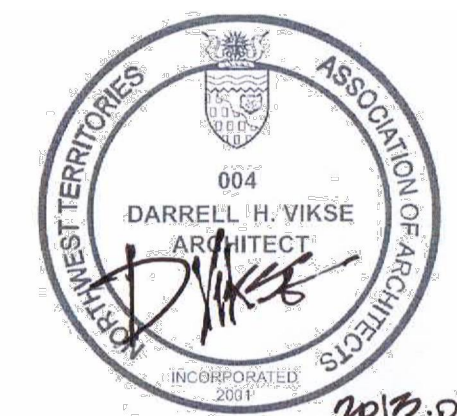
6 CLOSET ROD AND SHELF DETAIL
SCALE 1 : 10

Client Client

Client Client

ABBREVIATIONS

- CPT CARPET
- EX EXISTING
- FG FIXED GLAZING
- NSV NON-SLIP VINYL
- VINYL VINYL FLOORING
- WD WOOD



Darrell H. Vikse Architects Ltd.
PERMIT No. P001
ISSUED PURSUANT TO SECTION 29 OF THE ARCHITECTS ACT OF THE NORTHWEST TERRITORIES

ISSUED FOR TENDER	13/11/11
99% SUBMISSION	13/03/07
50% SUBMISSION	13/02/20
DESIGN DEVELOPMENT	12/02/05

REVISIONS	DESCRIPTION	DATE
A	detail number number du detail	A
B	source drawing no. de dessin no.	B C
C	detail on drawing no. detail sur dessin no.	

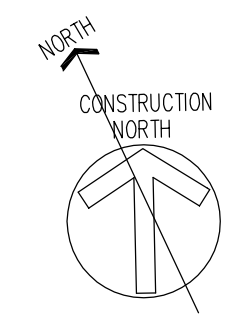
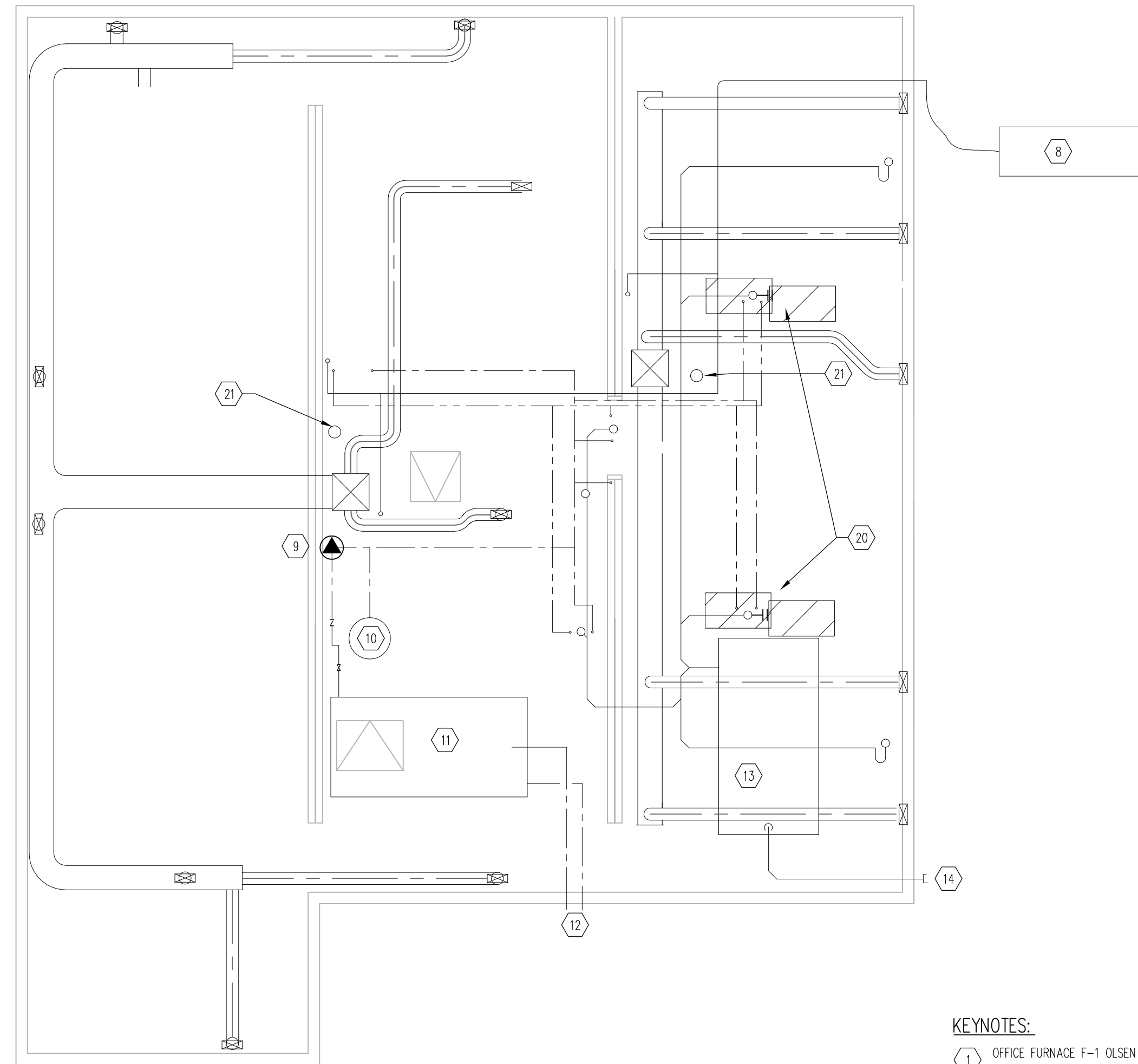
project title titre du projet
RENOVATIONS TO GOVERNMENT OF CANADA BUILDING
 ULUKHAKTOK, NWT

