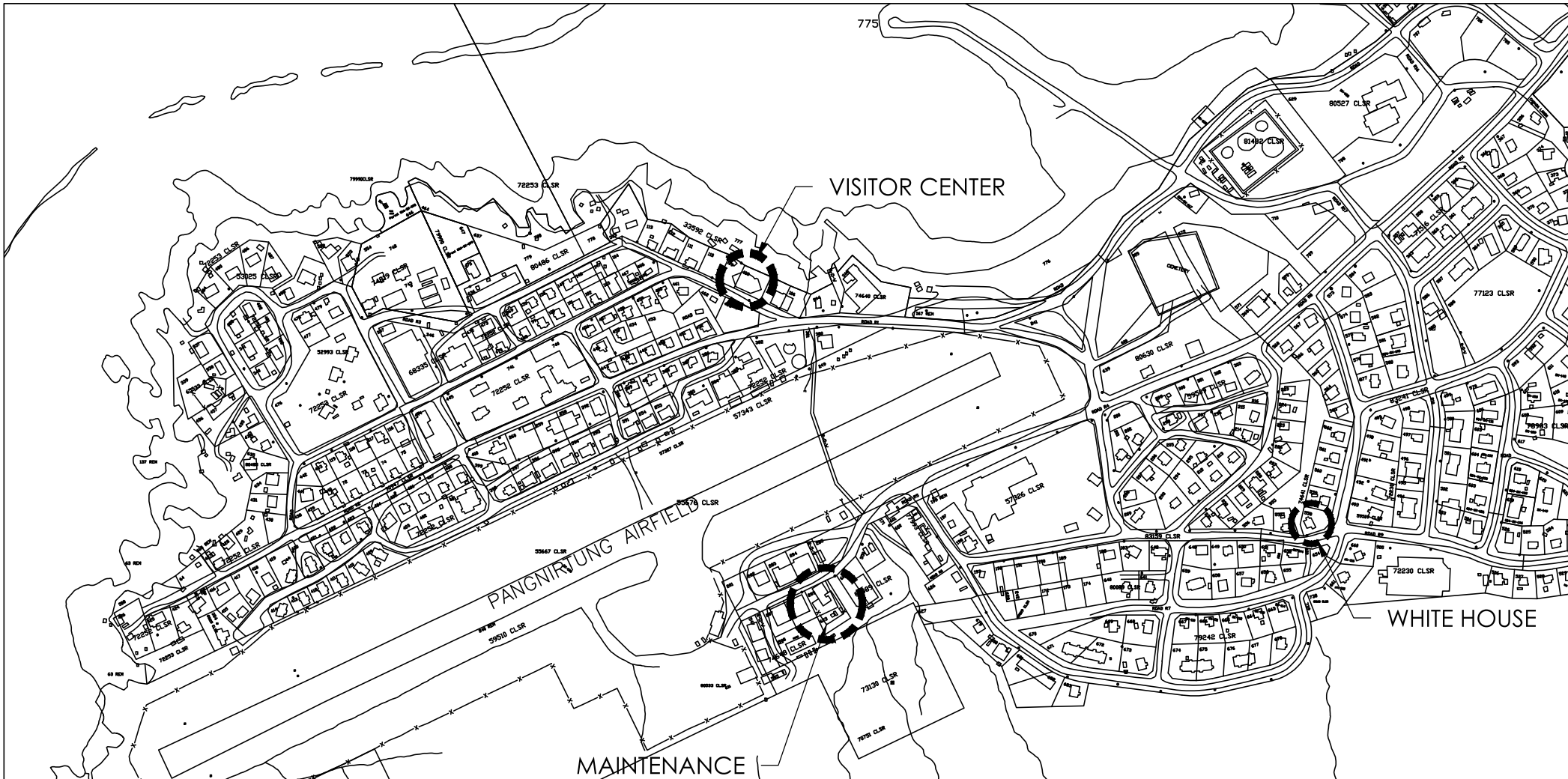
MAINTENANCE GARAGE AND FENCE REH

Pangnirtung, Nunavut

PCAU-01-02

PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 8TH 2019



MAINTENANCE GARAGE AND FENCE REH

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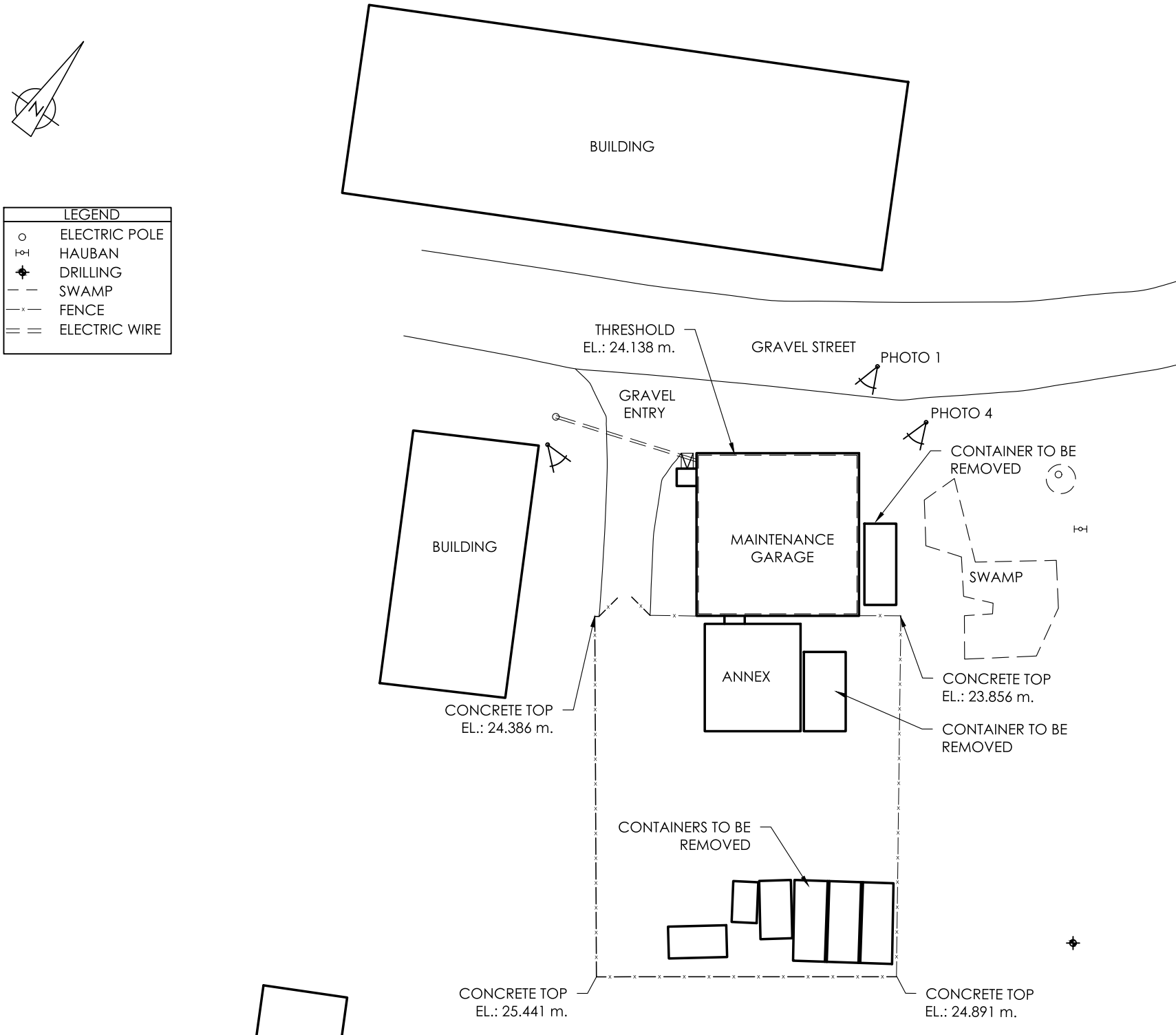
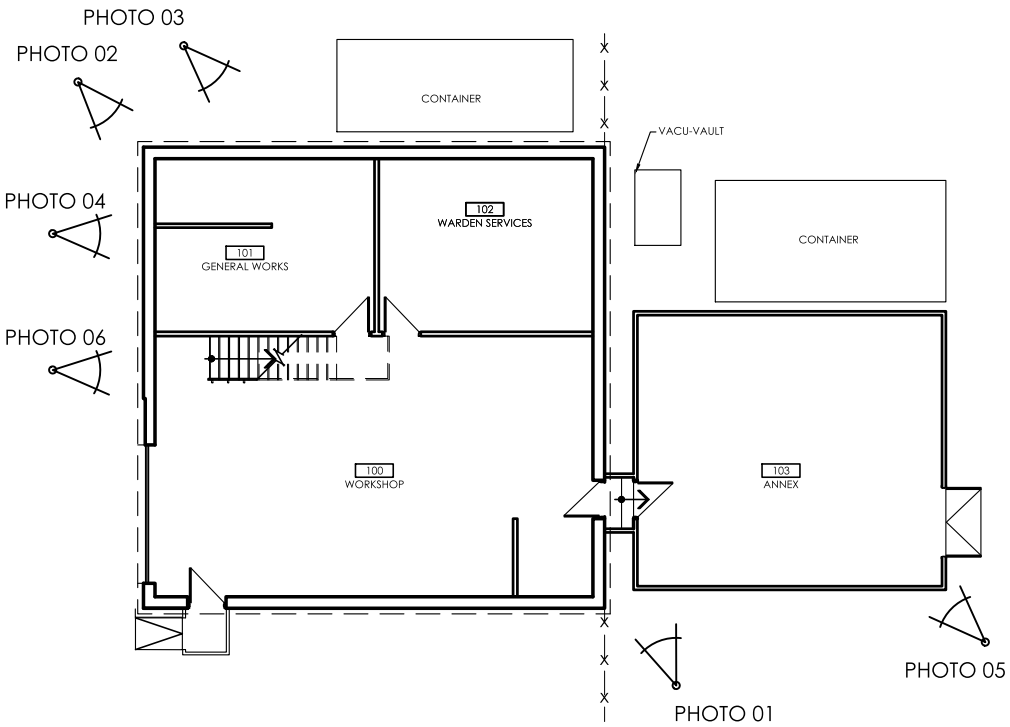
Pangnirtung, Nunavut

PCAU-01-02
PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 8TH 2019

DRAWING	EMISSION
MG-A010 - SITE PLAN	03
MG-A011 - EXISTING EXTERIOR CONDITIONS - PICTURES	03
MG-A012 - EXISTING INTERIOR CONDITIONS - PICTURES	03
MG-A030 - WALL AND PARTITION SCHEDULE	03
MG-A051 - FLOOR PLAN - DEMOLITION	03
MG-A052 - MEZZANINE FLOOR PLAN - DEMOLITION	03
MG-A053 - CEILING PLAN - DEMOLITION	03
MG-A054 - ELEVATIONS - DEMOLITION	03
MG-A055 - ELEVATIONS - DEMOLITION	03
MG-A056 - GENERAL SECTIONS - DEMOLITION	03
MG-A057 - DETAIL SECTION - DEMOLITION	03
MG-A101 - FLOOR PLAN - CONSTRUCTION	03
MG-A102 - MEZZANINE FLOOR PLAN - CONSTRUCTION	03
MG-A201 - CEILING PLAN - CONSTRUCTION	03
MG-A501 - ELEVATIONS - CONSTRUCTION	03
MG-A502 - ELEVATIONS - CONSTRUCTION	03
MG-A551 - GENERAL SECTIONS - CONSTRUCTION	03
MG-A651 - CONSTRUCTION DETAIL - SECTION	03
MG-A652 - CONSTRUCTION DETAIL - PLAN	03
MG-A901 - INTERIOR DETAIL	03
MG-A902 - INTERIOR DETAIL	03
MG-A903 - INTERIOR DETAIL	03
MG-A904 - INTERIOR DETAIL	02
MG-A951 - DOOR AND FRAME SCHEDULE / FINISH SCHEDULE	03


N
LEGEND
ELECTRIC POLE
HAUBAN
DRILLING
SWAMP
FENCE
ELECTRIC WIRE
BUILDING
THRESHOLD
EL.: 24.138 m.
GRAVEL STREET
PHOTO 1
GRAVEL
ENTRY
PHOTO 4
CONTAINER TO BE
REMOVED
BUILDING
MAINTENANCE
GARAGE
SWAMP
ANNEX
CONCRETE TOP
EL.: 23.856 m.
CONCRETE TOP
EL.: 24.386 m.
CONTAINER TO BE
REMOVED
CONTAINERS TO BE
REMOVED
CONCRETE TOP
EL.: 25.441 m.
CONCRETE TOP
EL.: 24.891 m.



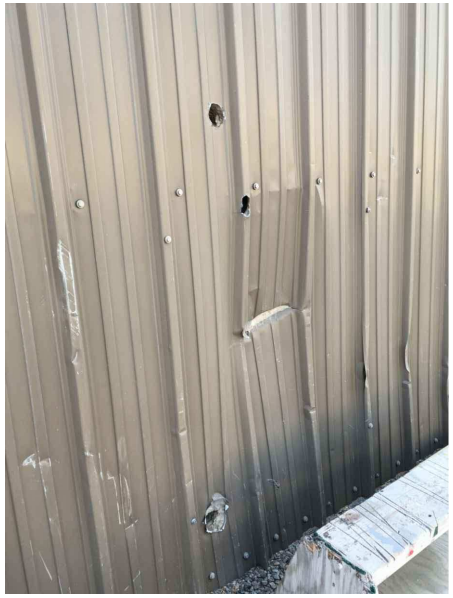


PHOTO 06

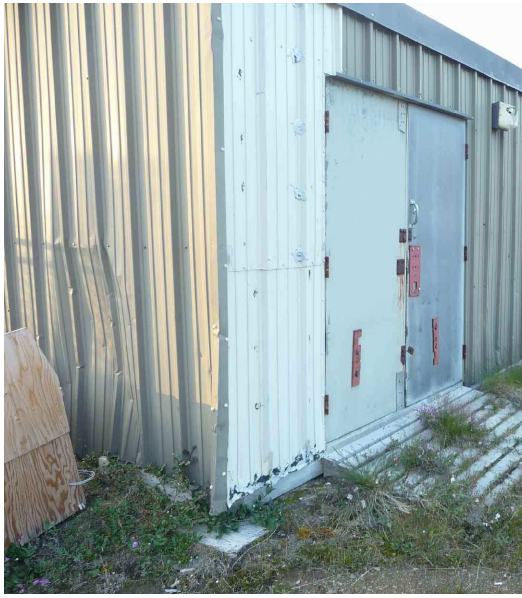
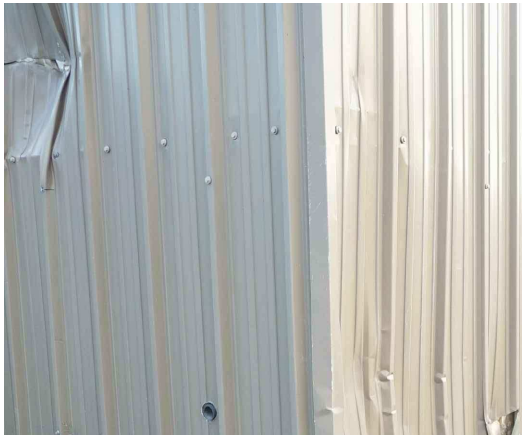
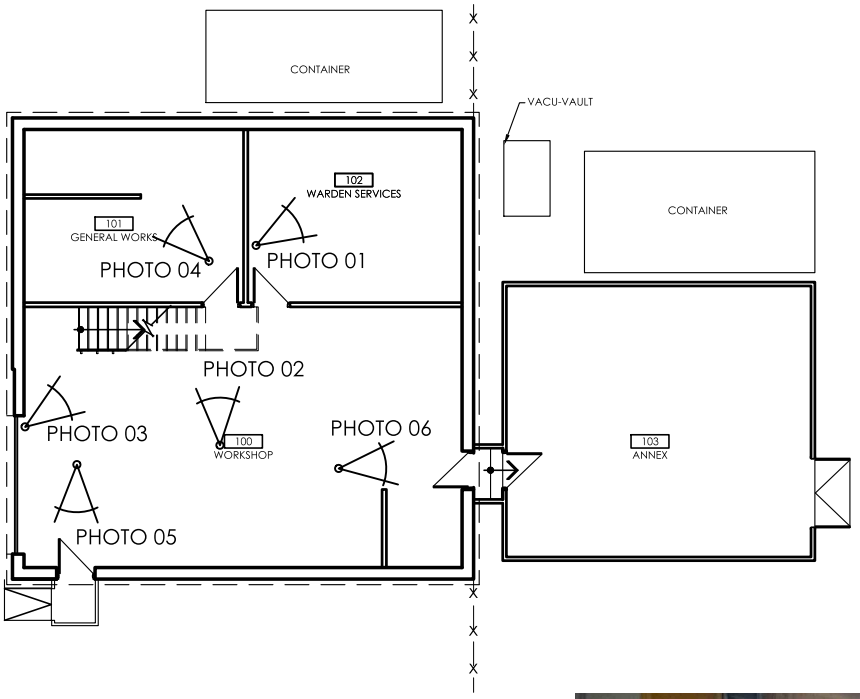
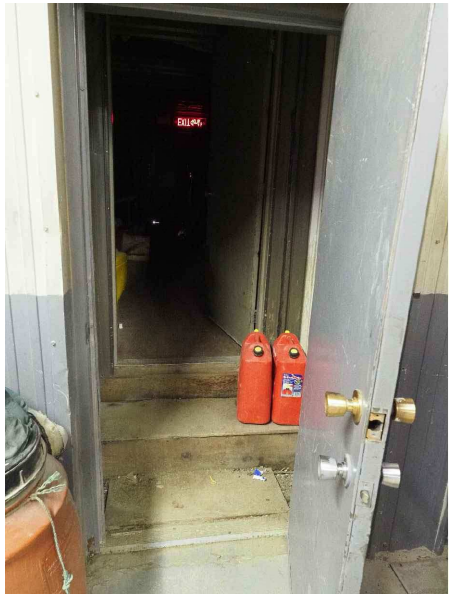


PHOTO 05







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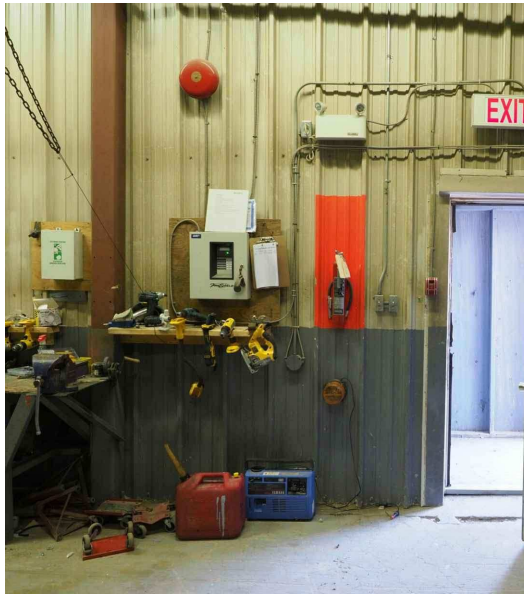

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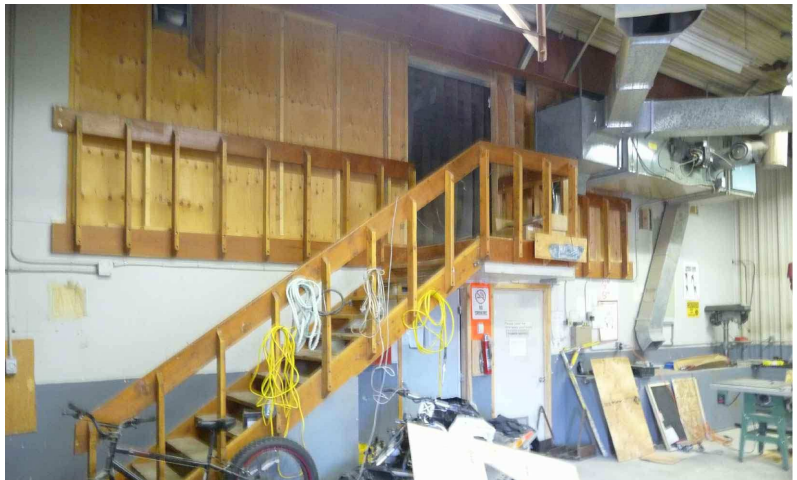
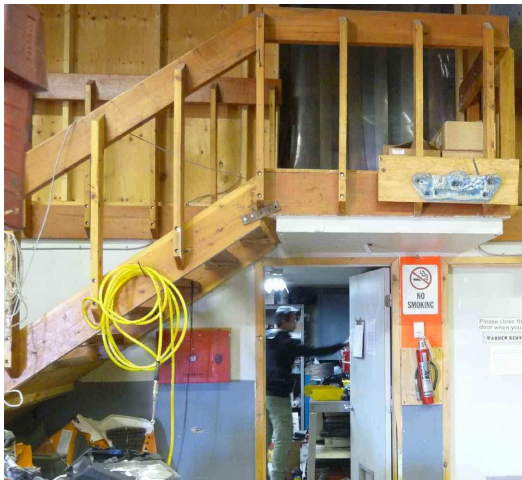
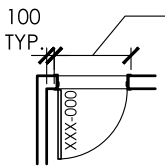




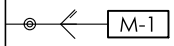
LEGEND - CONSTRUCTION

INTERIOR DOOR

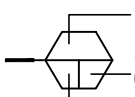
SEE DOOR AND FRAME SCHEDULE



EXTERIOR WALL TAG



PARTITION WALL TAG



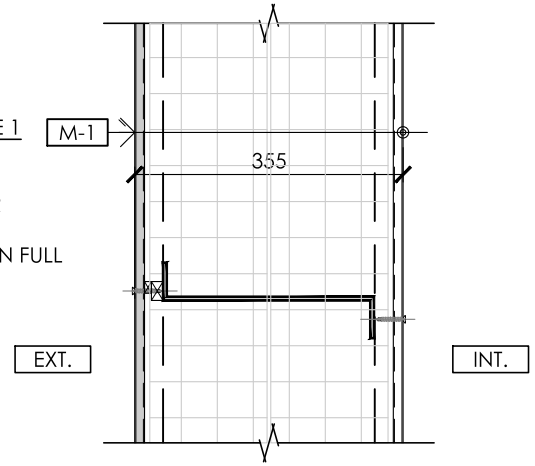
PARTITION NBR.

A: SLAB TO UNDERSIDE OF BEAM (OR TRUSSES, OR CEILING METAL CLADDING OR BEARING)
B: SLAB TO UNDERSIDE OF STAIR
C: FLOOR TO 1070 MM

- : NO FIRE RATING

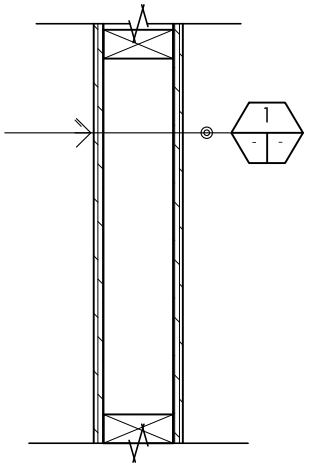
EXTERIOR WALL SCHEDULE

GARAGE EXTERIOR WALL TYPE 1
- EXISTING METAL CLADDING
- EXISTING WOOD FURRING
- EXISTING STRUCTURAL 'Z' BAR
- EXISTING HSS COLUMN
- MINERAL WHOOL INSULATION FULL WIDTH OF CAVITY RSI 8,4
- METAL CLADDING, Pm01

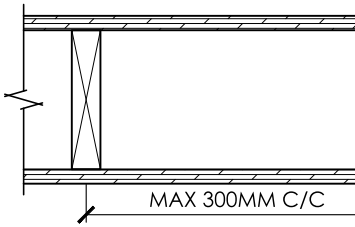


ANNEX EXTERIOR WALL TYPE 2
- EXISTING METAL CLADDING
- EXISTING WOOD FURRING
- EXISTING STRUCTURAL 'Z' BAR
- EXISTING COLUMN
- METAL CLADDING, Pm01

PARTITION WALL SCHEDULE



INTERIOR PARTITION WALL TYPE 1
- PLYWOOD 12,7 MM, Pw02
- 38 MM x 89 MM WOOD STUD @ 400 C.C.
- PLYWOOD 12,7 MM, Pw02



LEGEND - DEMOLITION

- EXISTING TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED
- EXISTING DOUBLE DOOR TO BE DEMOLISHED
- ELEMENT TO BE DEMOLISHED
- SURFACE TO BE DEMOLISHED
- EXISTING CEILING LIGHTING

MATERIAL LEGEND:

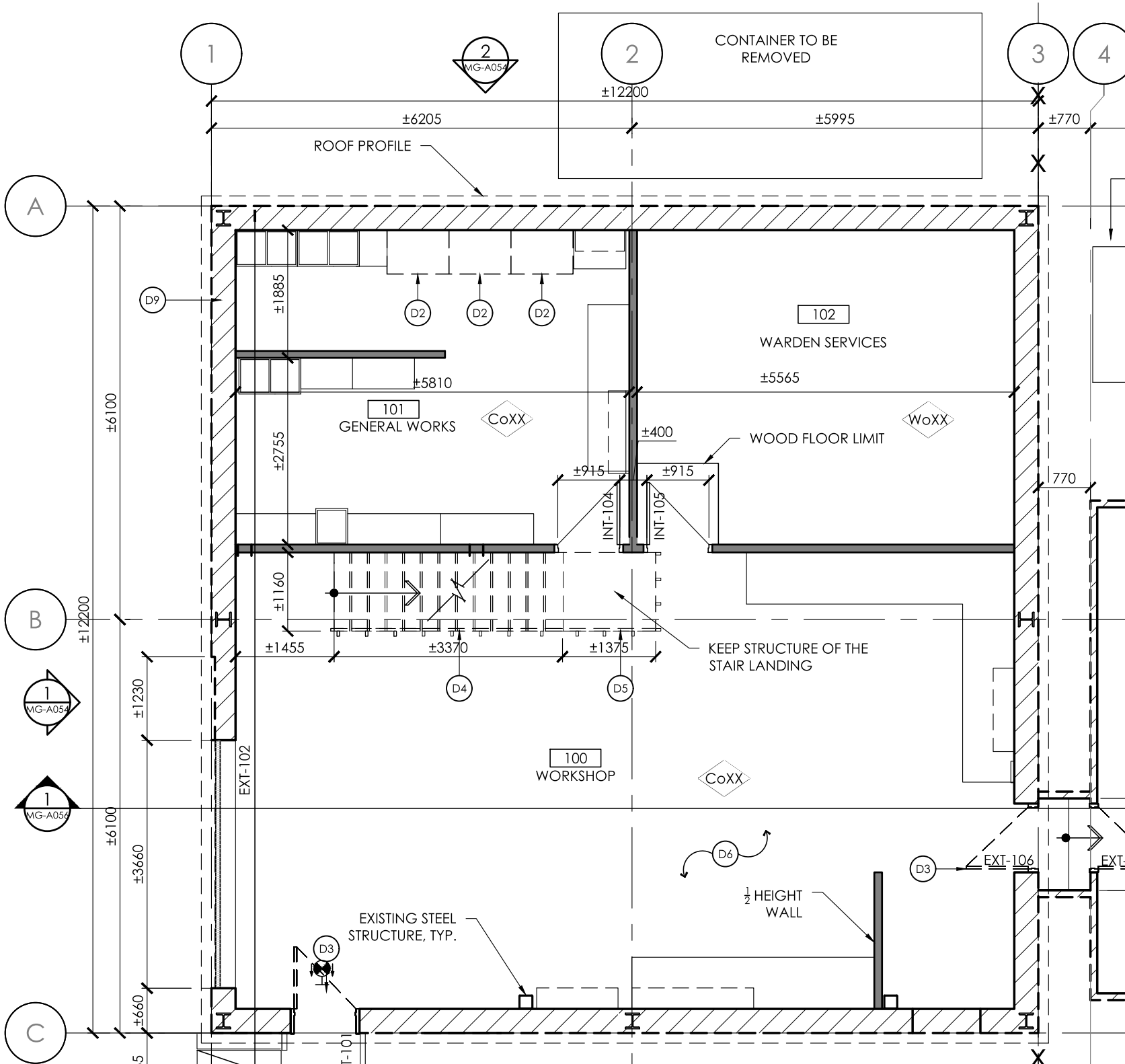
- CoXX EXISTING CONCRETE FLOOR
- PwXX EXISTING PLYWOOD
- WoXX EXISTING WOOD FLOOR
- GyXX EXISTING GYPSUM
- PmXX EXISTING METAL CLADDING
- Pm02 EXISTING METAL CLADDING TO PRESERVE

GENERAL DEMOLITION NOTES:

1. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR SCOPE OF DEMOLITION WORK IN THESE DISCIPLINES.
2. INSTALL THE REINFORCEMENTS AND TEMPORARY SUPPORT NECESSARY FOR THE SAFE DEMOLITION OF PARTS OF BUILDING.
3. WHEN A PARTITION WALL IS TO BE DEMOLISHED, EXECUTE THE DEMOLITION SLAB TO SLAB.
4. ALL OPENINGS IN EXTERIOR WALLS MUST BE PROTECTED BY TEMPORARY WEATHER PROOF INSTALLATIONS.
5. IN ADDITION TO THE WORK INDICATED IN THE DEMOLITION PLANS, INCLUDE REPAIR WORK FOLLOWING THE DEMOLITION

SPECIFIC DEMOLITION NOTES:

- D1 ITEM TO BE REMOVED BEFORE WORK AND REINSTALLED AFTER
- D2 ITEM TO BE REMOVED
- D3 EXISTING DOOR TO BE DEMOLISHED
- D4 EXISTING STAIR AND HANDRAIL TO BE DEMOLISHED
- D5 BE DEMOLISHED THE GYPSUM FINISH OF THE STAIR BEARING
- D6 GRIND, CLEAN AND PREPARE THE EXISTING CONCRETE SLAB TO RECEIVE THE EPOXY COAT
- D7 CLEANING AND PREPARING FLOOR TO RECEIVE PAINT
- D8 MECHANICAL EQUIPMENT TO BE REMOVED (SEE MECHANICAL)



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- ELEMENT TO BE DEMOLISHED
- SURFACE TO BE DEMOLISHED
- EXISTING CEILING LIGHTING

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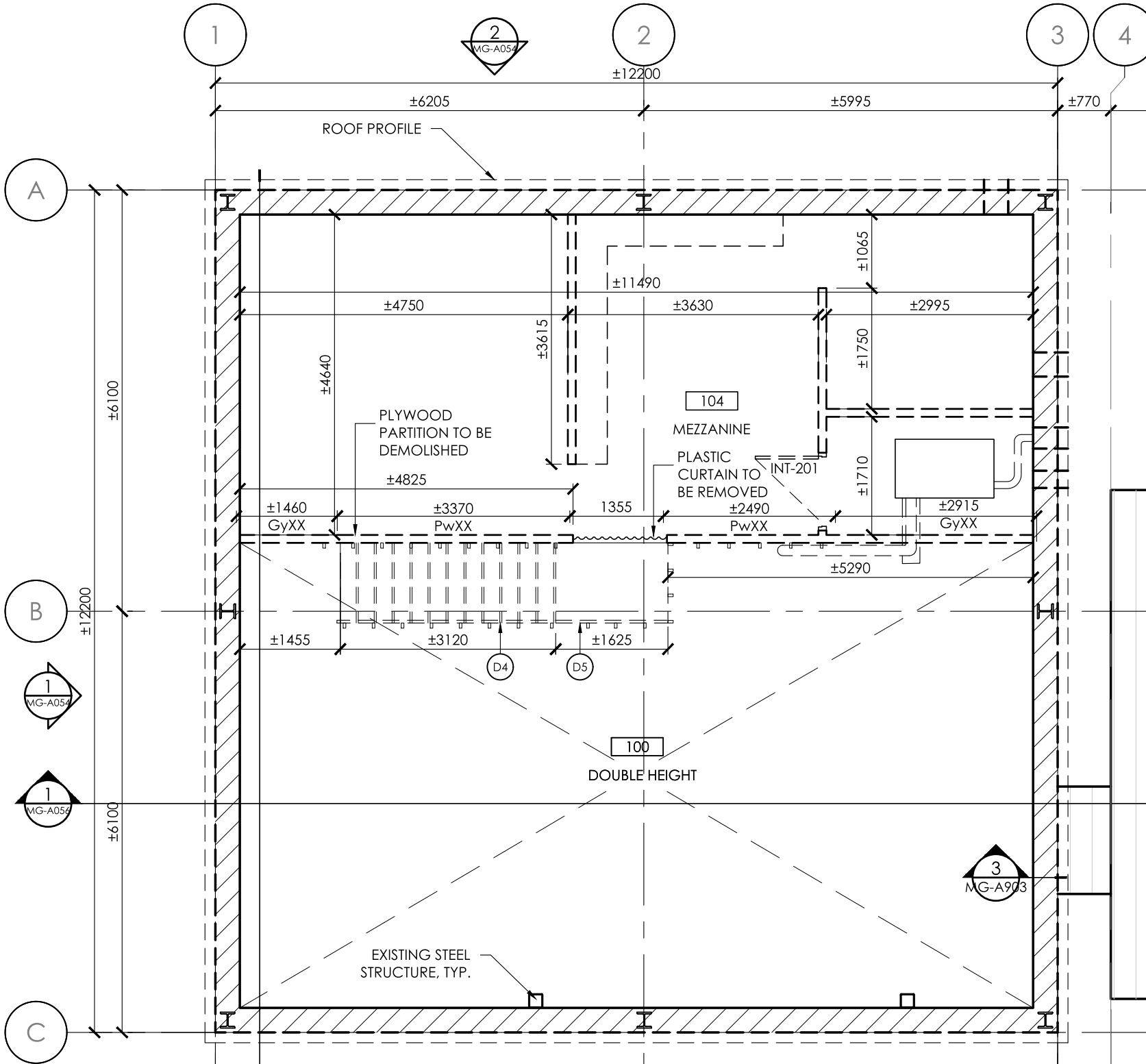

LEGEND - DEMOLITION

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- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED
- EXISTING DOUBLE DOOR TO BE DEMOLISHED
- ELEMENT TO BE DEMOLISHED
- SURFACE TO BE DEMOLISHED
- EXISTING CEILING LIGHTING

MATERIAL LEGEND:

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- PwXX EXISTING PLYWOOD
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- GyXX EXISTING GYPSUM
- PmXX EXISTING METAL CLADDING
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GENERAL DEMOLITION NOTES:

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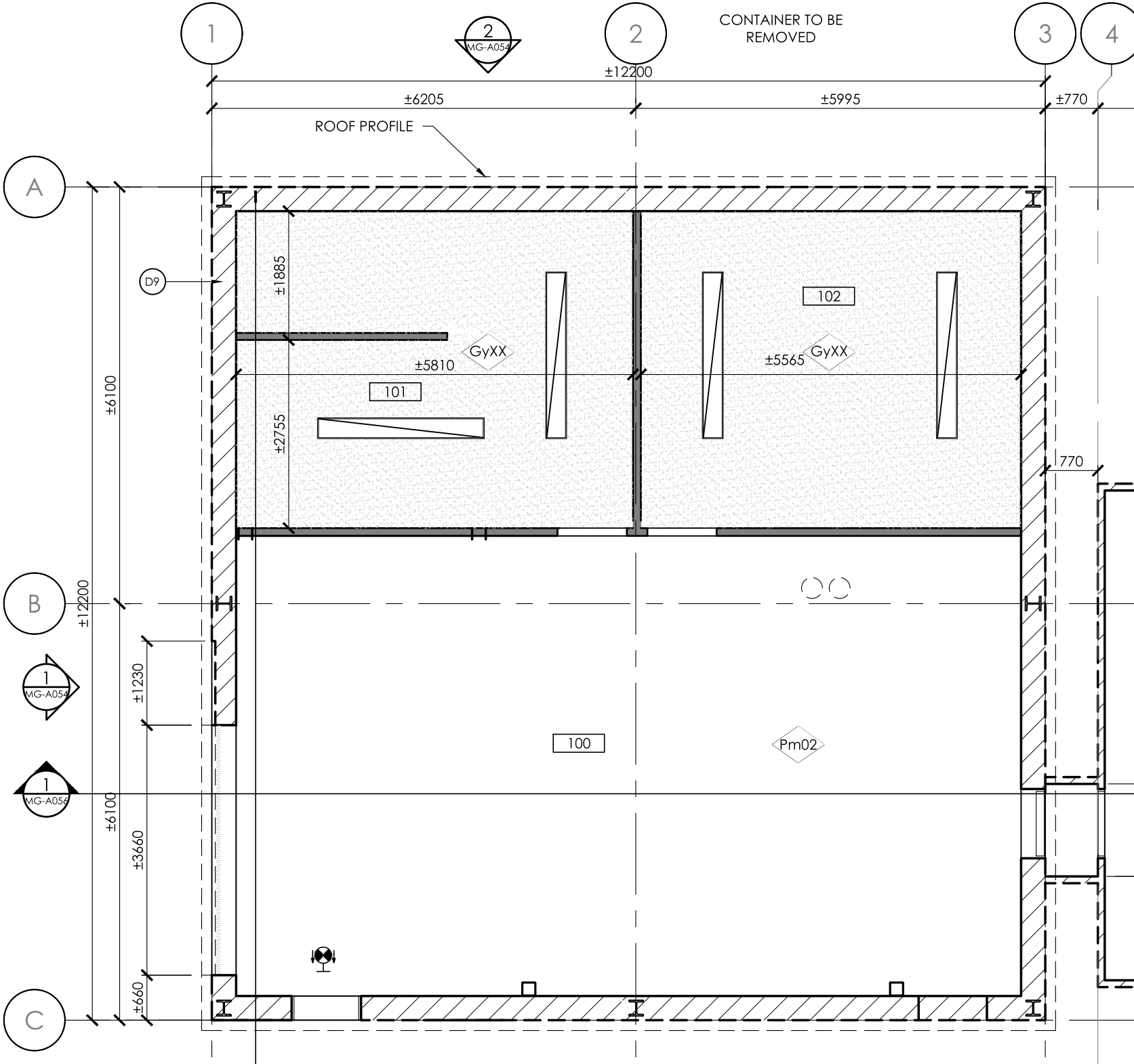
- D8 MECHANICAL EQUIPMENT TO BE REMOVED (SEE MECHANICAL)



