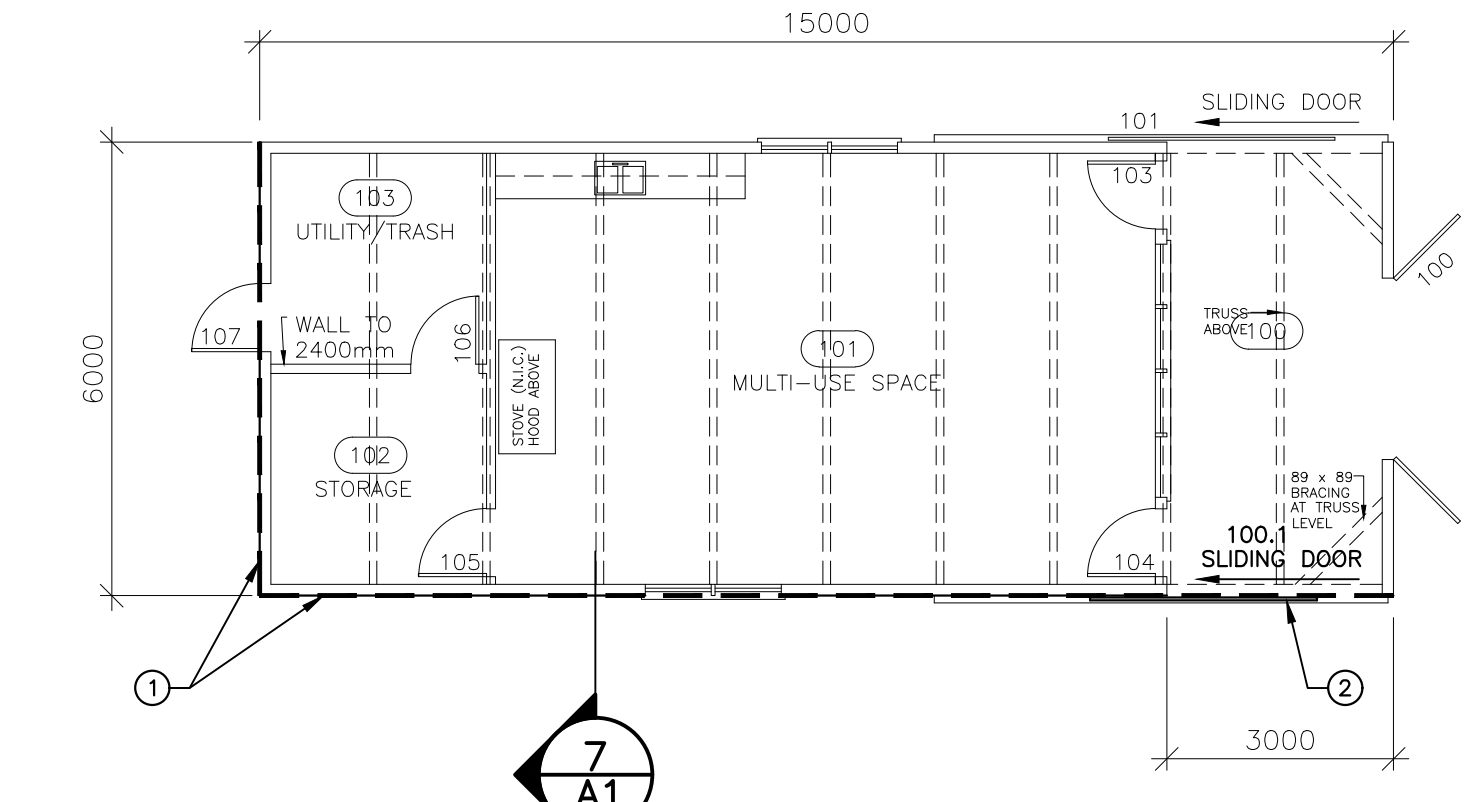


0	ISSUED FOR TENDER	09/25/2019
revisions		date

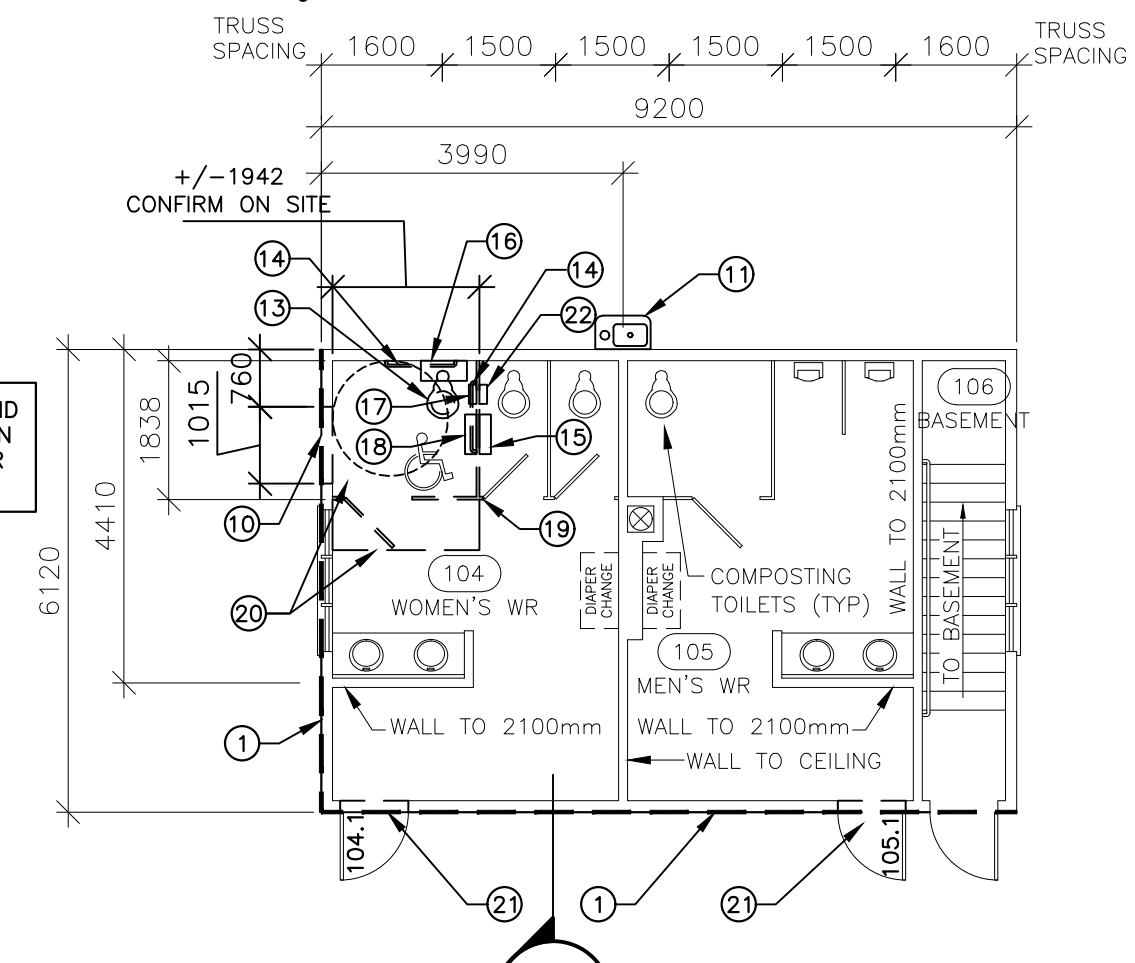
**GREENWICH BEACH
 COMPLEX REHABILITATION
 GREENWICH,
 PEI NATIONAL PARK**

**DEMOLITION
 PLANS & ELEVATIONS
 FOOD BARN,
 CHANGE ROOM,
 WASHROOM & NOTES**

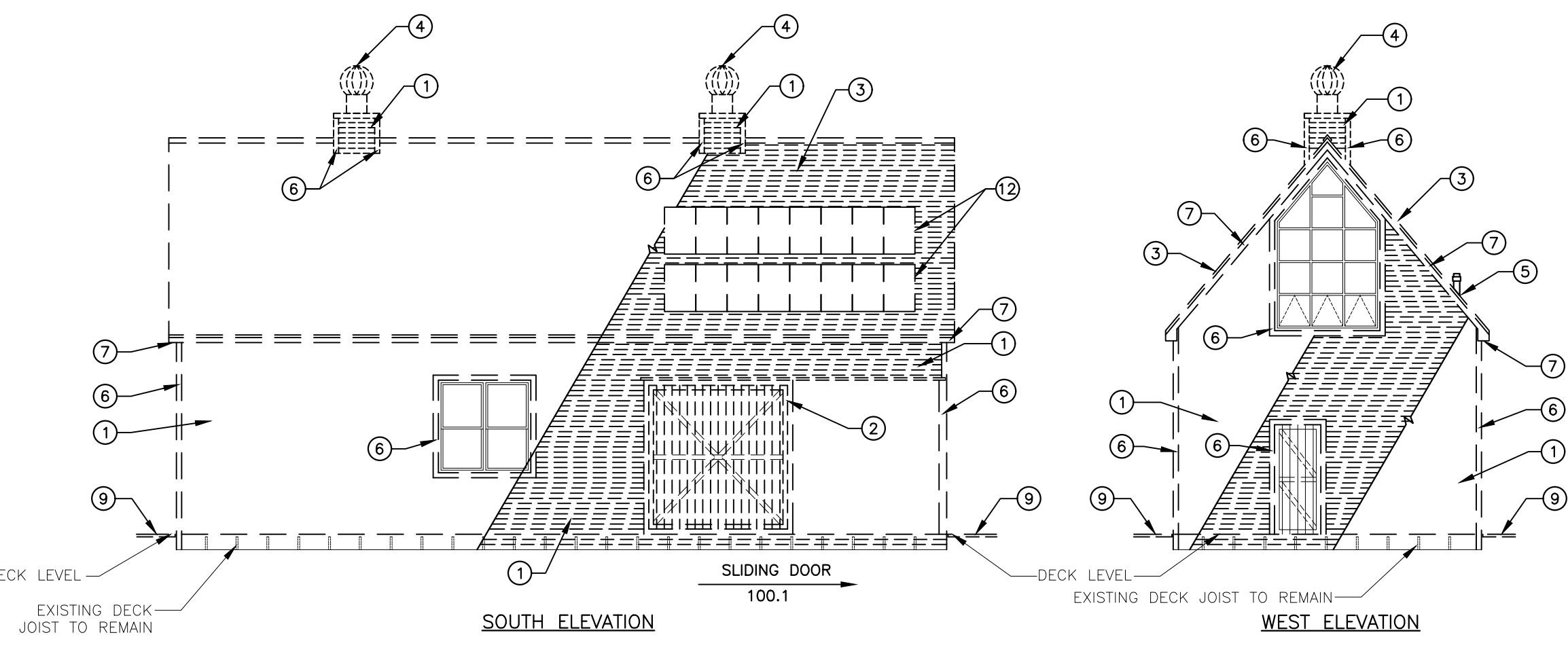
designed	Coles Associates Ltd.	congr
date	Aug. 2019	
drawn	Coles Associates Ltd.	dessiné
date	Aug. 2019	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSC	
project number		no. du projet
	191146	
drawing no.		no. du dessin
	A1 of A6	