drawing title titre du dessin

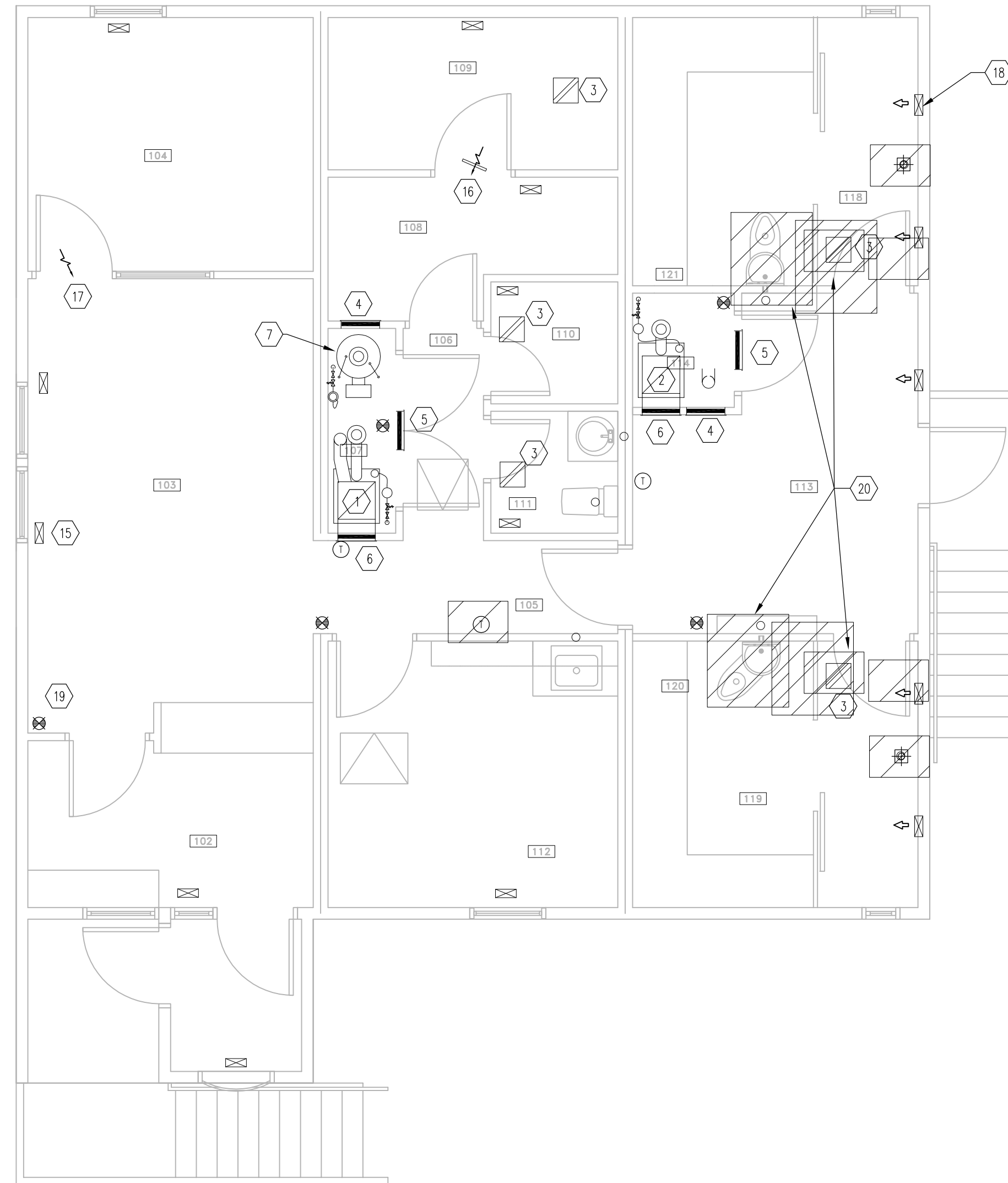
FLOORPLAN, NOTES, SCHEDULES AND DETAILS

designed by G.D. conçu par
 drawn by AM dessinée par
 approved by G.D. approuvé par
 Project Manager D.V. Administrateur de Projets

scale AS NOTED echelle
 project no. WBSE # R.023085.001 projet no. A4
 date date OF 04



2 CRAWL SPACE PLAN
SCALE: 1:50



1 MAIN FLOOR PLAN
SCALE: 1:50

KEYNOTES:

- 1 OFFICE FURNACE F-1 OLSEN VML-80
- 2 CELL FURNACE F-2 OLSEN VML-80
- 3 EXHAUST FAN IN CEILING
- 4 COMBUSTION AIR TRANSFER GRILLE NEAR FLOOR C/W FIRE DAMPER
- 5 COMBUSTION AIR TRANSFER RELIEF GRILLE NEAR CEILING C/W FIRE DAMPER
- 6 RETURN AIR GRILLE C/W FIRE DAMPER
- 7 DOMESTIC WATER HEATER DHW-1 AERO CF32T
- 8 OIL TANK OTK-1
- 9 WATER PRESSURE PUMP
- 10 WATER PRESSURE TANK
- 11 POTABLE WATER TANK
- 12 WATER FILL AND OVERFLOW
- 13 SEWAGE TANK
- 14 SEWAGE PUMP-OUT
- 15 TYPICAL SA GRILLE FLOOR LOCATED
- 16 DOOR GRILLE
- 17 UNDERCUT DOOR
- 18 TYPICAL CELL SA GRILLE WALL LOCATED
- 19 TYPICAL FIRE EXTINGUISHER
- 20 REMOVE EXISTING CELL PLUMBING FIXTURES AND PIPING AS REQUIRED FOR NEW INSTALLATION. REMOVE EXISTING CELL EXHAUST FANS
- 21 EXISTING OUTSIDE AIR DUCTS RUN UP FROM BELOW CRAWL SPACE FLOOR TO THE FURNACE ROOMS ABOVE

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project title titre du projet
RENOVATIONS TO GOVERNMENT OF CANADA BUILDING ULUKHAKTOK, NWT