LEGEND - DEMOLITION

EXISTING FENCE

E.L. EXISTING EXTERIOR LIGHTING

M ELECTRIC METER

MATERIAL LEGEND:

- CoXX — EXISTING CONCRETE FLOOR
- PwXX — EXISTING PLYWOOD
- WoXX — EXISTING WOOD FLOOR
- GyXX — EXISTING GYPSUM
- PmXX — EXISTING METAL CLADDING
- Pm02 — EXISTING METAL CLADDING TO PRESERVE

GENERAL DEMOLITION NOTES:

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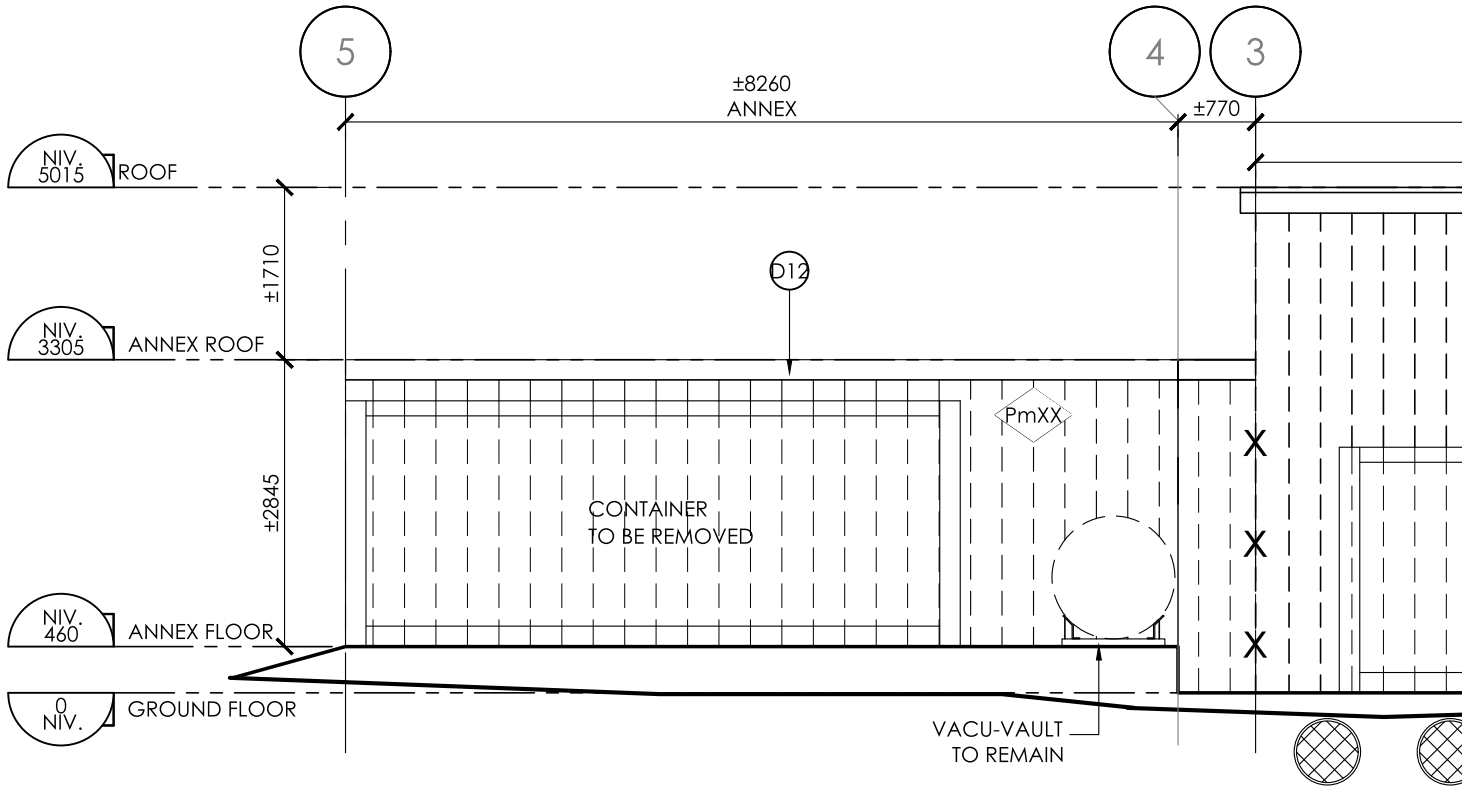
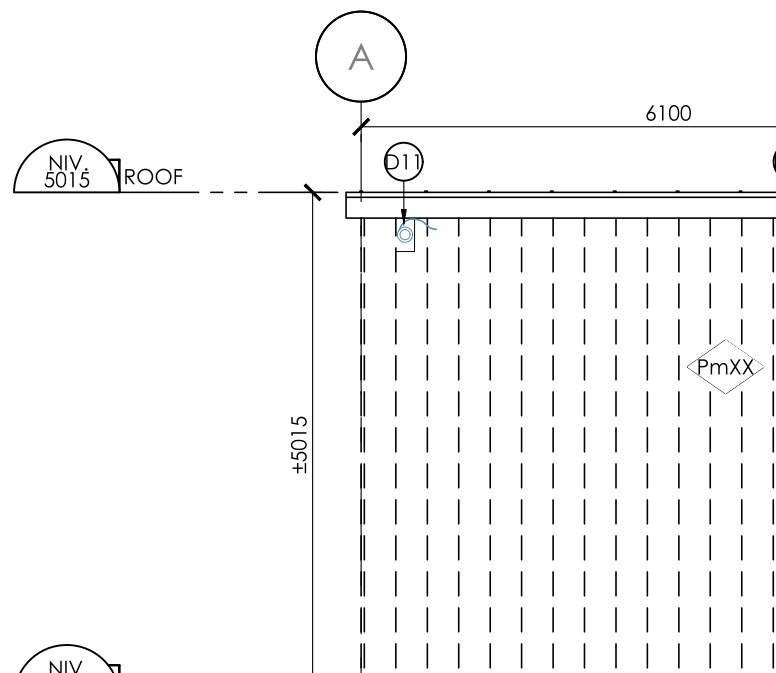
- D7 CLEANING AND PREPARING FLOOR TO RECEIVE PAINT
- D8 MECHANICAL EQUIPMENT TO BE REMOVED (SEE MECHANICAL)
- D9 EXTERIOR WALL TO BE DEMOLISHED PARTIALLY : EXTERIOR METAL CLADDING AND INSULATION TO BE BE DEMOLISHED (SEE DETAIL MG-A057)
- D10 EXTERIOR WALL TO BE DEMOLISHED PARTIALLY : EXTERIOR METAL CLADDING
- D11 ELECTRICAL EQUIPMENT TO BE REMOVED BEFORE WORK AND REINSTALLED AFTER (SEE ELECTRICAL)
- D12 METAL FLASHING TO BE REMOVED BEFORE WORK AND REINSTALLED





LEGEND - DEMOLITION

EXISTING FENCE

E.L. EXISTING EXTERIOR LIGHTING

M ELECTRIC METER

MATERIAL LEGEND:

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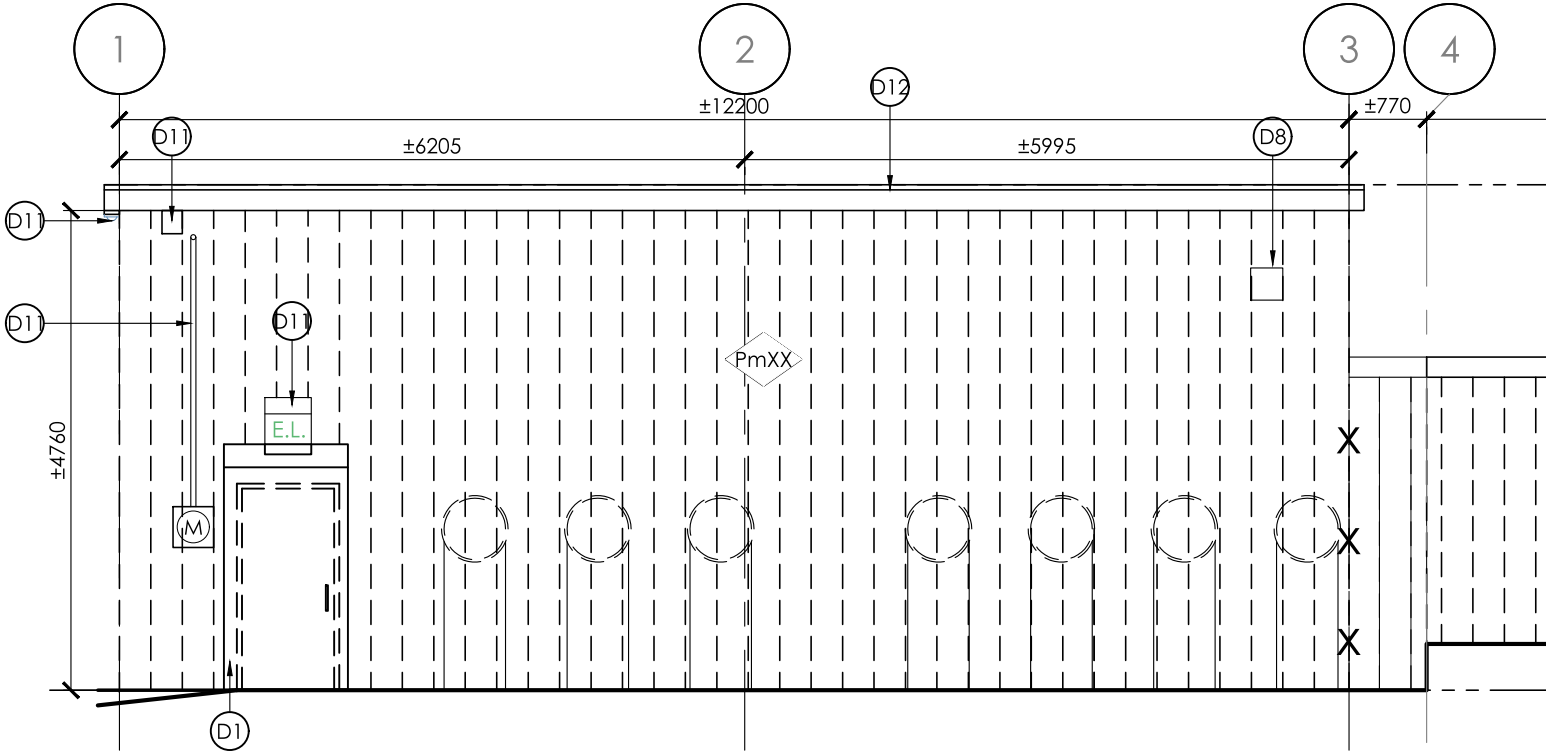

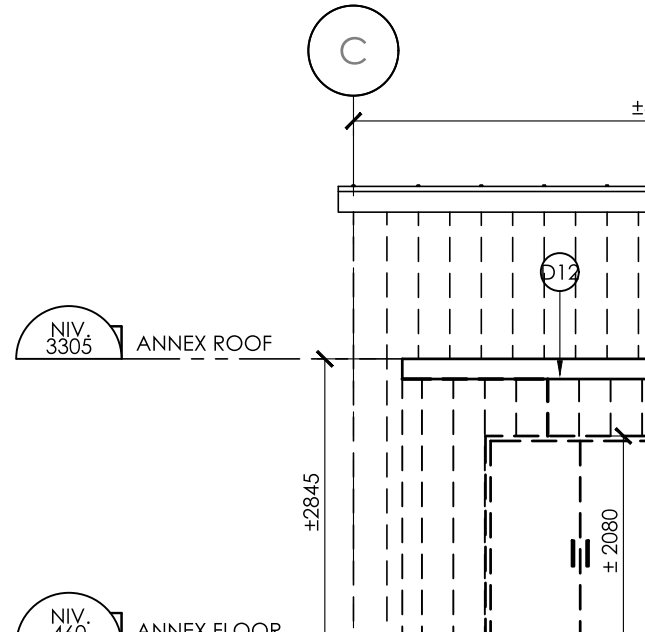

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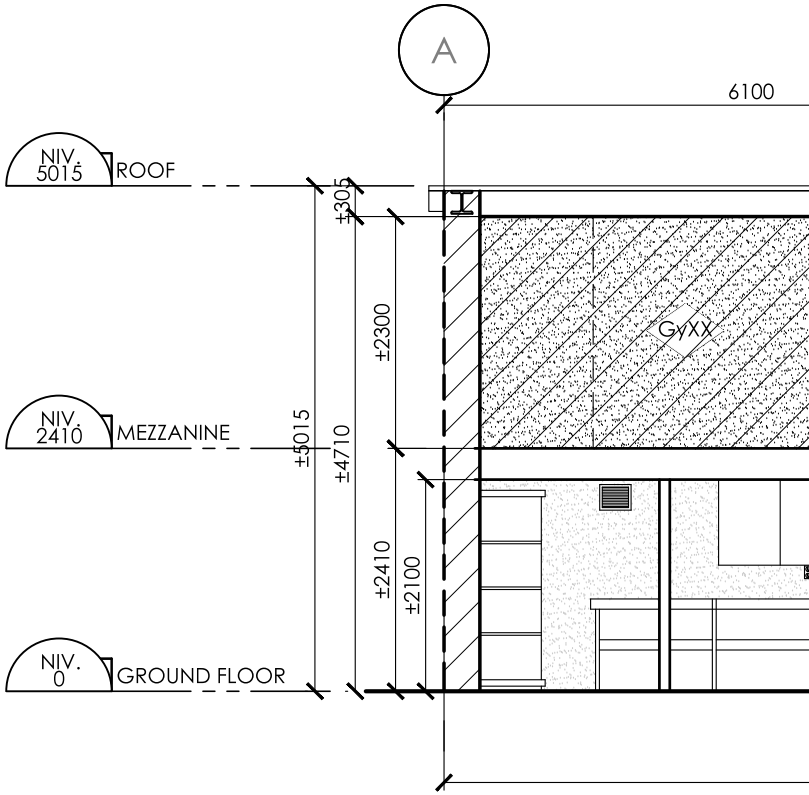
- D7 CLEANING AND PREPARING FLOOR TO RECEIVE PAINT
- D8 MECHANICAL EQUIPMENT TO BE REMOVED (SEE MECHANICAL)



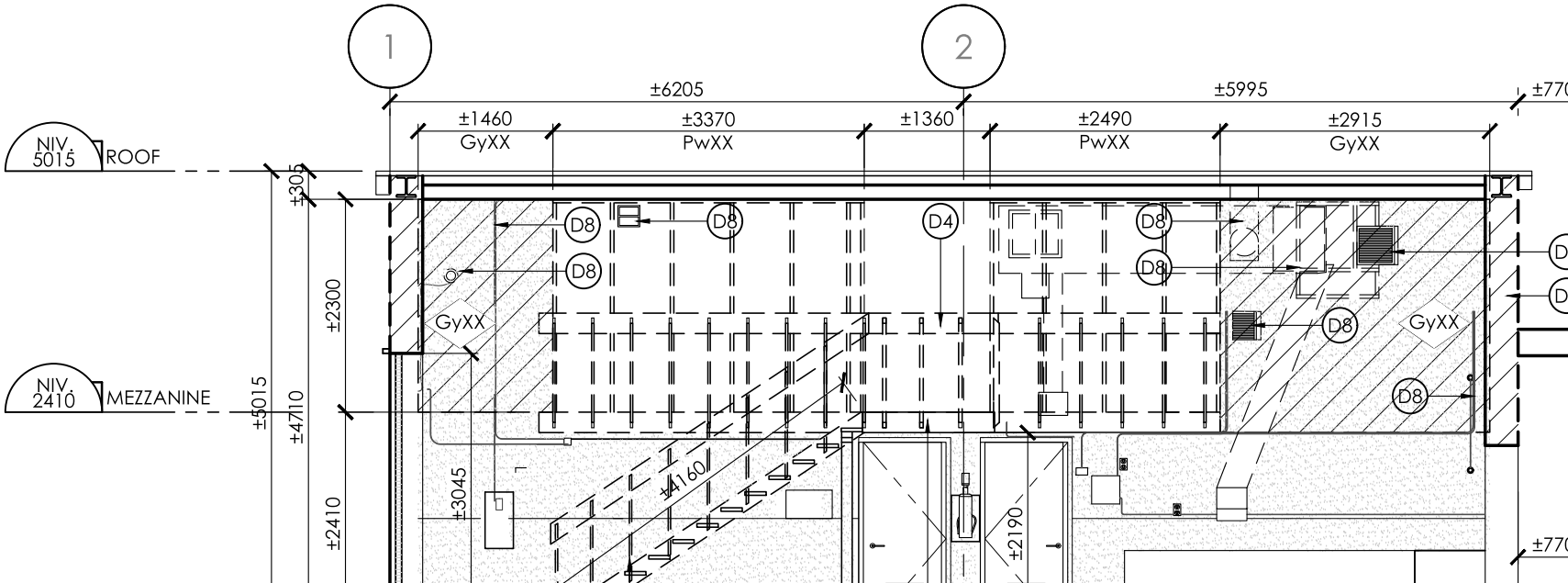
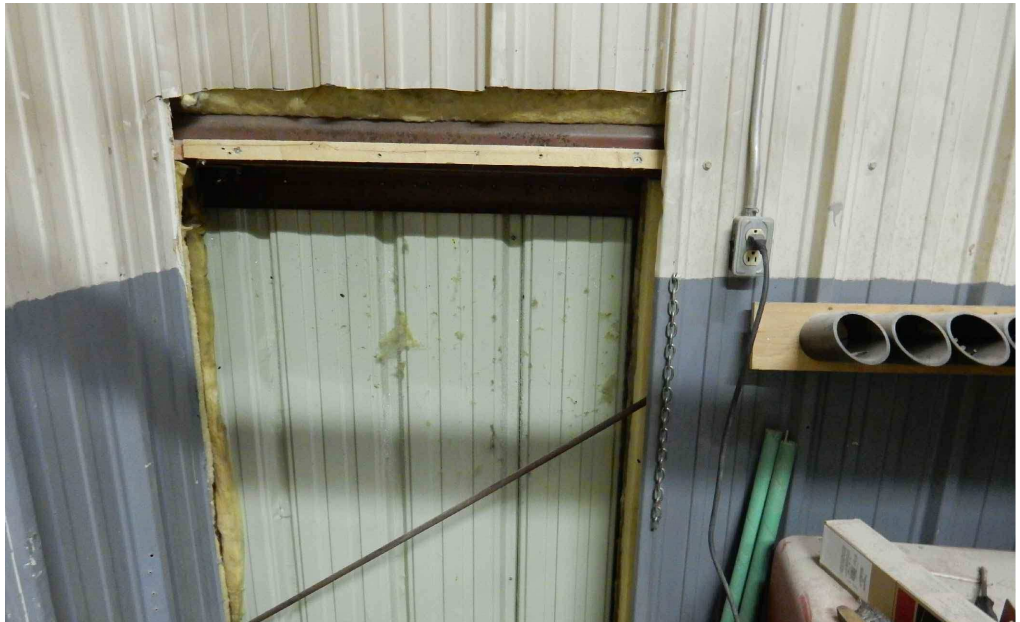


PHOTO 2
CLOSE UP PHOTO OF EXPLORATORY OPENING



LEGEND - CONSTRUCTION

EXISTING TO REMAIN

GUARDRAIL H=1070mm

EXISTING DOOR TO REMAIN

DOUBLE DOOR

SIMPLE DOOR

100 TYP. 1015 TYP. INTERIOR DOOR

XXX-000

EXIT SIGN

MATERIAL LEGEND:

- Pa01 PAINTED WOOD FLOOR
- Ep01 EPOXY FLOOR
- Pw01 PAINTED PLYWOOD 16 mm
- Pw02 PAINTED PLYWOOD 12,7 mm
- Pm01 METAL CLADDING
- Pm02 EXISTING METAL CLADDING TO PRESERVE
- Gy01 EXISTING GYPSUM TO PAINT

GENERAL CONSTRUCTION NOTES:

1. FOLLOWING THE DEMOLITION WORK, ENSURE THE ADJACENT SURFACES REPARATION (FLOORS, WALLS, PARTITIONS, CEILING AND OTHERS).
2. PROVIDE AND INSTALL THE SOLID BACKING NECESSARY FOR THE INSTALLATION OF THE FOLLOWING COMPONENTS : SANITARY ACCESSORIES, INTEGRATED FURNITURE, ETC.
3. APPLY AN APPROPRIATE SEALANT TO ALL THE JOINTS OF WALLS OF DIFFERENTS TYPES, WHETHER IN THE SAME PLAN OR INTO TWO PERPENDICULAR PLANS, TO ENSURE THE COMPLETE INTEGRITY OF THE WALL BETWEEN THEM.

SPECIFIC CONSTRUCTION NOTES:

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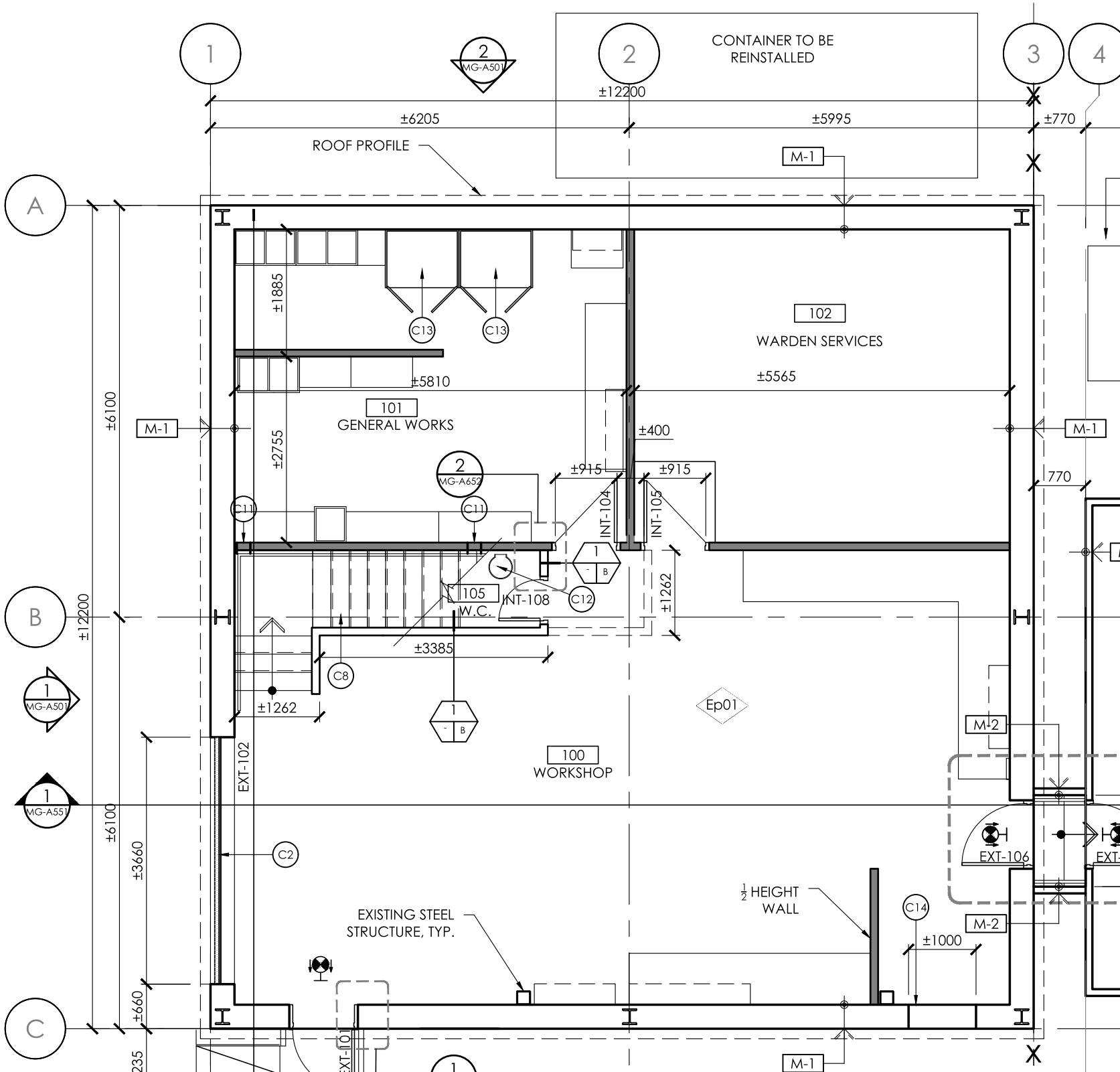
- C5 CHAINED FENCE
- C6 FIXED HIGH STORAGE. HEIGHT : 2115 mm - DÉTAIL 1/MG-A904
- C7 FIXED LOW STORAGE. HEIGHT : 915 mm - DÉTAIL 2/MG-A904
- C8 WOOD STAIR



LEGEND - CONSTRUCTION

EXISTING TO REMAIN

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EXISTING DOOR TO REMAIN

DOUBLE DOOR

SIMPLE DOOR

100 TYP. 1015 TYP. INTERIOR DOOR

XXX-000

EXIT SIGN

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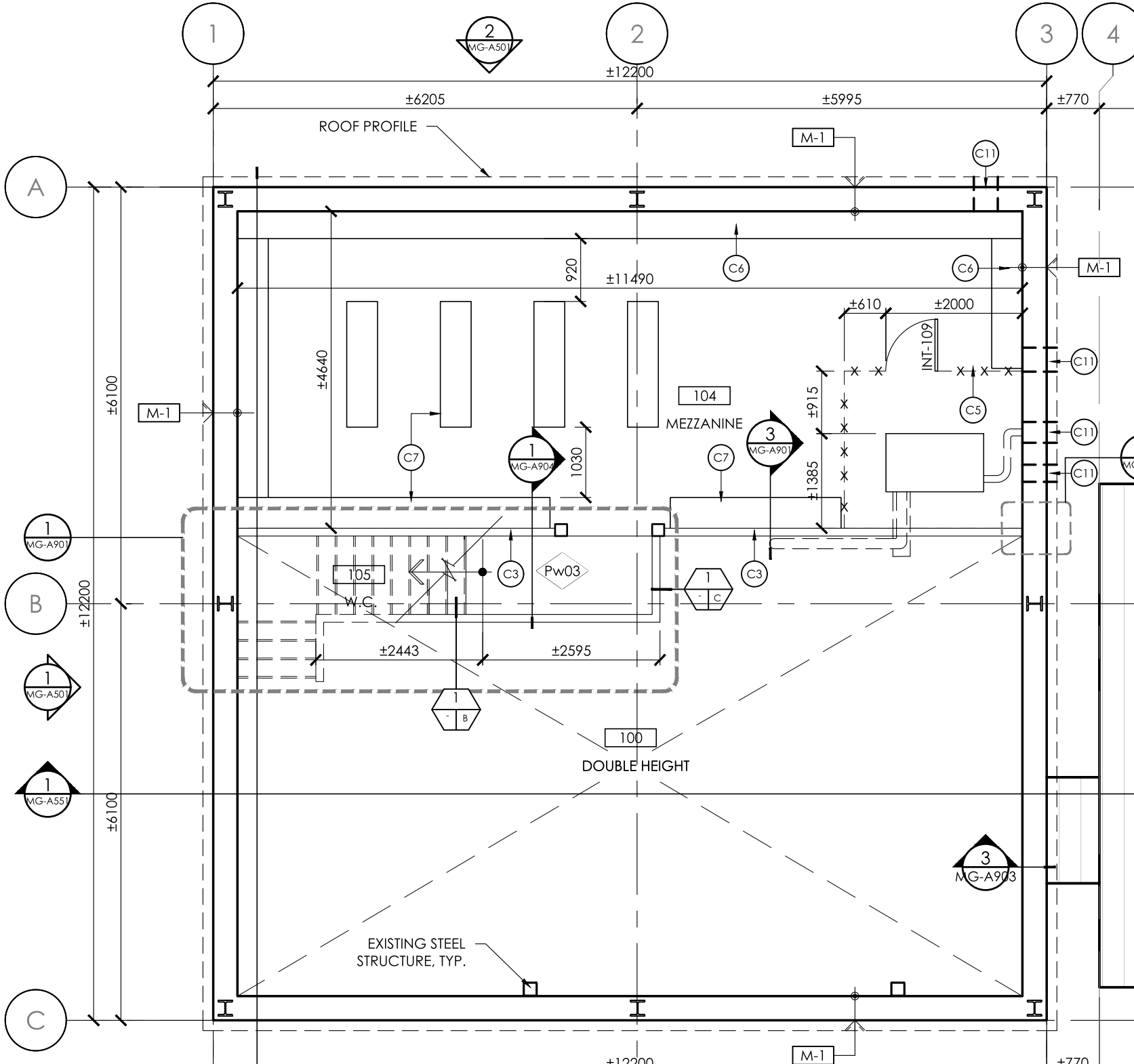

LEGEND - CONSTRUCTION

EXISTING TO REMAIN

GUARDRAIL H=1070mm

EXISTING DOOR TO REMAIN

DOUBLE DOOR

SIMPLE DOOR

100 TYP. 1015 TYP. INTERIOR DOOR

XXX-000

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- Pm02 EXISTING METAL CLADDING TO PRESERVE
- Gy01 EXISTING GYPSUM TO PAINT

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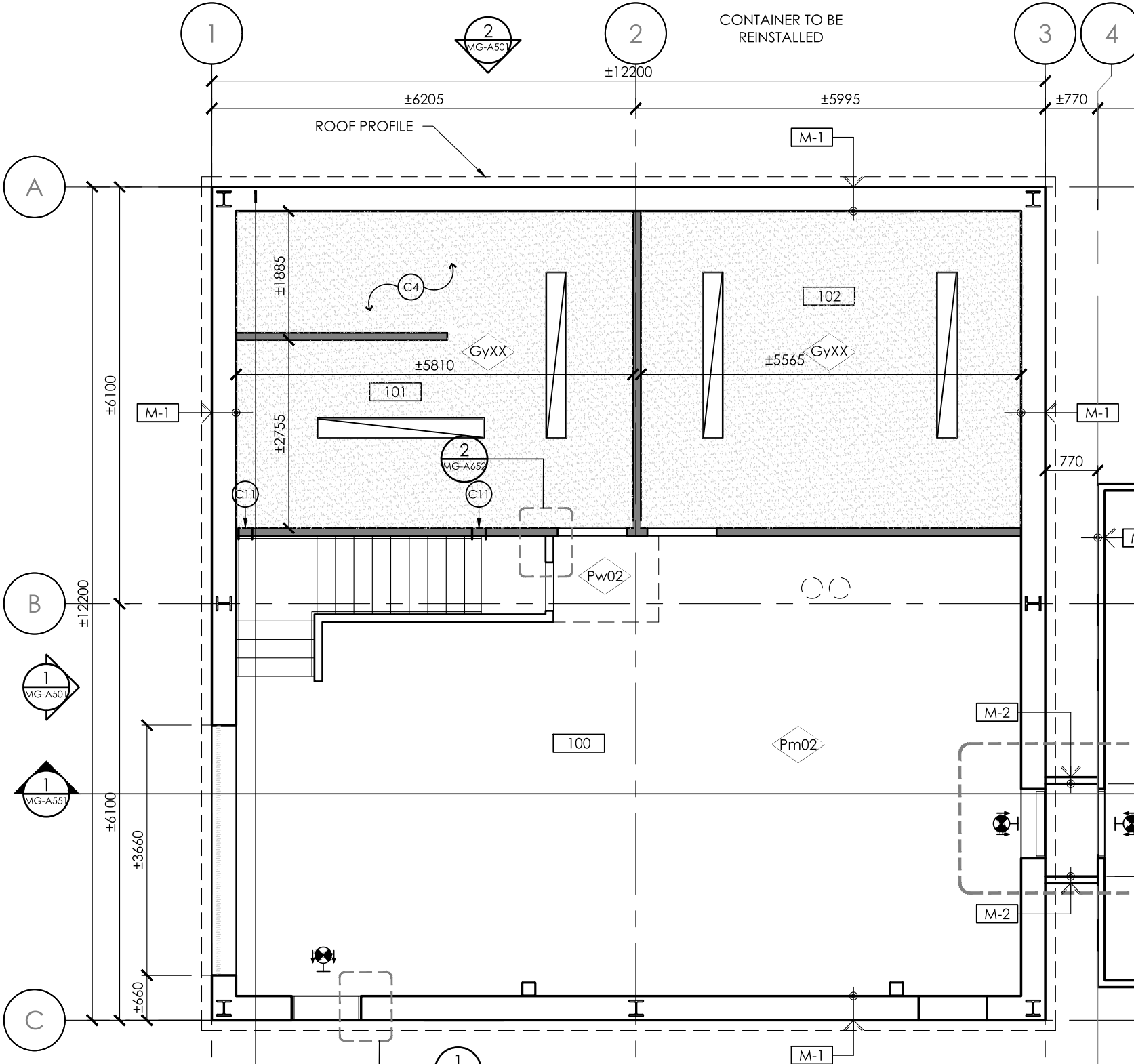

LEGEND - CONSTRUCTION

- EXISTING FENCE
- E.L. EXISTING EXTERIOR LIGHTING
- N.L EXTERIOR LIGHTING
- (M) ELECTRIC METER

MATERIAL LEGEND:

- Pa01 PAINTED WOOD FLOOR
- Ep01 EPOXY FLOOR
- Pm01 METAL CLADDING
- Pw01 PAINTED PLYWOOD
- Sm01 METAL FLASHING
- Pm02 EXISTING METAL CLADDING TO PRESERVE

GENERAL CONSTRUCTION NOTES:

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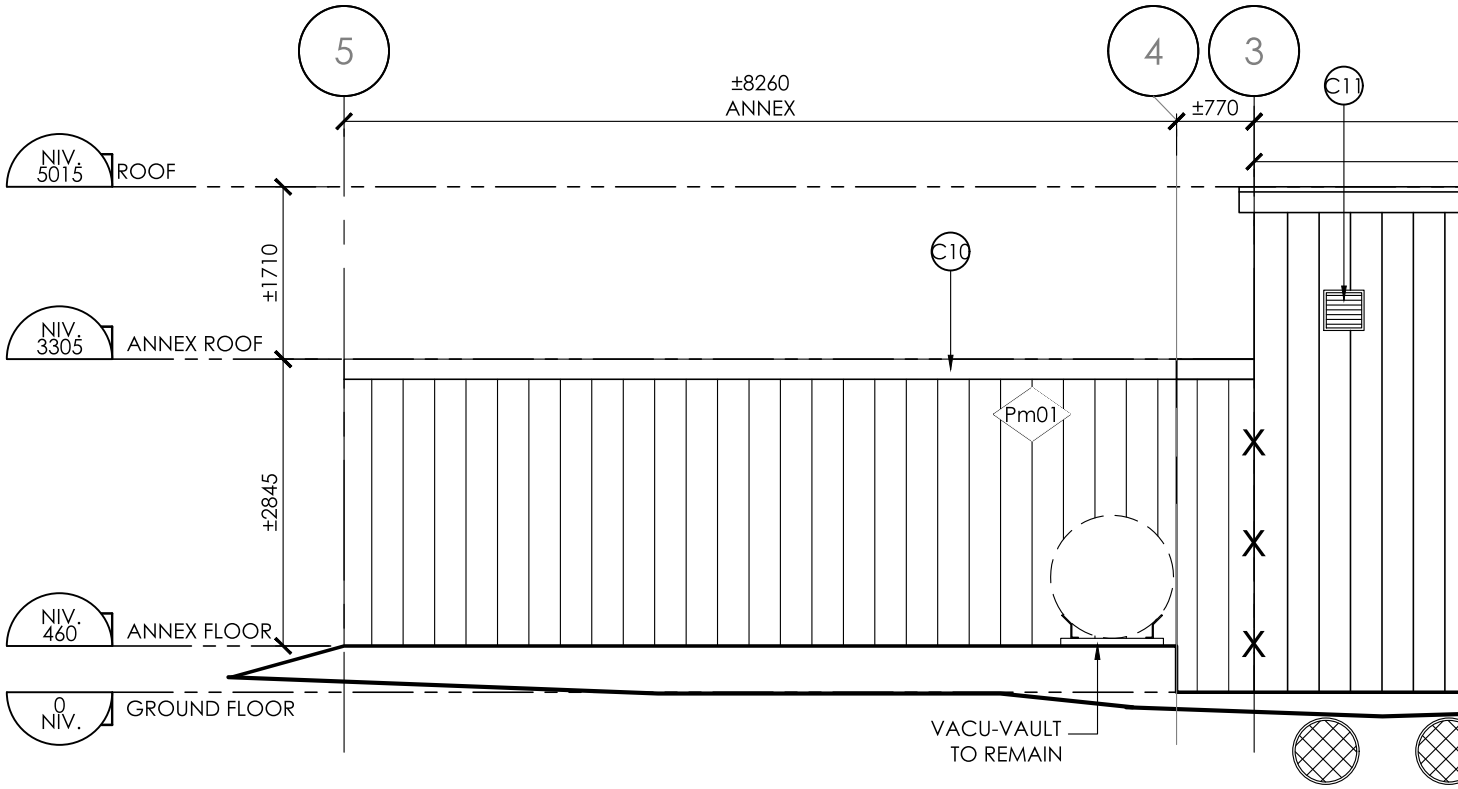
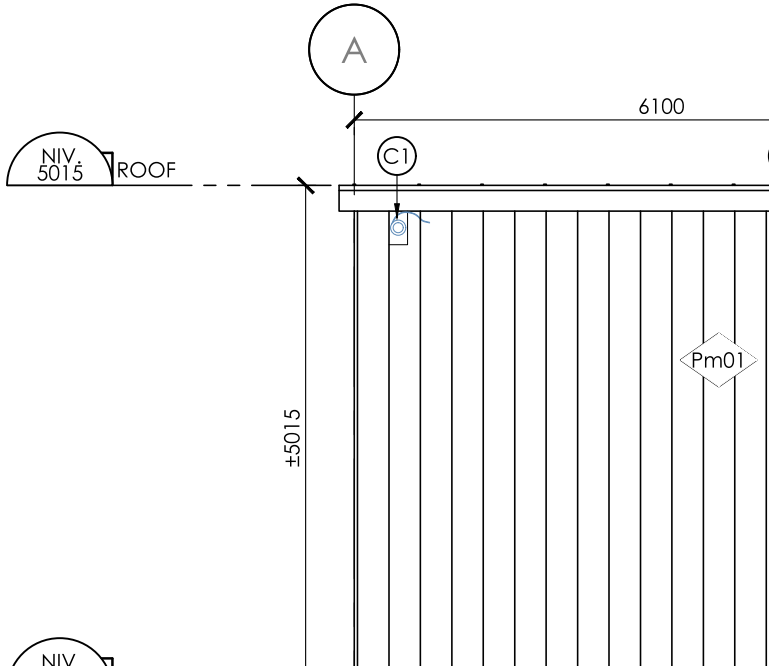
- C8 WOOD STAIR
- C9 STAIR STRINGERS
- C10 METAL FLASHING TO BE REINSTALLED
- C11 MECHANICAL EQUIPMENT (SEE MECHANICAL)





LEGEND - CONSTRUCTION

EXISTING FENCE

E.L. EXISTING EXTERIOR LIGHTING

N.L EXTERIOR LIGHTING

M ELECTRIC METER

MATERIAL LEGEND:

- Pa01 PAINTED WOOD FLOOR
- Ep01 EPOXY FLOOR
- Pm01 METAL CLADDING
- Pw01 PAINTED PLYWOOD
- Sm01 METAL FLASHING
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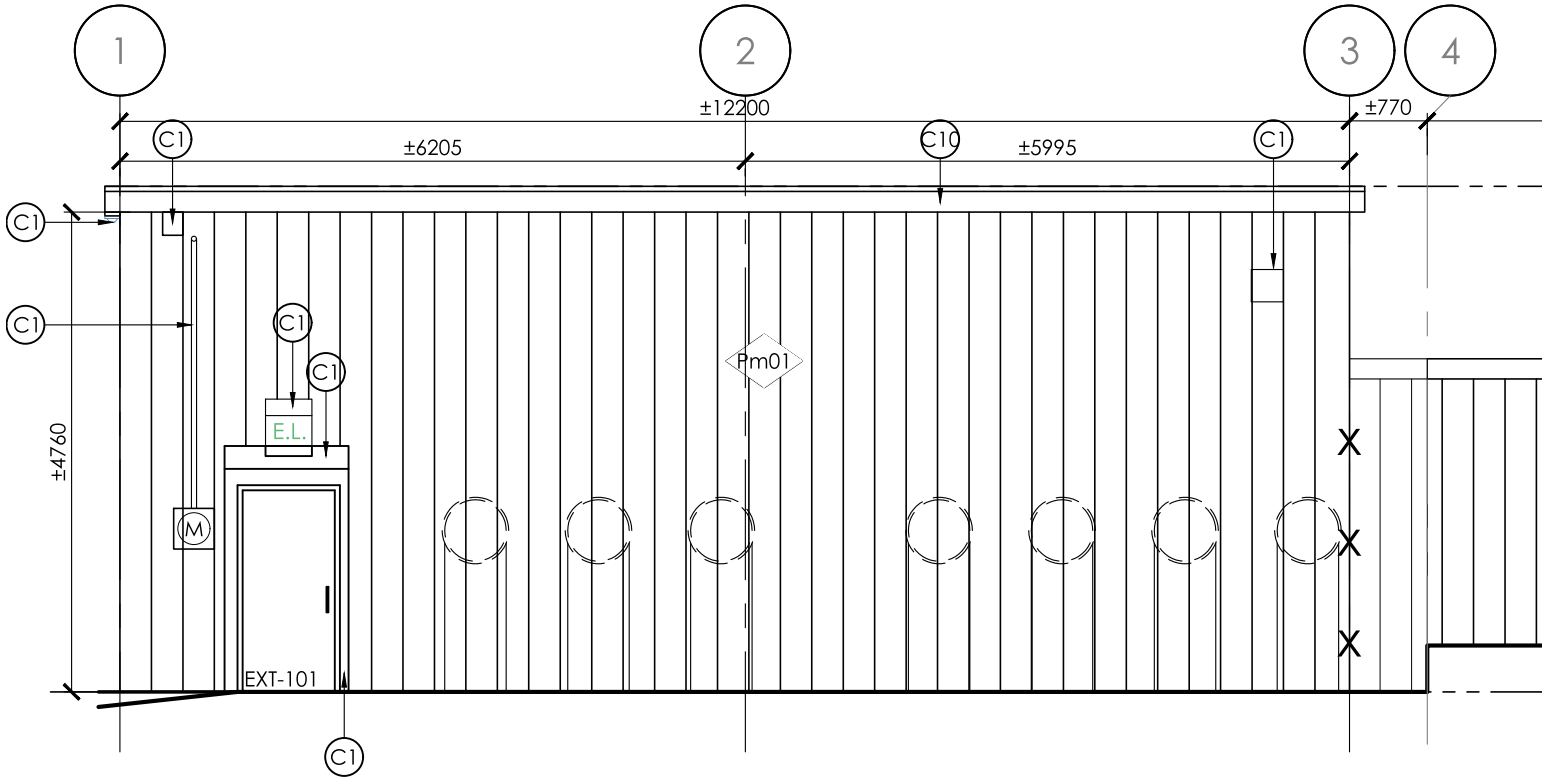

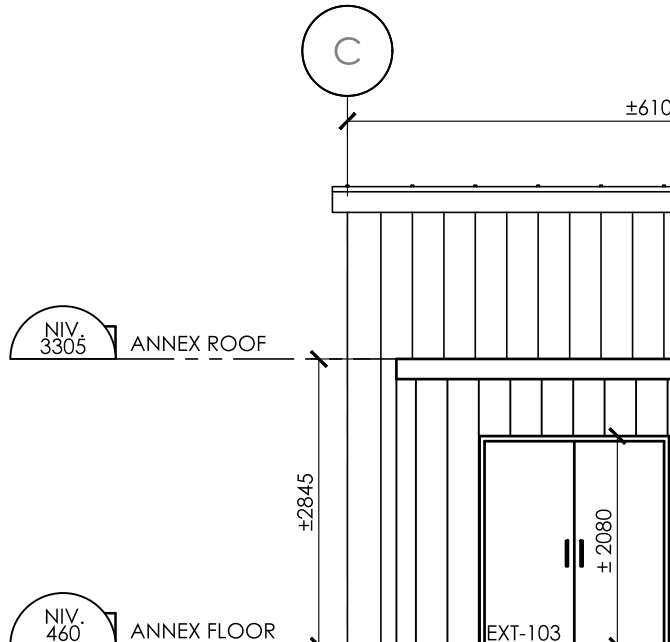

LEGEND - CONSTRUCTION

EXISTING TO REMAIN

GUARDRAIL H=1070mm

EXISTING DOOR TO REMAIN

DOUBLE DOOR

SIMPLE DOOR

100 TYP. 1015 TYP. INTERIOR DOOR

XXX.000

EXIT SIGN

MATERIAL LEGEND:

- Pa01 PAINTED WOOD FLOOR
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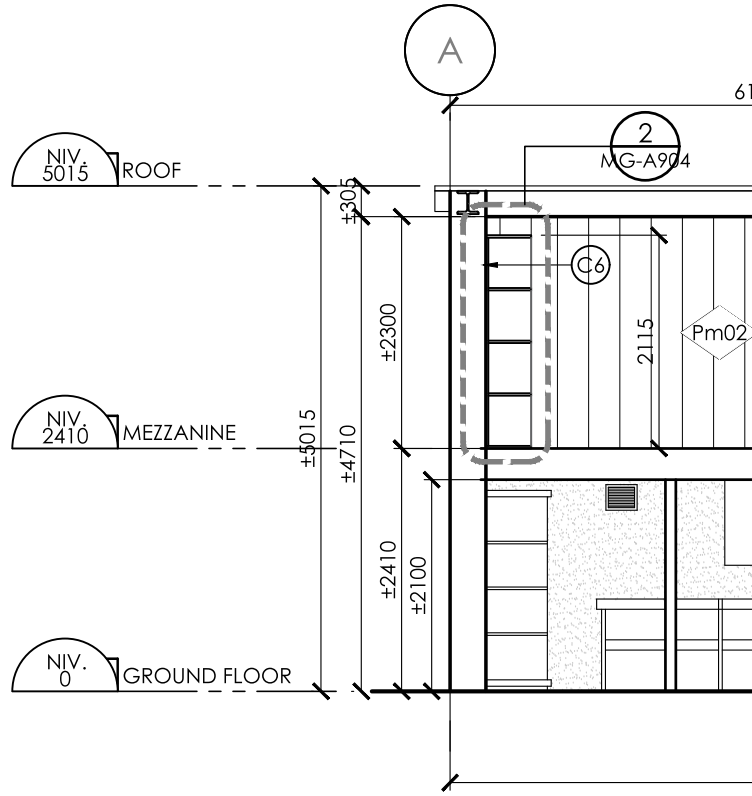

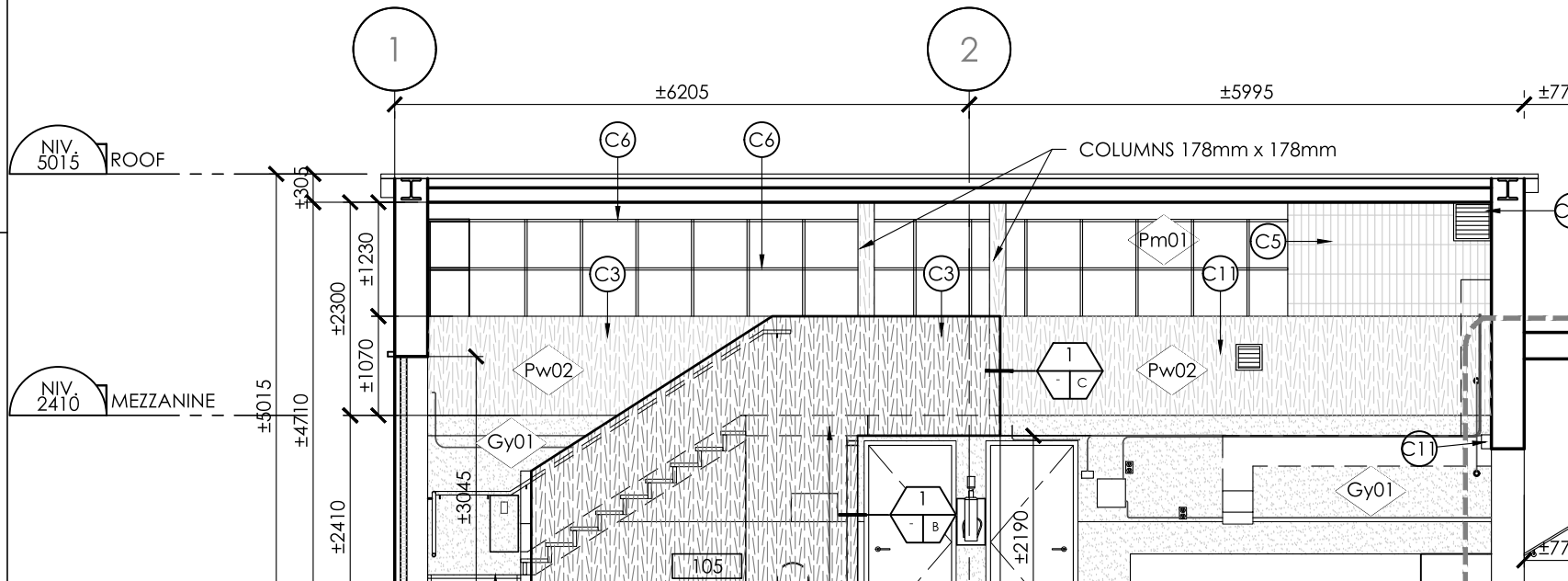

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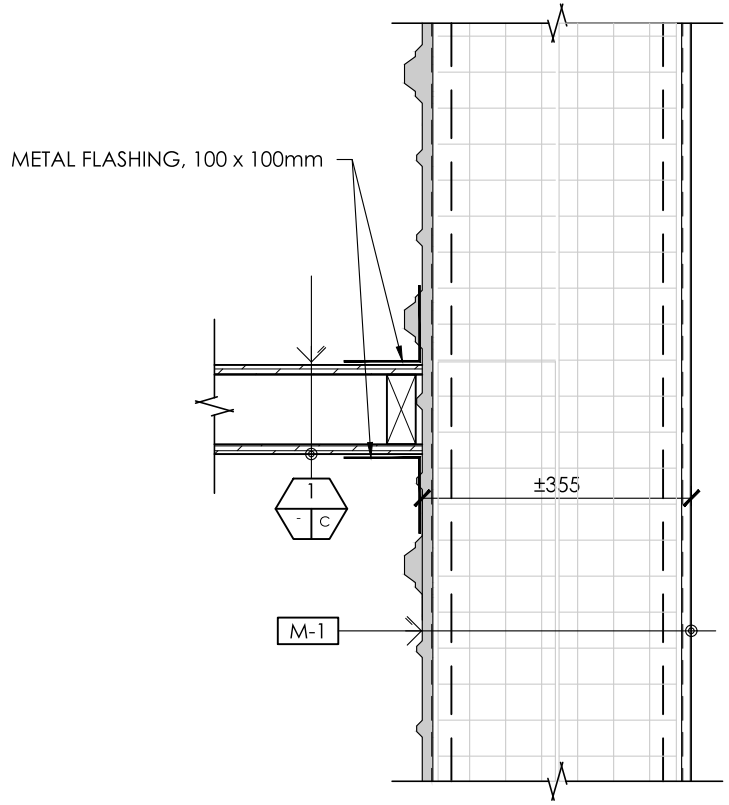

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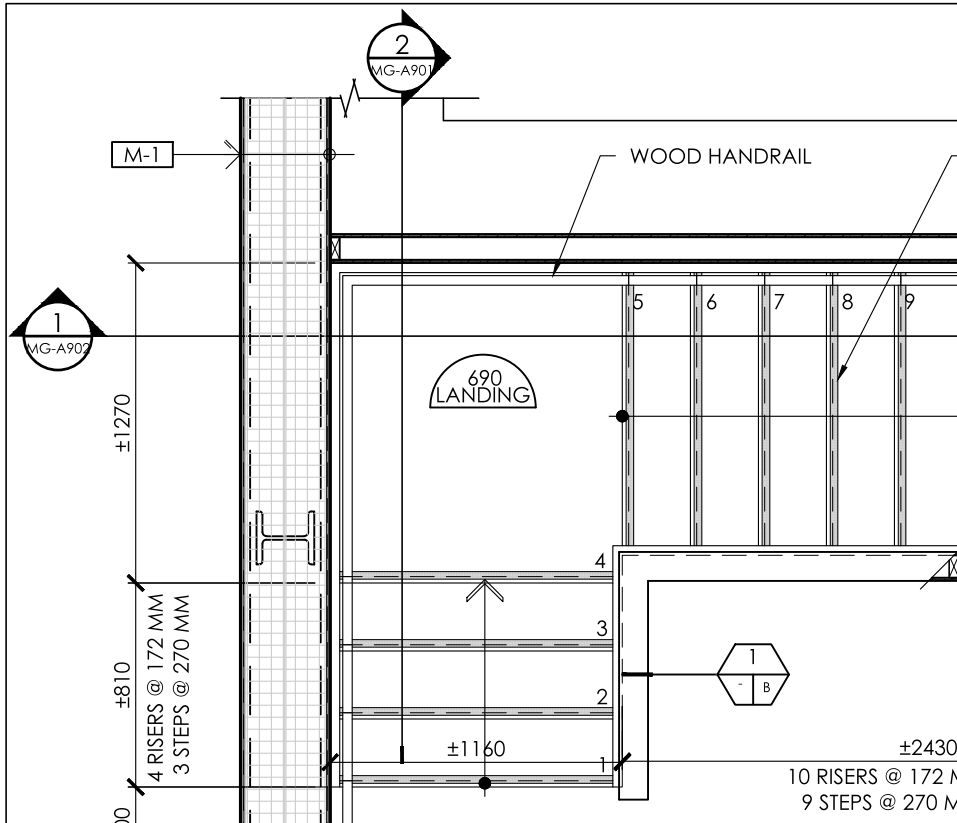

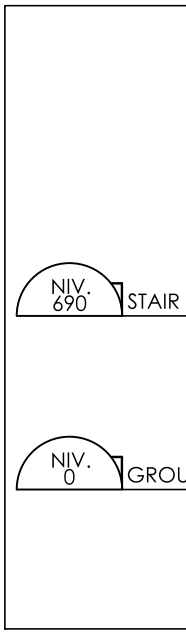

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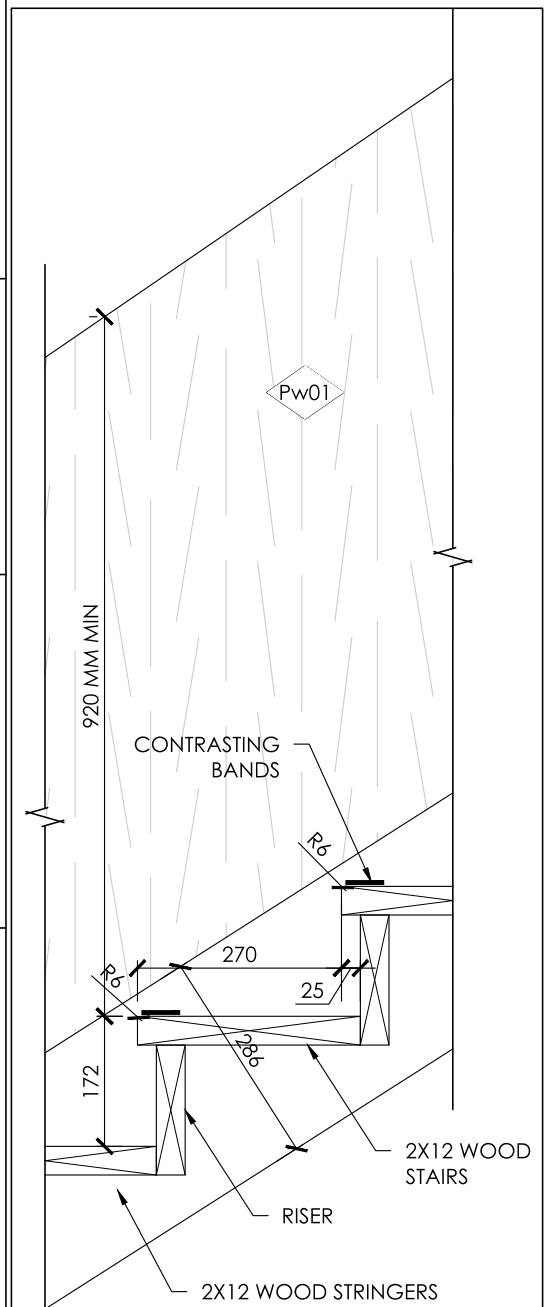

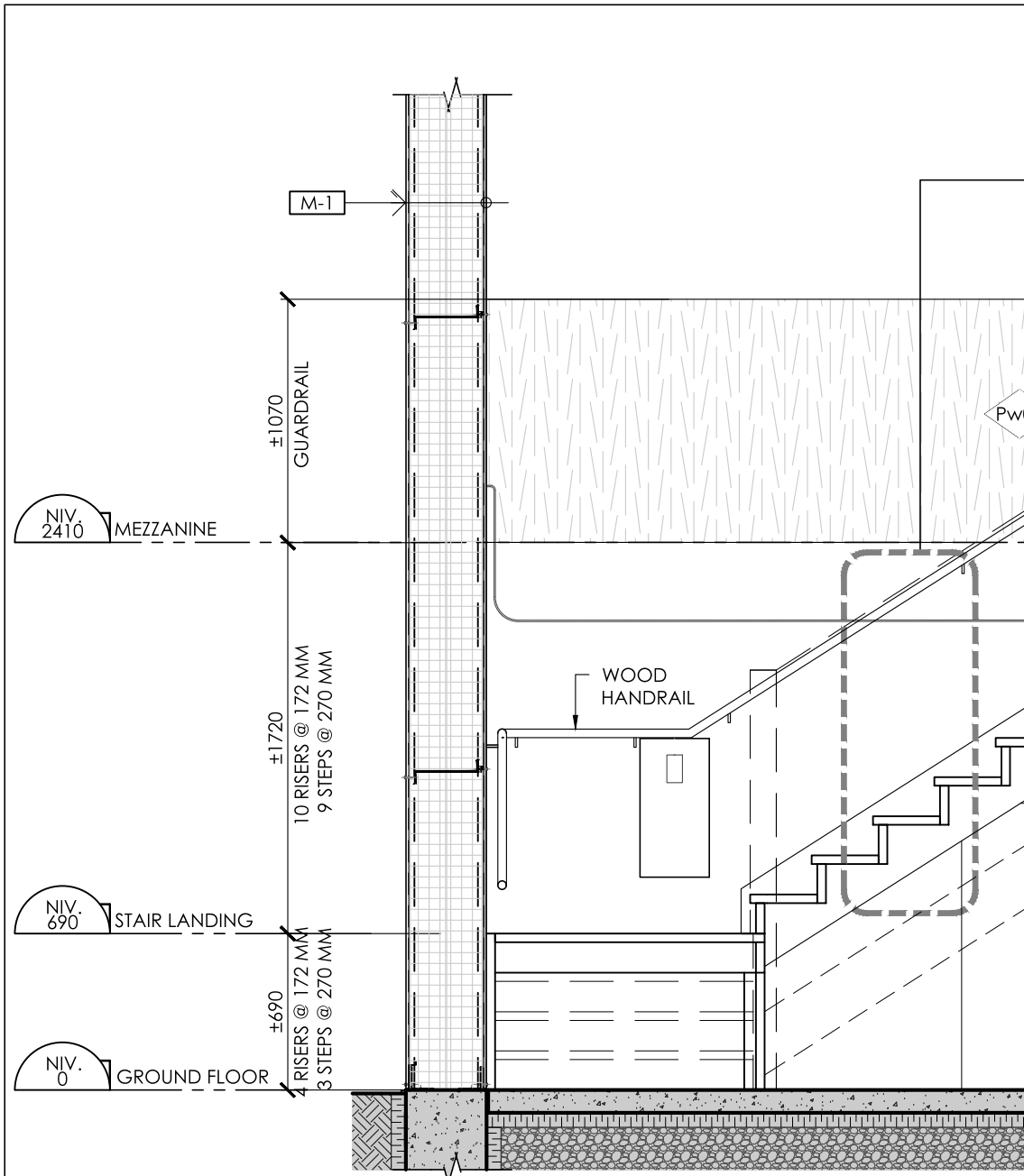

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MATERIAL LEGEND:

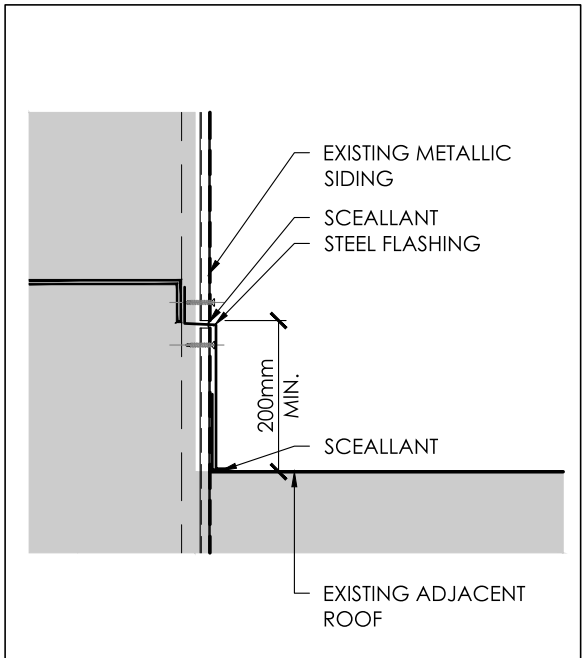
- Pa01 PAINTED WOOD FLOOR
- Ep01 EPOXY FLOOR
- Pw01 PAINTED PLYWOOD 16 mm
- Pw02 PAINTED PLYWOOD 12,7 mm
- Pm01 METAL CLADDING
- Pm02 EXISTING METAL CLADDING TO PRESERVE
- Gy01 EXISTING GYPSUM TO PAINT

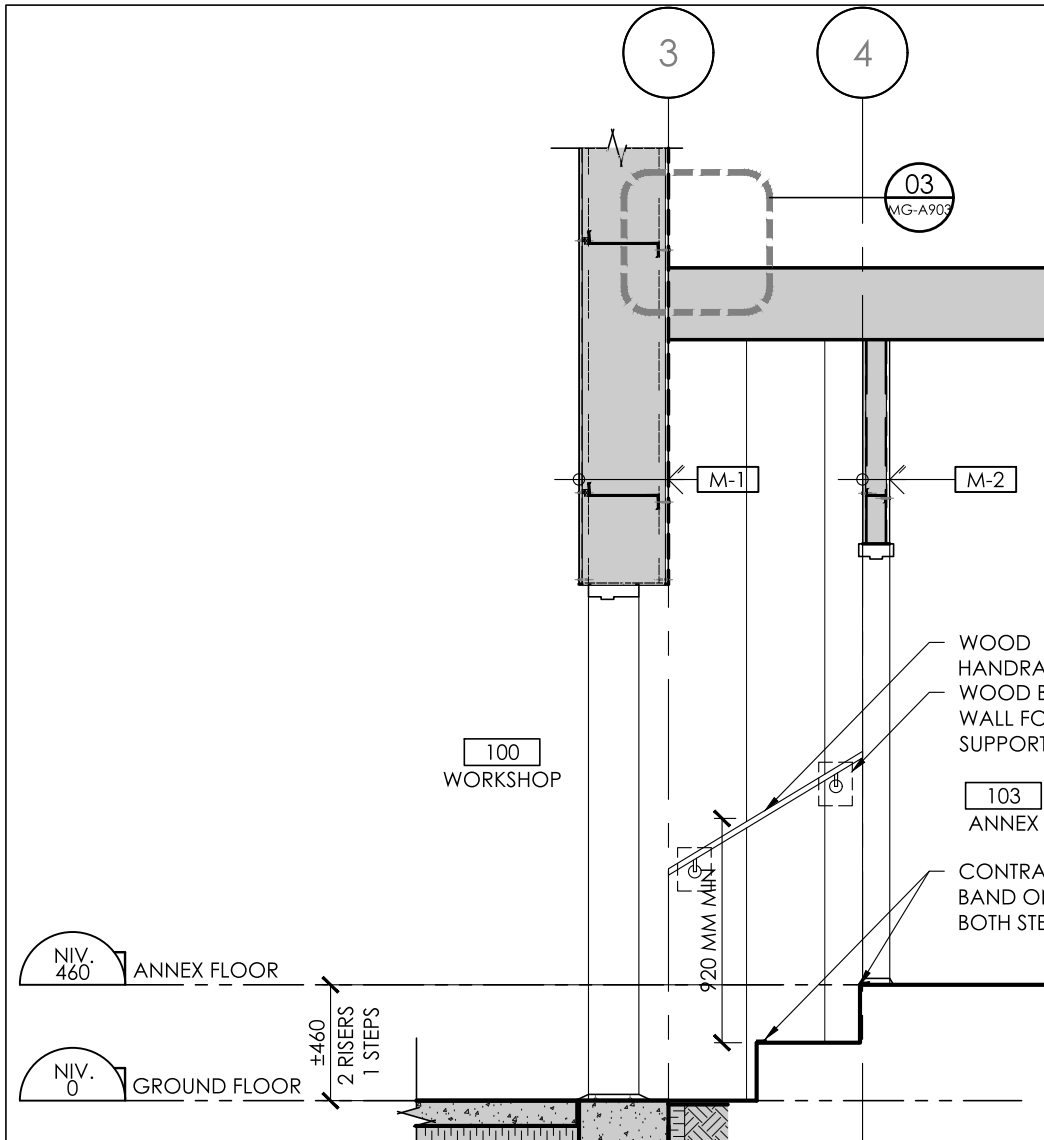
GENERAL CONSTRUCTION NOTES:

1. FOLLOWING THE DEMOLITION WORK, ENSURE THE ADJACENT SURFACES REPARATION (FLOORS, WALLS, PARTITIONS, CEILING AND OTHERS).
2. PROVIDE AND INSTALL THE SOLID BACKING NECESSARY FOR THE INSTALLATION OF THE FOLLOWING COMPONENTS : SANITARY ACCESSORIES, INTEGRATED FURNITURE, ETC.
3. APPLY AN APPROPRIATE SEALANT TO ALL THE JOINTS OF WALLS OF DIFFERENTS TYPES, WHETHER IN THE SAME PLAN OR INTO TWO PERPENDICULAR PLANS, TO ENSURE THE COMPLETE INTEGRITY OF THE WALL BETWEEN THEM.

SPECIFIC CONSTRUCTION NOTES:

- C1 ITEM TO BE REMOVED BEFORE WORK AND REINSTALL AFTER
- C2 WEATHERSTRIP (COLD CUTTER) : PVC EXTRUSION FOR DOOR 44mm, RUBBER 121 MM.
- C3 GUARDRAIL ALONG THE MEZZANINE. HEIGHT: 1070 mm
- C4 CEILING TO BE REPAIRED AND REPAINTED
- C5 CHAINED FENCE
- C6 FIXED HIGH STORAGE. HEIGHT : 2115 mm - DÉTAIL 1/MG-A904
- C7 FIXED LOW STORAGE. HEIGHT : 915 mm - DÉTAIL 2/MG-A904
- C8 WOOD STAIR





LEGEND - CONSTRUCTION

EXISTING TO REMAIN

GUARDRAIL H=1070mm

EXISTING DOOR TO REMAIN

DOUBLE DOOR

SIMPLE DOOR

100 TYP. 1015 TYP. INTERIOR DOOR

XXX-000

EXIT SIGN

MATERIAL LEGEND:

- Pa01 PAINTED WOOD FLOOR
- Ep01 EPOXY FLOOR
- Pw01 PAINTED PLYWOOD 16 mm
- Pw02 PAINTED PLYWOOD 12,7 mm
- Pm01 METAL CLADDING
- Pm02 EXISTING METAL CLADDING TO PRESERVE
- Gy01 EXISTING GYPSUM TO PAINT

GENERAL CONSTRUCTION NOTES:

1. FOLLOWING THE DEMOLITION WORK, ENSURE THE ADJACENT SURFACES REPARATION (FLOORS, WALLS, PARTITIONS, CEILING AND OTHERS).
2. PROVIDE AND INSTALL THE SOLID BACKING NECESSARY FOR THE INSTALLATION OF THE FOLLOWING COMPONENTS : SANITARY ACCESSORIES, INTEGRATED FURNITURE, ETC.
3. APPLY AN APPROPRIATE SEALANT TO ALL THE JOINTS OF WALLS OF DIFFERENTS TYPES, WHETHER IN THE SAME PLAN OR INTO TWO PERPENDICULAR PLANS, TO ENSURE THE COMPLETE INTEGRITY OF THE WALL BETWEEN THEM.