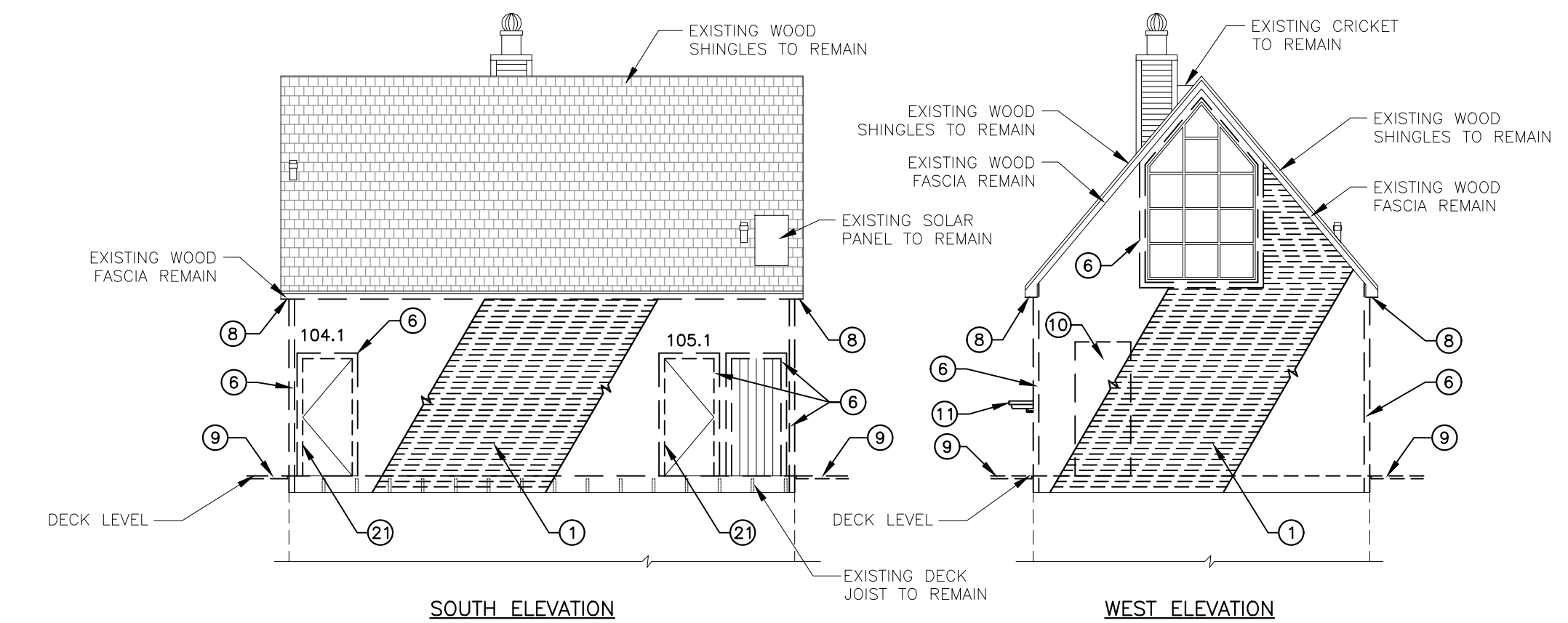
FOOD BARN FLOOR PLAN - DEMOLITION
 SCALE : 1:100



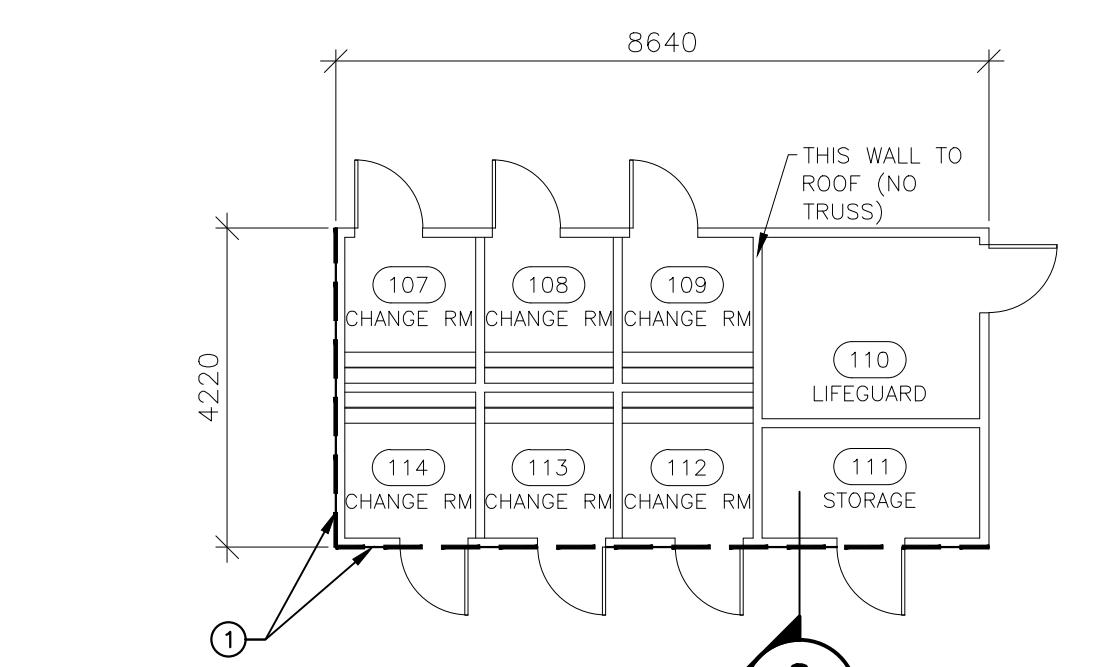
WASHROOM FLOOR PLAN - DEMOLITION
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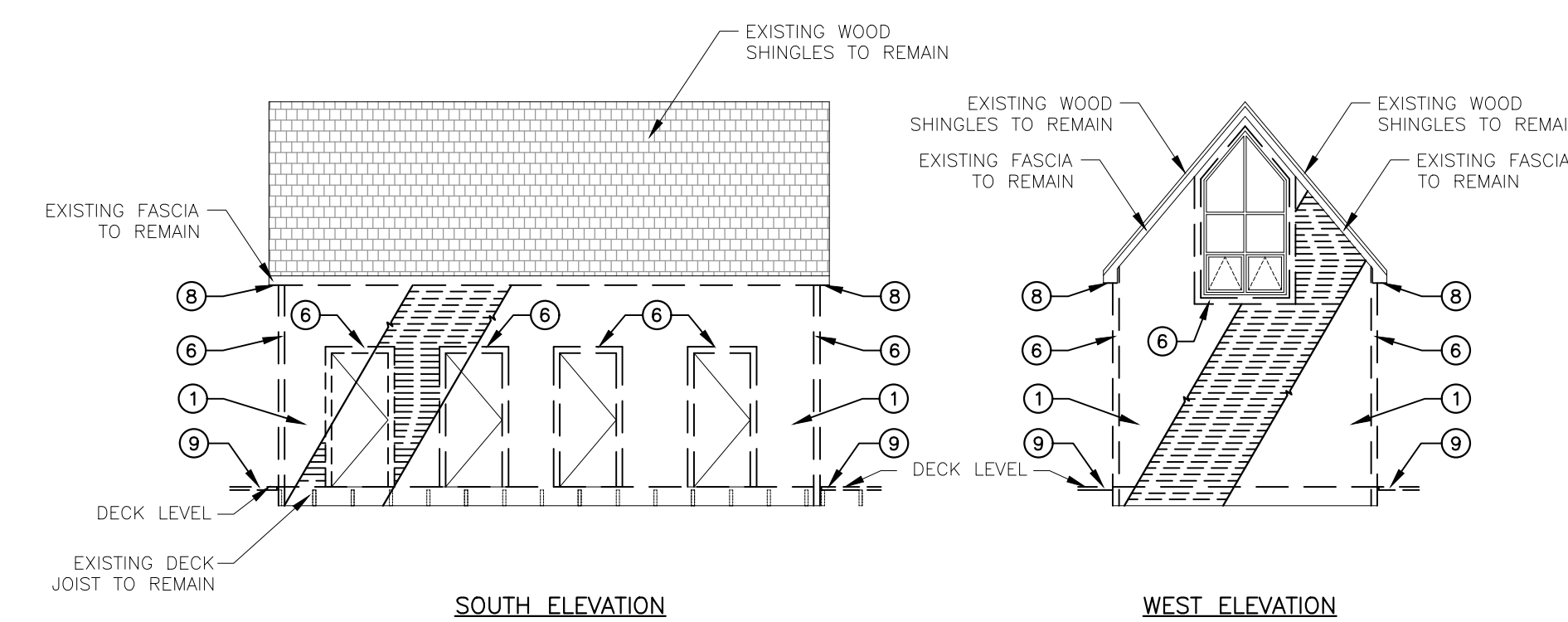
FOOD BARN ELEVATION - DEMOLITION
 SCALE : 1:100