drawing title titre du dessin
MECHANICAL EXISTING PLANS

designed by BFG conçu par

drawn by BFG dessinée par

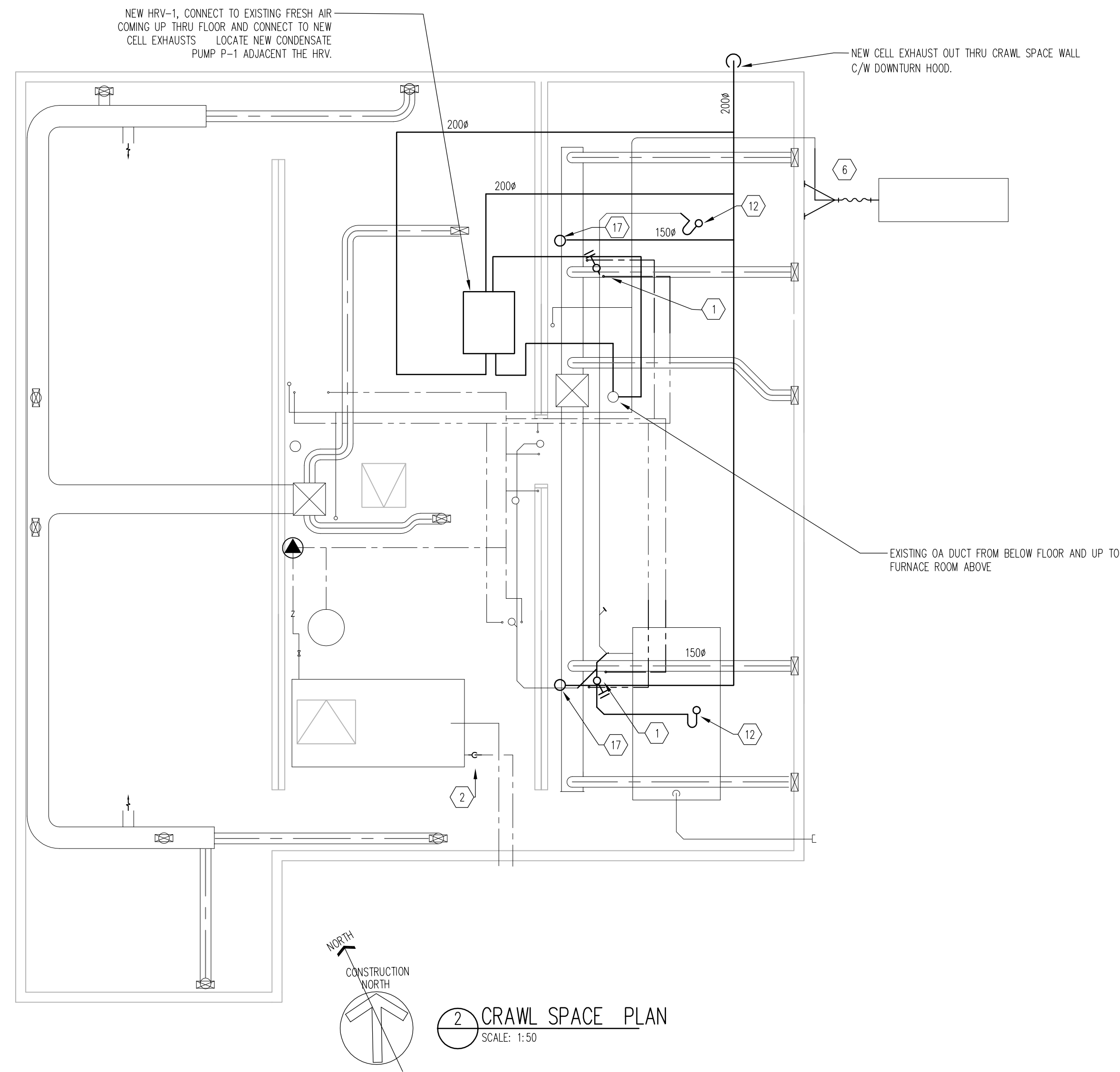
approved by approuvé par

Project Manager Administrateur de Projets

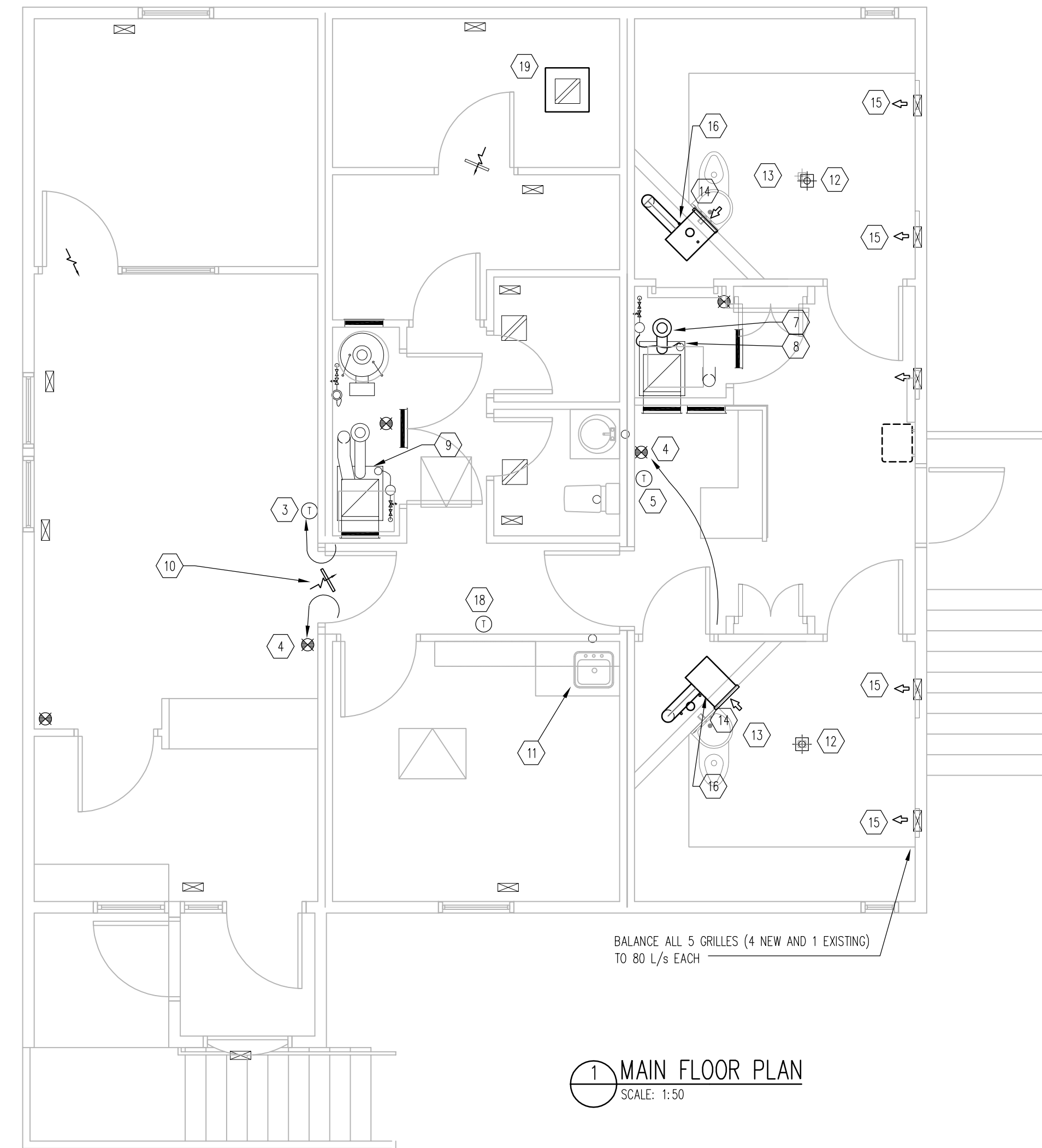
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project no. **WBSE # R.023085.001** projet no. **M101**

date **MAY 2013** date **OF 4**



2 CRAWL SPACE PLAN
SCALE: 1:50



1 MAIN FLOOR PLAN
SCALE: 1:50

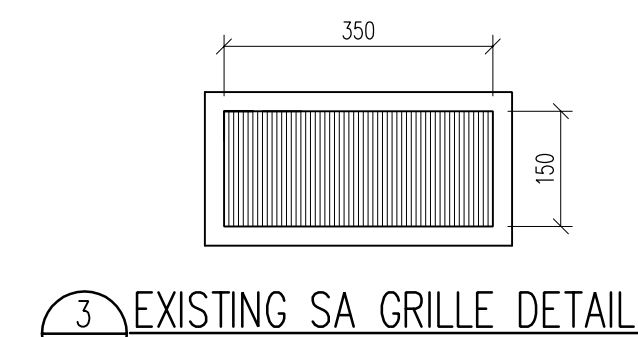
KEYNOTES:

- 1 RUN NEW SANITARY AND WATER LINES TO NEW CELL FIXTURES
- 2 OFFSET WATER FLOW LINE TO TOP OF WATER TANK AND SLOPE LINE OUT TO ORIGINAL BUILDING OVERFLOW LOCATION.
- 3 RELOCATE THERMOSTAT TO OFFICE, REPLACE THERMOSTAT WITH NEW THERMOSTAT
- 4 RELOCATE FIRE EXTINGUISHERS AS SHOWN (2)
- 5 REPLACE THERMOSTAT WITH NEW THERMOSTAT
- 6 REPLACE EXISTING PIPING BETWEEN OIL TANK AND BUILDING WITH NEW PIPING AND SHORTENED FLEX. PROVIDE RIGID HANGERS OFF OF BUILDING TO SUPPORT PIPING
- 7 REPLACE EXISTING CHIMNEY AND BREECHING ON F-2.
- 8 REPIPE EXISTING FLEXIBLE CONNECTION TO EXISTING TIGER LOOP SO THAT FURNACE COVER CAN BE PROPERLY INSTALLED. INSTALL FURNACE COVER.
- 9 INSTALL EXISTING FURNACE COVER.
- 10 NEW DOOR GRILLE 550x500 PRICE ATCH HEAVY DUTY ALUMINUM DOOR GRILLE ARRANGEMENT B MOUNTING.
- 11 RELOCATE EXISTING KITCHEN SINK INTO NEW COUNTER, PROVIDE NEW TRIM
- 12 REMOVE EXISTING FLOOR DRAIN IN THE CELLS AND REPLACE WITH A NEW FLOOR DRAIN INSTALLED SLIGHTLY BELOW GRADE WITH SECURITY SCREWS. RELOCATE FLOOR DRAIN AND ADJUST NEW FLOOR DRAIN FOR NEW PLYWOOD UNDERLAYMENT IN CELLS (SEE ARCHITECTURAL). ROUTE OUT FACE OF PLYWOOD TO 3mm DEPTH TO ALLOW GRILLE FRAME TO BE FLUSH WITH PLYWOOD, AND APPLY EPOXY SEALANT TO ENTIRE PERIMETER OF FLOOR DRAIN FRAME.