SPECIFIC CONSTRUCTION NOTES:

- C1 ITEM TO BE REMOVED BEFORE WORK AND REINSTALL AFTER
- C2 WEATHERSTRIP (COLD CUTTER) : PVC EXTRUSION FOR DOOR 44mm, RUBBER 121 MM.
- C3 GUARDRAIL ALONG THE MEZZANINE. HEIGHT: 1070 mm
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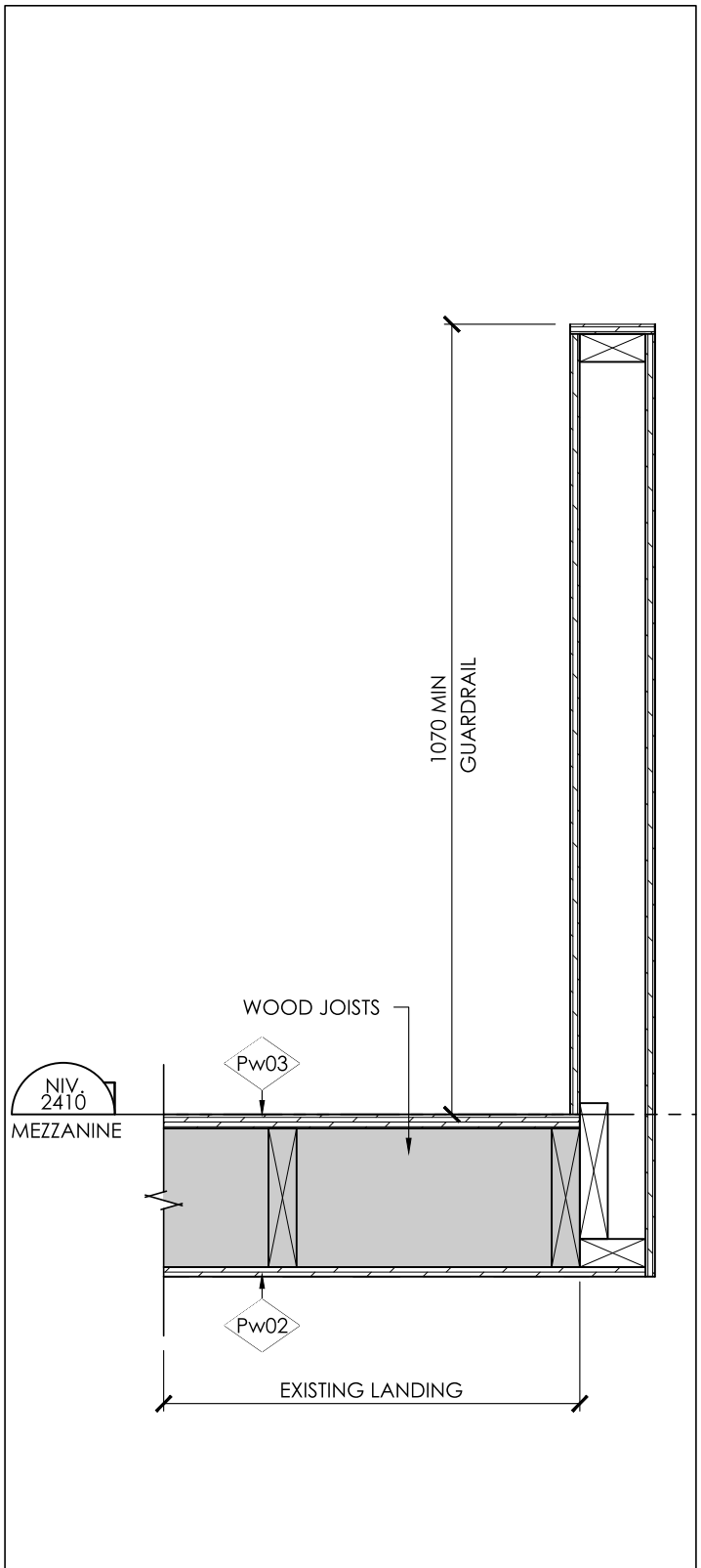
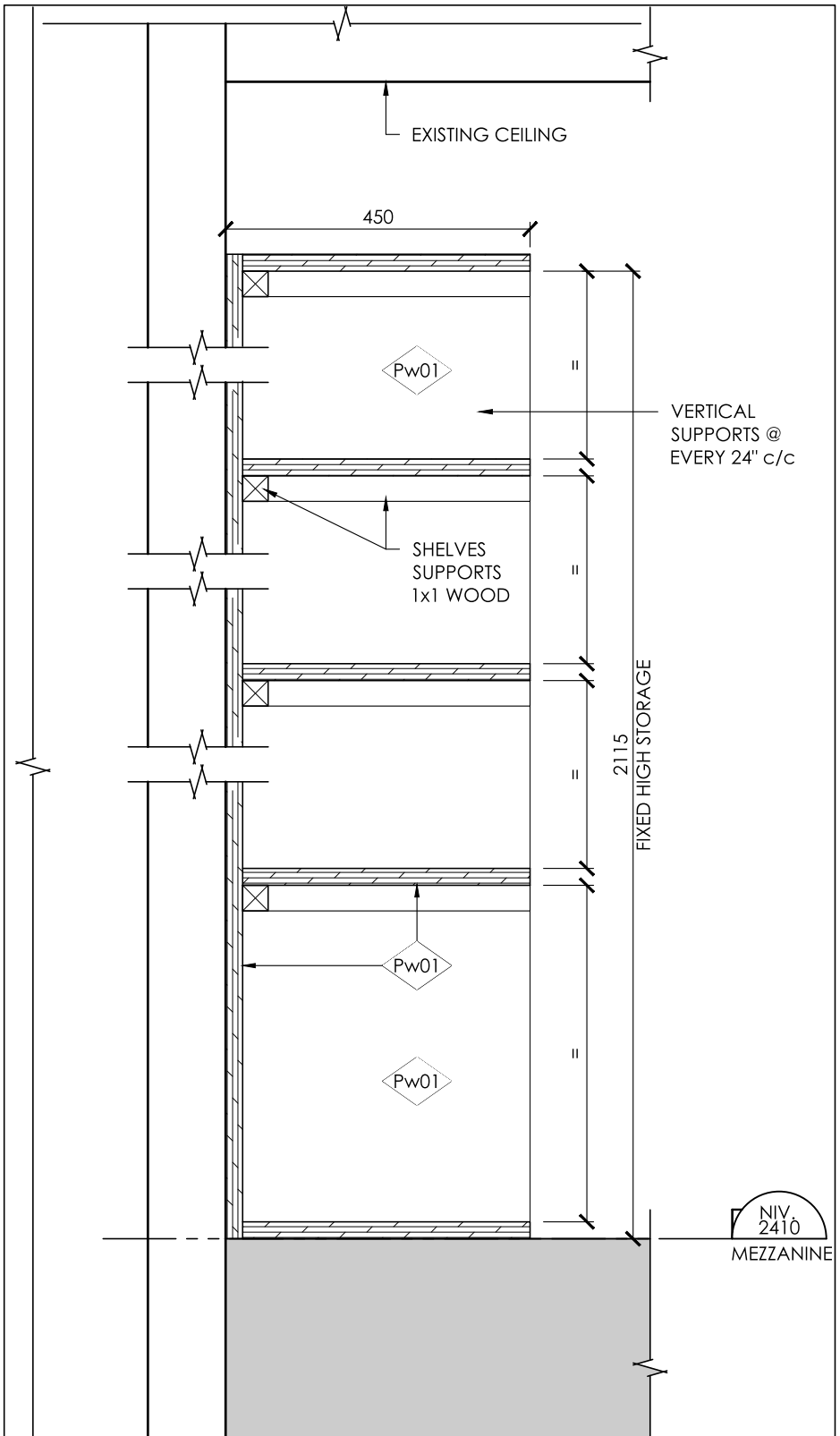
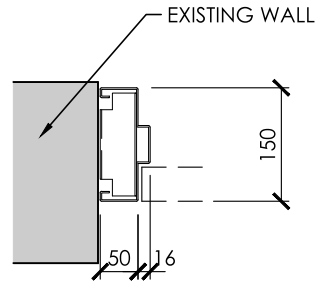
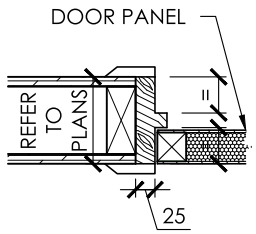
- C5 CHAINED FENCE
- C6 FIXED HIGH STORAGE. HEIGHT : 2115 mm - DÉTAIL 1/MG-A904
- C7 FIXED LOW STORAGE. HEIGHT : 915 mm - DÉTAIL 2/MG-A904
- C8 WOOD STAIR
- C9 STAIR BEARING







FRAME TYPE Fr01



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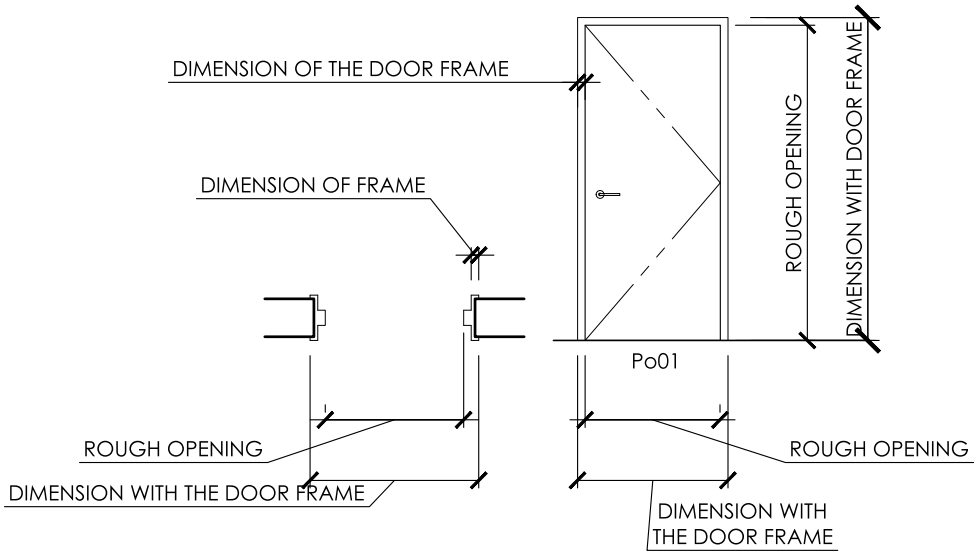


FINISHES

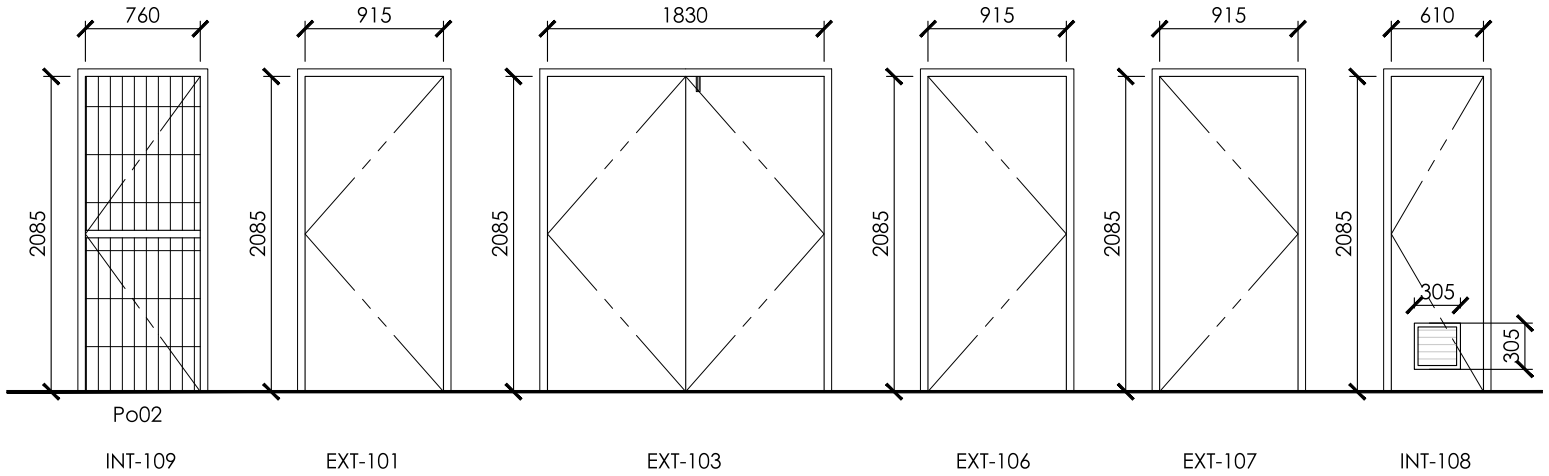
LOCAL #	LOCAL NAME	FLOOR
100	WORKSHOP	TIGER DRYLAC, POWDER C
101	GENERAL WORKS	EXISTING FLOOR
102	WARDEN SERVICES	EXISTING FLOOR
103	ANNEX	WOOD FLOOR PAINTING
104	MEZZANINE	EXISTING FLOOR
105	W.C.	TIGER DRYLAC, POWDER C
-	STAIRCASE / GUARDRAIL AND HANDRAIL	WOOD FLOOR PAINTING

DOOR AND F

DOOR #	ACTION		DOOR			DIMENSIONS		FRAME			
	FROM	TO	TYPE	MAT.	FINISH	WIDTH	HEIGHT	MAT.	FINISH	TYP.	
EXT-101	EXT	100	Po01	STL	Pa	915	2085	STL/WO	Pa	Fr01	
EXT-103	103	EXT	Po01	STL	Pa	915	2085	STL	Pa	Fr01	
EXT-106	100	103	Po01	STL	Pa	915	2085	STL	Pa	Fr01	
EXT-107	100	103	Po01	STL	Pa	915	2085	STL	Pa	Fr01	
INT-108	100	105	Po01	WO	Pa	610	2085	WO	Pa	Fr02	
INT-109	104	-	Po02	STL	Pa	760	2085	STL	Pa	-	

STL : STEEL WO : WOOD Pa: PAIN FINISH

DOOR ELEVATIONS



HARDW

FOR HARDWARE GROU
SPECIFICATIONS SECTIO

MAINTENANCE GARAGE AND FENCE REH

MAINTENANCE GARAGE
Pangnirtung, Nunavut

PCAU-04-02
PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 08TH 2019

DRAWING

MG-M000 - MECHANICAL TITLE PAGE
MG-M050 - DEMOLITION - MEZZANINE FLOOR PLAN
MG-M100 - GROUND FLOOR PLAN
MG-M110 - MEZZANINE FLOOR PLAN
MG-M400 - MECHANICAL - VENTILATION DIAGRAMS AND CONTROLS

GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING DEMOLITION.
SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

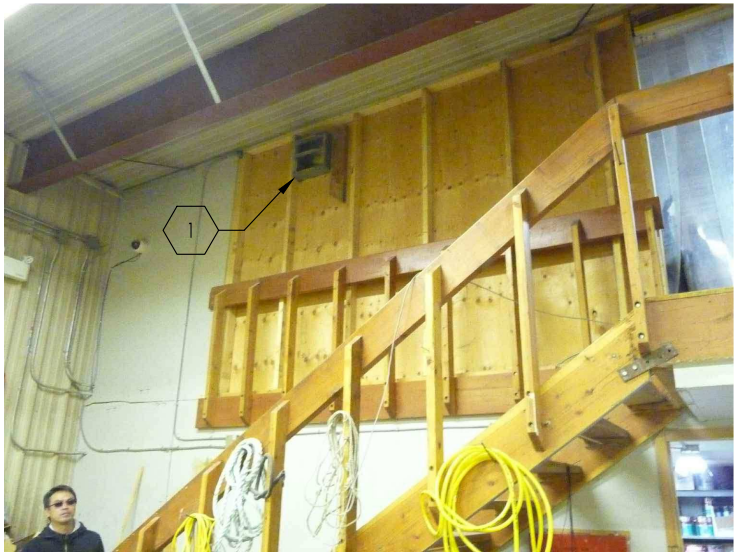
SPECIFIC NOTES:

1. EXISTING FANS TO BE DEMOLISHED.
2. EXISTING DUCT AND DIFFUSER TO BE DEMOLISHED.
3. EXISTING VENTILATION UNIT AND DUCTING TO BE DEMOLISHED.
4. EXISTING FURNACE AND DUCTWORK TO BE KEPT IN PLACE. WALLS OF THE FURNACE ROOM WILL BE DEMOLISHED AS PART OF THE ARCHITECTURAL SCOPE OF WORK. COORDINATE WITH ARCHITECTURAL SCOPE AND PROVIDE TEMPORARY DISMANTLING OF DUCTWORK IF REQUIRED.
5. EXISTING FURNACE EXHAUST TO BE UNISTALLED AND KEPT ASIDE FOR NEW INSTALLATION.

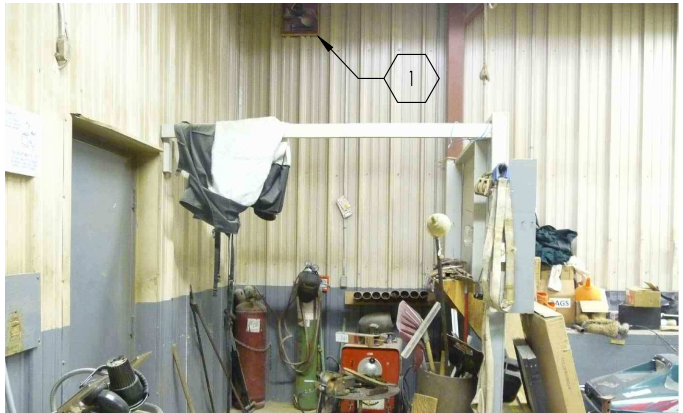
LEGEND

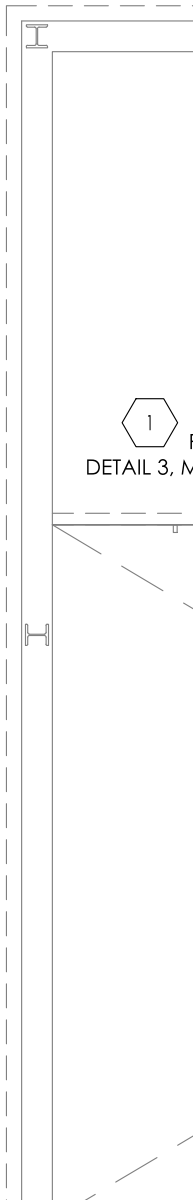
	SUPPLY DUCT
	RETURN OR EXHAUST DUCT
	SUPPLY DUCT AND RETURN DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
	DIFFUSER OR GRILLE INSTALL ON WALL OR ON THE SIDE
	DEMOLISHION LIMIT
	FLOW DIRECTION

NOTE :
ALL SYMBOLS ILLUSTRATED IN THIS LEGEND WILL NOT NECESSARILY BE USED FOR THIS PROJECT.



EXISTING FAN TO DEMOLISH 3
NONE MG-M050





GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING DEMOLITION.
SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

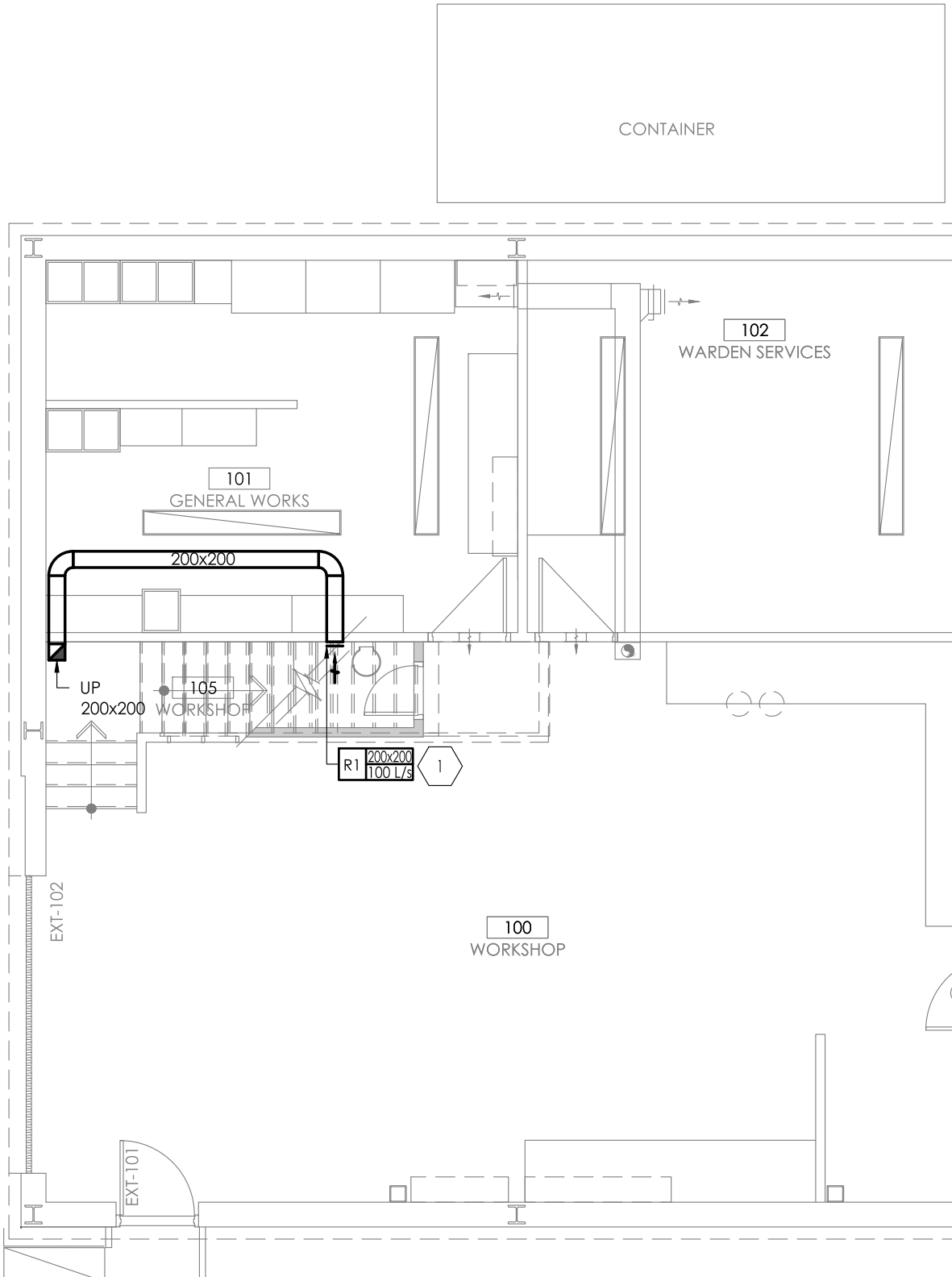
SPECIFIC NOTES:

1 SUPPLY AND INSTALL EXHAUST GRILL, E.H. PRICE, MODEL: 80

LEGEND

- SUPPLY DUCT
- RETURN OR EXHAUST DUCT
- SUPPLY DUCT AND RETURN DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
- DIFFUSER OR GRILLE INSTALL ON WALL OR ON THE SIDE
- CONNECTION TO EXISTING
- FLOW DIRECTION
- DOOR TRANSFER GRILL

NOTE :
ALL SYMBOLS ILLUSTRATED IN THIS LEGEND WILL NOT NECESSARILY BE USED FOR THIS PROJECT.



GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING CONSTRUCTION.
SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

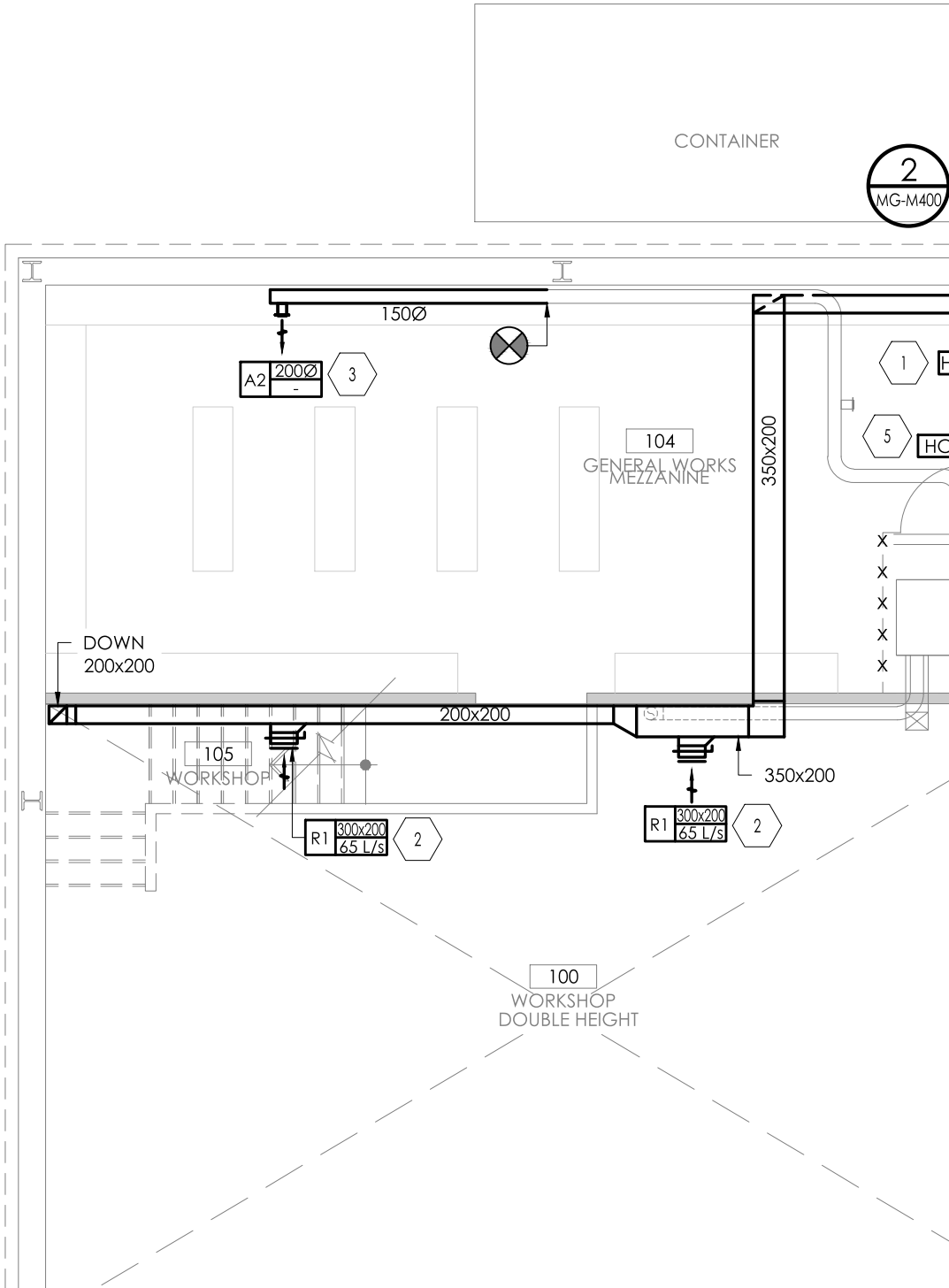
SPECIFIC NOTES:

1. SUPPLY AND INSTALL HEAT EXCHANGER, VENMAR, MODEL: V6LC DARN, RECIRCULATION DEFROST, ALUMINUM CORE, REVERSED (RIGHT-HAND) DOOR.
2. SUPPLY AND INSTALL EXHAUST GRILL, E.H. PRICE, MODEL: 80
3. SUPPLY AND INSTALL DIFFUSER, E.H. PRICE, MODEL: RPD
4. SUPPLY AND INSTALL DIFFUSER, E.H. PRICE, MODEL: 520
5. SUPPLY AND INSTALL AN ELECTRIC HEATING COIL, STELPRO SDHF, 8 kW, 208V/1 PH, C/W CIR-048 CONTROL PANEL, NEMA 12, D070 REMOTE DUCT THERMOSTAT.
6. REINSTALL EXISTING FURNACE EXHAUST.

LEGEND

- SUPPLY DUCT
- RETURN OR EXHAUST DUCT
- SUPPLY DUCT AND RETURN DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
- DIFFUSER OR GRILLE INSTALL ON WALL OR ON THE SIDE
- CONNECTION TO EXISTING
- FLOW DIRECTION
- DUCT HEATER

NOTE :
ALL SYMBOLS ILLUSTRATED IN THIS LEGEND WILL NOT NECESSARILY BE USED FOR THIS PROJECT.



GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING CONSTRUCTION.
SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

LEGEND

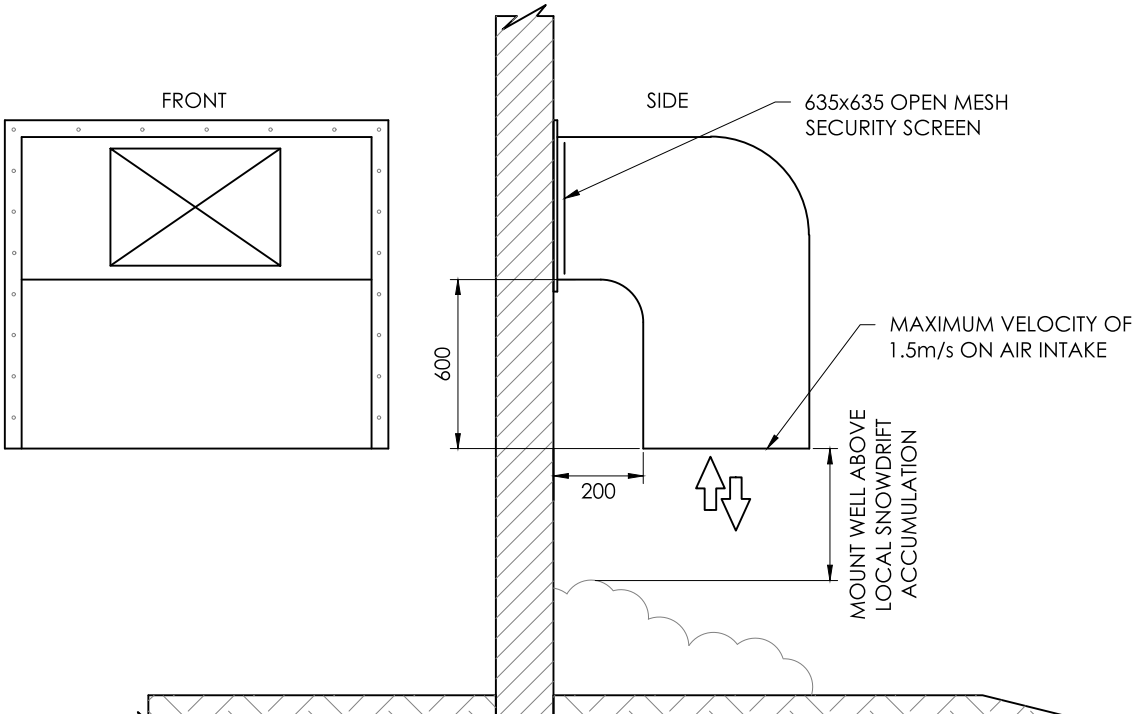
--	EQUIPMENT NUMBER
	DIFFUSER OR GRILLE INSTALL ON WALL OR ON THE SIDE
	FLOW DIRECTION
	ELECTRIC HEATING COIL
T	TEMPERATURE SENSOR
T	THERMOSTAT

NOTE :
ALL SYMBOLS ILLUSTRATED IN THIS LEGEND WILL NOT NECESSARILY BE USED FOR THIS PROJECT.

NET OPEN
250

50mm INSULAT
WITH CAN

MECHAN
ROOM F



MAINTENANCE GARAGE AND FENCE REH

MAINTENANCE GARAGE
Pangnirtung, Nunavut

PCAU-04-02
PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 08TH 2019

DRAWING

MG-E000 - ELECTRICAL - TITLE PAGE
MG-E050 - LIGHTING AND FIRE ALARM - MAIN FLOOR - DEMOLITION
MG-E051 - LIGHTING AND FIRE ALARM - MEZZANINE FLOOR - DEMOLITION
MG-E052 - SERVICES, DATA AND SECURITY - MAIN FLOOR - DEMOLITION
MG-E053 - SERVICES, DATA AND SECURITY - MEZZANINE FLOOR - DEMOLITION
MG-E080 - ELECTRICAL DISTRIBUTION AND PANELS - DEMOLITION
MG-E081 - ELECTRICAL DISTRIBUTION AND PANELS
MG-E100 - LIGHTING AND FIRE ALARM - MAIN FLOOR
MG-E110 - LIGHTING AND FIRE ALARM - MEZZANINE FLOOR
MG-E200 - SERVICES, DATA AND SECURITY - MAIN FLOOR
MG-E210 - SERVICES, DATA AND SECURITY - MEZZANINE FLOOR

LEGEND

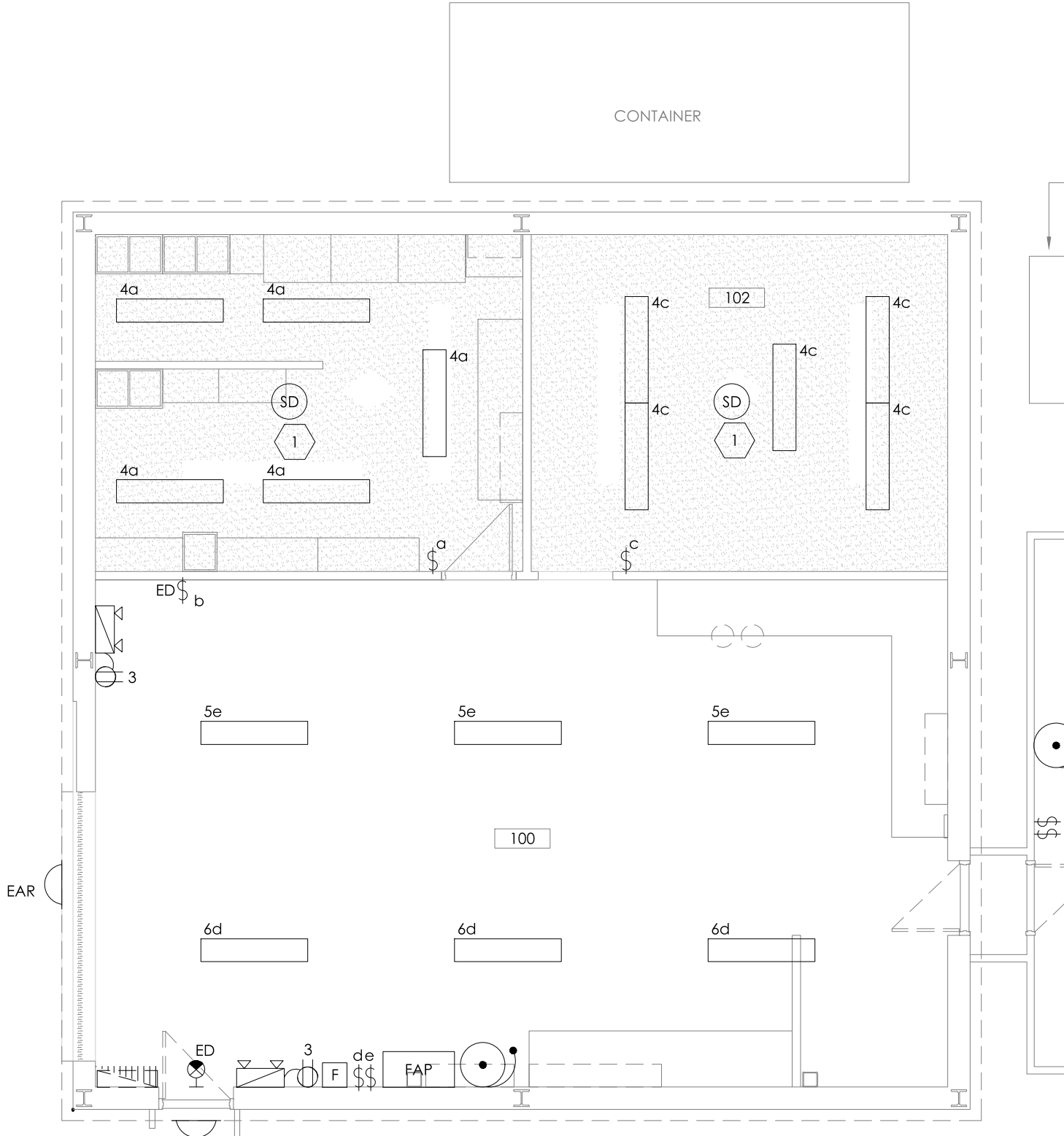
	FLUORESCENT 1'x4' (SURFACE / RECESSED)
	EMERGENCY BATTERY AND DOUBLE EMERGENCY LIGHTING
	OUTDOOR UNIT (SURFACE MOUNTED)
	LIGHT SOCKET
	EXIT SIGN ON THE WALL
$	120V SWITCH
	15A DUPLEX RECEPTACLE
F	PULL STATION
SD	SMOKE DETECTOR
	FIRE ALARM BELL
FAP	FIRE ALARM PANEL
	120/208V ELECTRICAL PANEL (SURFACE)
ED	EXISTING TO BE DEMOLISHED
N	NEW
EAR	EXISTING TO BE RELOCATED
ER	EXISTING TO REMAIN
E	EXISTING RETAINED

GENERAL NOTES

1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.

SPECIFIC NOTES:

1 FIRE DETECTOR WIRES AND CONDUIT ARE TO BE DISMANTLED UP TO THE FIRE ALARM PANEL.



LEGEND

	FLUORESCENT 1'x4' (SURFACE / RECESSED)
	EMERGENCY BATTERY AND DOUBLE EMERGENCY LIGHTING
	OUTDOOR UNIT (SURFACE MOUNTED)
	LIGHT SOCKET
	EXIT SIGN ON THE WALL
$	120V SWITCH
	15A DUPLEX RECEPTACLE
F	PULL STATION
SD	SMOKE DETECTOR
	FIRE ALARM BELL
FAP	FIRE ALARM PANEL
	120/208V ELECTRICAL PANEL (SURFACE)
ED	EXISTING TO BE DEMOLISHED
N	NEW
EAR	EXISTING TO BE RELOCATED
ER	EXISTING TO REMAIN
E	EXISTING RETAINED

GENERAL NOTES

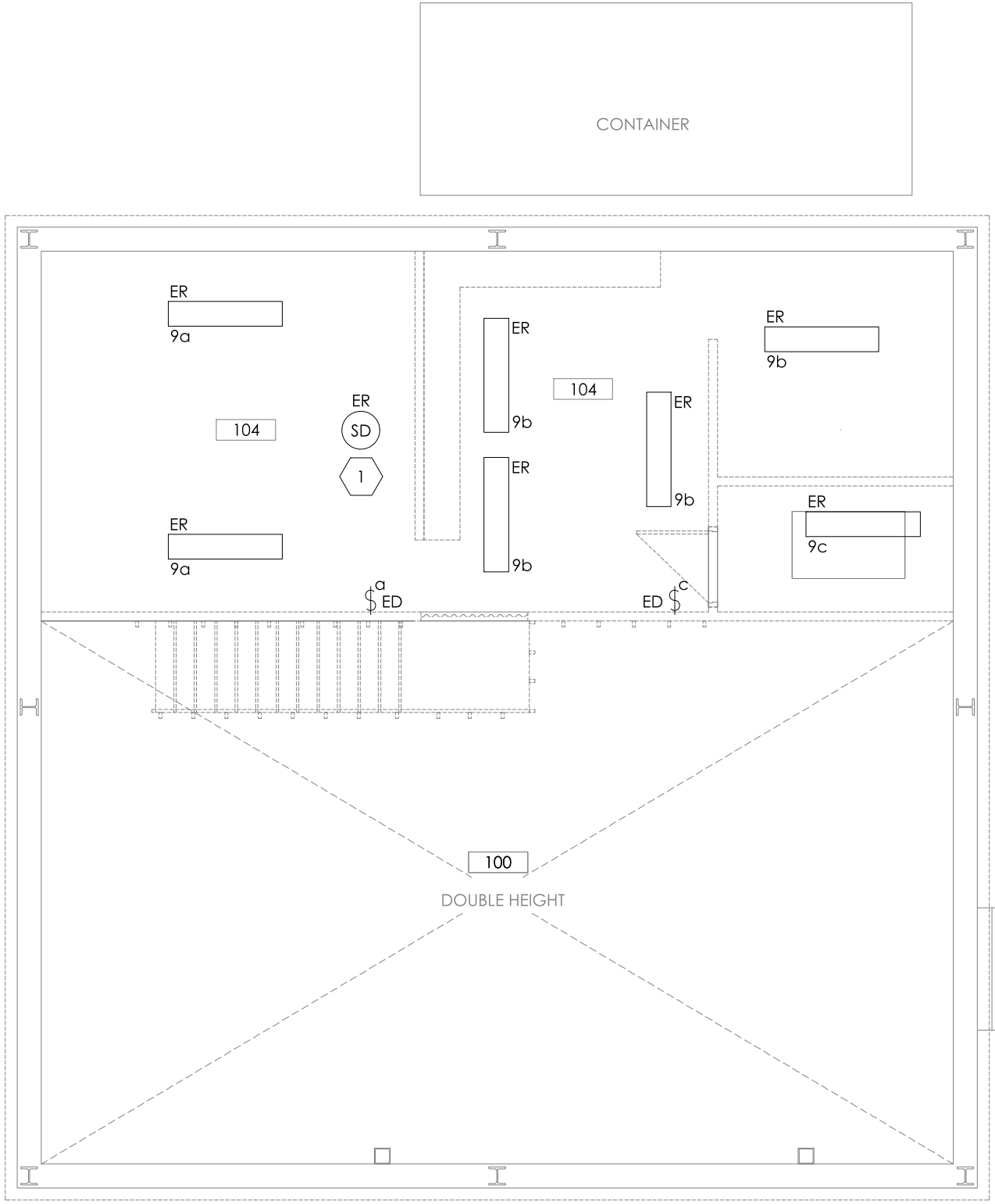
1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.