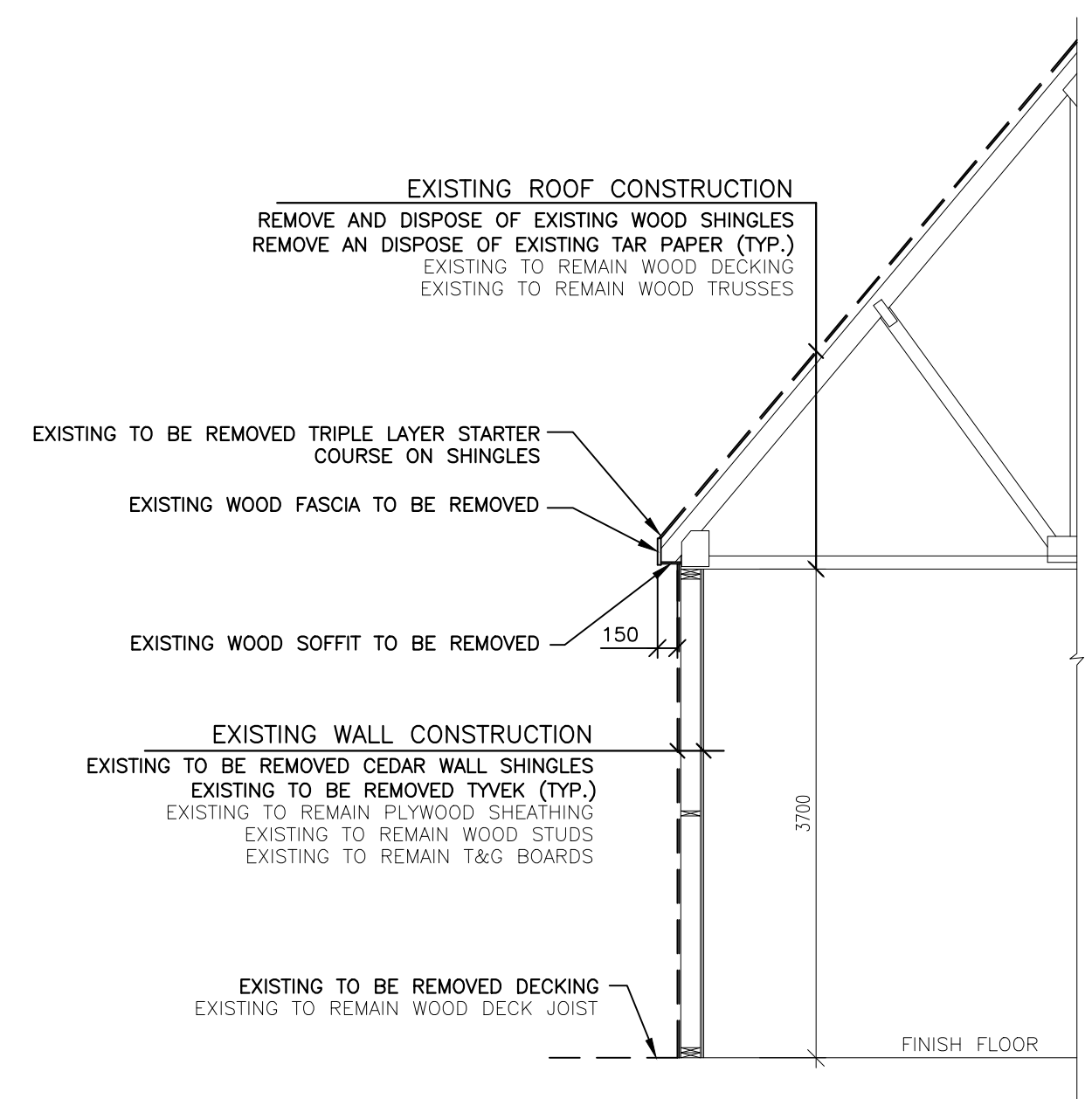
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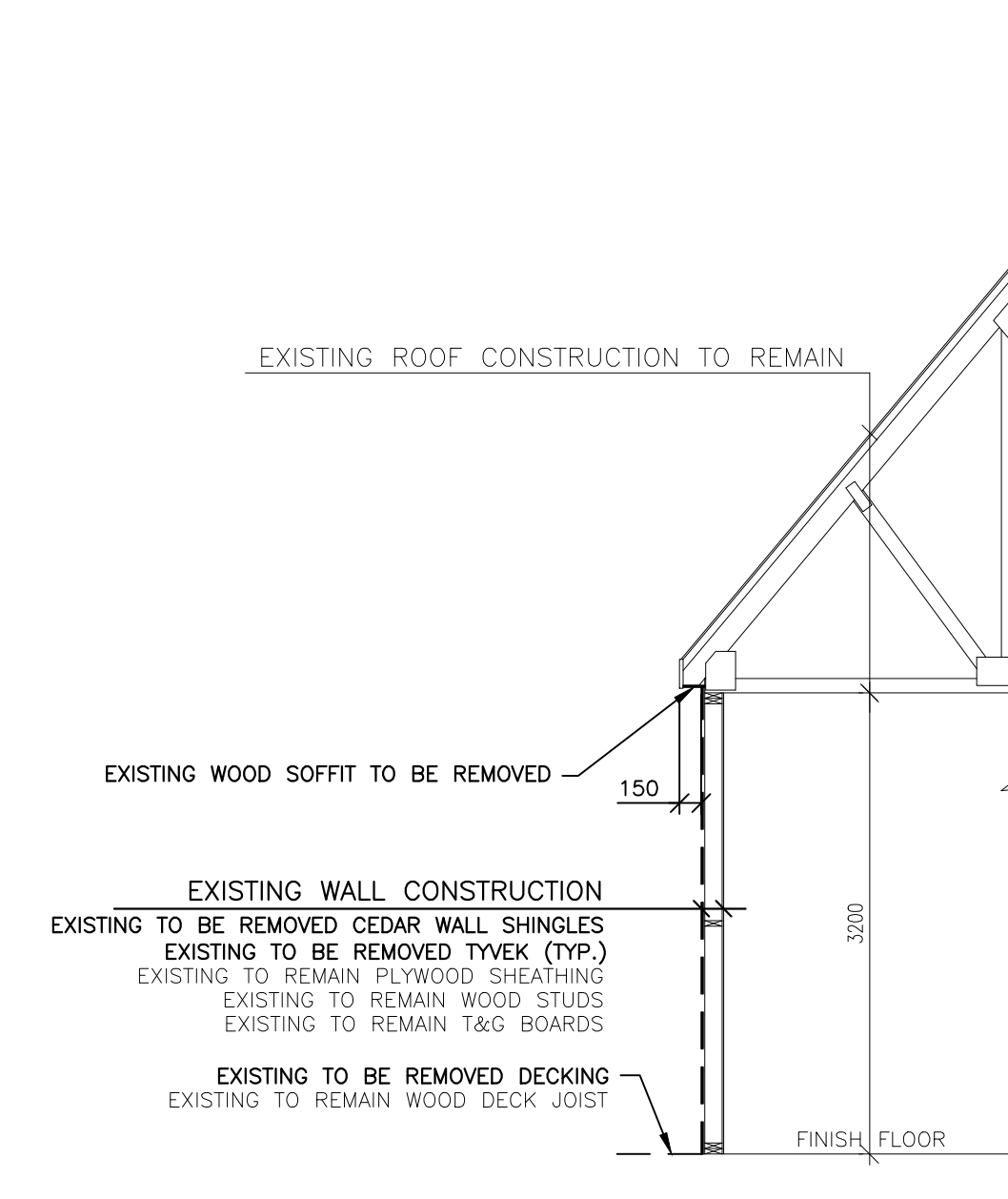
CHANGE ROOM FLOOR PLAN - DEMOLITION
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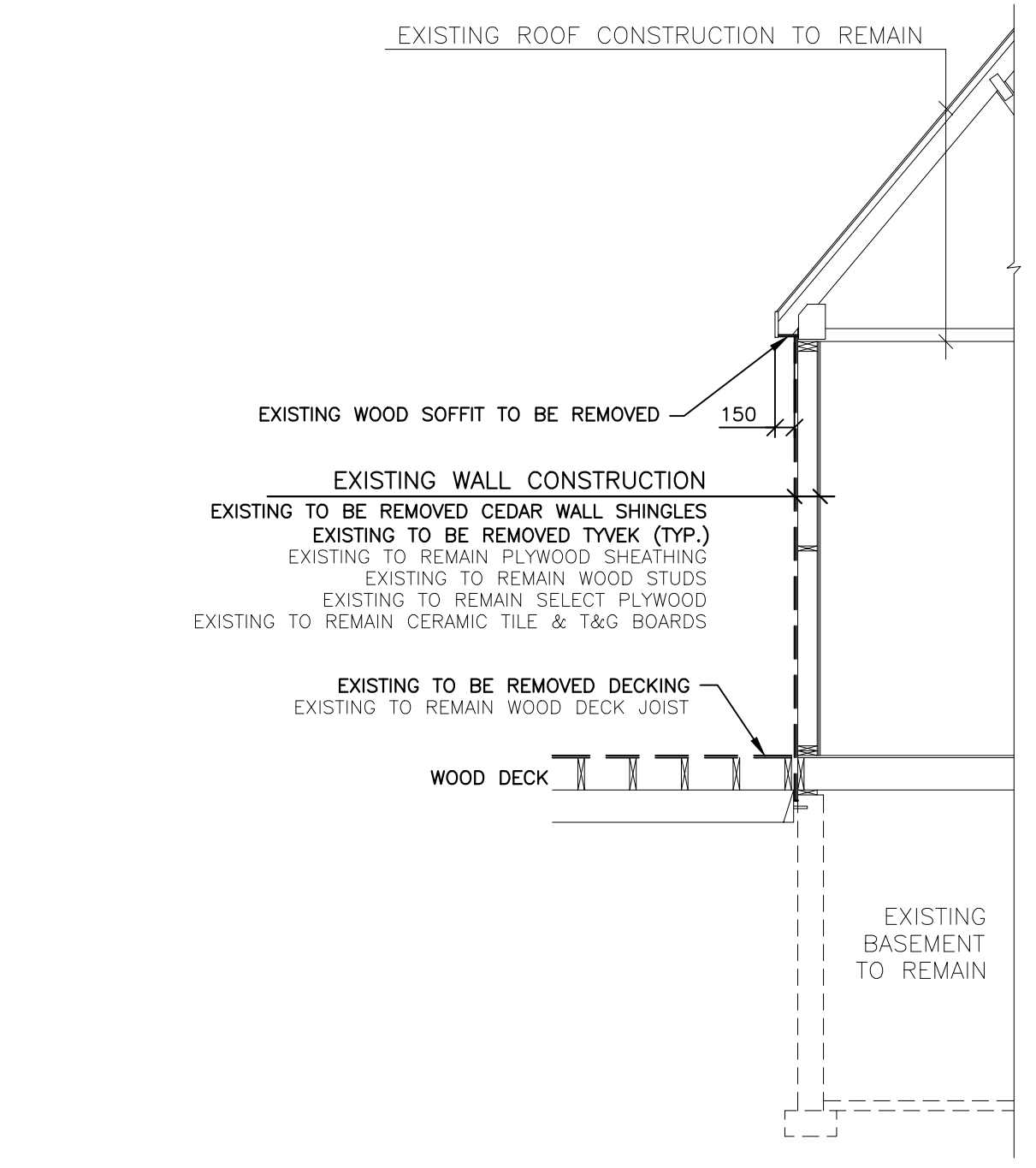
CHANGE ROOM ELEVATION - DEMOLITION
 SCALE : 1:100



FOOD BARN - EXISTING WALL SECTION
 SCALE : 1:50



CHANGE ROOM - EXISTING WALL SECTION
 SCALE : 1:50



WASHROOM - EXISTING WALL SECTION
 SCALE : 1:50

GENERAL NOTES:
 1. CONTRACTOR TO REMOVE AND DISPOSE OF ANY ROTTEN TRIM BOARDS, CORNER BOARDS AND ROOF WOOD DECKING.

LEGEND

(Solid line)	NEW WALL
(Dashed line)	EXISTING TO REMAIN
(Dotted line)	DEMOLITION
(Circle with number)	ROOM NAME AND NUMBER
(Circle with letters)	DOOR NUMBER
(Circle with E/W)	EXTERIOR WALL TYPE (REFER TO SCHEDULE)
(Circle with P/I)	INTERIOR PARTITION TYPE (REFER TO SCHEDULE)

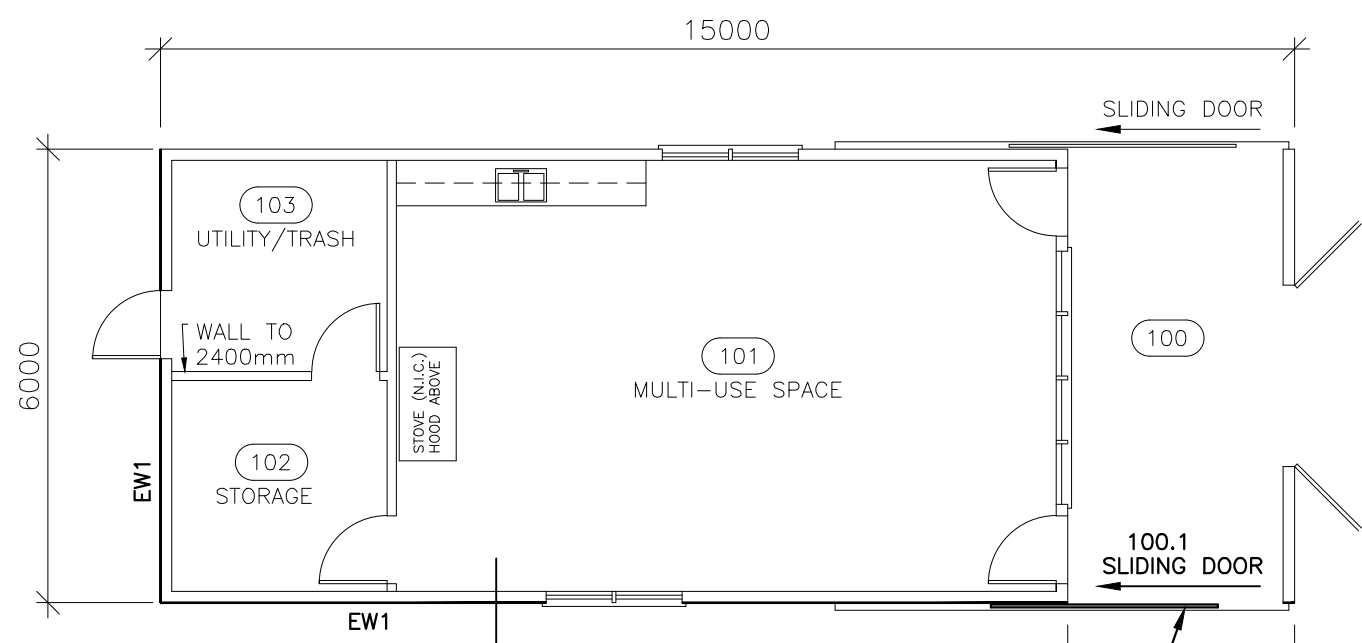
DEMOLITION NOTES

ITEM	DESCRIPTION
1	REMOVE AND DISPOSE OF EXISTING CEDAR WALL SHINGLES ON SOUTH AND WEST WALL.
2	REMOVE AND DISPOSE EXISTING WOODEN SLIDING DOOR AND TRACK ON SOUTH SIDE.
3	REMOVE AND DISPOSE OF EXISTING CEDAR ROOF SHINGLES AND TAR PAPER.
4	REMOVE AND DISPOSE OF EXISTING ROOF VENTILATORS.
5	REPLACE RUBBER BOOT ON SOIL STACK.
6	REMOVE AND DISPOSE EXISTING TRIM & OR CORNER BOARD.
7	REMOVE AND DISPOSE EXISTING FASCIA BOARD AND SOFFIT. REMOVE EXISTING GUTTER. EXISTING GUTTER TO BE RE-INSTALLED ONCE NEW FASCIA BOARD HAS BEEN INSTALLED.
8	REMOVE AND DISPOSE OF EXISTING SOFFIT
9	REMOVE AND DISPOSE ALL EXISTING DECKING, RAMPS, STEPS AND RAILING.
10	CUT OPENING INTO EXISTING WALL TO FACILITATE NEW DOOR W/TRANSOM. COORDINATE EXACT LOCATION OF OPENING WITH NEW FLOOR PLAN LAYOUT.
11	REMOVE AND DISPOSE EXISTING DRINKING WATER FOUNTAIN.
12	REMOVE EXISTING SOLAR PANELS. SOLAR PANELS TO BE RE-INSTALLED AND PUT BACK IN SAME LOCATION ONCE NEW ROOFING HAS BEEN INSTALLED.
13	EXISTING COMPOSTING TOILET TO BE REMOVED AND REUSED. COORDINATE NEW LOCATION WITH NEW FLOOR PLAN.
14	REMOVE EXISTING GRAB BAR, RETURN TO OWNER.
15	REMOVE EXISTING TOILET TISSUE DISPENSER. TOILET TISSUE DISPENSER TO BE RE-INSTALLED. COORDINATE NEW LOCATION WITH NEW FLOOR PLAN.
16	REMOVE EXISTING WOODEN SHELF. SHELF TO BE RE-INSTALLED. COORDINATE NEW LOCATION WITH NEW FLOOR PLAN.
17	REMOVE EXISTING SANITARY NAPKIN DISPOSAL, RETURN TO OWNER.
18	REMOVE EXISTING TOILET TISSUE DISPENSER, RETURN TO OWNER.
19	REMOVE AND DISPOSE OF EXISTING TOILET PARTITION WALL AND DOOR.
20	REMOVE AND DISPOSE OF EXISTING TILE FLOORING. COORDINATE EXACT AMOUNT OF FLOORING TO BE REMOVED WITH NEW FLOOR PLAN LAYOUT.
21	REMOVE AND DISPOSE EXISTING WOODEN JAMB ON MEN'S AND WOMEN'S WASHROOM DOORS.
22	REMOVE EXISTING SANITARY NAPKIN DISPOSAL. SANITARY NAPKIN DISPOSAL TO BE RE-INSTALLED. COORDINATE NEW LOCATION WITH NEW FLOOR PLAN.