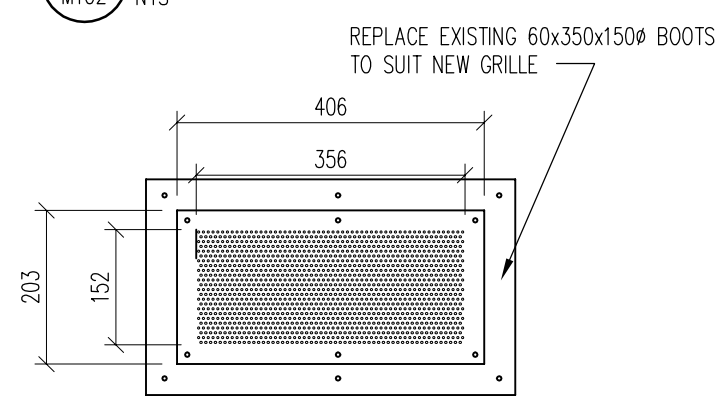
KEYNOTES:

- 13 REMOVE EXISTING SS WATER CLOSETS AND REPLACE WITH NEW WATER CLOSETS IN THE NEW LOCATION, AND CONNECT ALL THE PLUMBING PIPING AS REQUIRED. TYPICAL OF 2. APPLY EPOXY SEALANT TO ENTIRE PERIMETER OF NEW WATER CLOSET WHERE UNIT MEETS THE FLOOR AND WALL.
- 14 REMOVE EXISTING EA GRILLES FROM CEILING AND REPLACE WITH NEW 311x311 SECURITY GRILLES IN THE NEW LOCATION ON THE WALL (TYPICAL OF 2 GRILLES IN EACH CELL) AND CONNECT ALL THE DUCTED FANS AS REQUIRED. ROUTE OUT FACE OF PLYWOOD TO 3mm DEPTH TO ALLOW GRILLE FRAME TO BE FLUSH WITH PLYWOOD FACE, AND APPLY EPOXY SEALANT TO ENTIRE PERIMETER OF GRILLE FRAME.
- 15 REMOVE EXISTING 356x152 SA GRILLES FROM WALL AND REPLACE WITH NEW 356x152 SECURITY GRILLES (TYPICAL OF 4 GRILLES). ROUTE OUT FACE OF PLYWOOD TO 3mm DEPTH TO ALLOW GRILLE FRAME TO BE FLUSH WITH PLYWOOD FACE, AND APPLY EPOXY SEALANT TO ENTIRE PERIMETER OF GRILLE FRAME.
- 16 REMOVE EXISTING EXHAUST FANS FROM THE CEILING AND REPLACE WITH NEW EXHAUST FANS (BROAN MODEL L250, 120 V, 830 rpm, 2.1 AMPS, 166 WATTS AND 260 cfm, 203# DUCT CONNECTOR) IN THE NEW LOCATION ON THE WALL.
- 17 NEW EXHAUST FROM MAIN FLOOR
- 18 NEW LOW TEMPERATURE ALARM. WIRE TO ALARM LIGHT AND HORN. SEE ELECTRICAL.
- 19 PROVIDE NEW DRIP SHIELD UNDER THE EXISTING EXHAUST FAN. SEE DETAIL 8 AND DRAWING M102

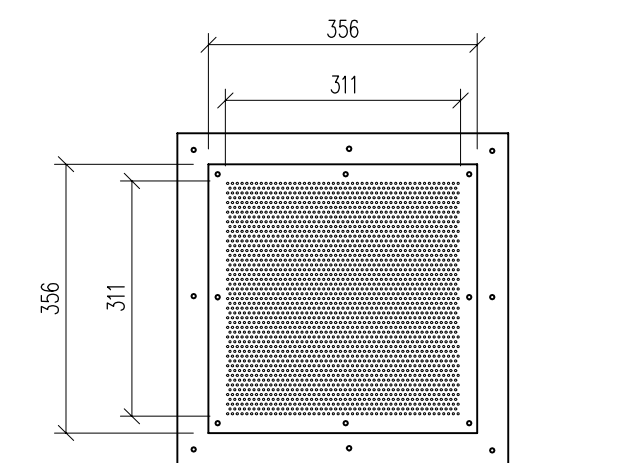
FOR EPOXY CAULKING SEE SECTION 07 92 10 - SEALANTS.