2- ALL LIGHTING FIXTURES ARE TO BE DISCONNECTED UP TO THE ELECTRIC PANEL.

3- ALL LIGHTING FIXTURES CONDUITS AND WIRES ARE TO BE DISMANTLED UP TO THE ELECTRICAL PANEL.

SPECIFIC NOTES:

1 FIRE DETECTOR WIRES AND CONDUIT ARE TO BE DISMANTLED UP TO THE FIRE ALARM PANEL.

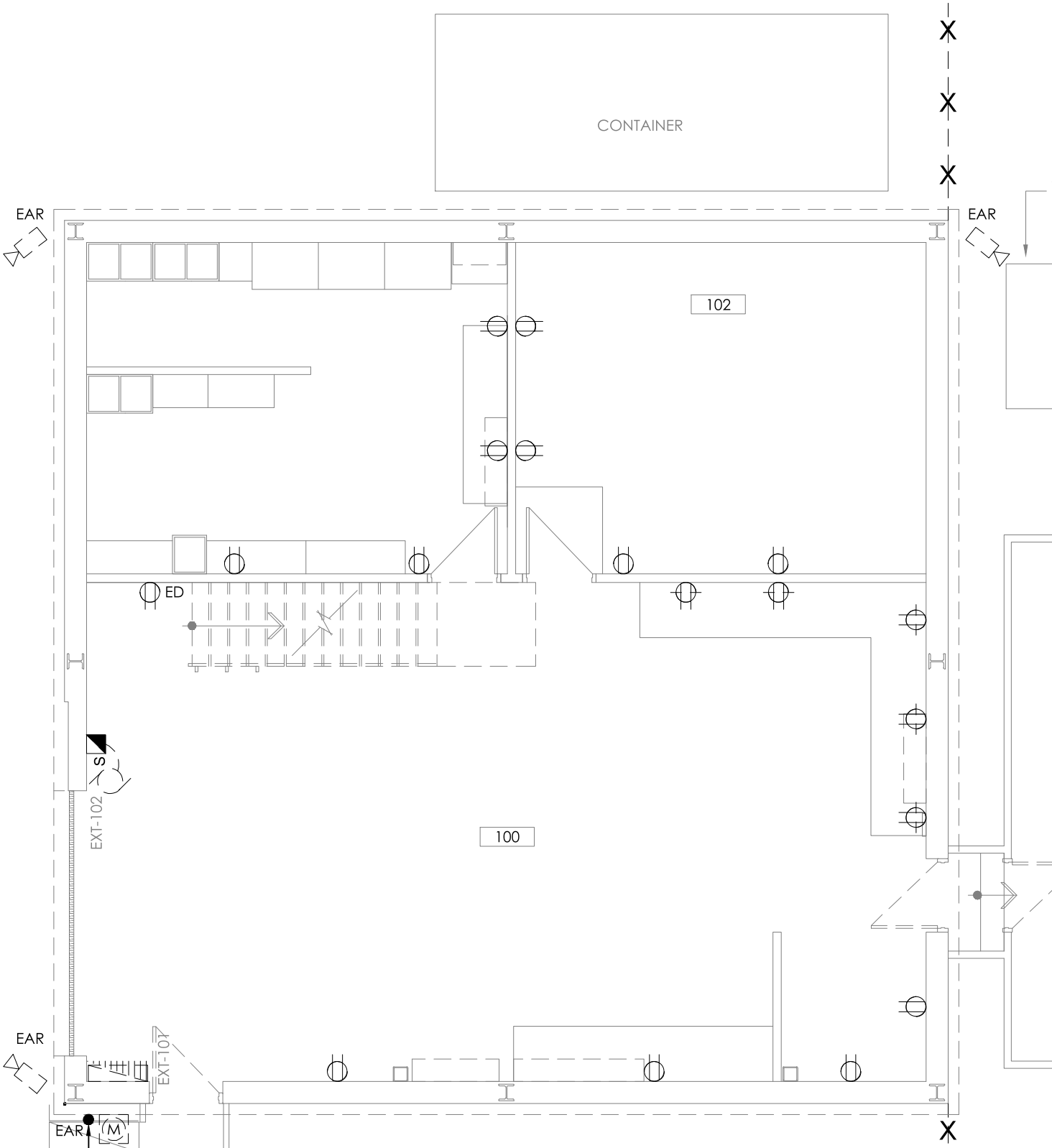


LEGEND

	15A DUPLEX RECEPTACLE
	15A COUNTER DUPLEX RECEPTACLE
S	MANUAL STARTER - SURFACE
	120-208V ELECTRICAL PANEL (SURFACE / RECESSED)
	MOTOR
	CAMERA
M	ELECTRICAL METER
T	THERMOSTAT
$U	EMERGENCY SWITCH
	ELECTRICAL HEATING COIL
EAR	EXISTING TO BE RELOCATED
ED	EXISTING TO BE DEMOLISHED
E	EXISTING RETAINED
R	EXISTING RELOCATED

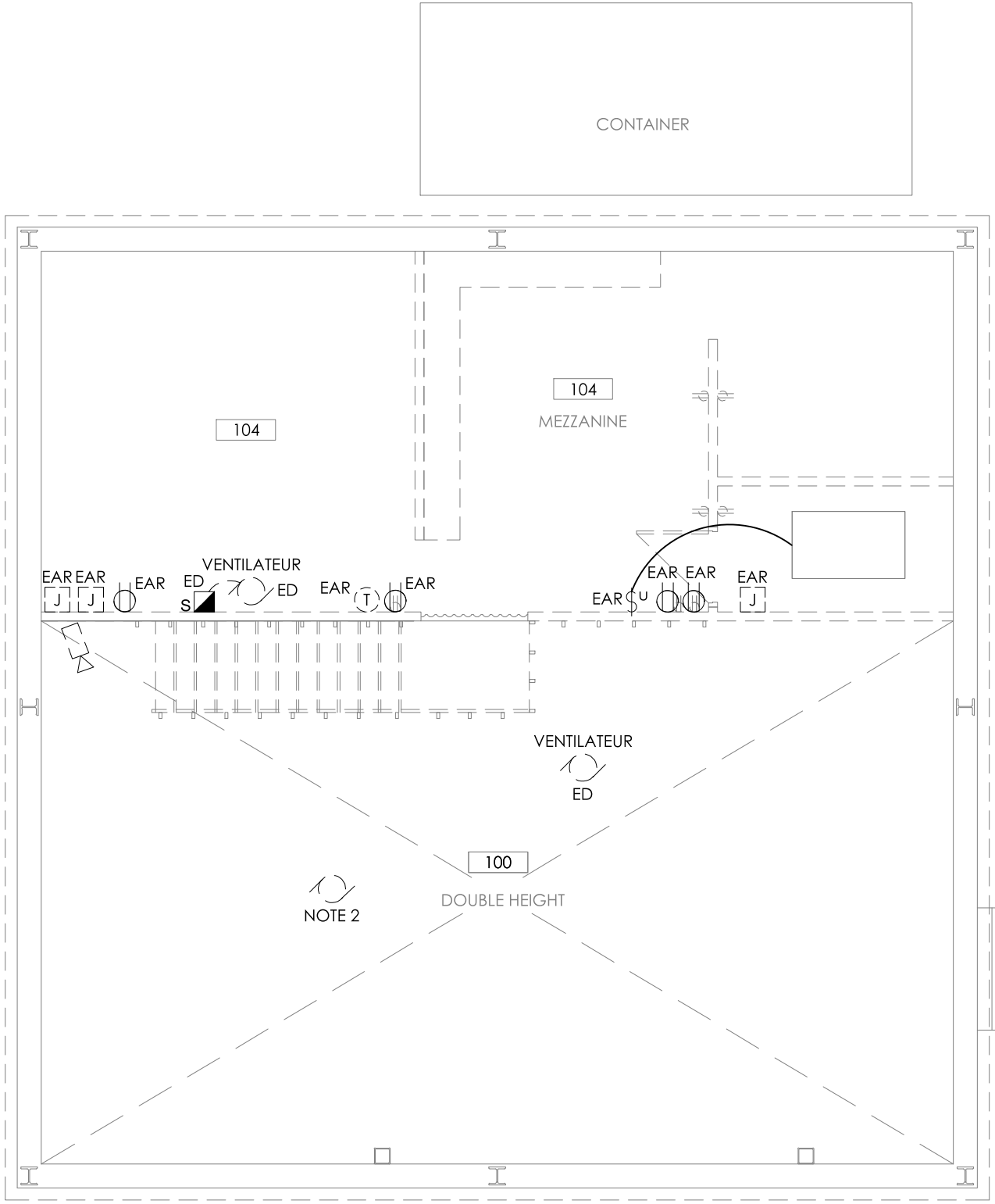
GENERAL NOTES

1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.



LEGEND

	15A DUPLEX RECEPTACLE
	15A COUNTER DUPLEX RECEPTACLE
S	MANUAL STARTER - SURFACE
	120-208V ELECTRICAL PANEL (SURFACE / RECESSED)
	MOTOR
	CAMERA
M	ELECTRICAL METER
T	THERMOSTAT
$U	EMERGENCY SWITCH
	ELECTRICAL HEATING COIL
EAR	EXISTING TO BE RELOCATED
ED	EXISTING TO BE DEMOLISHED
E	EXISTING RETAINED
R	EXISTING RELOCATED



GENERAL NOTES:

1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.

2- EQUIPMENT BREAKER TO BE RELOCATED IN THE ELECTRICAL PANEL.

PANEL : P (EXISTING)

LOCATION : MAINTENANCE GARAGE
MOUNTING : SURFACE
TYPE : -

VOLTS : 120/208
PHASES : 3
WIRES : 4

NOTES	POLE NO.	DESCRIPTION	BREAKER SIZE	NO. OF POLE	A		B		C		NO. OF POLE	BREAKER SIZE	DESCRIPTION
-	1	MEZZANINE FAN	15 A	1	0	0					1	15 A	PUBLIC SECURITY DOOR UPS
-	3	EMERGENCY LIGHT	15 A	1			0	0			1	15 A	WARDEN SERVICES + GEN. W
-	5	GARAGE LIGHTS	15 A	1					0	0	1	15 A	LIGHTS
-	7	OUTSIDE LIGHTS	15 A	1	0	0					1	15 A	MECHANICAL
-	9	MEZZANINE LIGHTS	15 A	1			0	0			1	15 A	FURNACE
-	11	EXTERIOR LIGHTING	15 A	1					0	0	1	15 A	GARAGE PLUGS
-	13	GARAGE PLUGS	15 A	1	0	0					1	15 A	OFF
-	15	COLD STORAGE	15 A	1			0	0			1	15 A	FIRE ALARM
-	17	BATHROOM LIGHT	15 A	1					0	0	1	15 A	COLD TEMP.
-	19	SPARE	15 A	1	0	0					1	20 A	GARAGE PLUGS
-	21	WELDER	30 A	1			0	0			1	15 A	FAN
-	23								0	0	1	15 A	GENERAL WORKS PLUGS
-	25	TABLE SAW	15 A	1	0	0					1	15 A	SPARE
-	27						0	0			1	15 A	HOIST
-	29	DOOR	15 A	1					0	0	1	15 A	SPARE
TOTAL LOAD :					0		0		0				

LEGEND :

TC : TIME CLOCK
C : CONTACTOR
E : EXISTING

ELECTRICAL CONNECTION CALCULATION

TOTAL CONNECTED LOAD : 0 W / (360.3)

TOTAL AMPERAGE : 0 A

PANEL : P (MODIFIED)

LOCATION : MAINTENANCE GARAGE
MOUNTING : SURFACE
TYPE : -

VOLTS : 120/208
PHASES : 3
WIRES : 4

NOTES	POLE NO.	DESCRIPTION	BREAKER SIZE	NO. OF POLE	A		B		C		NO. OF POLE	BREAKER SIZE	DESCRIPTION
-	1	MEZZANINE FAN	15 A	1	0	0					1	15 A	PUBLIC SECURITY DOOR UPS
-	3	EMERGENCY LIGHT	15 A	1			0	0			1	15 A	WARDEN SERVICES + GEN. W
-	5	GARAGE LIGHTS	15 A	1					0	0	1	15 A	LIGHTS
-	7	OUTSIDE LIGHTS	15 A	1	0	0					1	15 A	MECHANICAL
-	9	MEZZANINE LIGHTS	15 A	1			0	0			1	15 A	FURNACE
-	11	EXTERIOR LIGHTING	15 A	1					0	0	1	15 A	GARAGE PLUGS
-	13	GARAGE PLUGS	15 A	1	0	0					1	15 A	OFF
-	15	COLD STORAGE	15 A	1			0	0			1	15 A	FIRE ALARM
-	17	BATHROOM LIGHT	15 A	1					0	0	1	15 A	COLD TEMP.
-	19	HEAT EXCHANGER	15 A	1	640	0					1	20 A	GARAGE PLUGS
-	21	WELDER	30 A	1			0	0			1	15 A	FAN
-	23								0	0	1	15 A	GENERAL WORKS PLUGS
-	25	TABLE SAW	15 A	1	0	0					1	15 A	HOIST
-	27						0	4000			2	50 A	HEATING COIL
-	29	DOOR	15 A	1					0	4000			
TOTAL LOAD :					640		4000		4000				

LEGEND :

TC : TIME CLOCK
C : CONTACTOR
E : EXISTING

ELECTRICAL CONNECTION CALCULATION

TOTAL CONNECTED LOAD : 8640 W / (360.3)

TOTAL AMPERAGE : 24 A

LEGEND

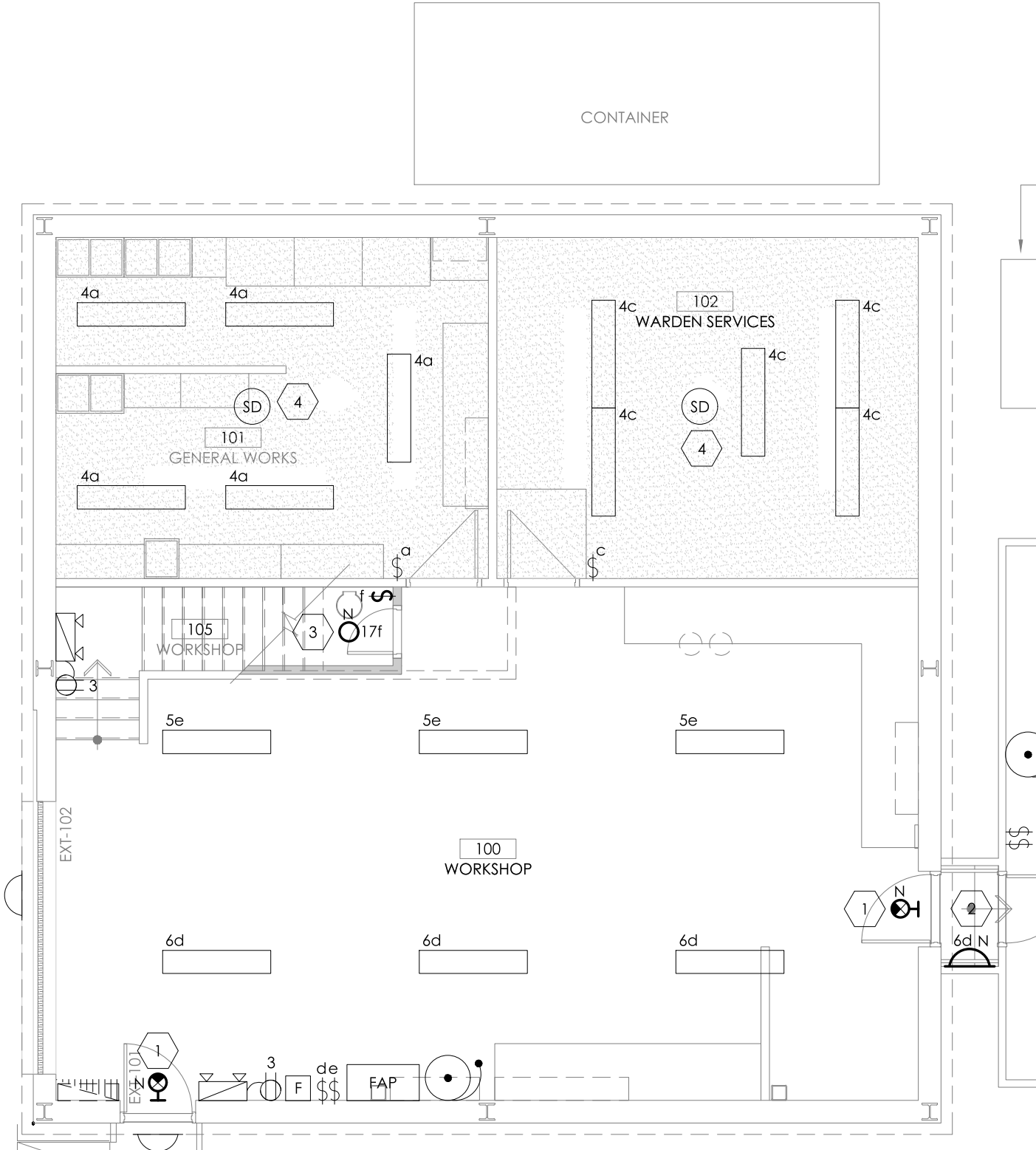
	FLUORESCENT 1'x4' (SURFACE / RECESSED)
	EMERGENCY BATTERY AND DOUBLE EMERGENCY LIGHTING
	OUTDOOR UNIT (SURFACE MOUNTED)
	LIGHT SOCKET
	EXIT SIGN ON THE WALL
$	120V SWITCH
	15A DUPLEX RECEPTACLE
F	PULL STATION
SD	SMOKE DETECTOR
	FIRE ALARM BELL
FAP	FIRE ALARM PANEL
	120/208V ELECTRICAL PANEL (SURFACE)
ED	EXISTING TO BE DEMOLISHED
N	NEW
EAR	EXISTING TO BE RELOCATED
ER	EXISTING TO REMAIN
E	EXISTING RETAINED

GENERAL NOTES

1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.

SPECIFIC NOTES:

1. PROVIDE AND INSTALL A NEW EXIT SIGN (RUNNING MAN) AS PER STANPRO SERIE RMV.
2. PROVIDE AND INSTALL A NEW LIGHTING FIXTURE AS PER STANPRO, MODEL WPI-L-S1-A-50K-P.
3. PROVIDE AND INSTALL A NEW LIGHTING FIXTURE AS PER PHILIPS SLIM SURFACE No.S4S835K7.
4. INSTALL NEW WIRING.



LEGEND

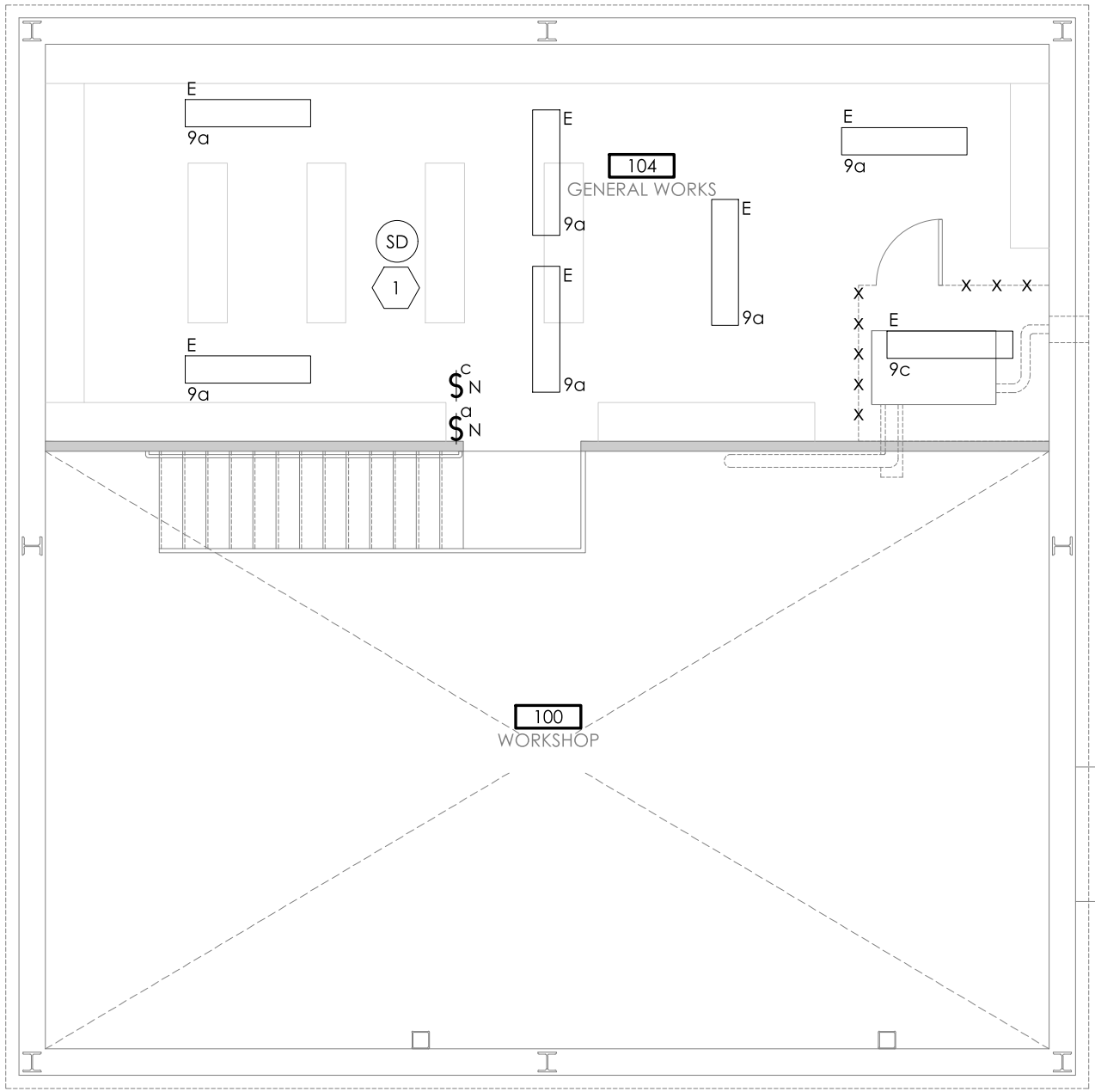
	FLUORESCENT 1'x4' (SURFACE / RECESSED)
	EMERGENCY BATTERY AND DOUBLE EMERGENCY LIGHTING
	OUTDOOR UNIT (SURFACE MOUNTED)
	LIGHT SOCKET
	EXIT SIGN ON THE WALL
$	120V SWITCH
	15A DUPLEX RECEPTACLE
F	PULL STATION
SD	SMOKE DETECTOR
	FIRE ALARM BELL
FAP	FIRE ALARM PANEL
	120/208V ELECTRICAL PANEL (SURFACE)
ED	EXISTING TO BE DEMOLISHED
N	NEW
EAR	EXISTING TO BE RELOCATED
ER	EXISTING TO REMAIN
E	EXISTING RETAINED

GENERAL NOTES

1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.

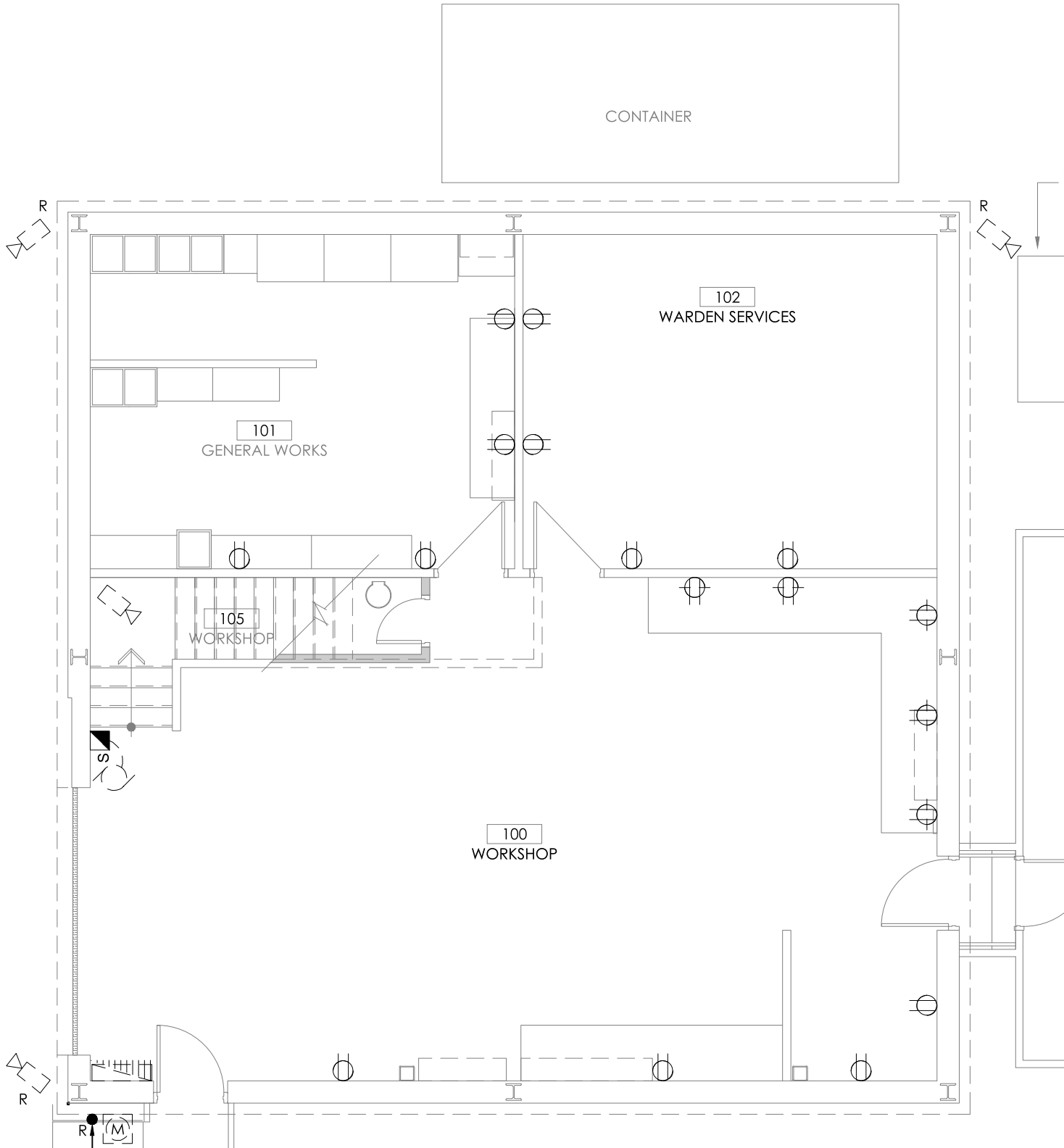
SPECIFIC NOTES:

1 INSTALL NEW WIRING.



LEGEND

	15A DUPLEX RECEPTACLE
	15A COUNTER DUPLEX RECEPTACLE
S	MANUAL STARTER - SURFACE
	120-208V ELECTRICAL PANEL (SURFACE / RECESSED)
	MOTOR
	CAMERA
M	ELECTRICAL METER
T	THERMOSTAT
$U	EMERGENCY SWITCH
	ELECTRICAL HEATING COIL
EAR	EXISTING TO BE RELOCATED
ED	EXISTING TO BE DEMOLISHED
E	EXISTING RETAINED
R	EXISTING RELOCATED

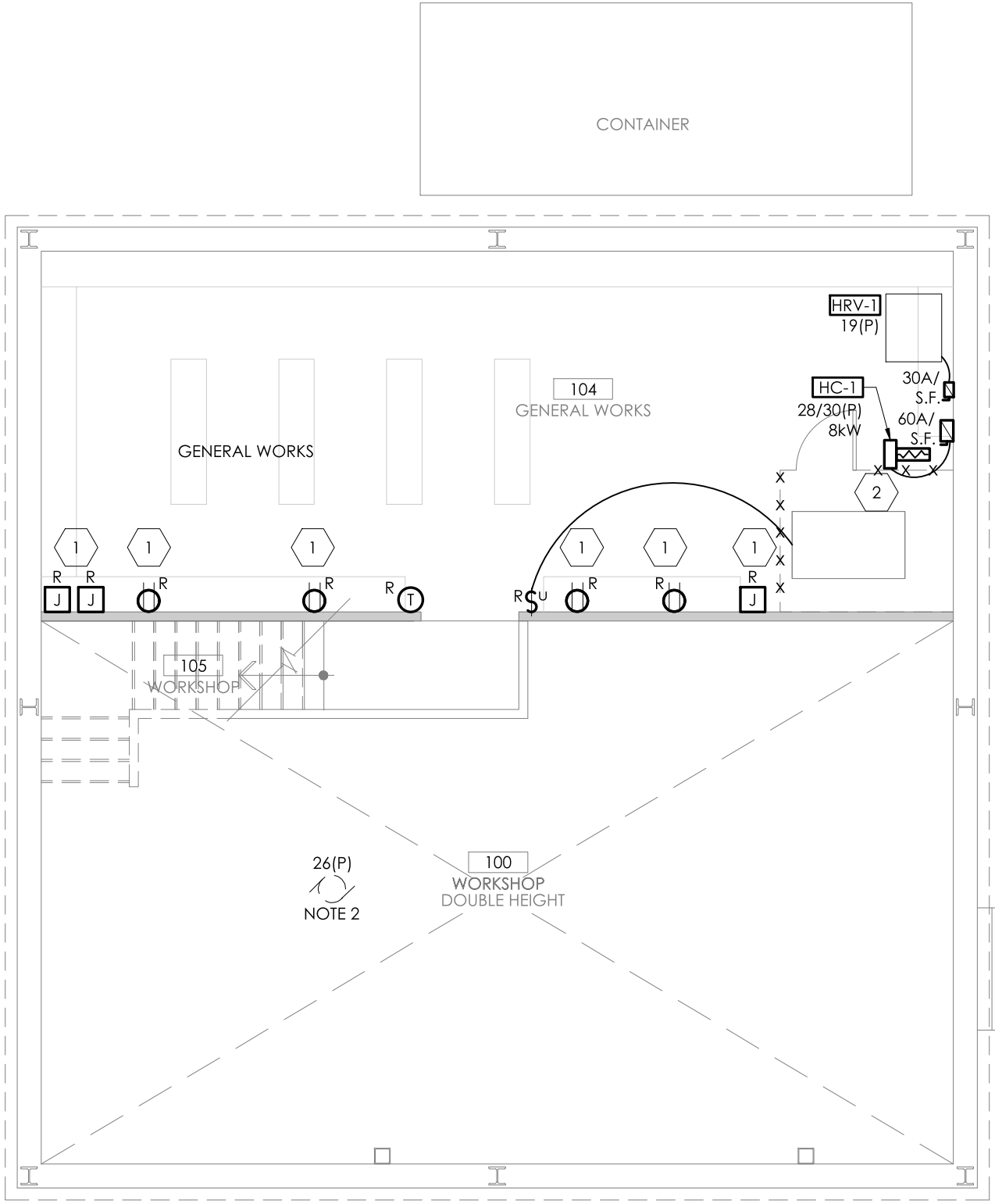


GENERAL NOTES

1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.

LEGEND

	15A DUPLEX RECEPTACLE
	15A COUNTER DUPLEX RECEPTACLE
S	MANUAL STARTER - SURFACE
	120-208V ELECTRICAL PANEL (SURFACE / RECESSED)
	MOTOR
	CAMERA
M	ELECTRICAL METER
T	THERMOSTAT
$U	EMERGENCY SWITCH
EAR	EXISTING TO BE RELOCATED
ED	EXISTING TO BE DEMOLISHED
E	EXISTING RETAINED
R	EXISTING RELOCATED



GENERAL NOTES:

1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.

2- EQUIPMENT TO BE FED FROM THE RELOCATED BREAKER IN ELECTRICAL PANEL.

SPECIFIC NOTES:

1 EQUIPMENTS ON MEZZANINE WALL TO BE INSTALL ABOVE THE MILL WORK. SERVICES ARE TO BE FED WITH A SURFACE CONDUIT. SEE ARCHITECTURAL PLANS FOR EXACT CONDITIONS.