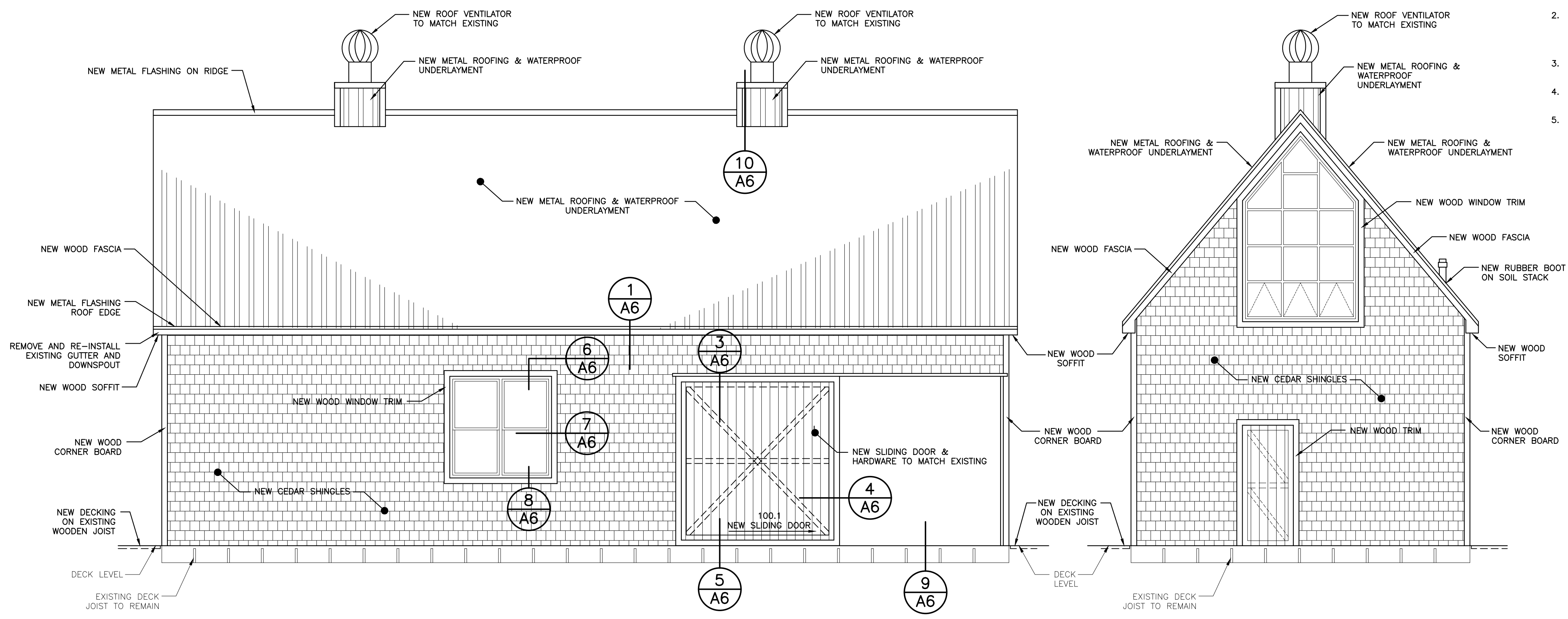
- GENERAL NOTES:**
1. VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
 2. THE WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA (NBC) (2015) UNLESS NOTED OTHERWISE ON THE DRAWING.
 3. COMPLY WITH ALL LOCAL, MUNICIPAL AND PROVINCIAL BY-LAWS AND REGULATIONS.
 4. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION.
 5. ALL NEW FASCIA BOARDS, SOFFIT, WINDOW TRIM, DOOR TRIM AND CORNER BOARDS TO MATCH EXISTING DIMENSION AND COLOUR.

COLES

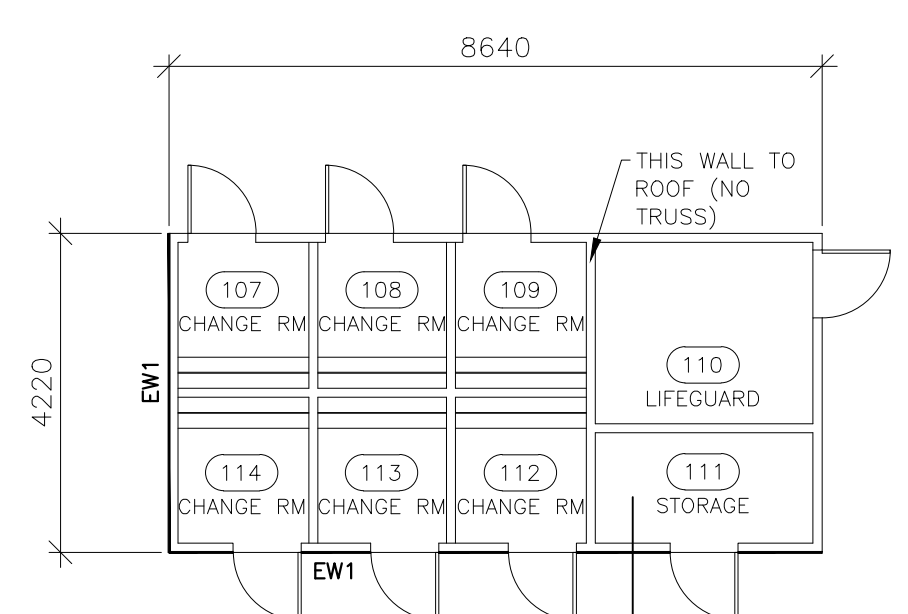
Architecture • Engineering • Project Management
 Suite 201, 85 Fitzroy Street
 Charlottetown, PEI, Canada, C1A 1R8
 Phone (867) 368-2300
 www.colesassociates.com



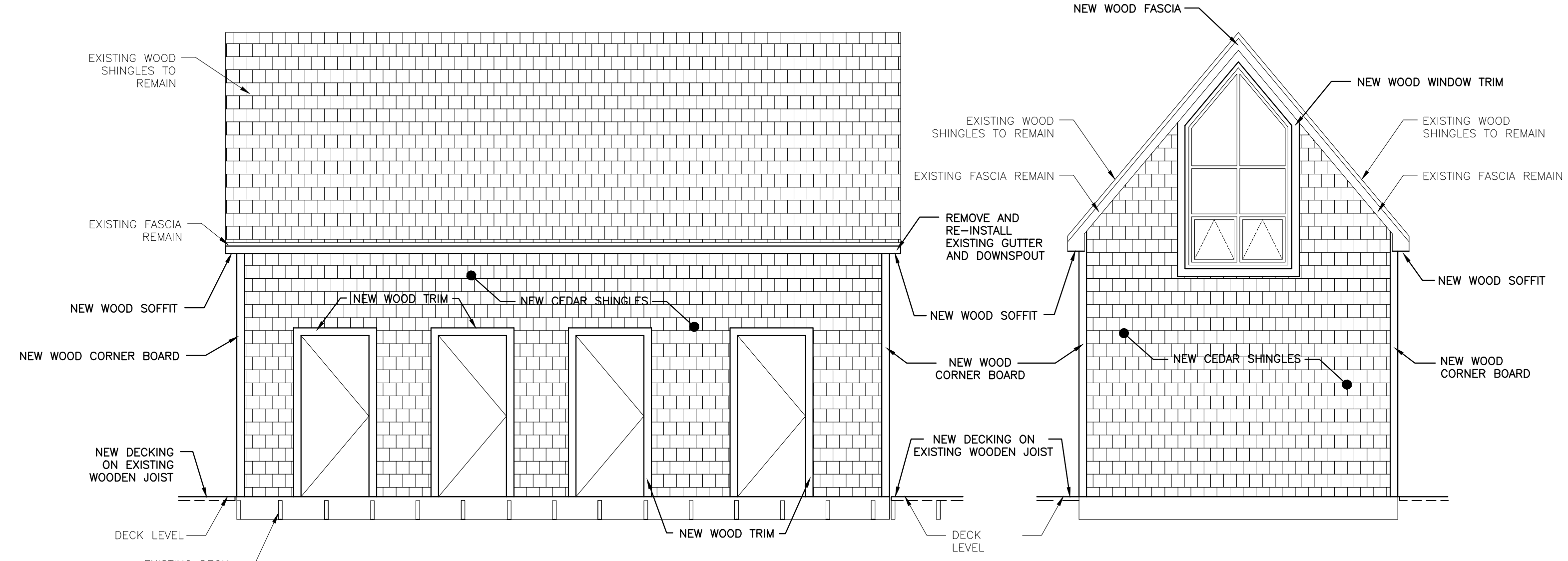
FOOD BARN FLOOR PLAN - NEW
 SCALE : 1:100