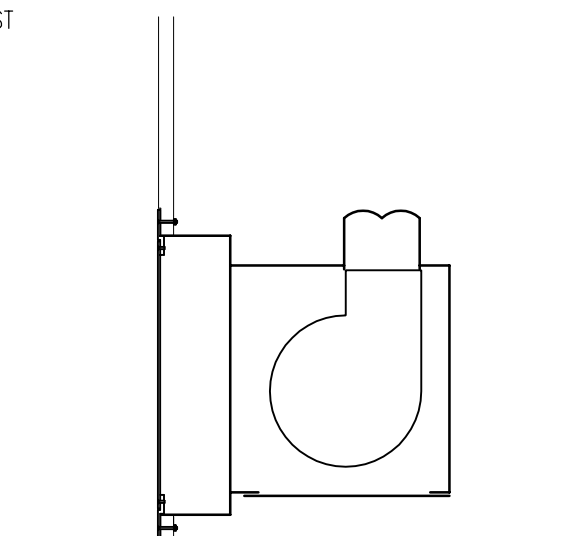
3 EXISTING SA GRILLE DETAIL
M102 NTS



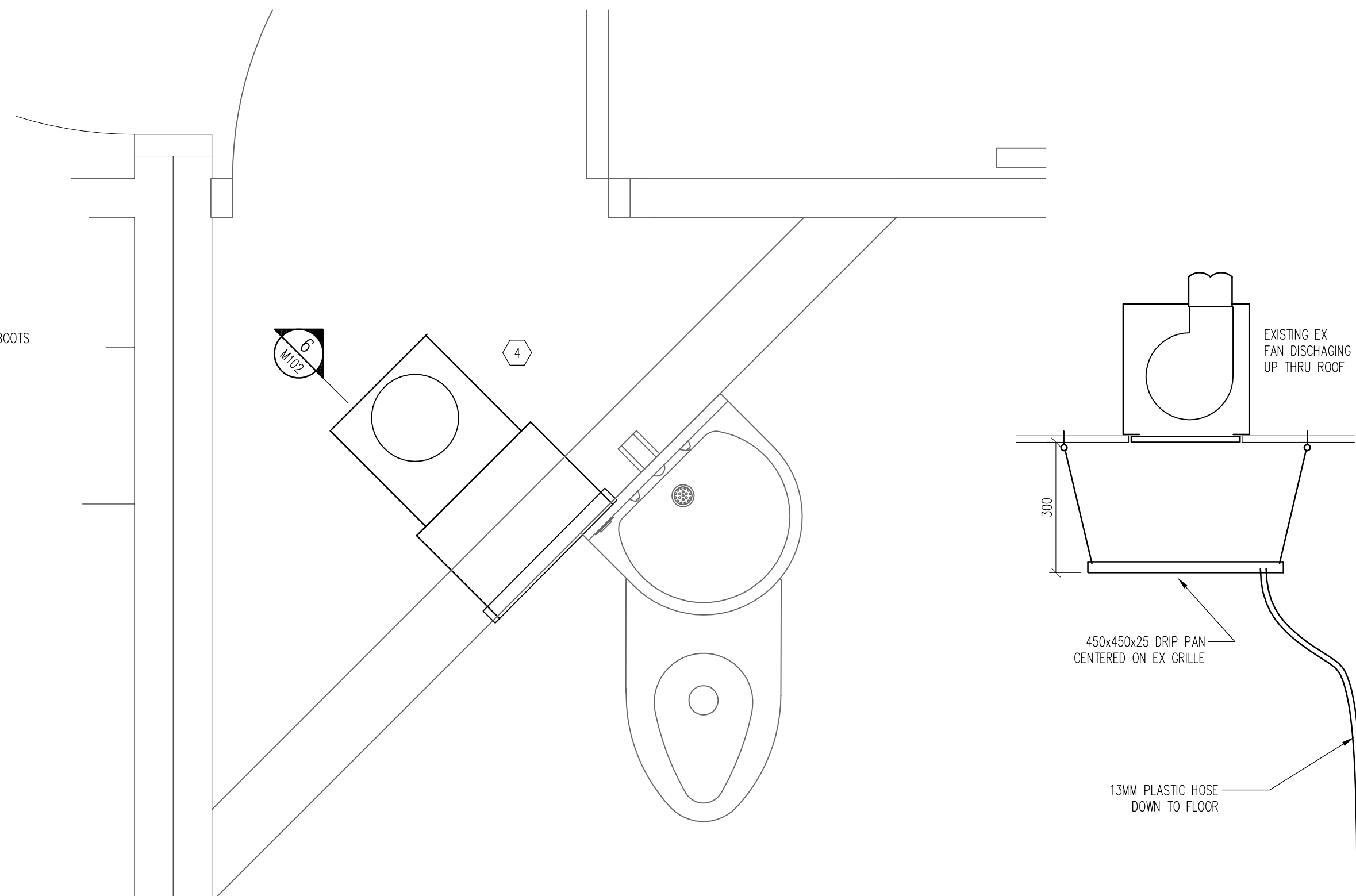
4 NEW SA GRILLE DETAIL
M102 NTS



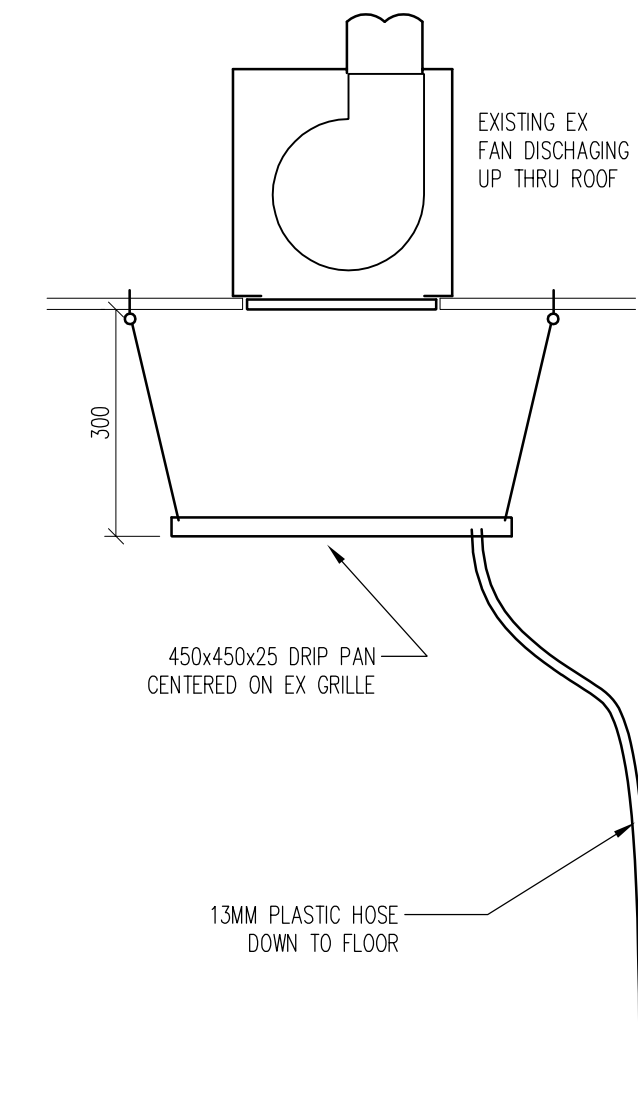
5 NEW EA GRILLE DETAIL
M102 NTS



6 NEW EA GRILLE SECTION
M102 1:10



7 NEW EF DETAIL
M102 1:10



8 DRIP SHIELD DETAIL
M102 1:10

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project title titre du projet

RENOVATIONS TO GOVERNMENT OF CANADA BUILDING ULUKHAKTOK, NWT

drawing title titre du dessin

MECHANICAL NEW PLANS

designed by BFG concu par

drawn by BFG dessine par

approved by approve par

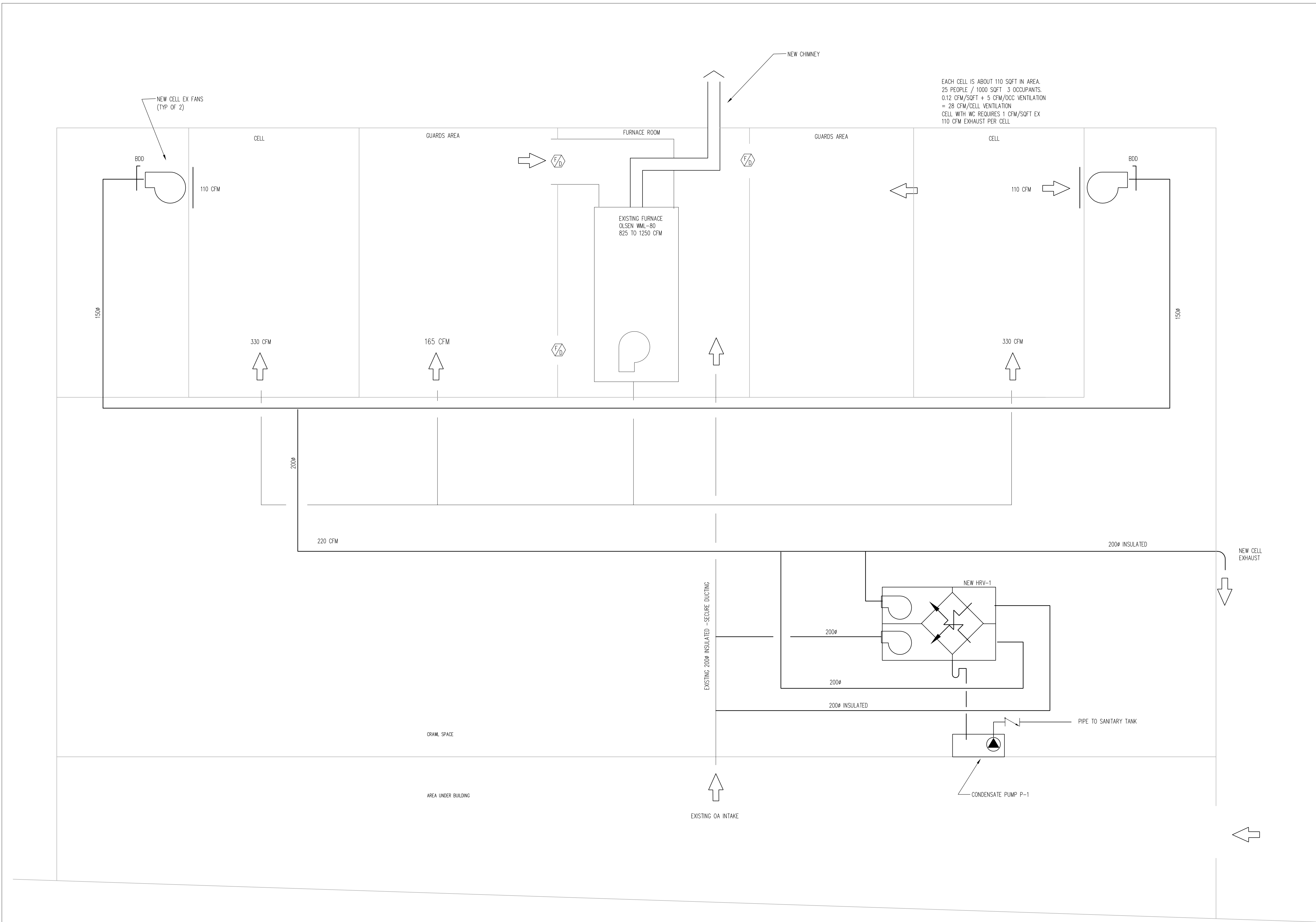
Project Manager Administrateur de Projets

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project no. WBSE # R.023085.001

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sheet M102
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1 CELL AIR FLOW SCHEMATIC
M102 NTS