2 ELECTRICAL HEATING COIL TO BE CONNECTED BY ELECTRICAL.

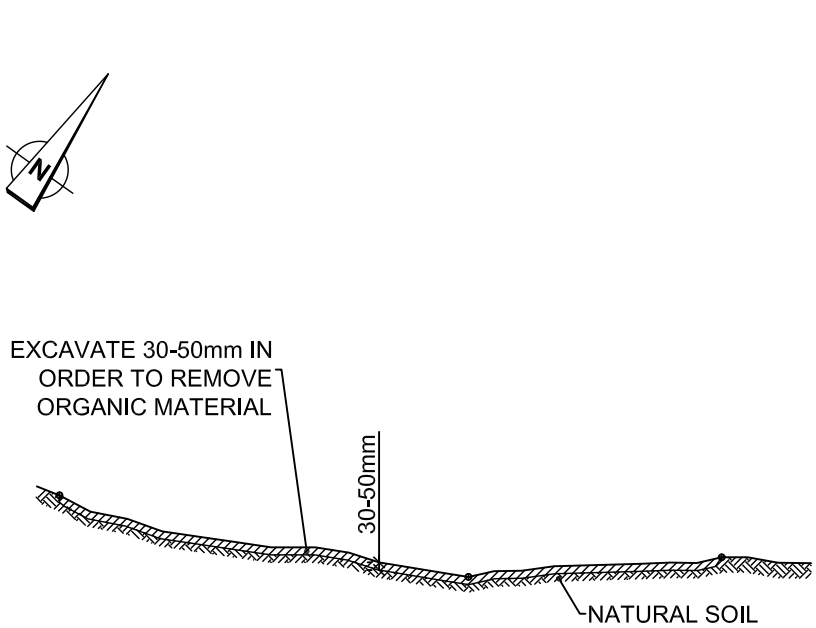
MAINTENANCE GARAGE AND FENCE REH

MAINTENANCE GARAGE
Pangnirtung, Nunavut

PCAU-01-02
PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 8TH 2019

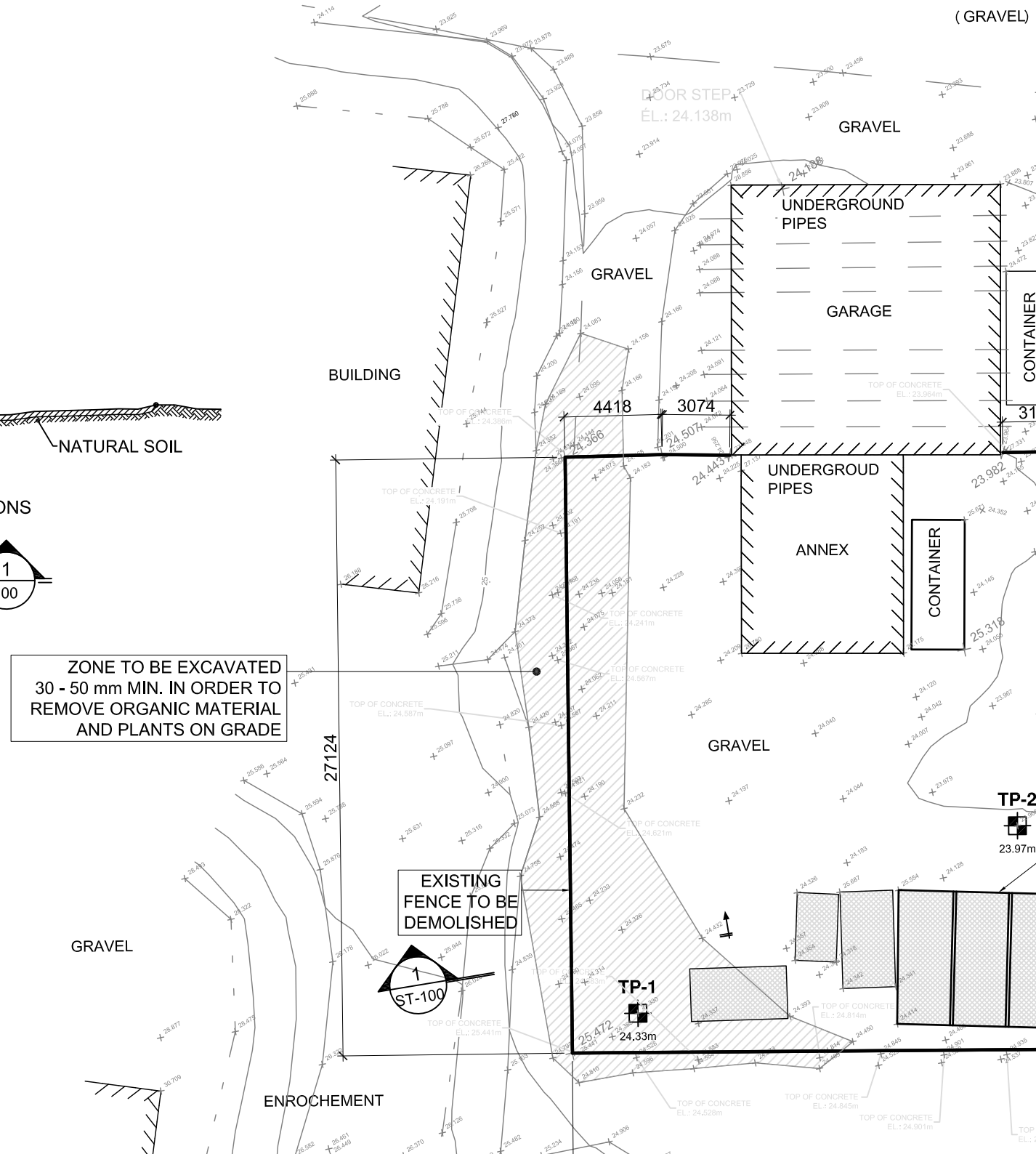
DRAWING	EMISSION
MG-ST010 - SITE PLAN	03
MG-ST100 - EXISTING CONDITIONS	03
MG-ST101 - PROPOSED CONDITIONS	03
MG-ST102 - CHAIN LINK FENCE DETAILS	03
MG-ST103 - CHAIN LINK FENCE DETAILS	03

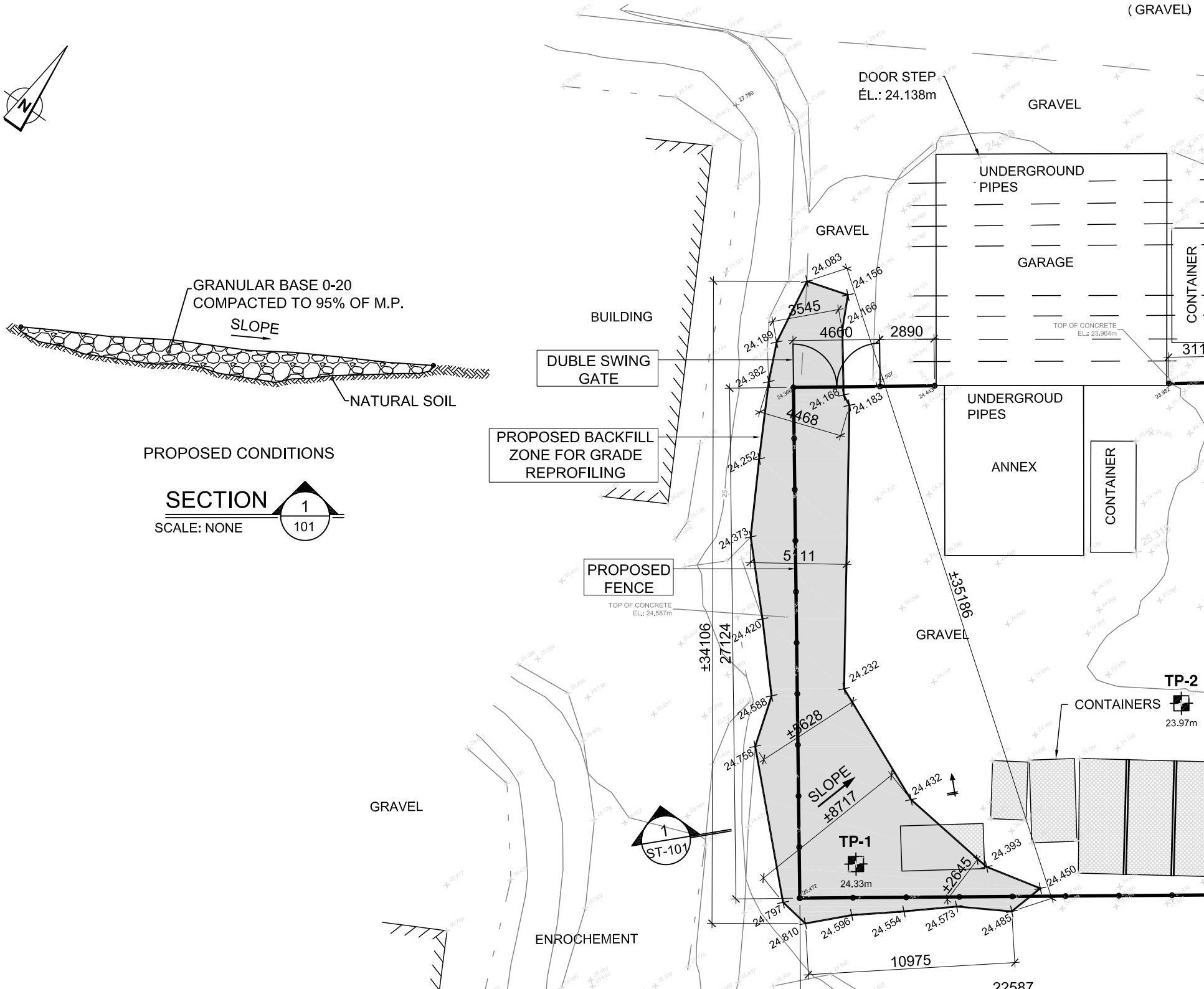


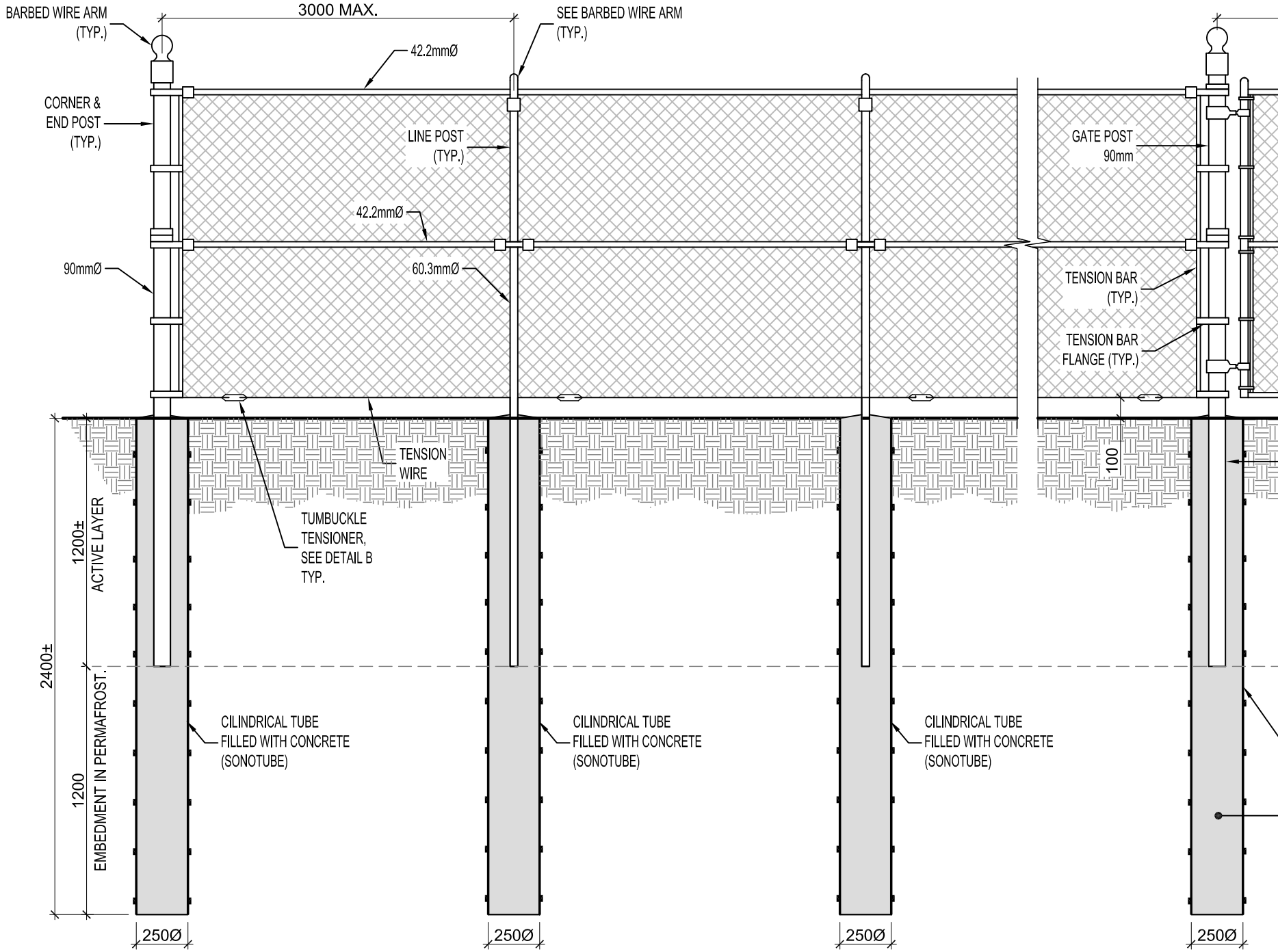
EXISTING CONDITIONS

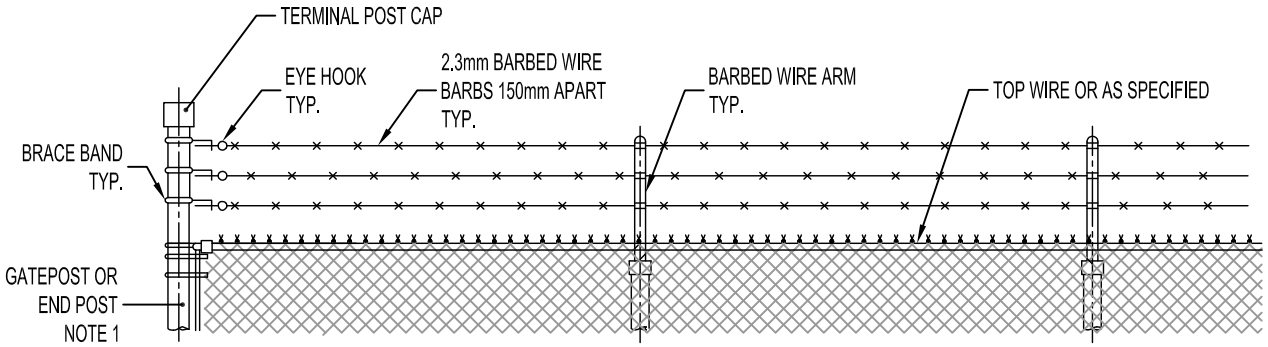
SECTION 1/100

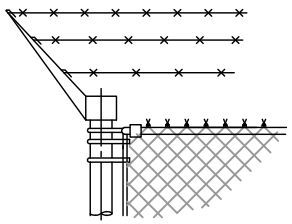
SCALE: NONE



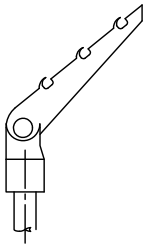

(GRAVEL)
DOOR STEP
ÉL.: 24.138m
GRAVEL
UNDERGROUND PIPES
GARAGE
CONTAINER
TOP OF CONCRETE
EL.: 23.964m
GRAVEL
BUILDING
DUBLE SWING GATE
PROPOSED BACKFILL ZONE FOR GRADE REPROFILING
PROPOSED FENCE
TOP OF CONCRETE
EL.: 24.587m
UNDERGROUD PIPES
ANNEX
CONTAINER
GRAVEL
CONTAINERS
TP-2
23.97m
TP-1
24.33m
SLOPE
GRAVEL
ENROCHEMENT
1
ST-101
GRANULAR BASE 0-20
COMPACTED TO 95% OF M.P.
SLOPE
NATURAL SOIL
PROPOSED CONDITIONS
SECTION
1
101
SCALE: NONE
3545
4660
2890
4468
5111
±35186
±34106
27124
±8628
±8717
±2645
10975
22587


BARBED WIRE ARM
(TYP.)
3000 MAX.
SEE BARBED WIRE ARM
(TYP.)
42.2mmØ
CORNER &
END POST
(TYP.)
LINE POST
(TYP.)
GATE POST
90mm
42.2mmØ
90mmØ
60.3mmØ
TENSION BAR
(TYP.)
TENSION BAR
FLANGE (TYP.)
TENSION
WIRE
100
TUMBUCKLE
TENSIONER,
SEE DETAIL B
TYP.
1200±
ACTIVE LAYER
2400±
1200
EMBEDMENT IN PERMAFROST.
CILINDRICAL TUBE
FILLED WITH CONCRETE
(SONOTUBE)
CILINDRICAL TUBE
FILLED WITH CONCRETE
(SONOTUBE)
CILINDRICAL TUBE
FILLED WITH CONCRETE
(SONOTUBE)
250Ø
250Ø
250Ø
250Ø





CORNER POST
WIT-BARBED WIRE ARM



LINE POST
WIT-BARBED WIRE ARM

NOTE 1: TERMINAL POST SHALL LENGTHENED WHEN BARBED WIRE IS SPECIFIED, EXCEPT WHEN BARBED WIRE ARMS AS USED.

COMPONENTS - BARBED WIRE

SCALE: NONE

MAINTENANCE GARAGE AND FENCE REH

VISITOR CENTER

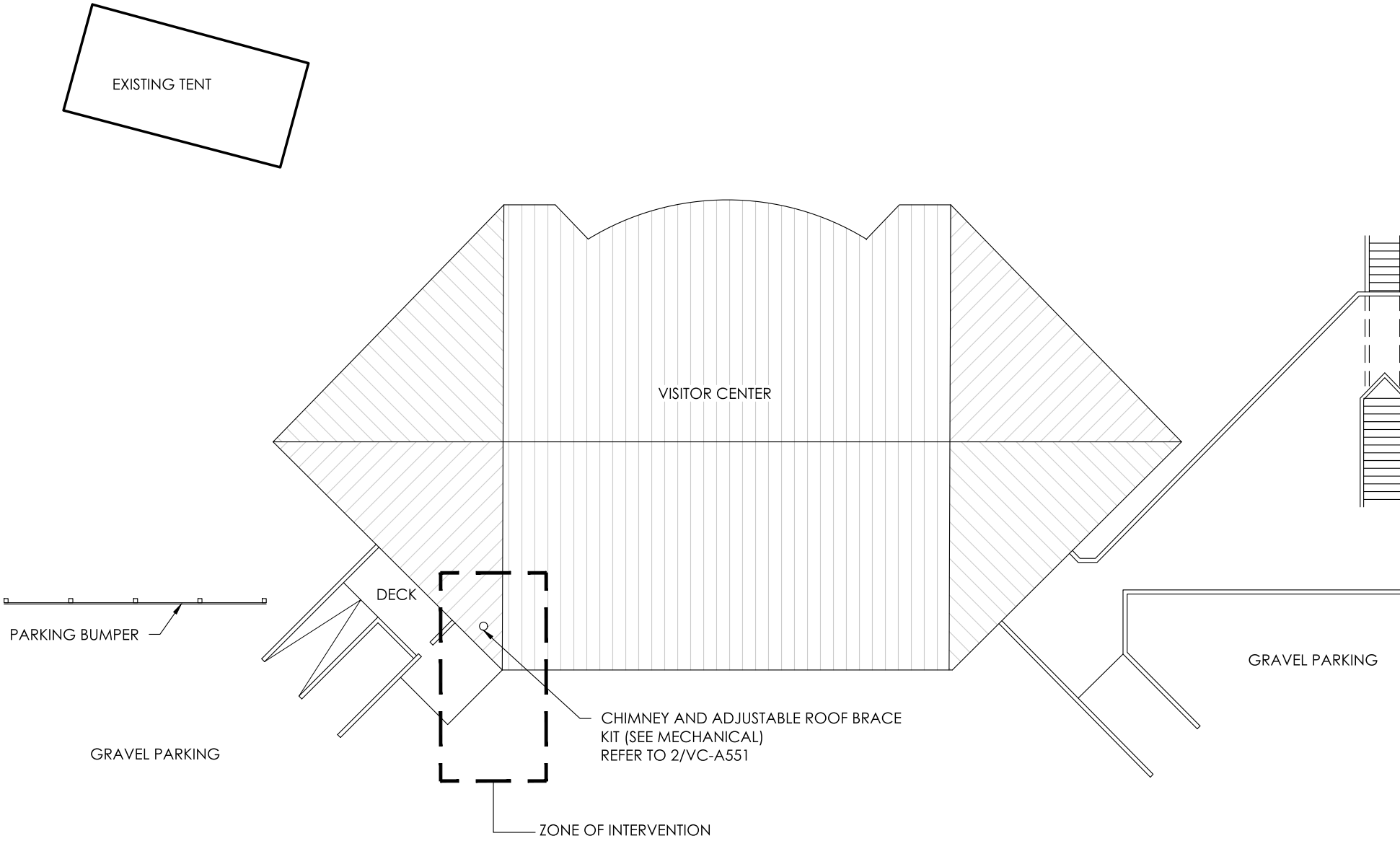
Pangnirtung, Nunavut

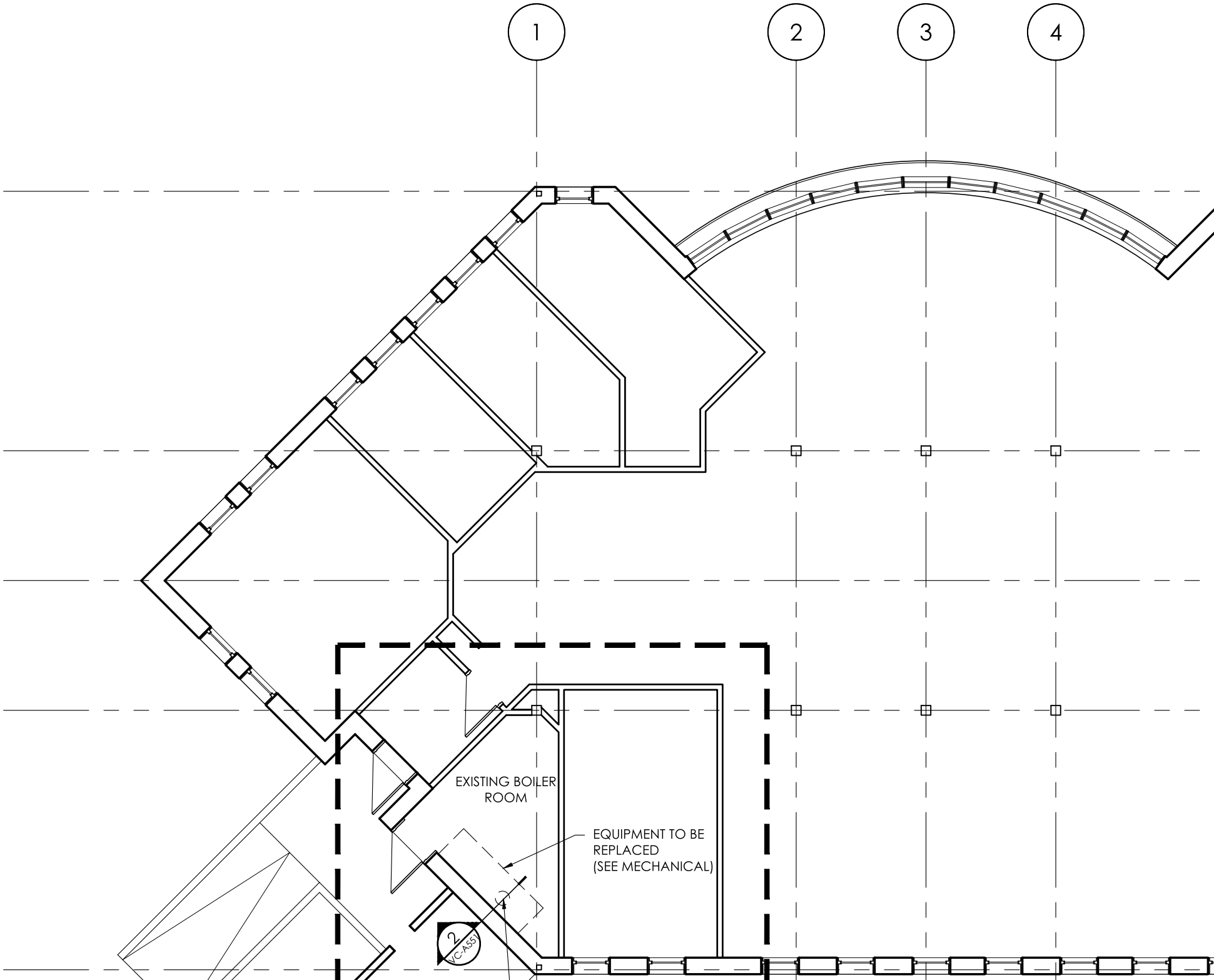
PCAU-01-02

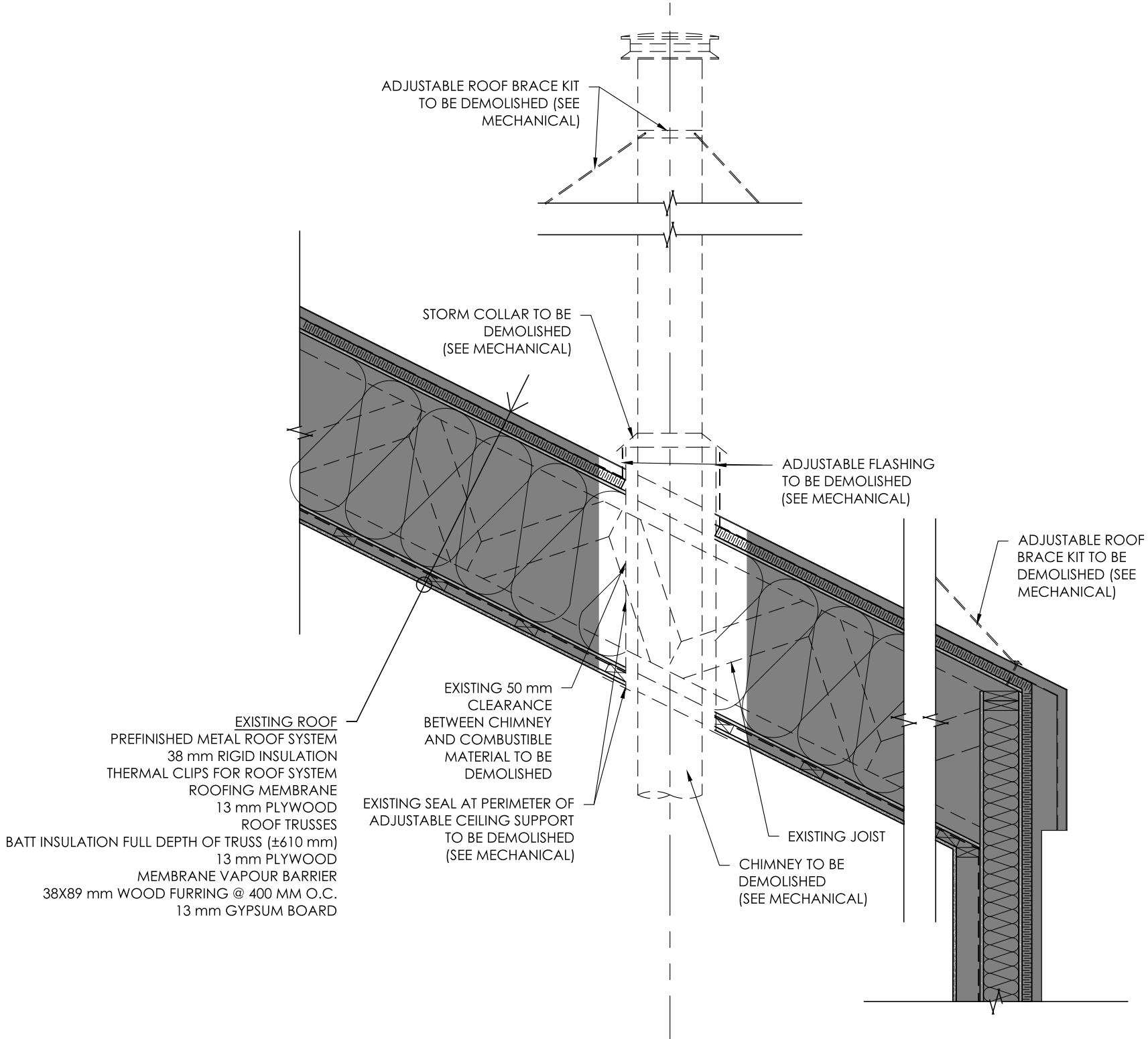
PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 8TH 2019

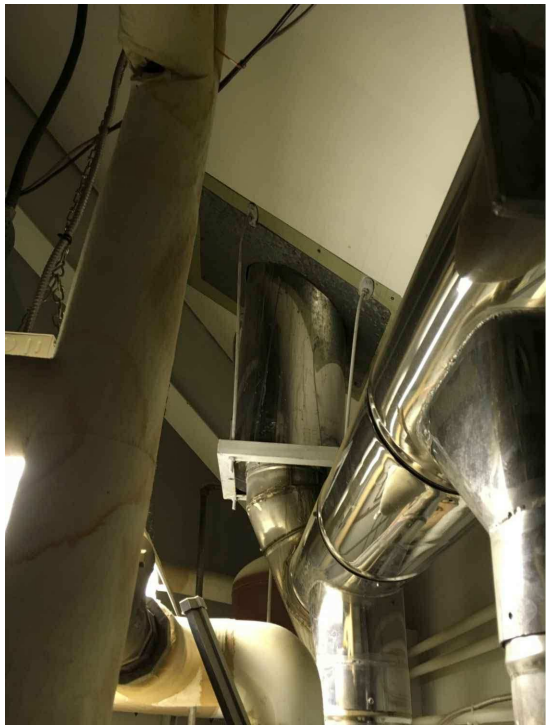
DRAWING	EMISSION
VC-A010 - SITE PLAN VISITOR CENTER	04
VC-A101 - FLOOR PLAN VISITOR CENTER	04
VC-A551 - MECHANICAL ROOM SECTION AND DETAIL	03
VC-A552 - CHIMNEY CONSTRUCTION SECTION AND DETAIL	02

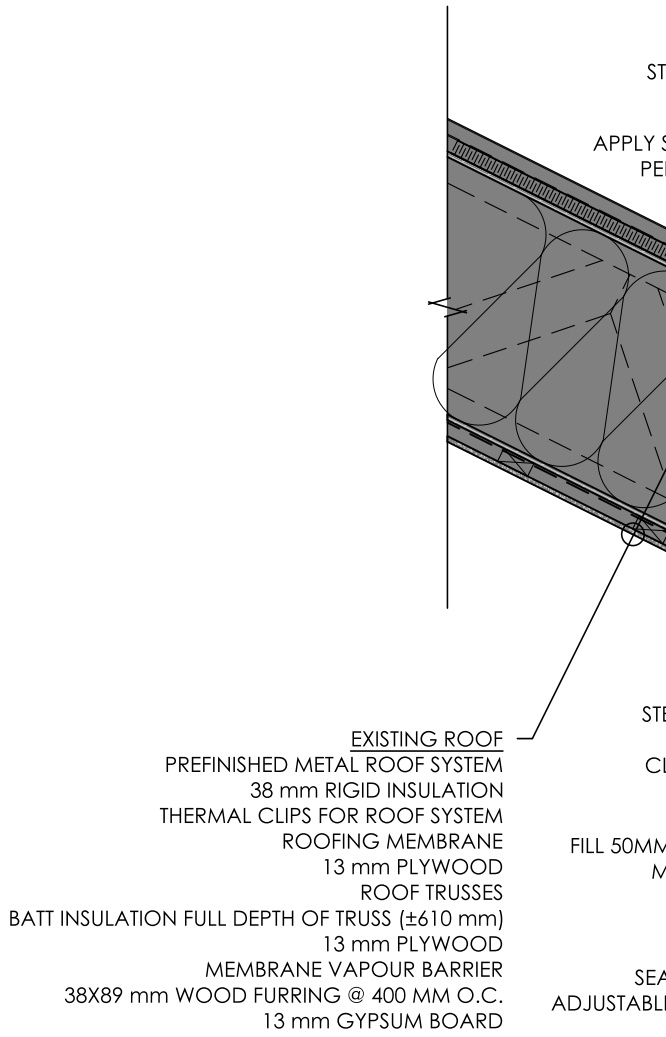

EXISTING TENT
VISITOR CENTER
DECK
PARKING BUMPER
GRAVEL PARKING
GRAVEL PARKING
CHIMNEY AND ADJUSTABLE ROOF BRACE
KIT (SEE MECHANICAL)
REFER TO 2/VC-A551
ZONE OF INTERVENTION


1
2
3
4
EXISTING BOILER ROOM
EQUIPMENT TO BE REPLACED (SEE MECHANICAL)
2
VC-A551


ADJUSTABLE ROOF BRACE KIT TO BE DEMOLISHED (SEE MECHANICAL)
STORM COLLAR TO BE DEMOLISHED (SEE MECHANICAL)
ADJUSTABLE FLASHING TO BE DEMOLISHED (SEE MECHANICAL)
ADJUSTABLE ROOF BRACE KIT TO BE DEMOLISHED (SEE MECHANICAL)
EXISTING ROOF
PREFINISHED METAL ROOF SYSTEM
38 mm RIGID INSULATION
THERMAL CLIPS FOR ROOF SYSTEM
ROOFING MEMBRANE
13 mm PLYWOOD
ROOF TRUSSES
BATT INSULATION FULL DEPTH OF TRUSS (±610 mm)
13 mm PLYWOOD
MEMBRANE VAPOUR BARRIER
38X89 mm WOOD FURRING @ 400 MM O.C.
13 mm GYPSUM BOARD
EXISTING 50 mm CLEARANCE BETWEEN CHIMNEY AND COMBUSTIBLE MATERIAL TO BE DEMOLISHED
EXISTING SEAL AT PERIMETER OF ADJUSTABLE CEILING SUPPORT TO BE DEMOLISHED (SEE MECHANICAL)
EXISTING JOIST
CHIMNEY TO BE DEMOLISHED (SEE MECHANICAL)

EXISTING ROOF AND CHIMNEY INSTALLATION





MAINTENANCE GARAGE AND FENCE REH

VISITOR CENTER

Pangnirtung, Nunavut

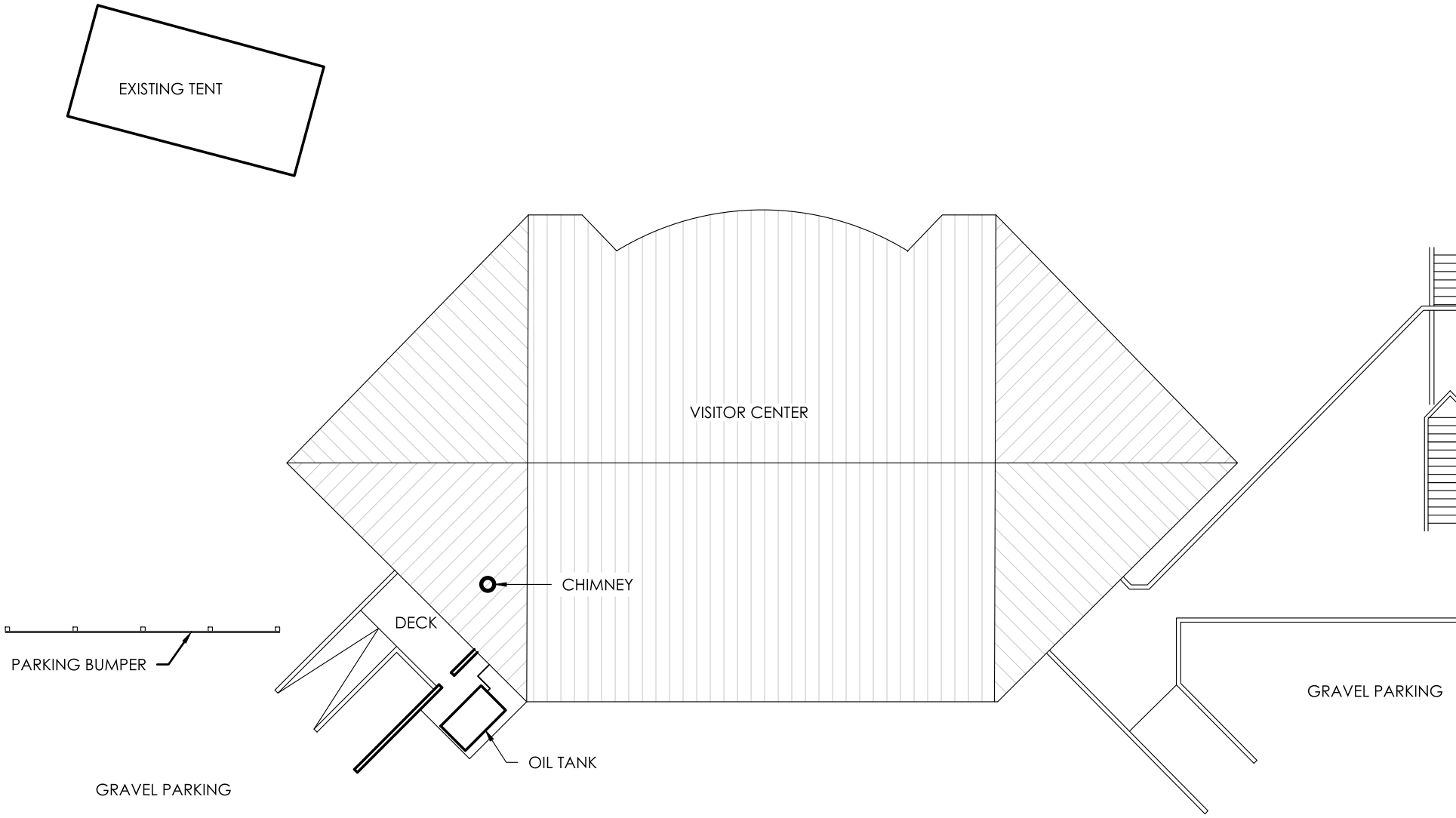
PCAU-04-02

PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 08TH 2019

DRAWING

VC-M000 - MECHANICAL TITLE PAGE
VC-M010 - SITE AND ROOF PLAN
VC-M050 - DEMOLITION - BOILER ROOM
VC-M100 - FLOOR PLAN
VC-M200 - BOILER ROOM PIPING
VC-M300 - OIL PIPING AND CHIMNEY
VC-M400 - MECHANICAL - DIAGRAMS AND CONTROLS


EXISTING TENT
VISITOR CENTER
CHIMNEY
DECK
PARKING BUMPER
OIL TANK
GRAVEL PARKING
GRAVEL PARKING

GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING DEMOLITION. SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