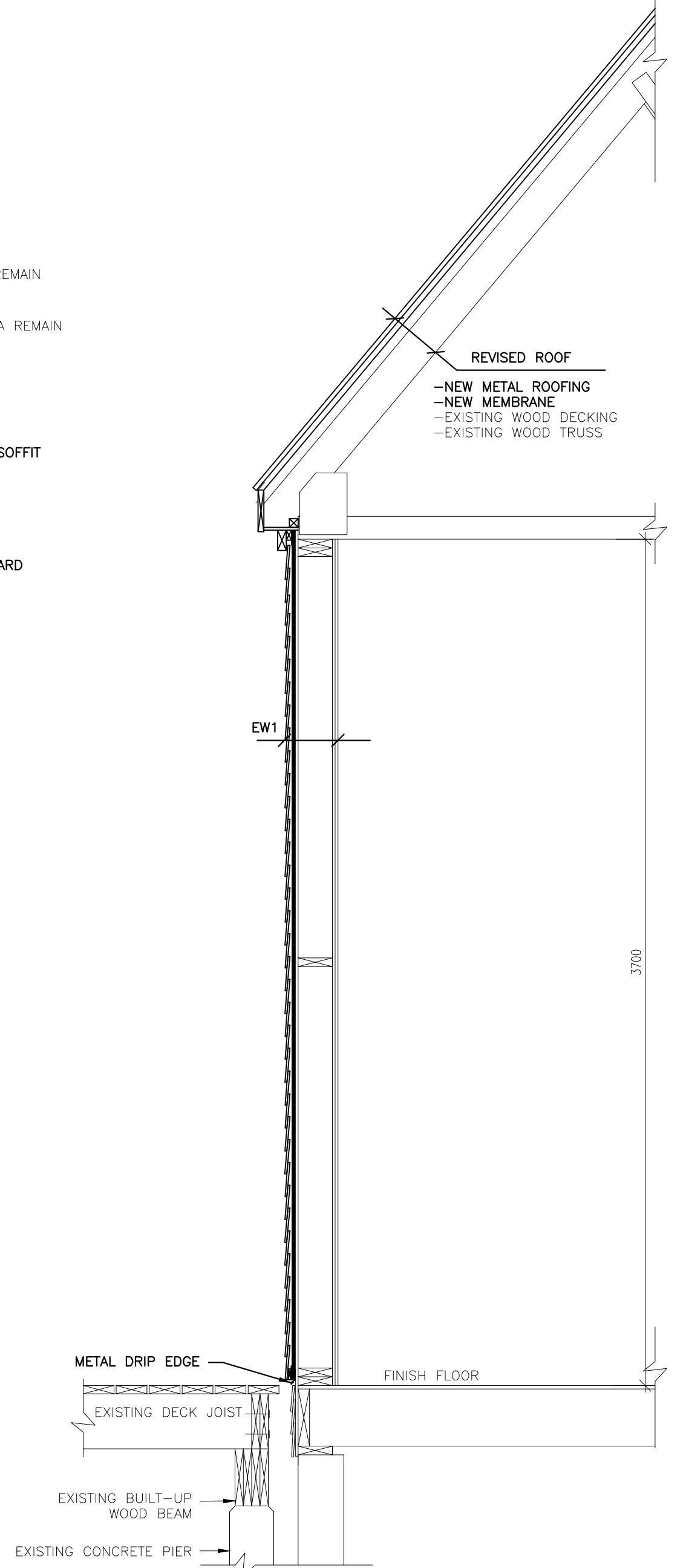
FOOD BARN - NEW ELEVATION
 SCALE : 1:50



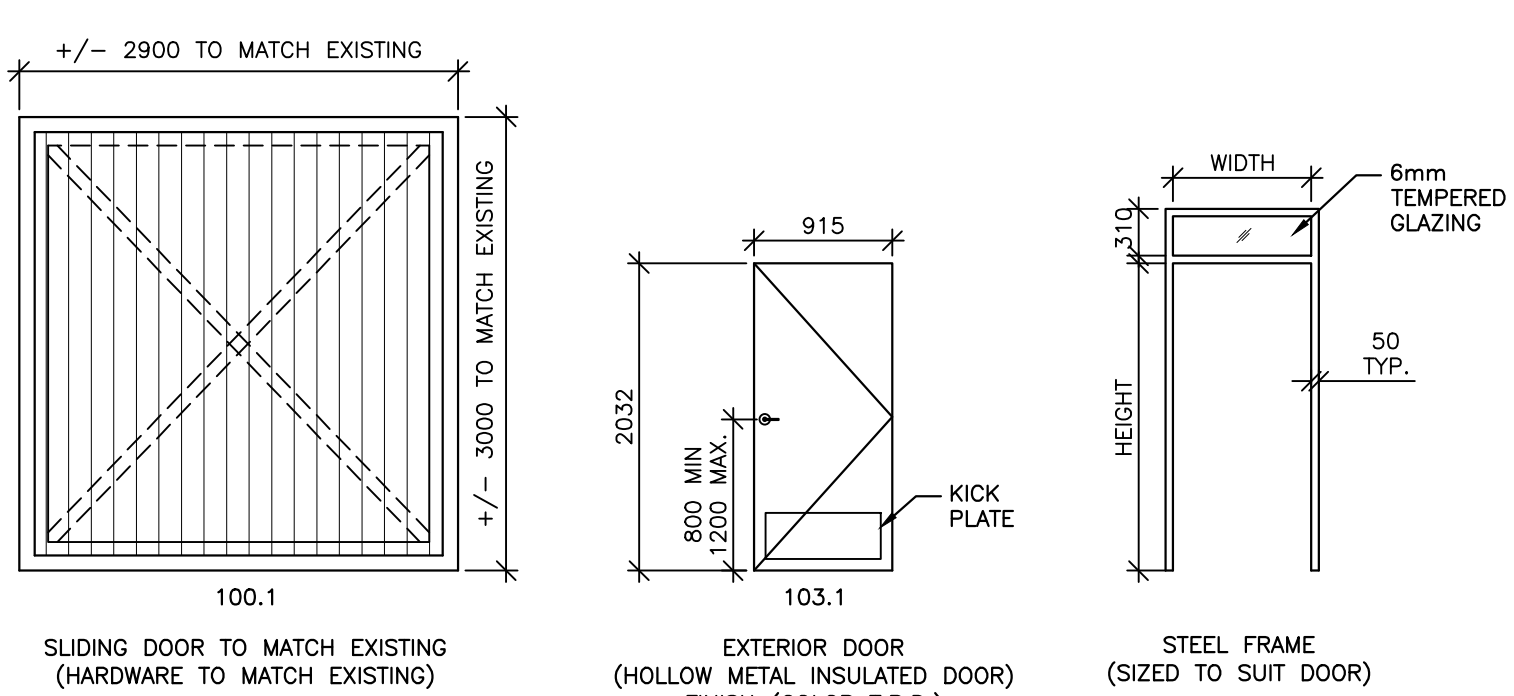
CHANGE ROOM FLOOR PLAN - NEW
 SCALE : 1:100



CHANGE ROOM - NEW ELEVATION
 SCALE : 1:50



WALL SECTION - EW1
 SCALE : 1:20



DOOR FRAME/ELEVATION - NEW
 SCALE : 1:50

DOOR#	QTY	HARDWARE
103.1	3	114 mm STAINLESS STEEL BALL BEARING HINGES
1		DOOR CLOSURE MOUNTED ON INSIDE
1		WEATHER SEALS (HEAD & JAMBS)
1		DEAD BOLT KEYPED FROM OUTSIDE ONLY
1		LEVER TYPE CYLINDRICAL LOCKSET, STANDARD OF ACCEPTANCE: SCHLAGE ND SERIES, ATHENS LEVER, 626 FINISH, PRIVACY LOCK FUNCTION
2		305mm x 762mm STAINLESS STEEL KICK PLATE (BOTH SIDES OF DOOR)
1		DOOR SWEEP
1		ALUMINUM THRESHOLD (NO MORE THAN 13mm HIGH)

TYPE	DESCRIPTION
EW1	-NEW CEDAR SHINGLES -NEW RAIN SCREEN MESH (6mm) -NEW AIR BARRIER -EXISTING PLYWOOD SHEATHING -EXISTING WOOD STUDS -EXISTING TAG BOARDS
EW2	-NEW CEDAR SHINGLES -NEW RAIN SCREEN MESH (6mm) -NEW AIR BARRIER -EXISTING PLYWOOD SHEATHING -EXISTING WOOD STUDS -EXISTING PLYWOOD SHEATHING UP TO 2100mm AFF -EXISTING CERAMIC TILE UP TO 2100mm AFF -EXISTING TAG BOARDS ABOVE EXISTING TILE -NEW FRP PANEL ADHERED TO EXISTING CERAMIC TILE (FULL HEIGHT OF WALL)
EW3	-EXISTING CEDAR SHINGLES -EXISTING TYPK -EXISTING PLYWOOD SHEATHING -EXISTING WOOD STUDS -EXISTING PLYWOOD SHEATHING UP TO 2100mm AFF -EXISTING CERAMIC TILE UP TO 2100mm AFF -EXISTING TAG BOARDS ABOVE EXISTING TILE -NEW FRP PANEL ADHERED TO EXISTING CERAMIC TILE (FULL HEIGHT OF WALL)
P1	-FRP PANEL -12mm PLYWOOD -38x89 WOOD STUDS @ 406mm O.C. -12mm PLYWOOD -FRP PANEL (FULL HEIGHT OF WALL)



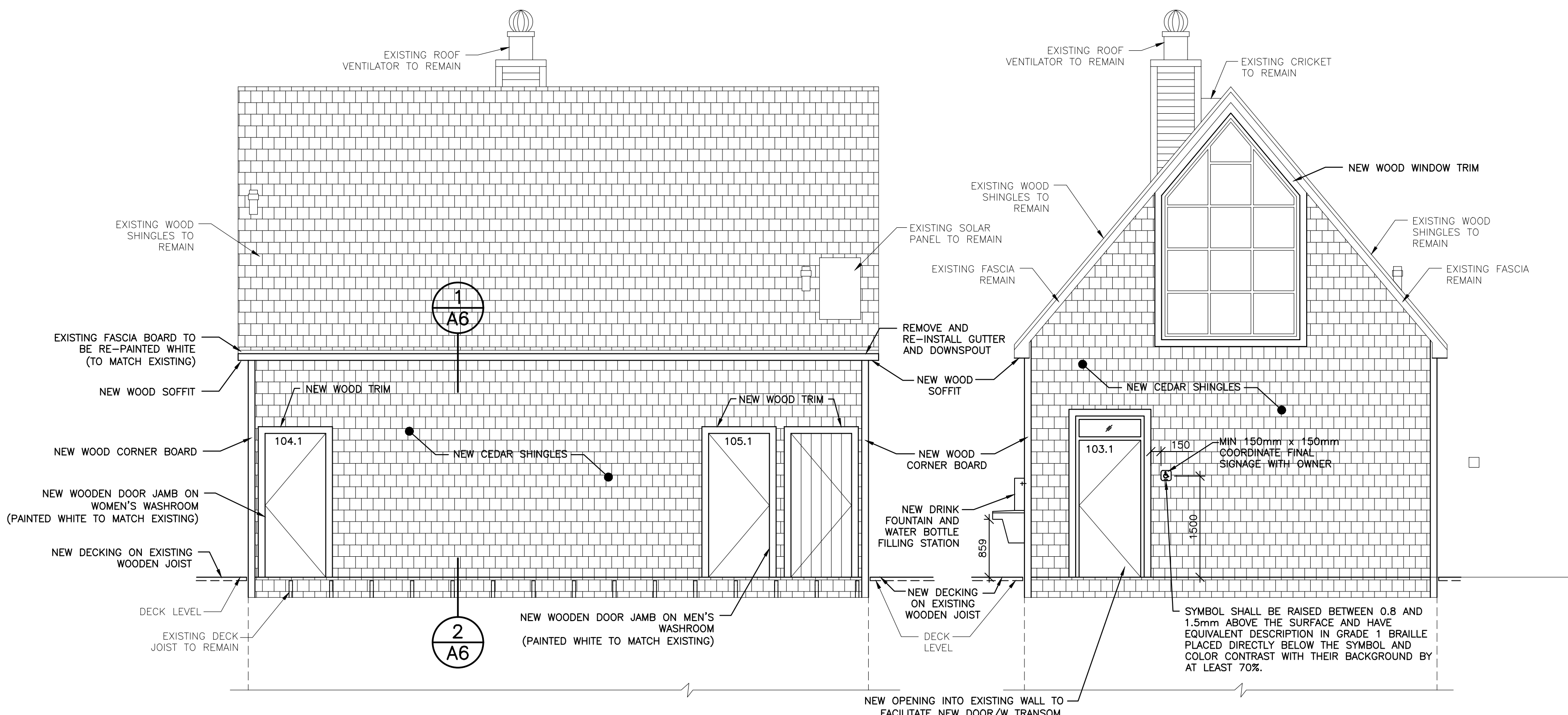
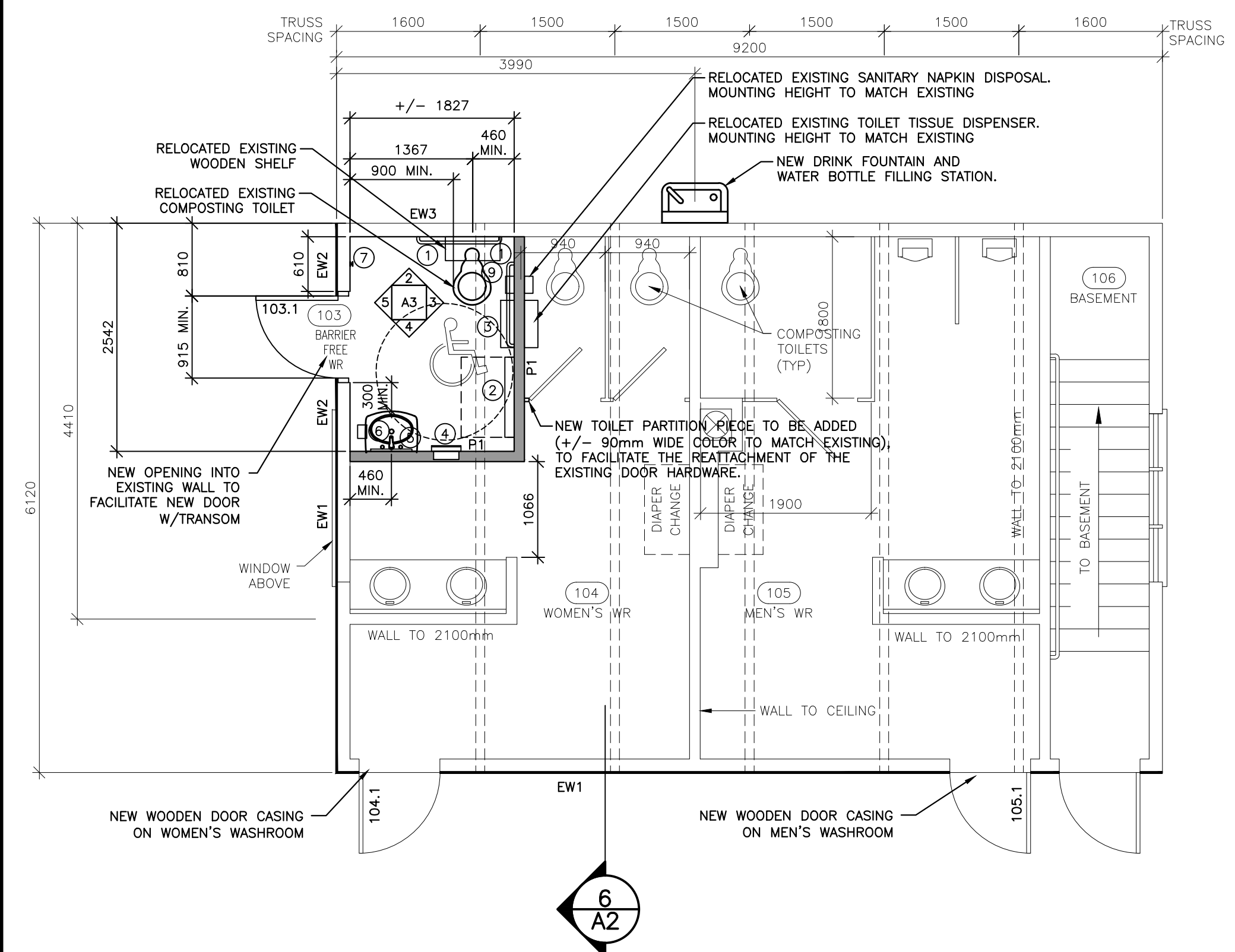
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 GREENWICH BEACH COMPLEX REHABILITATION GREENWICH, PEI NATIONAL PARK