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**RENOVATIONS TO
GOVERNMENT OF CANADA
BUILDING ULUKHAKTOK, NWT**

drawing title titre du dessin
**MECHANICAL
SCHEMATIC**

designed by BFG conçu par

drawn by BFG dessinée par

approved by approuvé par

Project Manager Administrateur de Projets

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project no. **WBSE # R.023085.001** projet no. **M103**

date **MAY 2013** date **OF 4**



1 SITE PLAN
SCALE: 1:100



2 EXISTING OIL TANK ARRANGEMENT
SCALE: NTS

Client

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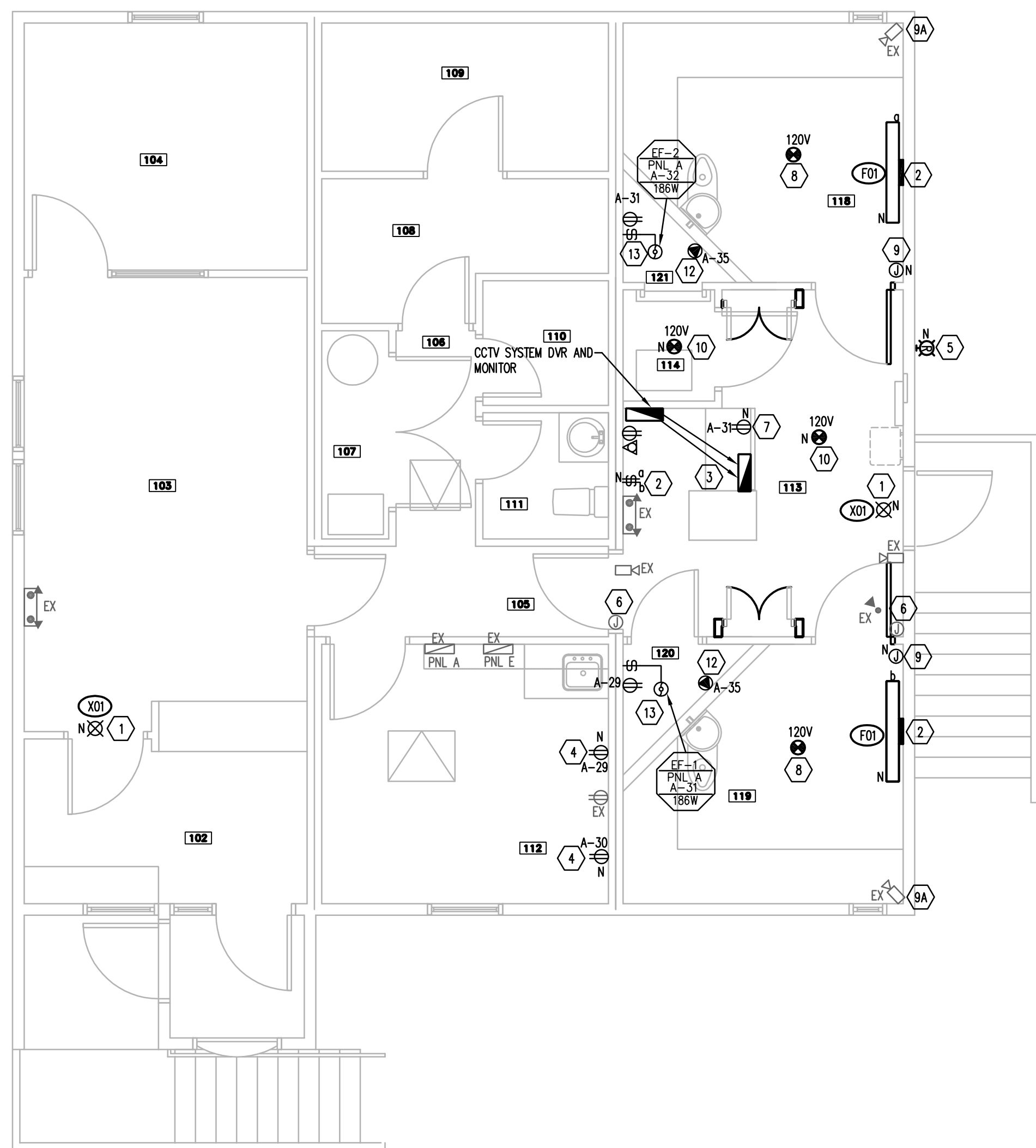
project title / titre du projet
RENOVATIONS TO GOVERNMENT OF CANADA BUILDING ULUKHAKTOK, NWT

drawing title / titre du dessin
MECHANICAL SITE PLAN

designed by / conçu par: BFG
 drawn by / dessinée par: BFG
 approved by / approuvé par:

Project Manager / Administrateur de Projets

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project no.	WBSE # R.023085.001	project no.	M104	
date	MAY 2013	date	OF 4	



1 MAIN FLOOR PLAN
ED-1 SCALE 1:50

LUMINAIRE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION	LAMPS	BALLAST	MOUNTING
F01	COOPER LIGHTING	FCC-X-232-120-86-EB82	TWO (2) TUBE FLUORESCENT CORNER LIGHT FIXTURE.	2 X 32 W TB	ELECTRONIC	WALL MOUNT
X01	LUMACELL	LSIWUP	EMERGENCY LIGHTING EXIT SIGN, SINGLE FACE, RUNNING MAN PICTOGRAM	LED	N/A	UNIVERSAL MOUNT 120VAC / 24VDC

MECHANICAL EQUIPMENT SCHEDULE															
EQUIP. No.	DESCRIPTION	LOCATION	W (HP)	VOLT/ PHASE	STARTER AND ACCESSORIES					REMOTE CONTROL	MCC KEY or CCT. No.	FUSE/BREAKER SIZE	FEEDER	REMARKS	
					SIZE	MAN.	MAG.	ON/OFF	P.L.						H.O.A.
EF-1	EXHAUST FAN-1	ROOM 120	186 W	120V / 1ϕ				X	X			A-31	1P-15A	16C-2#12	NOTE 1
EF-2	EXHAUST FAN-2	ROOM 121	186 W	120V / 1ϕ				X	X			A-32	1P-15A	16C-2#12	NOTE 1
HRV-1	HEAT RECOVERY VENTILATOR	CRAWL SPACE	186 W	120V / 1ϕ		X			X			A-33	1P-15A	16C-2#12	NOTE 1

NOTES: 1. PROVIDE DISCONNECTION SWITCH AND CONTROL WIRING AS PER CEC; CONTROLS BY MECHANICAL

2 CRAWL SPACE PLAN
ED-1 SCALE 1:50

KEYNOTES:

- REMOVE EXISTING EXIT SIGNS AND REPLACE WITH NEW RUNNING MAN PICTOGRAM AS PER 2010 NBC REQUIREMENTS AS INDICATED IN THE LUMINAIRE SCHEDULE. TO BE CONNECTED TO THE EXISTING CIRCUIT.
- REMOVE EXISTING CELL LIGHT FIXTURES AND REPLACE WITH NEW COMPACT FLUORESCENT LIGHT FIXTURE AS INDICATED IN THE LUMINAIRE SCHEDULE. APPLY SECURITY CAULKING AROUND PERIMETER OF NEW LIGHT FIXTURE WHERE UNIT MEETS THE CEILING AND WALL. PROVIDE NEW WIRING AND CONTROL SWITCHES AT THE NEW GUARD STATION. TO BE CONNECTED TO EXISTING CIRCUIT OF THE EMERGENCY PANEL.
- EXISTING CCTV SYSTEM DVR AND MONITOR TO BE RELOCATED TO THE DESKTOP. RELOCATE ALL THE ASSOCIATED POWER AND DATA OUTLETS TO THE SAME LOCATION UNDER THE DESK.
- PROVIDE NEW DEDICATED DUPLEX RECEPTACLES (TOTAL OF 2), TO BE CONNECTED CIRCUIT AS INDICATED c/w 1P-15A BREAKER FOR EACH.
- PROVIDE NEW FLASHING BEACON LIGHT UP HIGH FOR LOW BUILDING TEMPERATURE. TO BE CONNECTED TO NEW THERMOSTAT LOCATED IN CORRIDOR 105. COORDINATE WITH MECHANICAL FOR THE CONNECTIONS.
- EXPOSED JUNCTION BOX AND CONDUIT FOR THE CCTV SYSTEM TO BE BURIED IN THE WALL.
- PROVIDE NEW RECEPTACLE c/w 1P-15A BREAKER FOR BREATHALYZER TO BE CONNECTED TO THE NEXT AVAILABLE CIRCUIT AS INDICATED.
- REPLACE EXISTING CELL SMOKE DETECTORS AND GUARDS WITH NEW 120V LOCAL SMOKE/CO ALARM c/w BATTERY BACKUP. PROVIDE POWER FROM THE NEXT AVAILABLE SPACE IN THE EXISTING PANEL A. SMOKE ALARMS MUST BE INTERCONNECTED SO THAT ACTUATION OF ONE ALARM CAUSES ALL OTHER ALARMS IN THE CELL DETACHMENT TO SOUND. TEST NEW DETECTORS FOR OPERATION ONLY.
- PROVIDE NEW JUNCTION BOX BURIED IN THE WALL c/w CONDUIT AND WIRING BACK TO THE GUARD STATION TO MATCH THE EXISTING FOR THE FUTURE SECURITY CAMERAS. COORDINATE WITH OWNER FOR THE EXACT LOCATION AT SITE.
- REMOVE EXISTING CAMERA. REMOVE WIRING UP TO THE NEAREST JUNCTION BOX.
- PROVIDE A NEW 120V LOCAL SMOKE/CO ALARM c/w BATTERY BACKUP. PROVIDE POWER FROM THE NEXT AVAILABLE SPACE IN THE EXISTING PANEL A. SMOKE ALARMS MUST BE INTERCONNECTED SO THAT ACTUATION OF ONE ALARM CAUSES ALL OTHER ALARMS IN THE CELL DETACHMENT TO SOUND. TEST NEW DETECTORS FOR OPERATION ONLY.
- PROVIDE NEW RECEPTACLE FOR NEW CONDENSATE PUMP (P-1). COORDINATE WITH MECHANICAL.
- PROVIDE NEW HARDWIRE CONNECTION FOR WATER CLOSET, TO BE CONNECTED TO EXISTING PANEL A c/w 15AMP CIRCUIT BREAKER AS SHOWN ON THE DRAWING. COORDINATE WITH MECHANICAL.
- REMOVE EXISTING EXHAUST FAN CONNECTION AND DISCONNECT SWITCH AND WIRING BACK TO NEAREST ACCESSIBLE JUNCTION BOX. PROVIDE NEW EXHAUST FAN CONNECTION AND DISCONNECT SWITCH AS INDICATED. COORDINATE WITH MECHANICAL.

ELECTRICAL SYMBOL LEGEND	
DESCRIPTORS:	N = NEW DEVICE EX = EXISTING TO REMAIN
	SHADED DEVICES ARE INDICATIVE OF EXISTING DEVICES TO REMAIN
	LUMINAIRE, FLUORESCENT, WALL MOUNT
	DESCRIPTOR-LUMINAIRE (FIXTURE TAG); E.G. F01 = LUMINAIRE TYPE F01
	LIGHT, STROBE R = RED
	EXIT SIGN, CEILING MOUNT
	CIRCUIT BREAKER
	RECEPTACLE, DUPLEX, WALL MOUNT
	JUNCTION BOX
	SERVICE ENTRANCE WEATHERHEAD
	SPECIAL POWER CONNECTION
	MOTOR CONNECTION
	THERMOSTAT - LINE VOLTAGE
	SWITCH, MANUAL TRANSFER
	CABINET, UTILITY METER
	ALARM, SMOKE/CO
	CAMERA, FIXED
	JACK, LOCAL AREA NETWORK (LAN), WALL MOUNT

GENERAL NOTES:

- CONTRACTOR TO ENSURE WIRING AND CONDUITS TO BE RE-USED ARE TO BE VERIFIED FOR THEIR CONDITION, OTHERWISE PROVIDE NEW.
- DURING CONSTRUCTION, REMOVE/DISCONNECT DVR AND MONITOR AND KEEP OUT OF CONSTRUCTION SITE IN THE DETACHMENT AREA. COORDINATE WITH OWNER.
- COVER AND SEAL EXISTING CAMERAS TO PREVENT CONTAMINATION WITH DUST/DEBRIS.
- WHEN RELOCATING CABLING FOR THE VIDEO SIGNAL AND CAMERA POWER, DO NOT SPLICE OR EXTEND CABLING.
- BNC CONNECTORS CAN NOT BE "TWIST-ON TYPE", ONLY "CRIMP-TYPE" OR "PRESS-ON TYPE" IS ACCEPTABLE.
- IF CABLING REPLACEMENT IS REQUIRED, CONTACT C. DIV. PITS FOR SPECIFICATION AND/OR POSSIBLE SUPPLY.

WIRING METHOD

- WIRING SHALL BE OF NM90 CABLE.
- 120-V POWER WIRING OF BE MINIMUM #12 AWG COPPER WITH XLPE RW90 INSULATION.
- CONCEALED BX (AC90) CABLE MAY BE USED IN SHORT LENGTHS FOR FINAL CONNECTION TO FIXTURES.
- ELECTRICAL DEVICE BOXES SHOULD NOT BE INSTALLED BACK TO BACK AND SEPARATED BY MINIMUM OF 300mm.
- ALL PENETRATIONS THROUGH FIRE WALLS ARE TO BE FIRE-SEALED.

CIRCUITING GUIDELINES

- LIGHTING CIRCUITS TO BE LOADED TO 1200 WATTS MAXIMUM PER 15 AMP CIRCUIT.
- A MAXIMUM OF 4 RECEPTACLES PER CIRCUIT BE PROVIDED FOR GENERAL PURPOSE LOADS. DESIGNATED KITCHEN EQUIPMENT BE FED A DEDICATED CIRCUIT.
- GROUNDING AND BONDING CONDUCTORS BE PROVIDED AS PER C.E.C.
- EXIT SIGNS AND EMERGENCY LIGHTING TO BE ON THE SAME SINGLE DEDICATED CIRCUIT c/w ZONE SENSING RELAY.
- MINIMUM OF 10% SPACES BE ALLOWED IN NEW PANEL.

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A	detail number	A
B	source drawing no.	B
C	detail on drawing no.	C