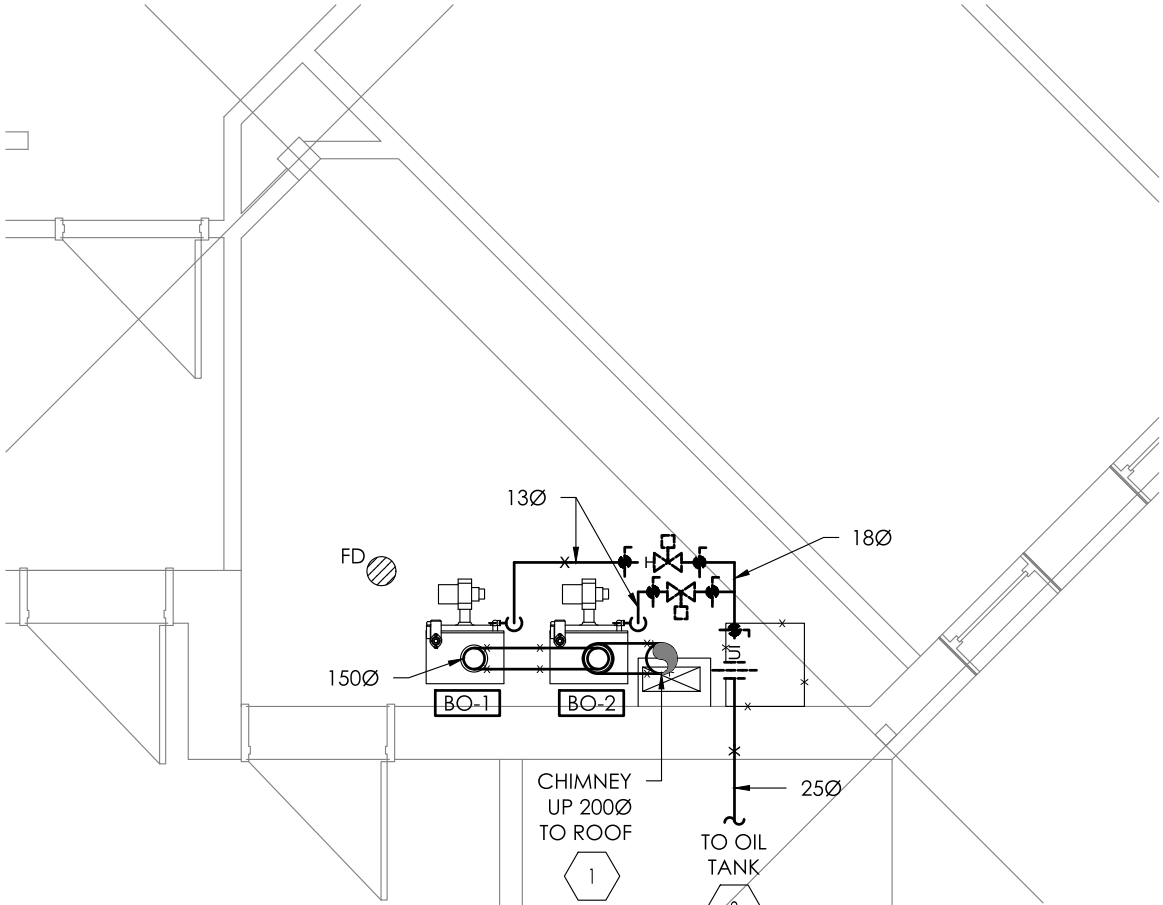
VERIFY EXISTING CONDITIONS ON SITE

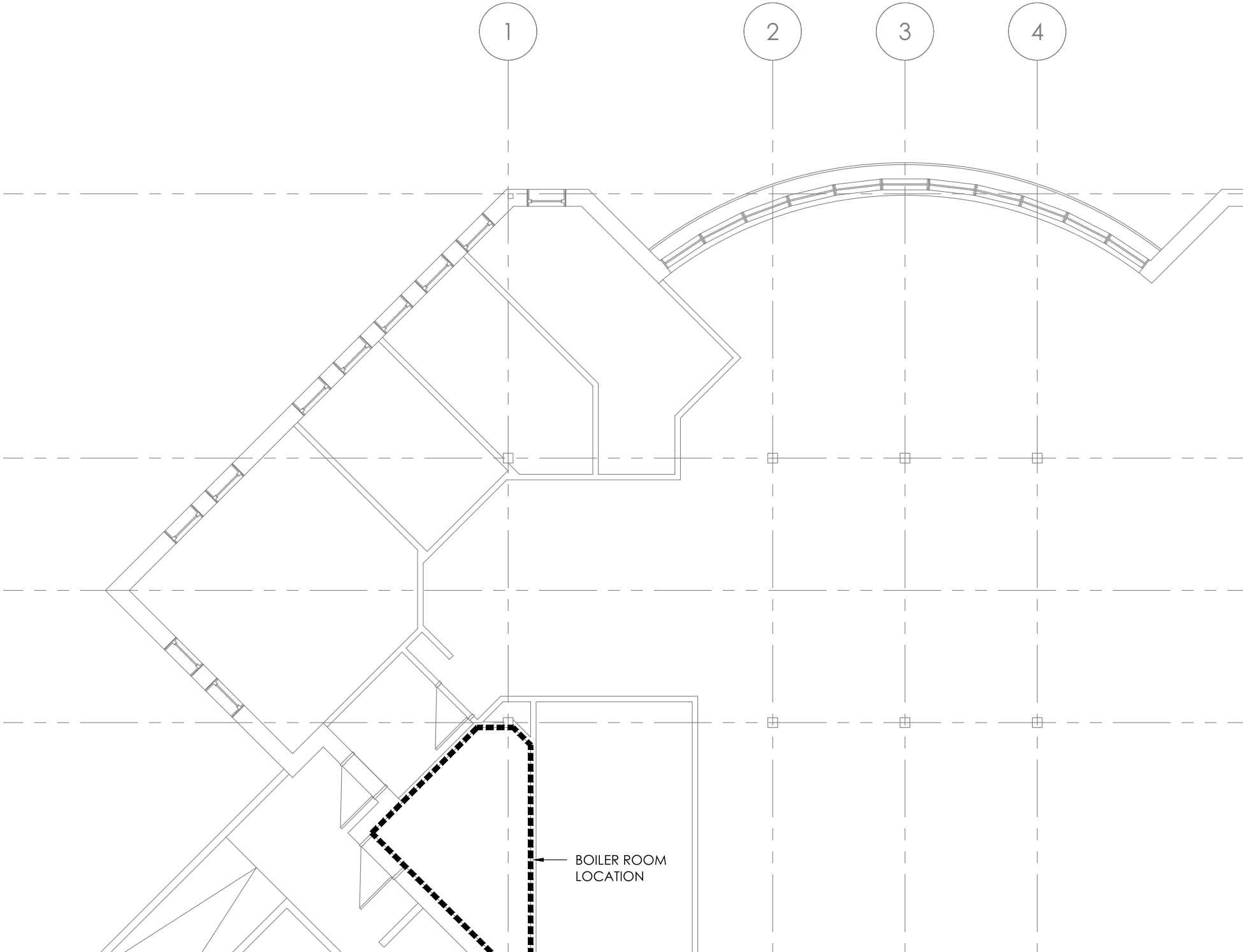
SPECIFIC NOTES:

1. DEMOLISH CHIMNEY COMPLETELY, INCLUDING OUTSIDE SECTION. EXISTING JOIST SHIELD TO BE KEPT.
2. DEMOLISH PIPING FROM BOILER CONNECTION TO ISOLATION VALVE OF OIL TANK.
3. DEMOLISH ALL HEATING PIPING BETWEEN THESE DEMOLITION LIMIT. ALSO REFER TO HEATING DIAGRAM FOR DEMOLITION SCOPE. DEMOLITION SCOPE INCLUDES PIPING, ACCESSORIES, BOILERS AND PUMPS. DISPOSE OF AS PER LOCAL REQUIREMENTS. PUMPS WILL BE HANDED TO DEPARTMENTAL REPRESENTATIVE.
4. THE WHOLE BUILDING HEATING SYSTEM SHALL BE DRAINED BEFORE BEING FILLED AGAIN WITH NEW 50% PROPYLENE GLYCOL SOLUTION. THE SYSTEM SHALL BE DRAINED ONLY WHEN THE CONTRACTOR WILL BE READY TO FILL THE SYSTEM WITH THE NEW SOLUTION, IN ORDER TO MINIMIZE THE RISK OF CORROSION. THE ESTIMATED VOLUME OF FLUID TO BE DRAINED IS 550 LITERS. COORDINATE WITH THE HAMLET AND THE DEPARTMENTAL REPRESENTATIVE TO HAVE THE BUILDING SEWAGE TANK EMPTIED BEFORE AND DURING THE PROCEDURE.

LEGEND

UP	UP
DW	DOWN
EX	EXISTING (EXISTING TO REMAIN)
ER	EXISTING TO RELOCATED
ED	EXISTING TO DEMOLISH
RE	RELOCATED
PU	PUMP
	TO REMAIN
D	TO DEMOLISH
	TO CAP
	DEMOLITION LIMIT
	DEMOLISH SECTION FOR FUTURE CONNECTION
	SUPPLY DUCT
	RETURN OR EXHAUST DUCT
	SUPPLY DUCT AND RETURN DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
EGa	GLYCOL - SUPPLY
EGr	GLYCOL - RETURN
HUI	OIL
FD	FLOOR DRAIN (FD)
	DOWN PIPING
	UP PIPING
	BUTTERFLY VALVE
	VAVLE
	UNION
	PRESSURE VALVE




1
2
3
4
BOILER ROOM
LOCATION

GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING CONSTRUCTION. SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

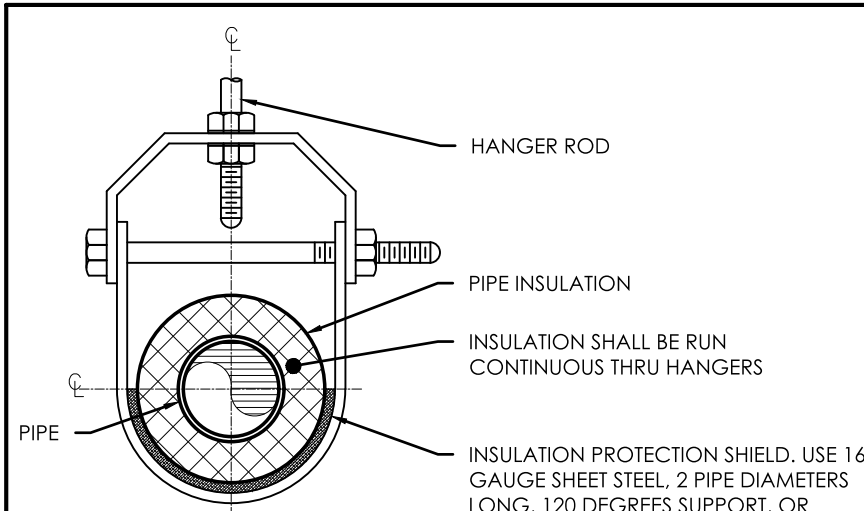
VERIFY EXISTING CONDITIONS ON SITE

SPECIFIC NOTES:

1. SUPPLY AND INSTALL TWO (2) NEW BOILERS, WEIL-MCLAIN MODEL: WGO-3, 120V/1 PH, 39kW GROSS, 33.7kW NET OUTPUT, C/W RIELO BURNER, REFER TO SPECIFICATIONS.
2. CONNECT TO EXISTING HEATING SYSTEM.
3. SUPPLY AND INSTALL NEW EXPANSION TANK, AMTROL MODEL: AX-40 (V).
4. RELIEF VALVE PIPED BACK TO GLYCOL FEEDER TANK.
5. SUPPLY AND INSTALL GLYCOL FEEDER TANK, AXIOM MODEL: MS300-S, 65 LITERS CAPACITY, WORKING PRESSURE FROM 170kPa TO 240 kPa.
6. SUPPLY AND INSTALL FOUR (4) CIRCULATORS, SEE PUMP SCHEDULE VC-M-400.

LEGEND

DW	DOWN
NO	NORMALLY OPEN
EXP-1	EXPANSION TANK
GM-1	FEEDER TANK
HC-X	HEATING COIL
P-X	PUMP
	EXISTING SERVICES
EGa	GLYCOL - SUPPLY
EGr	GLYCOL - RETURN
HUI	OIL
FD	FLOOR DRAIN (FD)
	DOWN PIPING
	UP PIPING
	BUTTERFLY VALVE
	VAVLE
	UNION
	PRESSURE VALVE
	THERMOSTATIC VALVE
	THERMOSTATIC VALVE
	PRESSURE GAUGE
	TEMPERATURE PROBE
	THERMOMETER
	AUTOMATIC AIR VENT
	AIR SEPARATOR



GENERAL NOTES

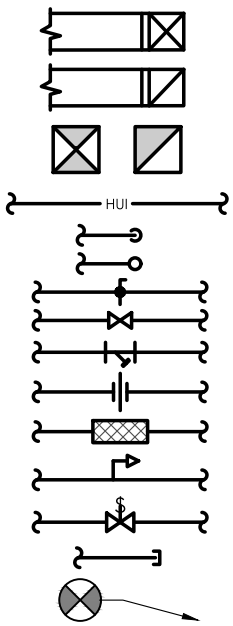
COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING CONSTRUCTION. SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

SPECIFIC NOTES:

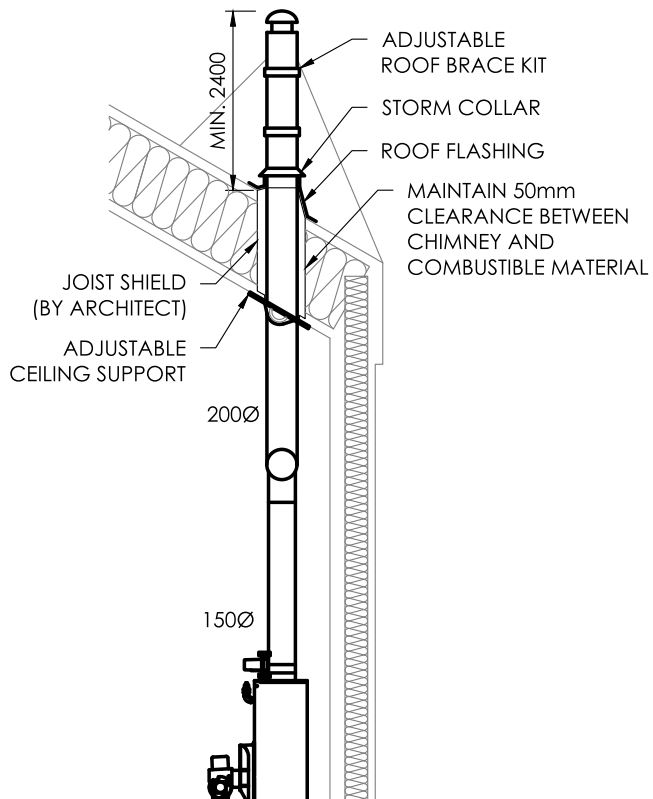
1. INSTALL DRAFT REGULATORS AND BLOCKED VENT SAFETY SWITCHES (SUPPLIED WITH BOILERS) IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
2. SUPPLY AND INSTALL CHIMNEYS WITH SELKIRK CONNECTORS, TYPE DS.
3. PROVIDE STAINLESS STEEL SECTIONAL INSULATED CHIMNEY, ULC S-604 APPROVED. INSIDE FREE SECTION DIAMETER ARE SHOWN ON PLAN. PROVIDE CHIMNEY WITH ALL REQUIRED ACCESSORIES: LOCKING BAND, CEILING AND ROOF SUPPORTS, ELBOWS AND TEES, PLUGS, FLASHING, STORM COLLAR, ROUND TOP CAP AND ROOF BRACE KIT. SELKIRK ULTRA-TEMP OR APPROVED EQUIVALENT.
4. 150Ø OIL WARM UP PIPE, MINIMUM 600mm IN LENGTH, TO BE CONNECTED TO OIL SUPPLY SYSTEM.
5. STAINLESS STEEL DRIP PAN UNDER BURNERS AND OIL PIPING.

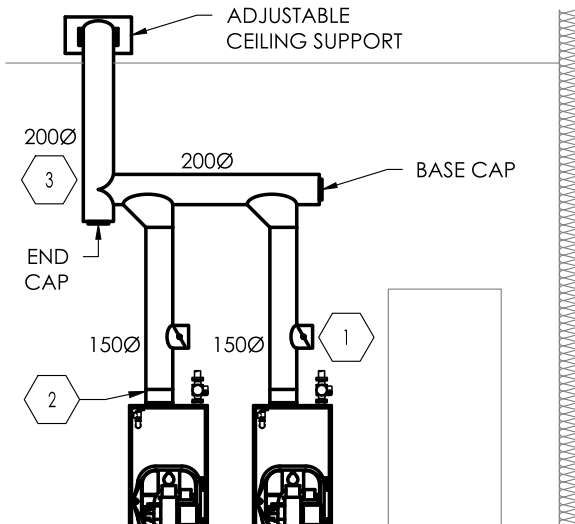
LEGEND



- SUPPLY DUCT
- RETURN OR EXHAUST DUCT
- SUPPLY DUCT AND RETURN DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
- OIL
- DOWN PIPING
- UP PIPING
- BUTTERFLY VALVE
- VAVLE
- OIL FILTER
- UNION
- FLEXIBLE CONNECTOR
- AIR BLEEDER
- FUSIBLE HEAD VALVE
- CAP
- CONNECTION TO EXISTING NETWORK

NOTE :
ALL SYMBOLS ILLUSTRATED IN THIS LEGEND WILL NOT NECESSARILY BE USED FOR THIS PROJECT.





GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING CONSTRUCTION. SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

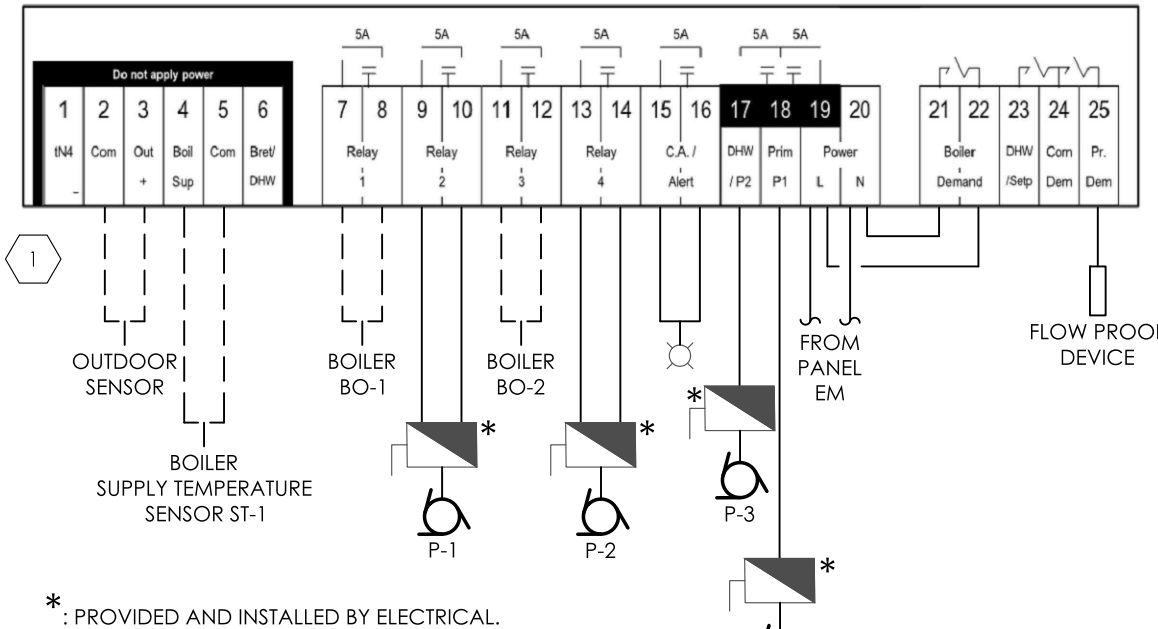
VERIFY EXISTING CONDITIONS ON SITE

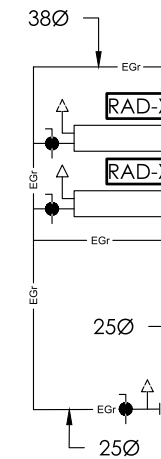
(1) SUPPLY AND INSTALL NEW CONTROLLER, TEKMAR 274.

LEGEND

DW	DOWN
NO	NORMALLY OPEN
EXP-1	EXPANSION TANK
GM-1	GLYCOL MIXER
HC-X	HEATING COIL
P-X	PUMP
	EXISTING SERVICES
EGa	GLYCOL - SUPPLY
EGr	GLYCOL - RETURN
HUI	OIL
	24 V (ac)
	120 V (ac)
FD	FLOOR DRAIN (FD)
	DOWN PIPING
	UP PIPING
	BUTTERFLY VALVE
	VAVLE
	UNION
	PRESSURE VALVE
	THERMOSTATIC VAVLVE
	THERMOSTATIC VAVLVE
	PRESSURE GAUGE
	TEMPERATURE PROBE
	THERMOMETER
	AUTOMATIC AIR VENT
	STRAINER
	AIR SEPERATOR
	PRESSURE RELIEF VALVE
	PUMP
	CAP
	FUSED DISCONNECT SWITCH

PU			
IDENTIFICATION	DESCRIPTION	MODEL	
P-1 & 2	BOILER CIRCULATION PUMP	GRUNDFOS UPS 26-96F	
P-3 & 4	CIRCULATION PUMP	GRUNDFOS UPS 50-80/2F	





*: PROVIDED AND INSTALLED BY ELECTRICAL.

MAINTENANCE GARAGE AND FENCE REH

VISITOR CENTER

Pangnirtung, Nunavut

PCAU-04-02

PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 8TH 2019

DRAWING

VC-E000 - ELECTRICAL TITLE PAGE
VC-E050 - SERVICES - GROUND FLOOR - DEMOLITION
VC-E080 - ELECTRICAL DISTRIBUTION AND PANELS
VC-E100 - SERVICES - GROUND FLOOR

LEGEND

	SURFACE FLUORESCENT 1'x4'
$	120V SWITCH
	120/240V SURFACE ELECTRICAL PANEL
	COMBINED MAGNETIC STARTER
	TRANSFERT SWITCH
	FUSED DISCONNECT SWITCH
CP	BOILER CONTROLLER
	24V (AC)
	120V (AC)
	BOILER
	MOTOR
	INDICATOR LAMP
$U	EMERGENCY SWITCH

GENERAL NOTES

1- EXCEPT OTHERWISE NOTED, ALL EQUIPMENTS ARE TO BE KEPT.

2- ELECTRICAL WIRING RELATED TO BO-1, BO-2, P-1, P-2, P-3 AND P-4 ARE TO BE DISMANTLED UP TO THE ELECTRICAL PANEL.

SPECIFIC NOTES:

1 TO BE DEMOLISHED.

PANEL : EM

LOCATION : BOILER ROOM
MOUNTING : SURFACE
TYPE : -

VOLTS : 120/240
PHASES : 1
WIRES : 3

NOTES	POLE NO.	DESCRIPTION	BREAKER SIZE	NO. OF POLE	A		B		NO. OF POLE	BREAKER SIZE	DESCRIPTION
-	1	HYDRONIC SYSTEM GM-1 (NEW)	15 A	1	50	0			1	15 A	SPARE
-	3	SPARE	20 A	1			0	0	1	15 A	SPARE
-	5	PUMP P-6	20 A	1	0	0			1	15 A	UNIT HEATER
-	7	BOILER #1	20 A	1			0	0	1	15 A	CONTROL POWER PANEL (EXISTING)
-	9	BOILER #2	20 A	1	0	0			1	15 A	MIXING VALVE FOR VENTILATION SYSTEM
-	11	SPARE	20 A	1			0	0	1	15 A	BOILER CONTROL PANEL (NEW)
TOTAL LOAD :					50		0				

LEGEND :

TC : TIME CLOCK
C : CONTACTOR
E : EXISTING

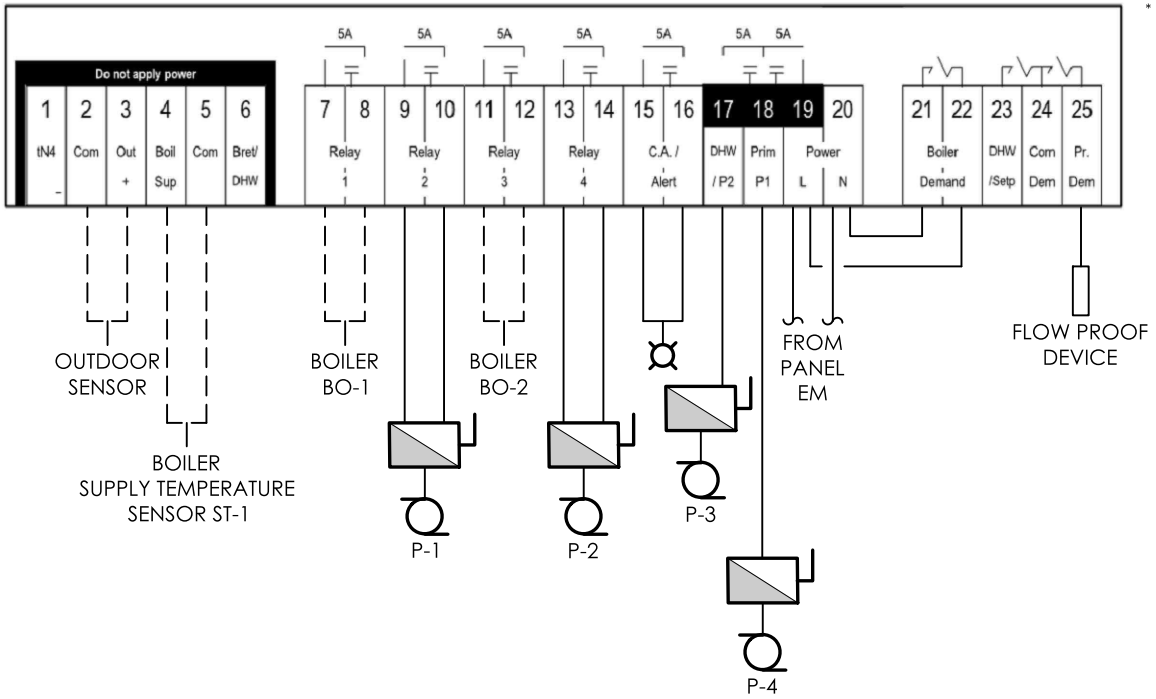
ELECTRICAL CONNECTION CALCULATION

TOTAL CONNECTED LOAD : 50 W / (240)

TOTAL AMPERAGE : 0 A

LEGEND

- SURFACE FLUORESCENT 1'x4'
- $ 120V SWITCH
- 120/240V SURFACE ELECTRICAL PANEL
- COMBINED MAGNETIC STARTER
- TRANSFERT SWITCH
- FUSED DISCONNECT SWITCH
- CP BOILER CONTROLLER
- 24V (AC)
- 120V (AC)
- BOILER
- MOTOR
- INDICATOR LAMP
- $ EMERGENCY SWITCH



* : CONTROL PANEL, ACCESSORIES AND BOILER PROVIDED BY MECHANICAL.

GENERAL NOTES:

1 - ALL SAFETY SWITCHES ARE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

MAINTENANCE GARAGE AND FENCE REH

WHITE HOUSE

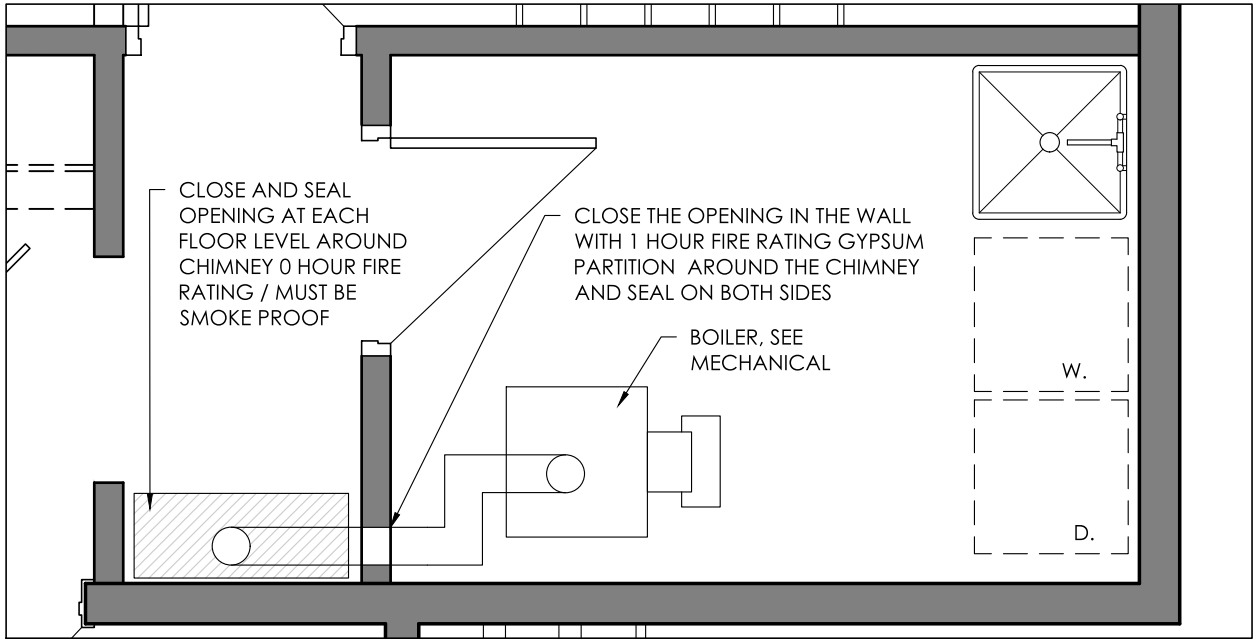
Pangnirtung, Nunavut

PCAU-01-02

PARKS CANADA

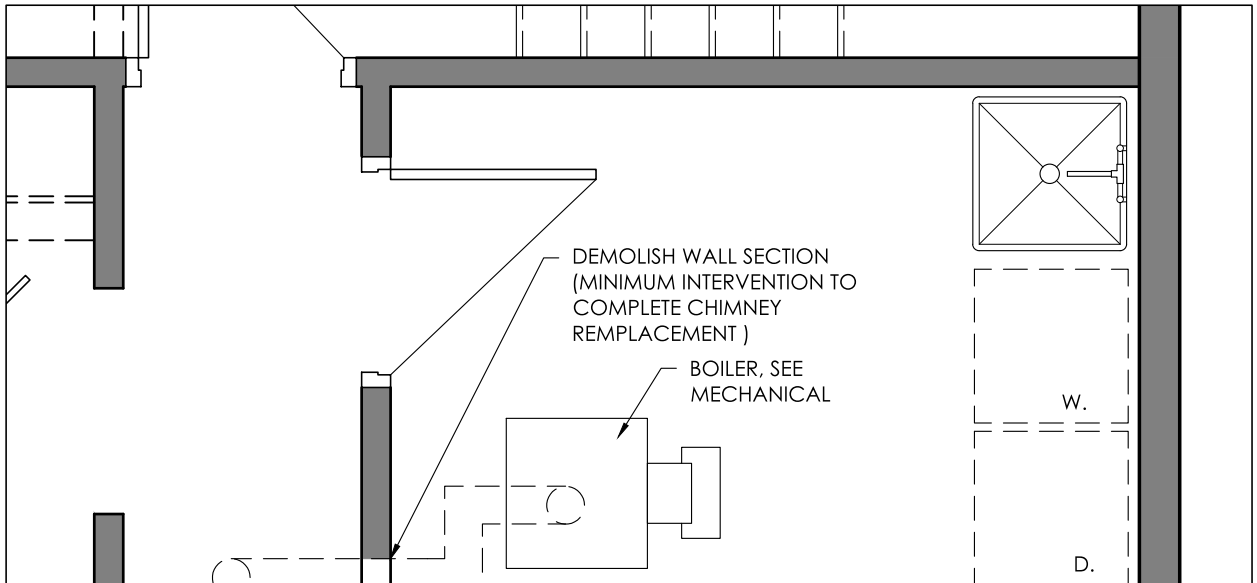
ISSUED FOR TENDER
FEBRUARY 8TH 2019

DRAWING	EMISSION
WH-A101 - FLOOR PLAN	04
WH-A102 - SECOND FLOOR PLAN	03
WH-A103 - ROOF PLAN	03
WH-A551 - GENERAL SECTION AND DETAIL	03



CLOSE UP UTILITY ROOM CONSTRUCTION 1:30

3
WH-A101



LEGEND - CONSTRUCTION / DEMOLITION

EXISTING WALL TO REMAIN

EXISTING WALL TO BE DEMOLISHED

WALL

SURFACE TO BE DEMOLISHED

PARTITION WALL TAG

PARTITION NR.

U/B : SLAB TO UNDESIDE OF BEAM (OR TRUSSES)

- : NO FIRE RATING

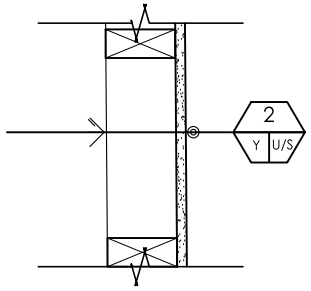
SPECIFIC DEMOLITION NOTES

D1 PROTECT BATH AND SERVICES

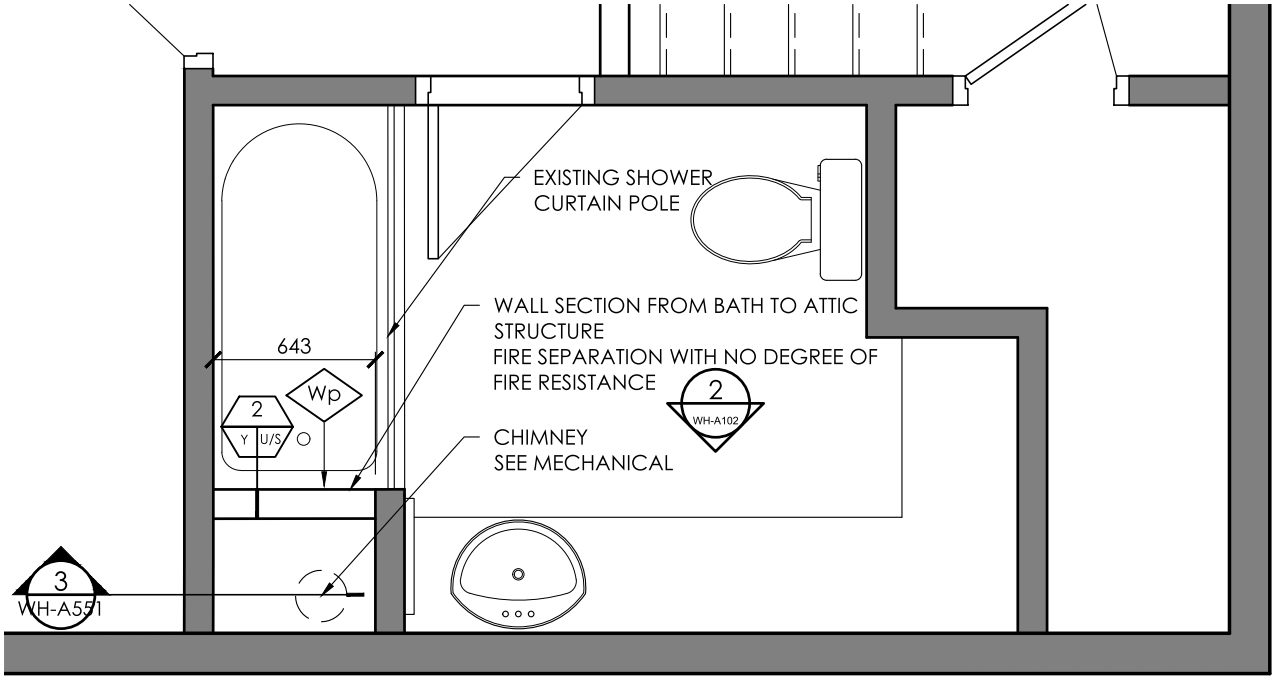
D2 REMOVE AND REINSTALL POLE AND SHOWER CURTAIN

MATERIAL LEGEND:

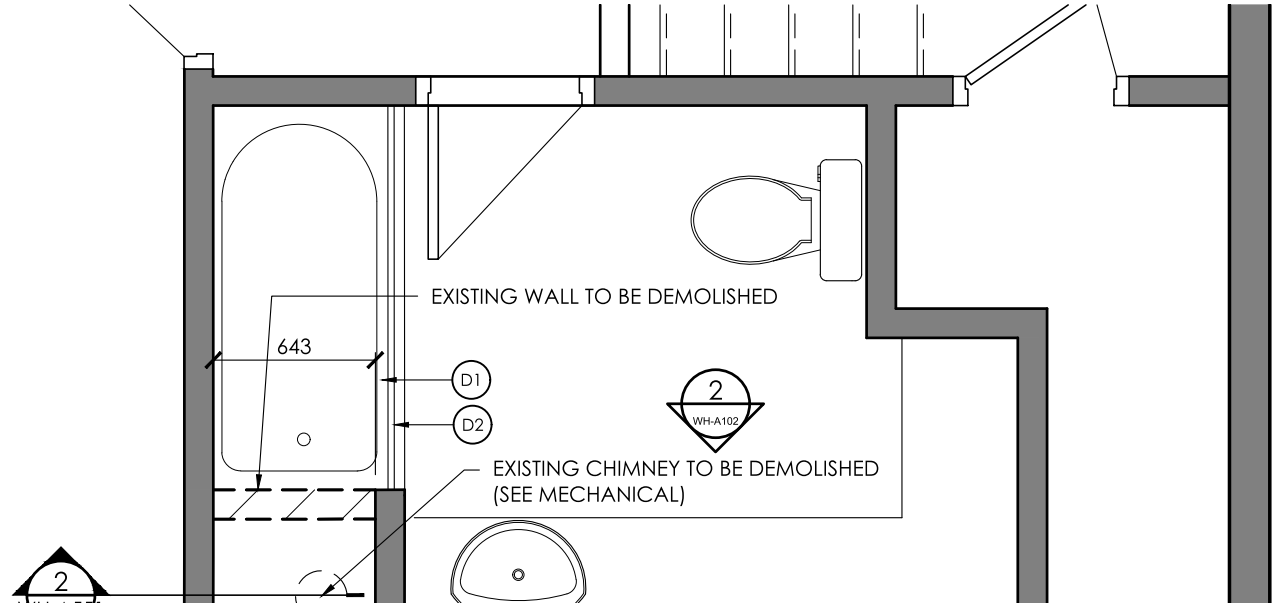
Wp FULL HEIGHT AND WIDTH GLUED WHITE VINYL WALL PROTECTION



INTERIOR PARTITION WALL TYPE 2
- WATERPROOF GYPSUM PANEL 16MM
- 38 MM x 89 MM WOOD STUD @ 400 C.C.