NEW PLANS & ELEVATIONS FOOD BARN & CHANGE ROOM

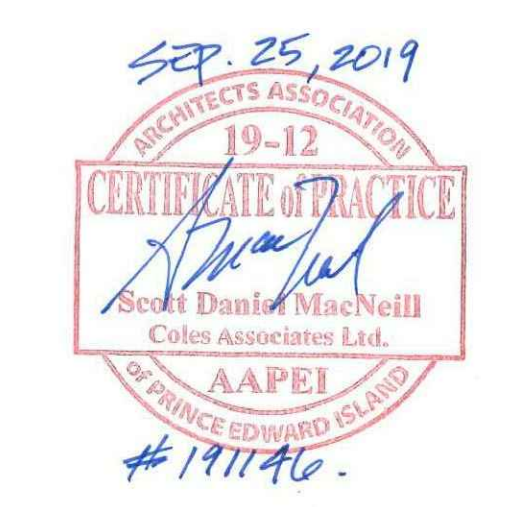
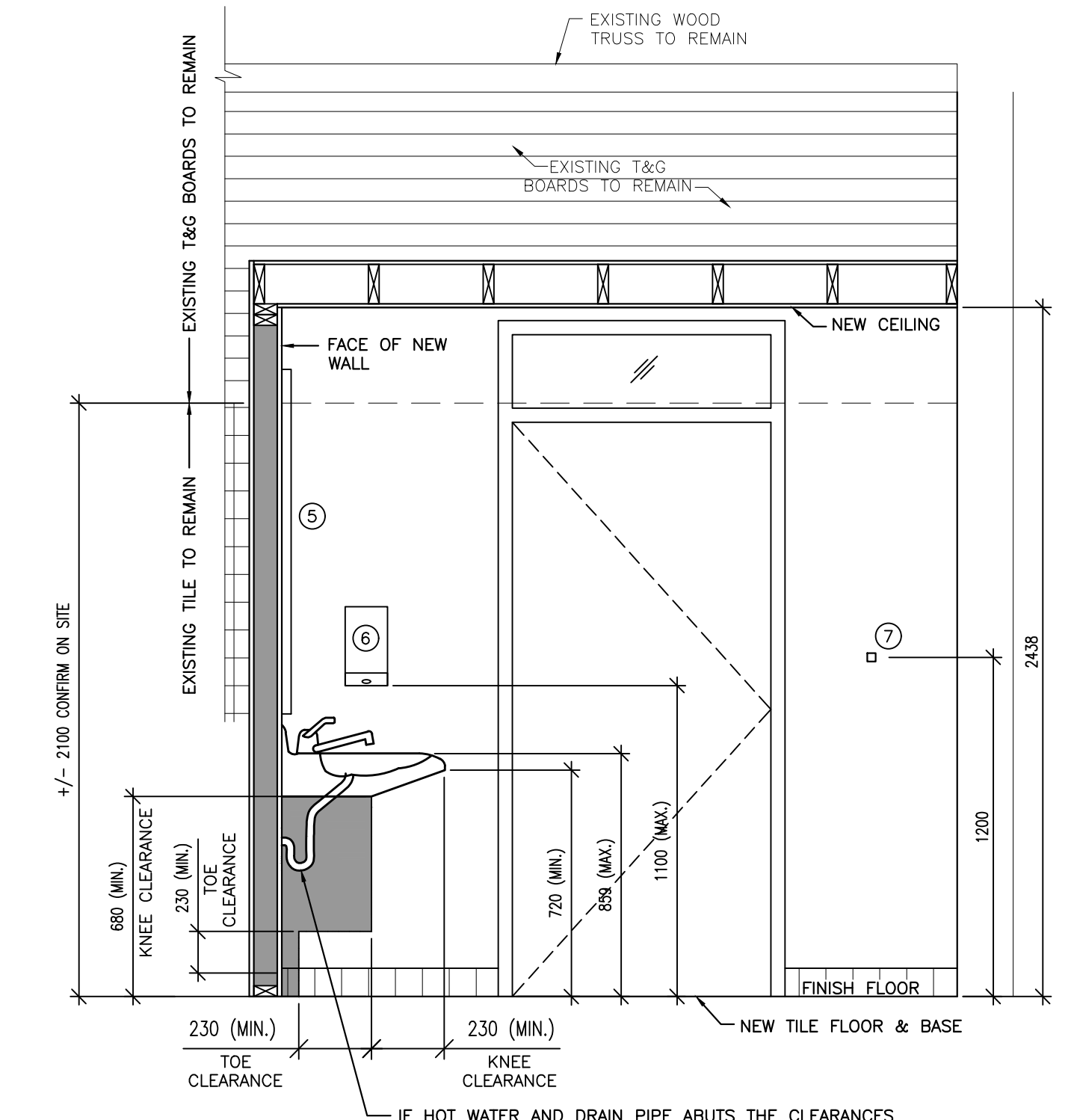
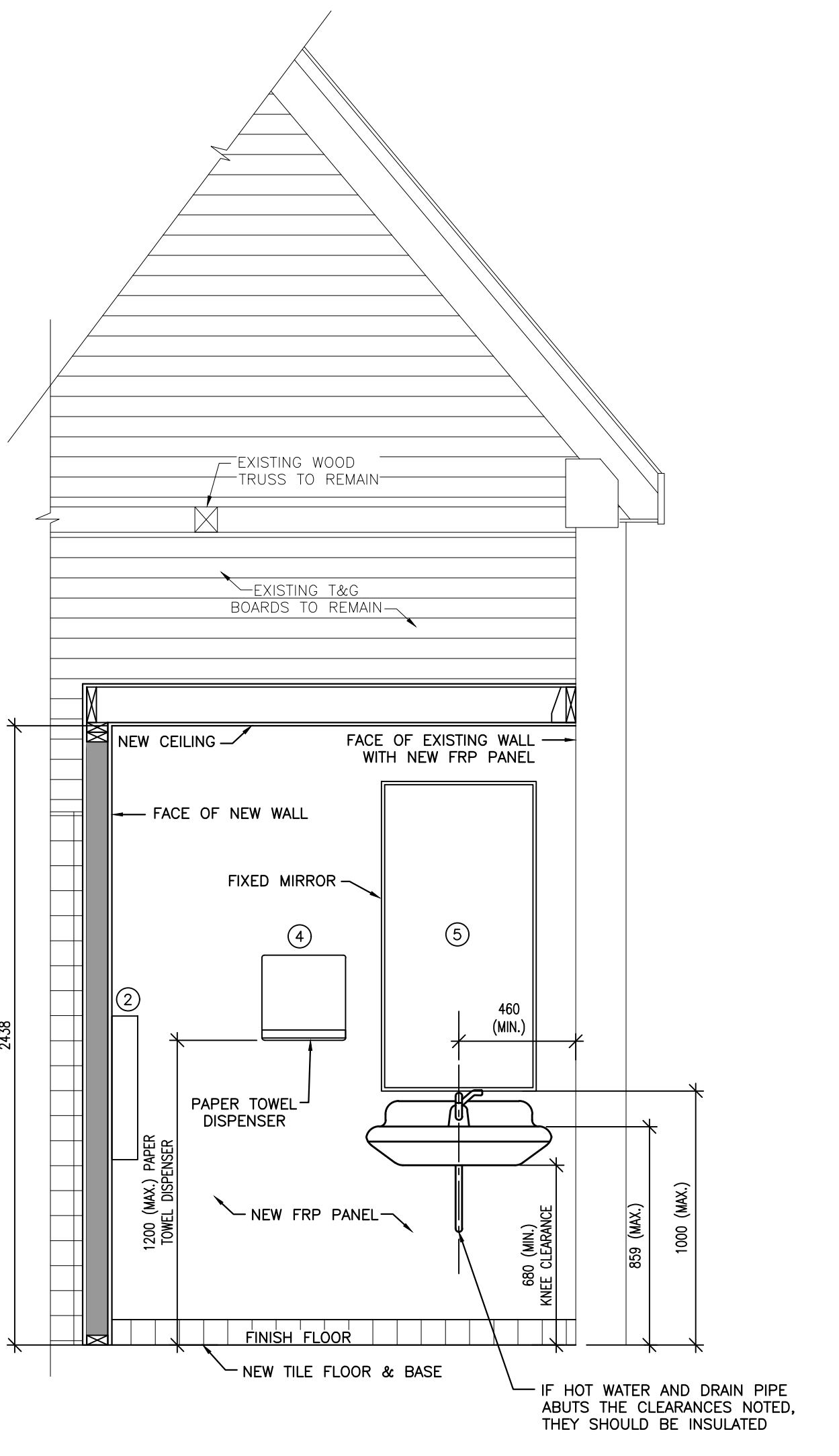
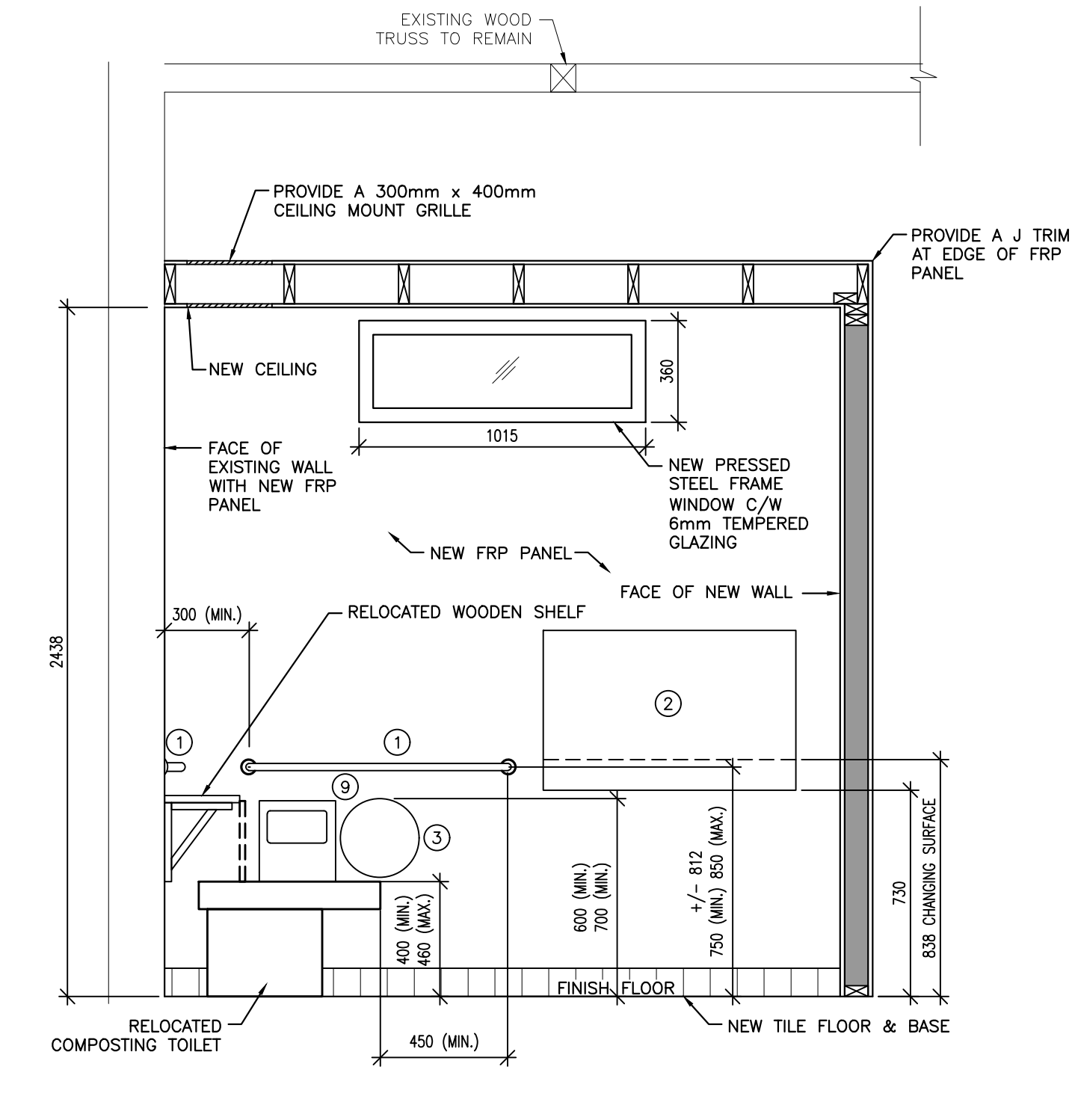
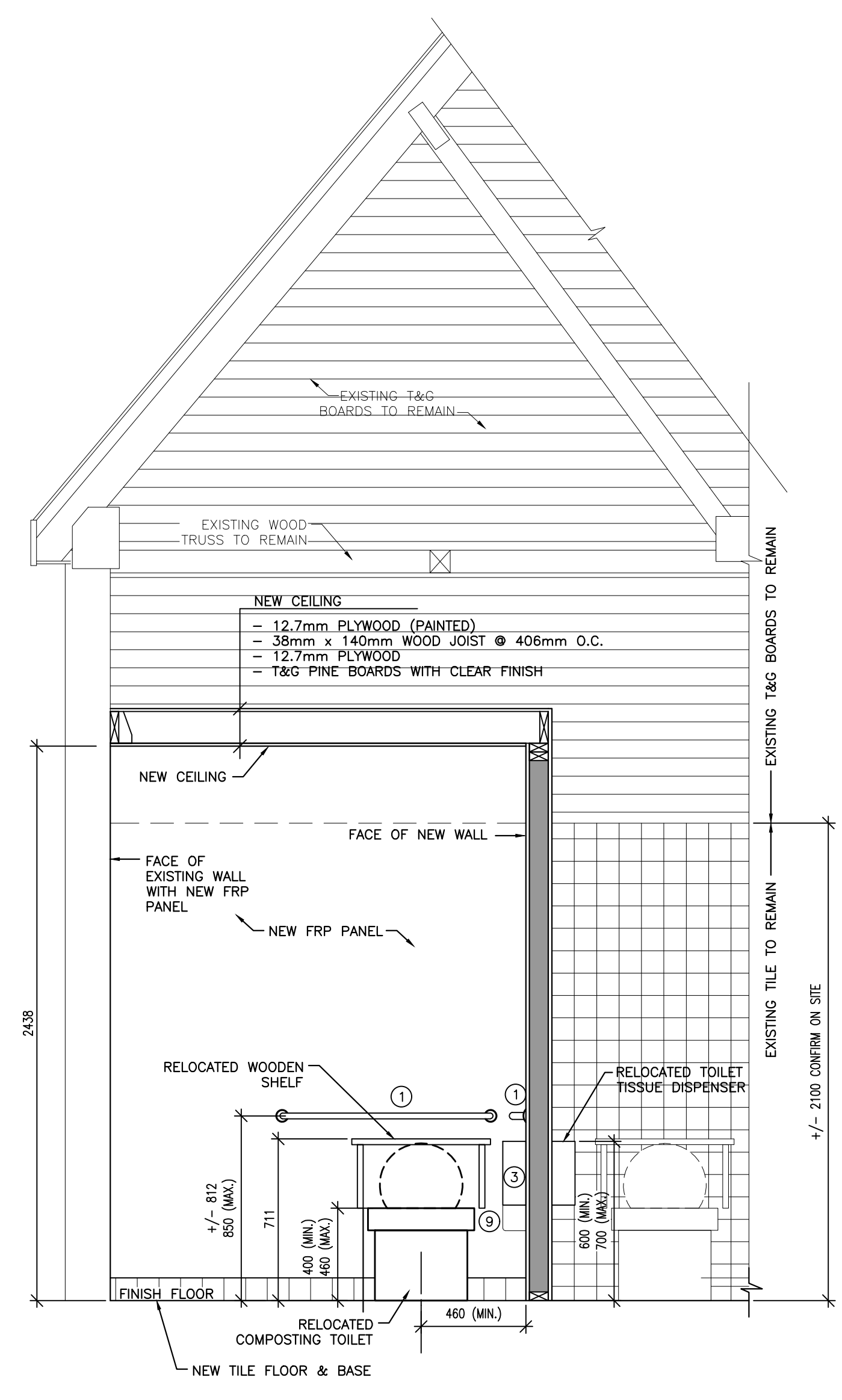
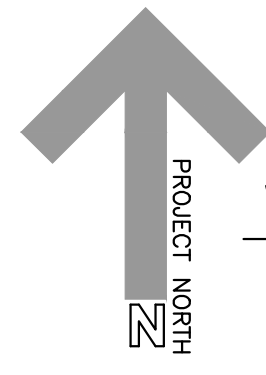
designed Coles Associates Ltd. conq
 date Aug. 2019
 drawn Coles Associates Ltd. dessin
 date Aug. 2019
 approved
 Tender Soumission