project title
RENOVATIONS TO GOVERNMENT OF CANADA BUILDING ULUKHAKTOK, NWT

drawing title
ELECTRICAL LAYOUT MAIN FLOOR & CRAWL SPACE

designed by M.S.M/MC conou par

drawn by M.S.M/MC desaine par

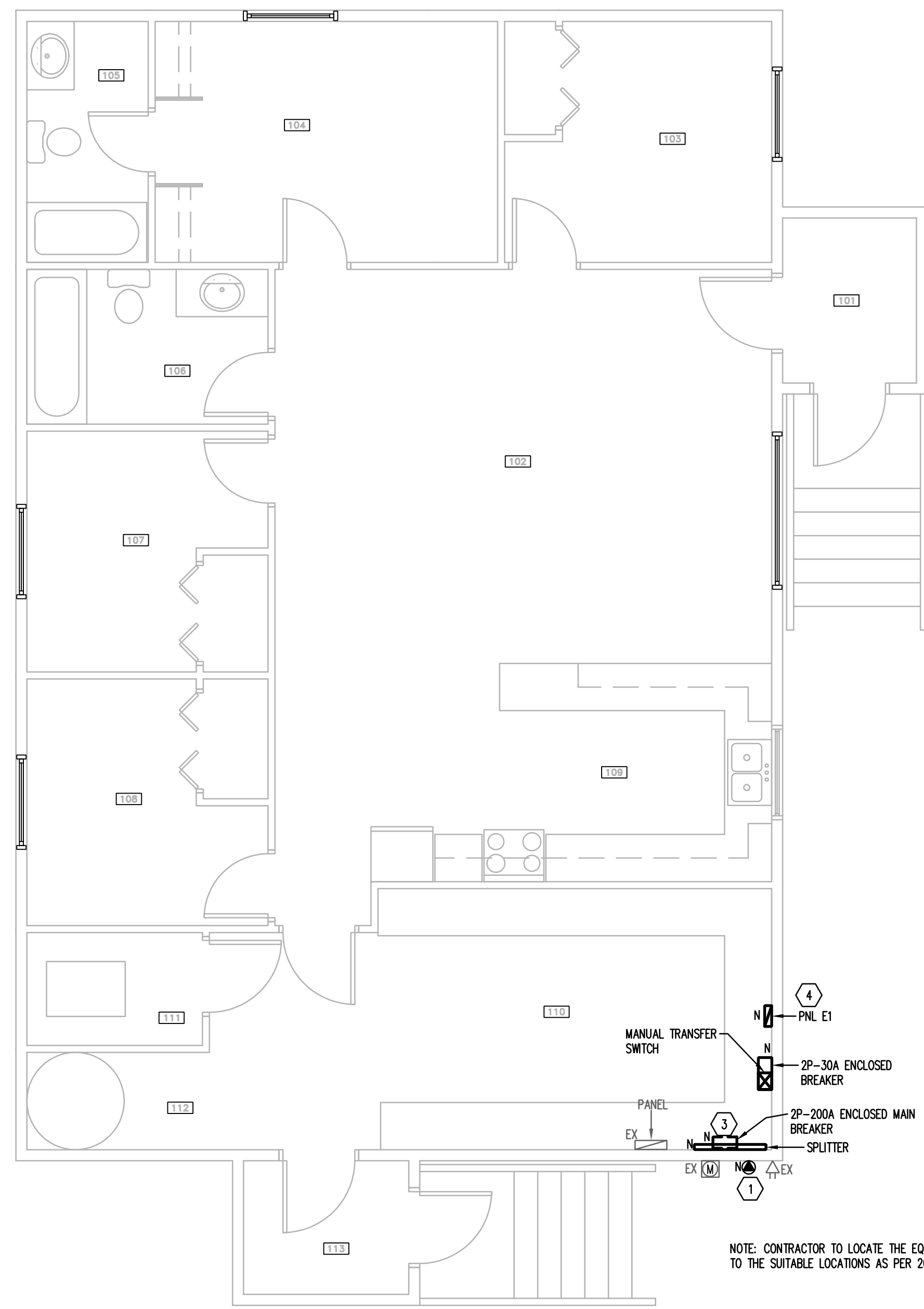
approved by JAB/MS approve par

Project Manager Administrateur de Projets

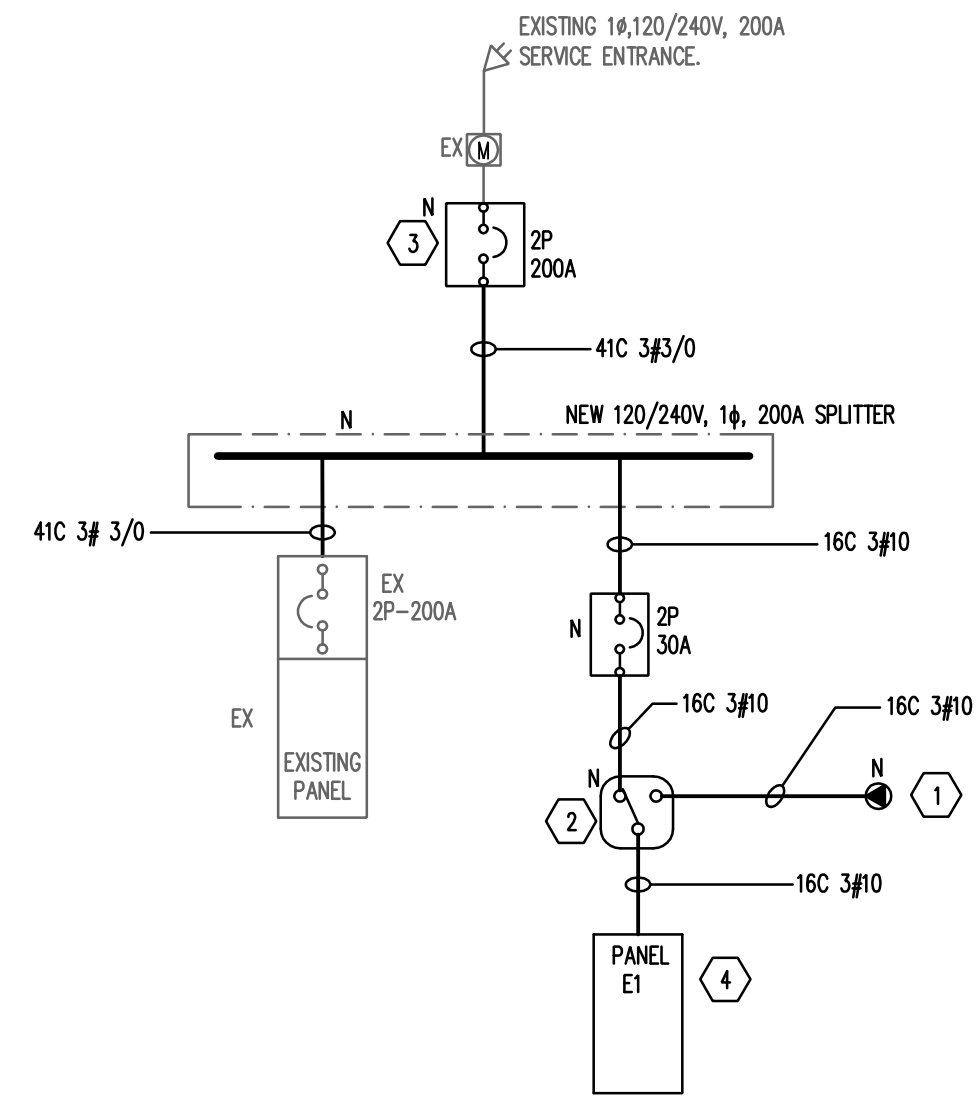
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project no. WBSE # R.023085.001 project no. E101

date MAY 2013 date OF 2



1 RESIDENCE HOUSE FLOOR PLAN
ED-2 SCALE 1:50



2 MODIFIED SINGLE LINE DIAGRAM
ED-2 SCALE: NTS

KEYNOTES:

- 1 PROVIDE L6-30R TWIST-LOCK RECEPTACLE ON EXTERIOR OF BUILDING FOR CONNECTION OF PORTABLE GENSET.
- 2 PROVIDE NEW 16, 120/240V, 30A MANUAL TRANSFER SWITCH TO PROVIDE EMERGENCY POWER TO NEW PANEL E1 FROM PORTABLE GENSET.
- 3 PROVIDE NEW 2P-200A MAIN BREAKER. FEEDERS TO MATCH THE EXISTING AND AS REQUIRED BY THE LATEST CANADIAN ELECTRICAL CODE.
- 4 PROVIDE NEW 16, 120/240V, 30A, 24 CIRCUITS SURFACE MOUNT EMERGENCY PANEL (PANEL E1) w/ 100A BUS BAR. CONTRACTOR TO RELOCATE THE EMERGENCY LOAD FROM THE EXISTING PANEL TO THE NEW EMERGENCY PANEL (PANEL E1).

GENERAL NOTES:

- 1. ASSUMING EMERGENCY LOAD ARE HEATING SYSTEMS AND NIGHT LIGHTS. CONTRACTOR TO ENSURE THE EMERGENCY LOAD IS NOT EXCEEDING THE L6-30R TWIST-LOCK RECEPTACLE CAPACITY. COORDINATE WITH THE OWNER FOR THE EXACT REQUIREMENTS AT SITE.

NOTE: CONTRACTOR TO LOCATE THE EQUIPMENTS TO THE SUITABLE LOCATIONS AS PER 2012 C.E.C

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project title **RENOVATIONS TO GOVERNMENT OF CANADA BUILDING ULUKHAKTOK, NWT** titre du projet

drawing title **ELECTRICAL LAYOUT RESIDENCE HOUSE FLOOR PLAN & SINGLE LINE DIAGRAM** titre du dessin

designed by M.S.M conou par
drawn by M.S.M dessine par
approved by JAB/MS approuve par
Project Manager Administrateur de Projets

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project no. WBSE # R.023085.001 projet no.
date MAY 2013 date OF 2