CLOSE UP BATHROOM CONSTRUCTION 1:30 4 WH-A102



LEGEND - CONSTRUCTION / DEMOLITION

EXISTING WALL TO REMAIN

EXISTING WALL TO BE DEMOLISHED

WALL

SURFACE TO BE DEMOLISHED

PARTITION WALL TAG

PARTITION NR.

U/B : SLAB TO UNDESIDE OF BEAM (OR TRUSSES)

- : NO FIRE RATING

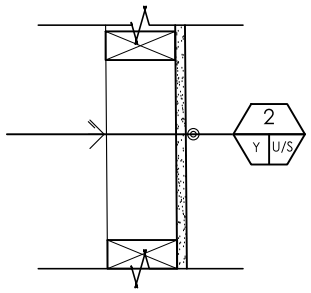
SPECIFIC DEMOLITION NOTES

D1 PROTECT BATH AND SERVICES

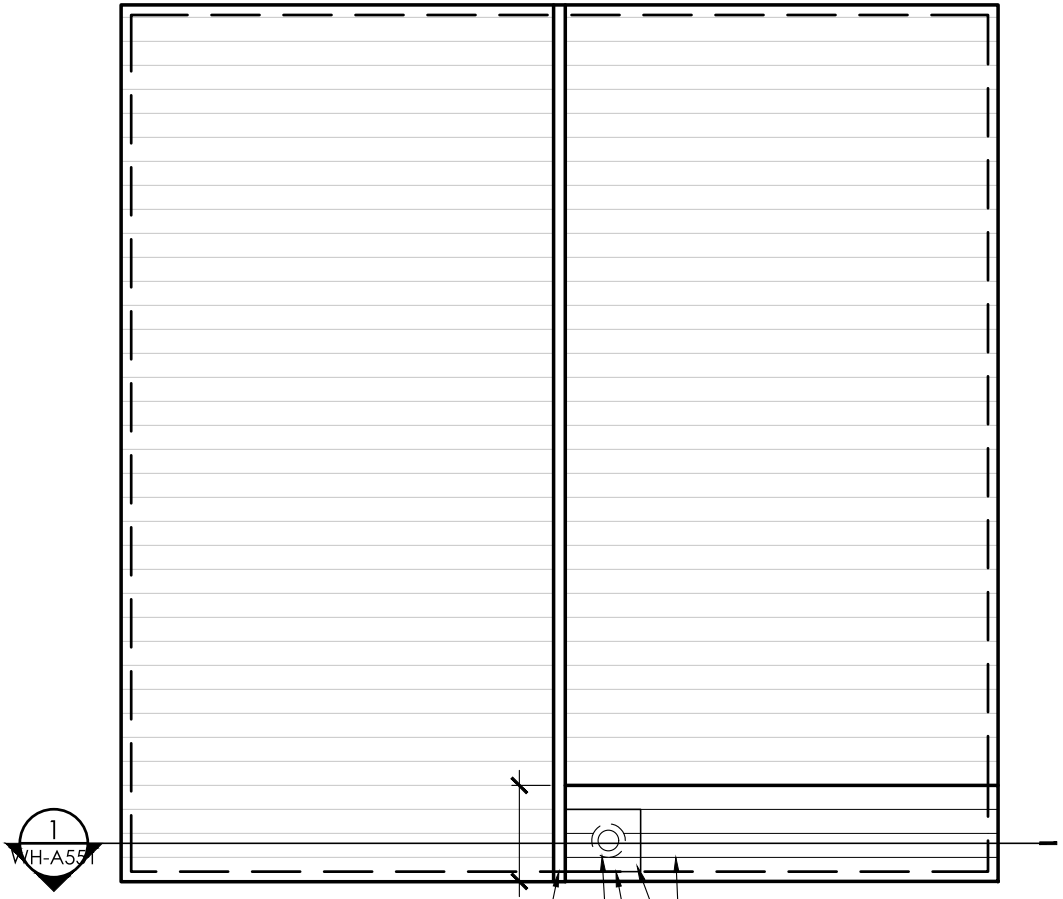
D2 REMOVE AND REINSTALL POLE AND SHOWER CURTAIN

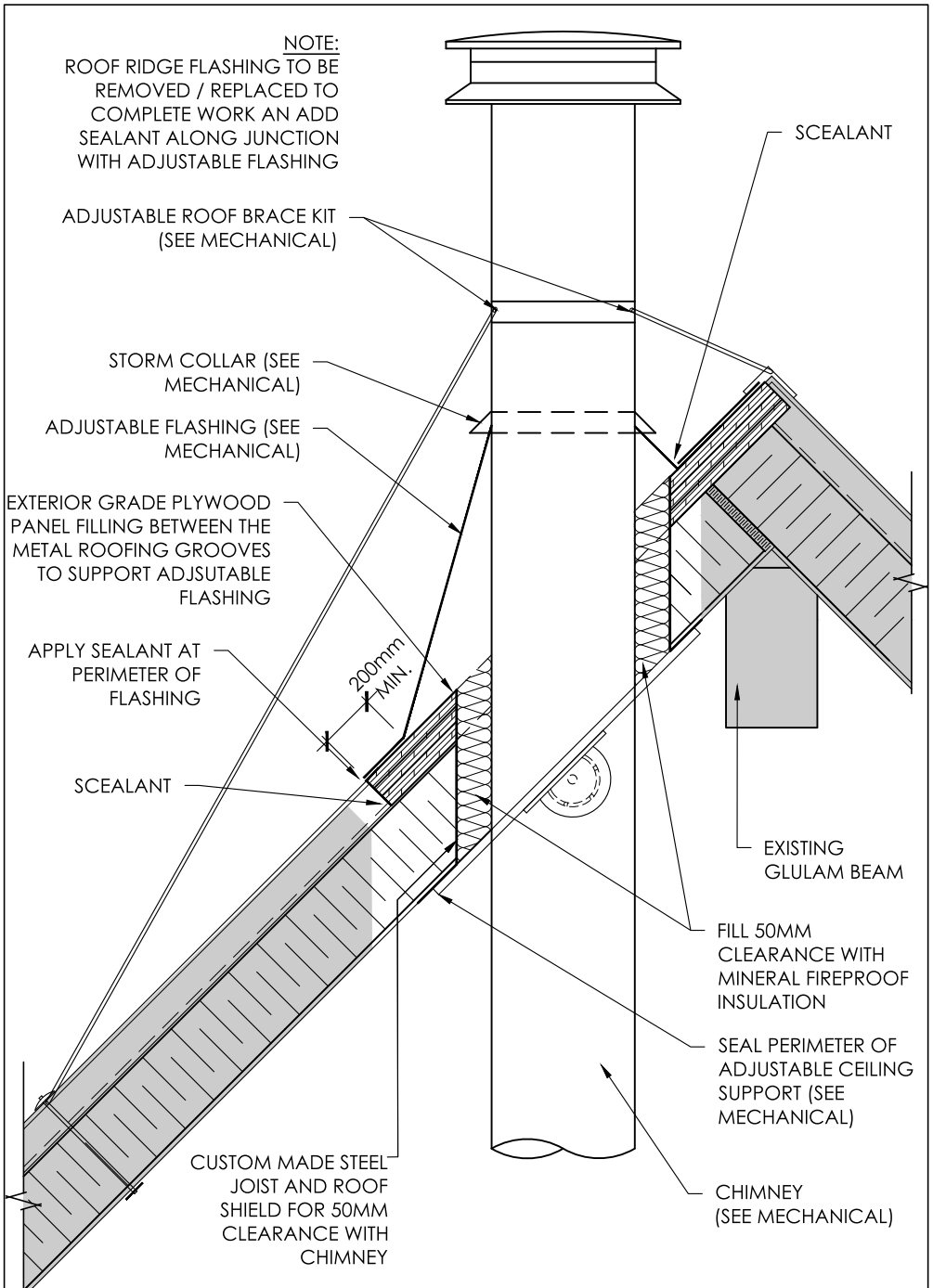
MATERIAL LEGEND:

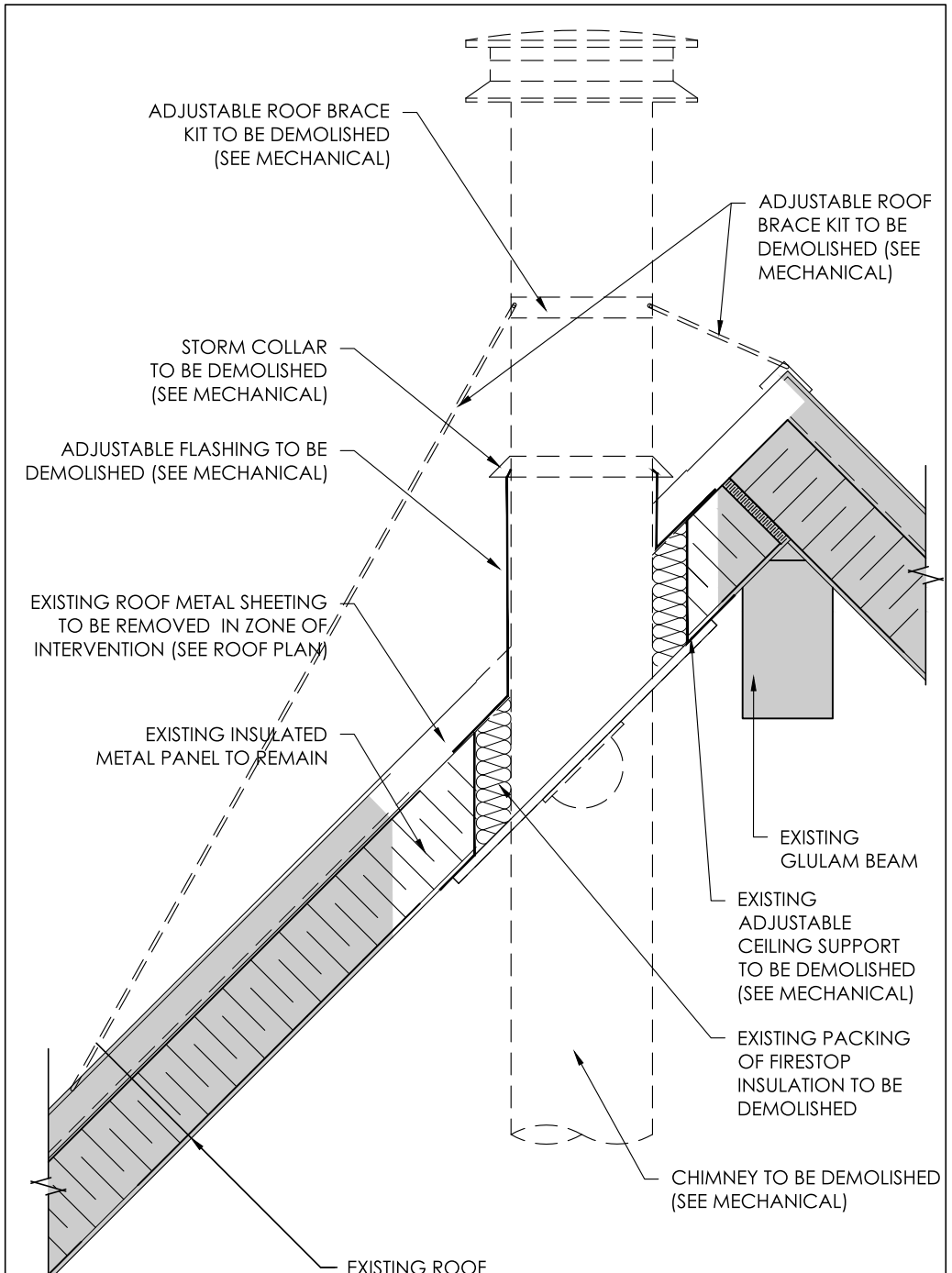
Wp FULL HEIGHT AND WIDTH GLUED WHITE VINYL WALL PROTECTION



INTERIOR PARTITION WALL TYPE 2
- WATERPROOF GYPSUM PANEL 16MM
- 38 MM x 89 MM WOOD STUD @ 400 C.C.




NOTE:
ROOF RIDGE FLASHING TO BE REMOVED / REPLACED TO COMPLETE WORK AN ADD SEALANT ALONG JUNCTION WITH ADJUSTABLE FLASHING
SCEALANT
ADJUSTABLE ROOF BRACE KIT (SEE MECHANICAL)
STORM COLLAR (SEE MECHANICAL)
ADJUSTABLE FLASHING (SEE MECHANICAL)
EXTERIOR GRADE PLYWOOD PANEL FILLING BETWEEN THE METAL ROOFING GROOVES TO SUPPORT ADJSUTABLE FLASHING
APPLY SEALANT AT PERIMETER OF FLASHING
200mm MIN.
SCEALANT
EXISTING GLULAM BEAM
FILL 50MM CLEARANCE WITH MINERAL FIREPROOF INSULATION
SEAL PERIMETER OF ADJUSTABLE CEILING SUPPORT (SEE MECHANICAL)
CUSTOM MADE STEEL JOIST AND ROOF SHIELD FOR 50MM CLEARANCE WITH CHIMNEY
CHIMNEY (SEE MECHANICAL)


ADJUSTABLE ROOF BRACE KIT TO BE DEMOLISHED (SEE MECHANICAL)
ADJUSTABLE ROOF BRACE KIT TO BE DEMOLISHED (SEE MECHANICAL)
STORM COLLAR TO BE DEMOLISHED (SEE MECHANICAL)
ADJUSTABLE FLASHING TO BE DEMOLISHED (SEE MECHANICAL)
EXISTING ROOF METAL SHEETING TO BE REMOVED IN ZONE OF INTERVENTION (SEE ROOF PLAN)
EXISTING INSULATED METAL PANEL TO REMAIN
EXISTING GLULAM BEAM
EXISTING ADJUSTABLE CEILING SUPPORT TO BE DEMOLISHED (SEE MECHANICAL)
EXISTING PACKING OF FIRESTOP INSULATION TO BE DEMOLISHED
CHIMNEY TO BE DEMOLISHED (SEE MECHANICAL)
EXISTING ROOF

MAINTENANCE GARAGE AND FENCE REH

WHITE HOUSE

Pangnirtung, Nunavut

PCAU-04-02
PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 08TH, 2019

DRAWING

WH-M000 - MECHANICAL TITLE PAGE
WH-M050 - DEMOLITION - FLOOR PLAN
WH-M100 - FLOOR PLAN
WH-M200 - BOILER ROOM PIPING AND CHIMNEY
WH-M300 - BOILER ROOM DETAILS, DIAGRAMS AND CONTROLS
WH-M400 - CONTROLS AND DIAGRAMS

GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING DEMOLITION.
SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

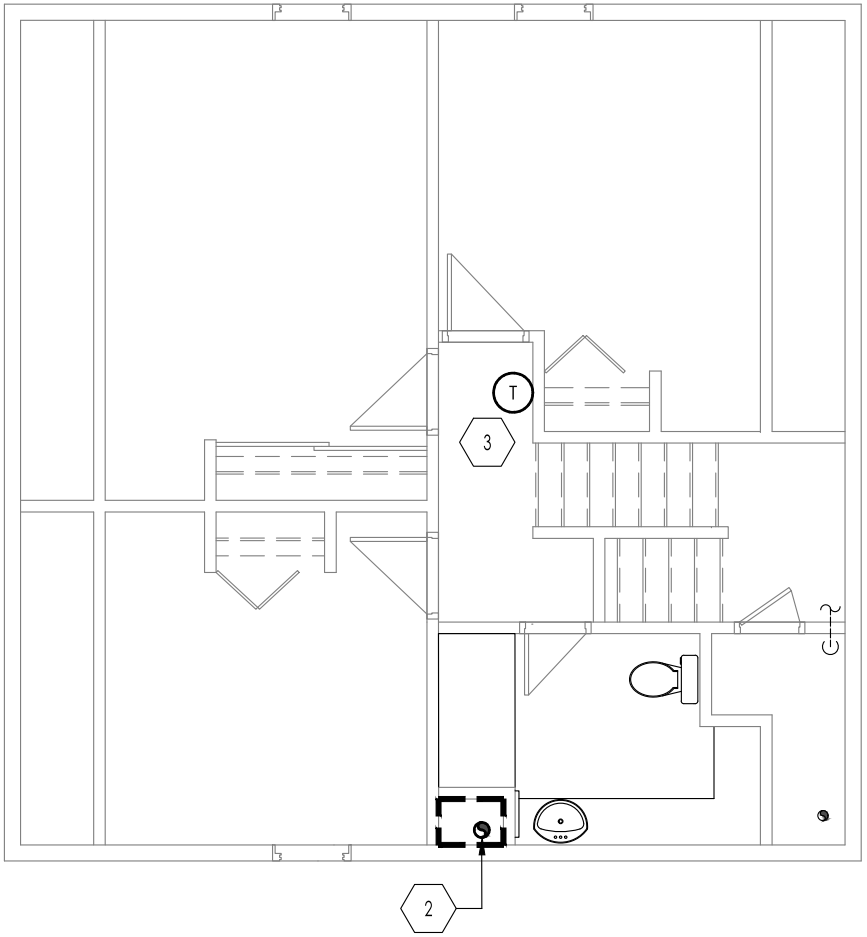
SPECIFIC NOTES:

1. EXISTING BOILER, PIPING AND ACCESSORIES TO BE DEMOLISHED.
2. DEMOLISH CHIMNEY COMPLETLY INCLUDING THROUGH THE ATTIC AND THE ROOF.
3. DEMOLISH THERMOSTAT AND REMOVE WIRING.
4. DEMOLISH OIL PIPING FROM BOILER TO ISOLATION VALVE OF OIL TANK.

LEGEND

	SUPPLY DUCT
	RETURN OR EXHAUST DUCT
	SUPPLY DUCT AND RETURN DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
	DIFFUSER OR GRILLE INSTALL ON WALL OR ON THE SIDE
	DEMOLISHION LIMIT
	FLOW DIRECTION
EGa	GLYCOL - SUPPLY
EGr	GLYCOL - RETURN
HUI	OIL
	DOWN PIPING
	UP PIPING
	CAP

NOTE :
ALL SYMBOLS ILLUSTRATED IN THIS LEGEND WILL NOT NECESSARILY BE USED FOR THIS PROJECT.



GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING CONSTRUCTION.
SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

SPECIFIC NOTES:

1. ENLARGED BOILER ROOM, SEE PLAN WH-M200.
2. SUPPLY AND INSTALL NEW THERMOSTAT, TEKMAR 518.

LEGEND

	SUPPLY DUCT
	RETURN OR EXHAUST DUCT
	SUPPLY DUCT AND RETURN DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
	DIFFUSER OR GRILLE INSTALL ON WALL OR ON THE SIDE
	DEMOLITION LIMIT
	FLOW DIRECTION
EGa	GLYCOL - SUPPLY
EGr	GLYCOL - RETURN
HUI	OIL
	DOWN PIPING
	UP PIPING
	CAP
T	THERMOSTAT

NOTE :
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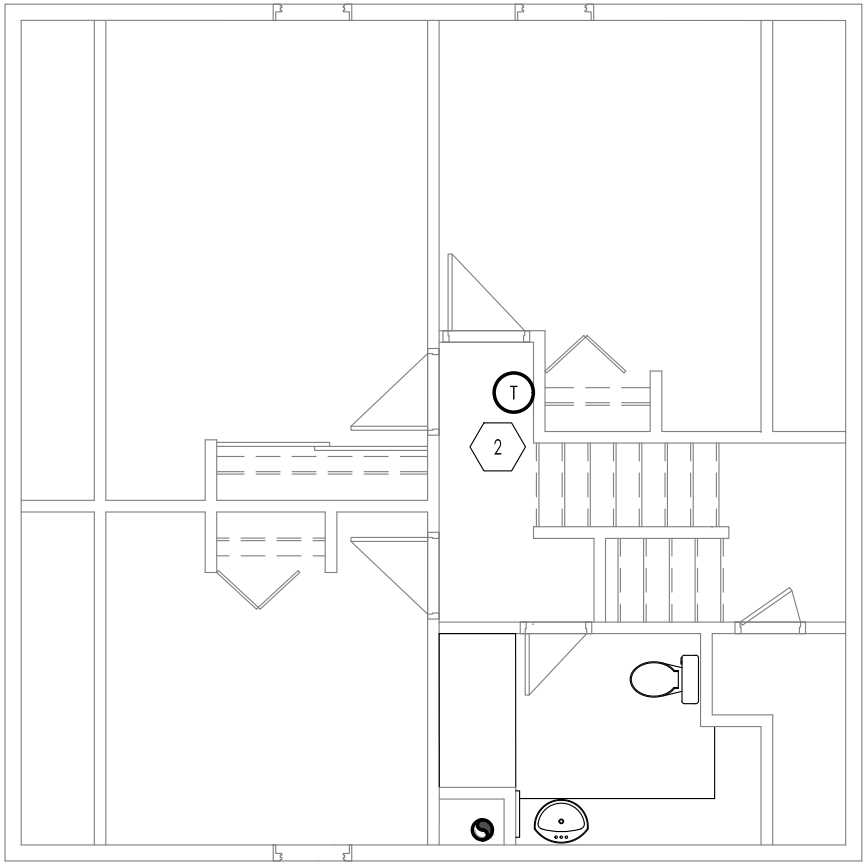


GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING DEMOLITION.
SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

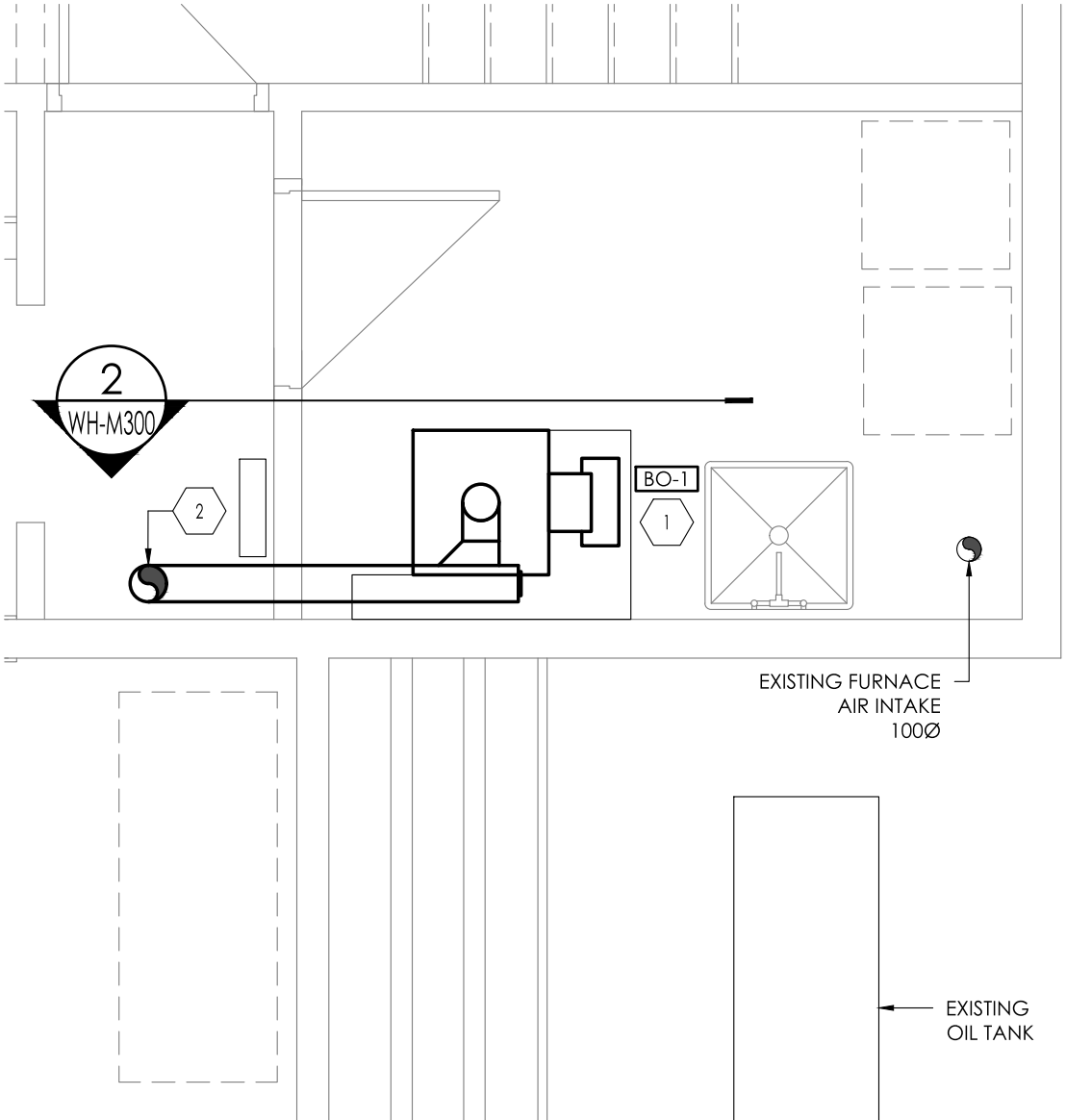
SPECIFIC NOTES:

1. SUPPLY AND INSTALL NEW BOILER, SEE DETAILS ON PLAN WH-M300.
2. SUPPLY AND INSTALL NEW CHIMNEY, 150 Ø.
3. SUPPLY AND INSTALL TWO (2) CIRCULATORS, GRUNDFOS MODEL: UPS 15-42F, 115V/1PH.
4. SUPPLY AND INSTALL NEW OIL PIPING. REFER TO OIL DIAGRAM FOR SIZING.

LEGEND

	EXHAUST DUCT
	EXHAUST DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
EGa	HOT WATER - SUPPLY
EGr	HOT WATER - RETURN
OIL	OIL
	DOWN PIPING
	UP PIPING
	BUTTERFLY VALVE
	VALVE
	OIL FILTER
	UNION
	FLEXIBLE CONNECTOR
	AIR BLEEDER
	FUSIBLE HEAD VALVE
	CONCENTRIC REDUCER
	CAP
	CONNECT TO EXISTING

NOTE :
ALL SYMBOLS ILLUSTRATED IN THIS LEGEND WILL NOT NECESSARILY BE USED FOR THIS PROJECT.



GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING DEMOLITION.
SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

VERIFY EXISTING CONDITIONS ON SITE

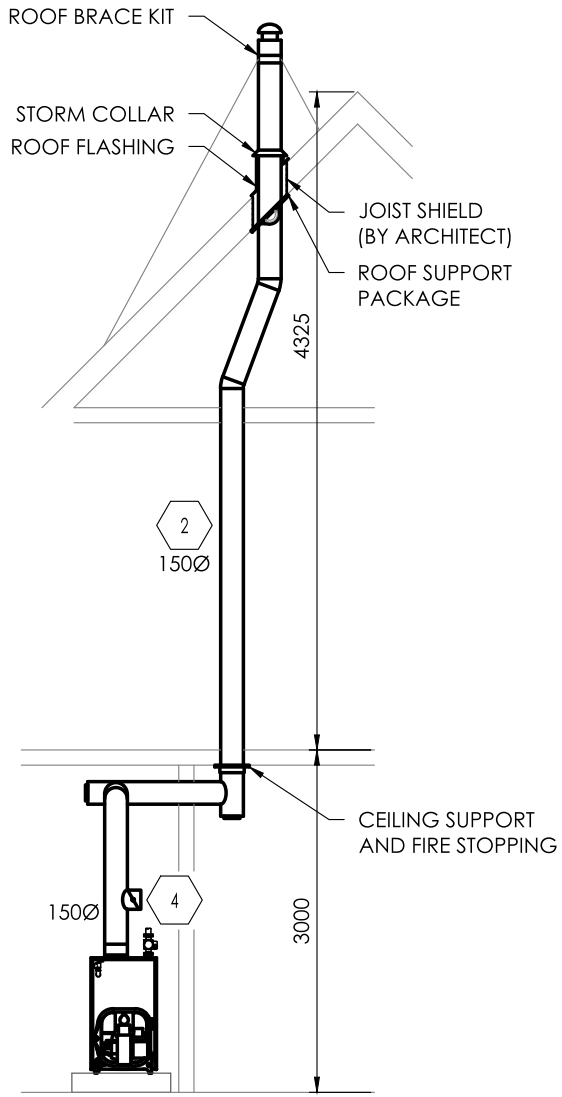
SPECIFIC NOTES:

1. SUPPLY AND INSTALL NEW BOILER, WEIL-MCLAIN MODEL: WGO-2, 120V/1PH, 28kW GROSS, 25kW NET OUTPUT, C/W RIELO BURNER, REFER TO SPECIFICATIONS.
2. PROVIDE AND INSTALL STAINLESS STEEL SECTIONAL INSULATED CHIMNEY, ULC S-604 APPROVED. INSIDE FREE SECTION DIAMETER ARE SHOWN ON PLAN. PROVIDE CHIMNEY WITH ALL REQUIRED ACCESSORIES: LOCKING BAND, CEILING AND ROOF SUPPORTS, ELBOWS AND TEES, PLUGS, FLASHING, STORM COLLAR, ROUND TOP CAP AND ROOF BRACE KIT. SELKIRK ULTRA-TEMP OR APPROVED EQUIVALENT.
3. 150Ø OIL WARM UP PIPE, MINIMUM 600mm IN LENGTH, TO BE CONNECTED TO OIL SUPPLY SYSTEM.
4. INSTALL DRAFT REGULATORS AND BLOCKED VENT SAFETY SWITCH (SUPPLIED WITH BOILERS) IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
5. SUPPLY AND INSTALL NEW EXPANSION TANK, EXTROL MODEL: AX-15 (V).
6. SUPPLY AND INSTALL TWO (2) CIRCULATORS, GRUNDFOS MODEL: UPS 15-42F, 115V/1PH, 0.32 L/s, 3.6 m OF HEAD.

LEGEND

	EXHAUST DUCT
	EXHAUST DUCT THROUGH THE ROOF OR SLAB UP OR DOWN ACCORDING TO THE INSTRUCTIONS
EGa	HOT WATER - SUPPLY
EGr	HOT WATER - RETURN
HUI	OIL
	DOWN PIPING
	UP PIPING
	BUTTERFLY VALVE
	VALVE
	OIL FILTER
	UNION
	FLEXIBLE CONNECTOR
	AIR BLEEDER
	FUSIBLE HEAD VALVE
	CONCENTRIC REDUCER
	CAP
	PRESSURE RELIEF VALVE
	CONNECT TO EXISTING

NOTE :



CHIMNEY DETAIL 2

NONE WH-M300

GENERAL NOTES

COORDINATE EXISTING SYSTEMS AND EQUIPMENTS BEFORE BEGINNING CONSTRUCTION. SUPPLY ENGINEER WITH WRITTEN NOTIFICATION FOR EVERY MODIFICATION.

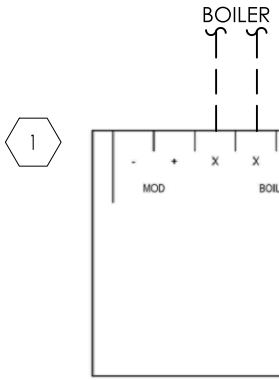
VERIFY EXISTING CONDITIONS ON SITE

1 SUPPLY AND INSTALL NEW CONTROLLER, TEKMAR 304P

LEGEND

	24 V (ac)
	120 V (ac)
	FUSED DISCONNECT SWITCH
	MOTOR
	INDICATOR LAMP

NOTE :
ALL SYMBOLS ILLUSTRATED IN THIS LEGEND WILL NOT NECESSARILY BE USED FOR THIS PROJECT.



*: PROVIDED AND INST

NOTE:

MAINTENANCE GARAGE AND FENCE REHA

WHITE HOUSE

Pangnirtung, Nunavut

PCAU-04-02
PARKS CANADA

ISSUED FOR TENDER
FEBRUARY 08TH 2019

DRAWING

WH-E000 - ELECTRICAL TITLE PAGE
WH-E050 - SERVICES - GROUND FLOOR - DEMOLITION
WH-E100 - SERVICES - GROUND FLOOR

LEGEND

	SURFACE FLUORESCENT 1'x4'
$	120V SWITCH
	120/240V SURFACE ELECTRICAL PANEL
	COMBINED MAGNETIC STARTER
	TRANSFERT SWITCH
	FUSED DISCONNECT SWITCH
CP	BOILER CONTROLLER
	24V (AC)
	120V (AC)
	BOILER
	MOTOR
$U	EMERGENCY SWITCH

BOILER PANEL 2

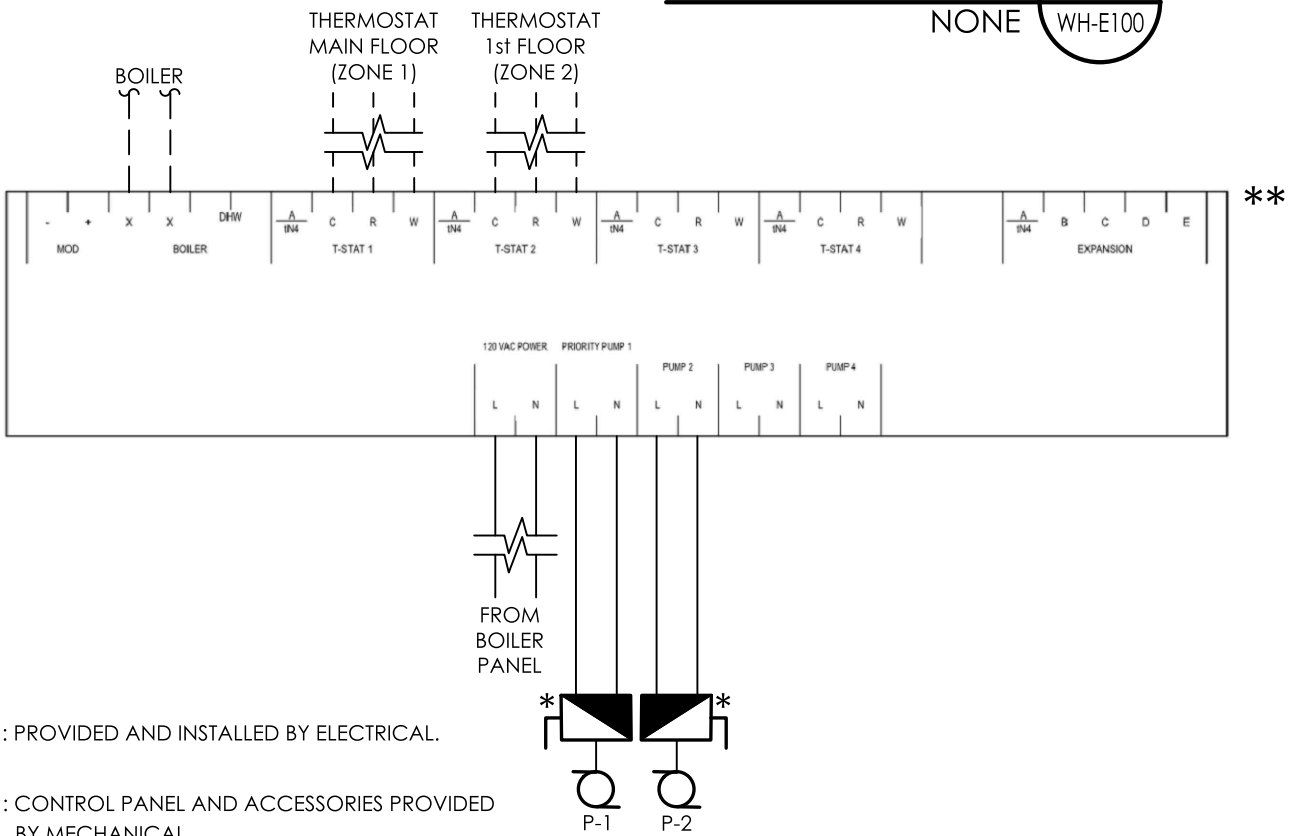
NONE WH-E100

LEGEND

	SURFACE FLUORESCENT 1'x4'
$	120V SWITCH
	120/240V SURFACE ELECTRICAL PANEL
	COMBINED MAGNETIC STARTER
	TRANSFERT SWITCH
	FUSED DISCONNECT SWITCH
CP	BOILER CONTROLLER
	24V (AC)
	120V (AC)
	BOILER
	MOTOR
$U	EMERGENCY SWITCH

BOILER PANEL 2

NONE WH-E100



* : PROVIDED AND INSTALLED BY ELECTRICAL.

** : CONTROL PANEL AND ACCESSORIES PROVIDED BY MECHANICAL