PWSC Project Manager Administrateur de projets TPSC
 project number no. du projet
191146
 drawing no. no. du dessin
A2 of A6

- GENERAL NOTES:**
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WASHROOM ACCESSORIES SCHEDULE		
ITEM	DESCRIPTION	MODEL NUMBER
1	NEW GRAB BAR	BOBRICK: B-5806 SERIES, B-5806.99 x 36 SATIN FINISH, (13mm DIA. x 915mm)
2	NEW BABY CHANGING STATION	BOBRICK KB200-00 HORIZONTAL, WALL MOUNTED BABY CHANGING STATION CREAM (893mm x 565mm x 102mm D)
3	NEW SURFACE-MOUNTED JUMBO TOILET TISSUE DISPENSER	KIMBERLY-CLARK 09603
4	NEW SURFACE MOUNTED PAPER TOWEL DISPENSER	KIMBERLY-CLARK 09996-40
5	NEW FIXED MIRROR	BOBRICK: B-290 SERIES, FIXED MIRROR B-290 2448 (610mm x 1220mm)
6	NEW SURFACE-MOUNTED SOAP DISPENSER	AVMOR BIOMAXX FOAM EP71
7	NEW ROBE HOOK	BOBRICK: B-233 STAINLESS STEEL, SATIN FINISH (MOUNTED 1200mm ABOVE FINISH FLOOR TO CENTER OF HOOK)
8	EXISTING WOODEN SHELF	EXISTING WOODEN SHELF TO BE RELOCATED AS INDICATED IN ELEVATION
9	NEW SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK: B-254 CLASSIC SERIES, SATIN FINISH STAINLESS STEEL (270mm x 385mm x 105mm)
10	WASTE RECEPTACLE	OWNER SUPPLIED / OWNER INSTALLED



0	ISSUED FOR TENDER	09/25/2019
revisions		date

GREENWICH BEACH COMPLEX REHABILITATION GREENWICH, PEI NATIONAL PARK

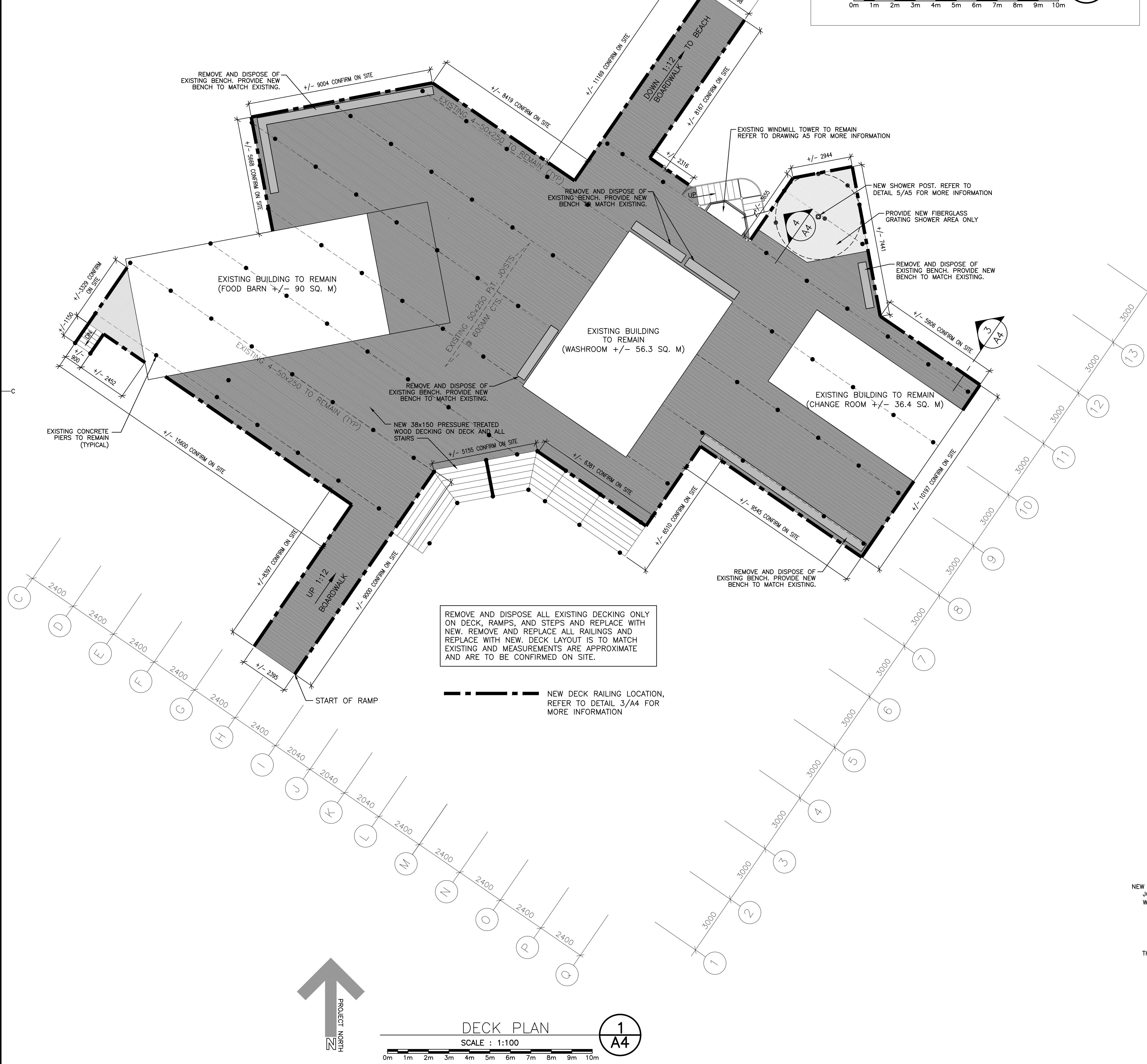
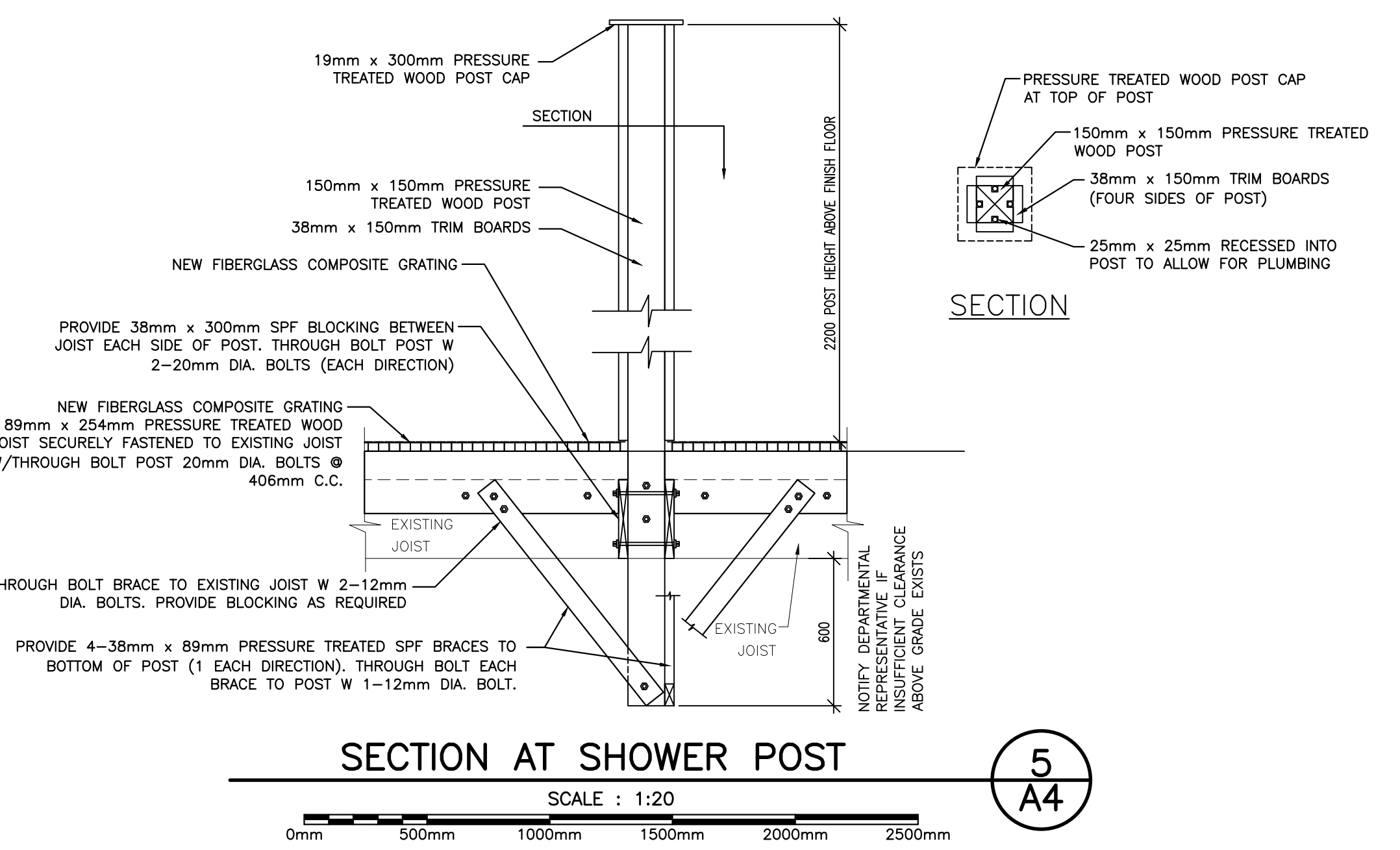
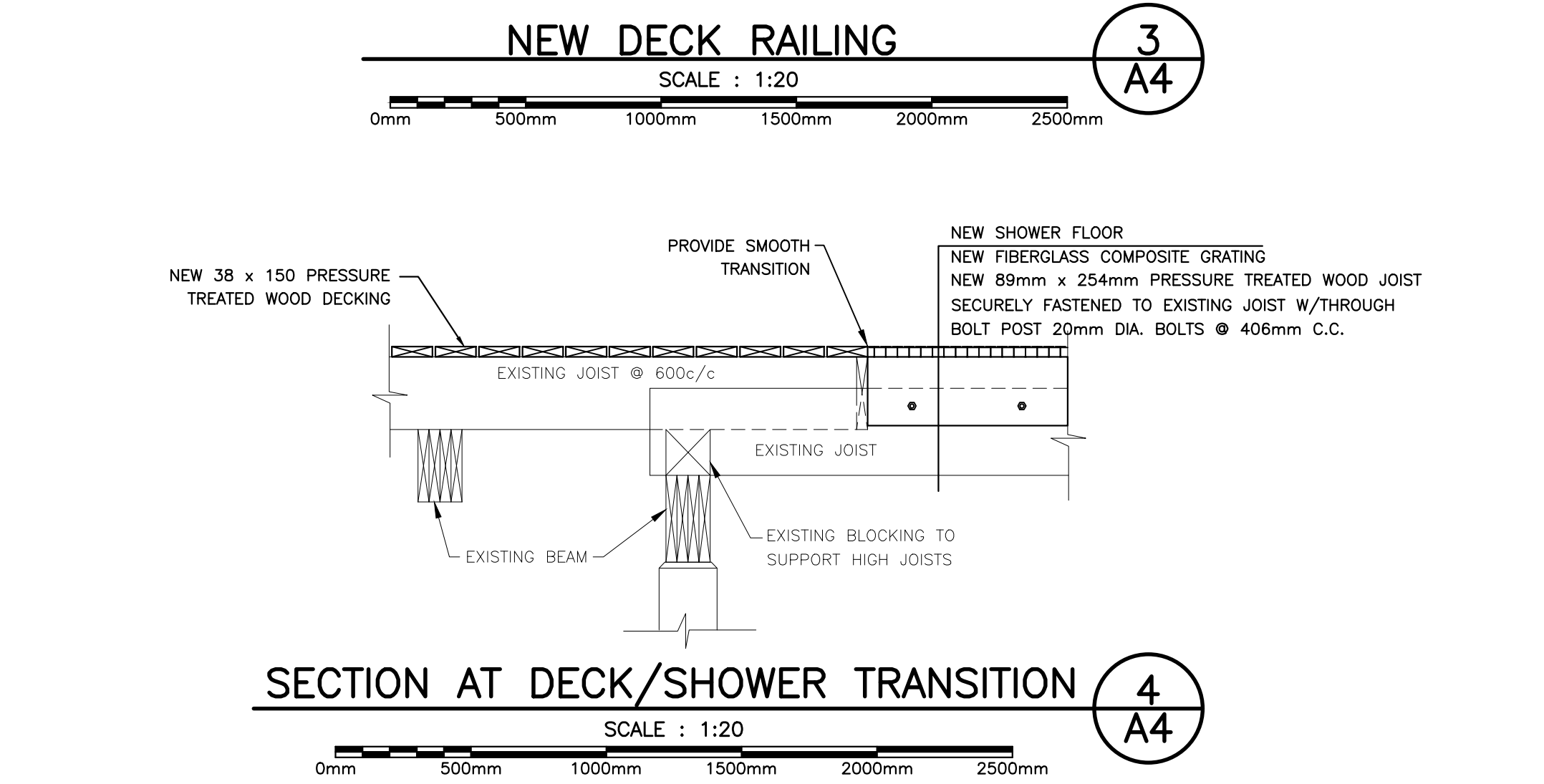
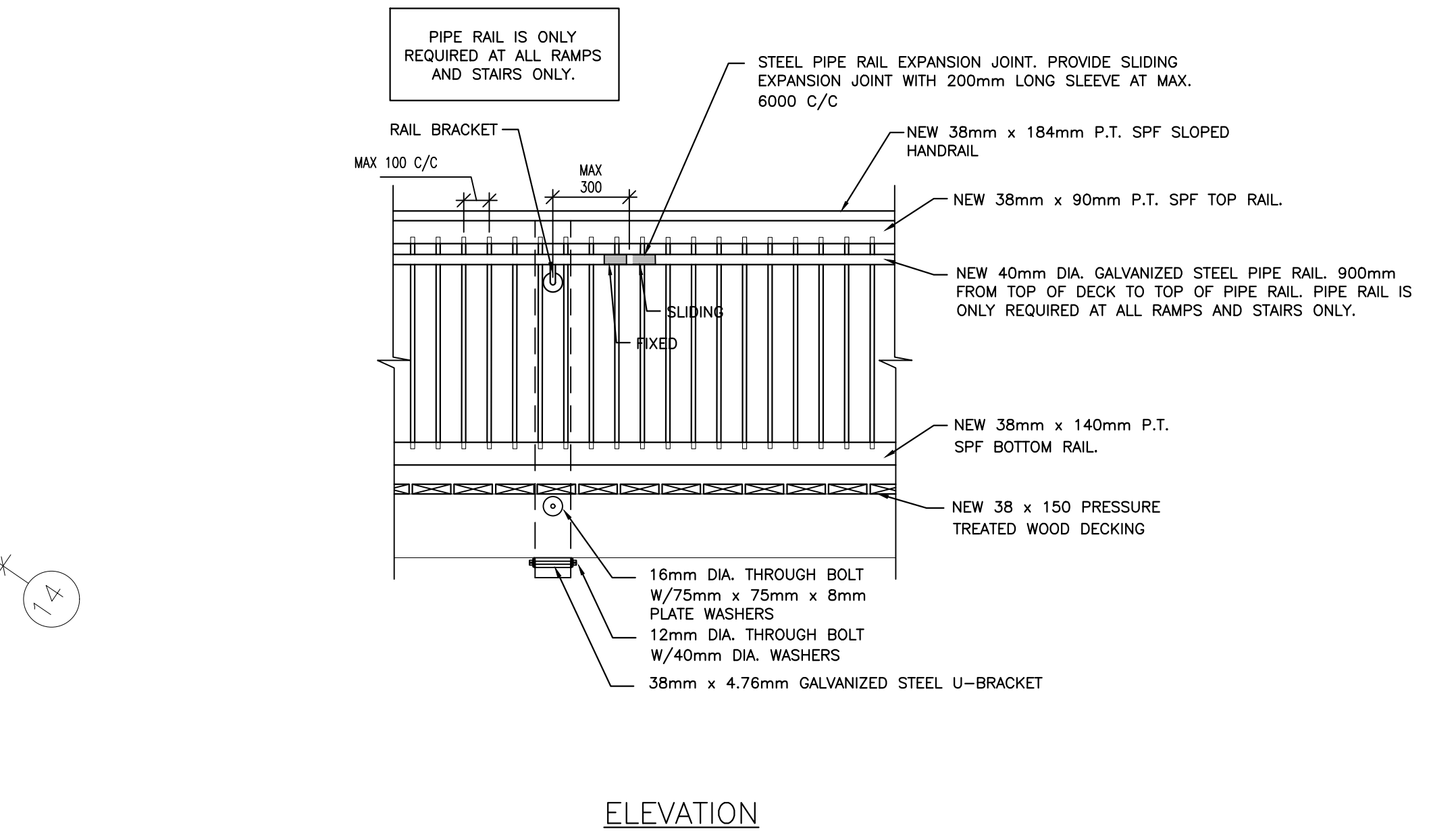
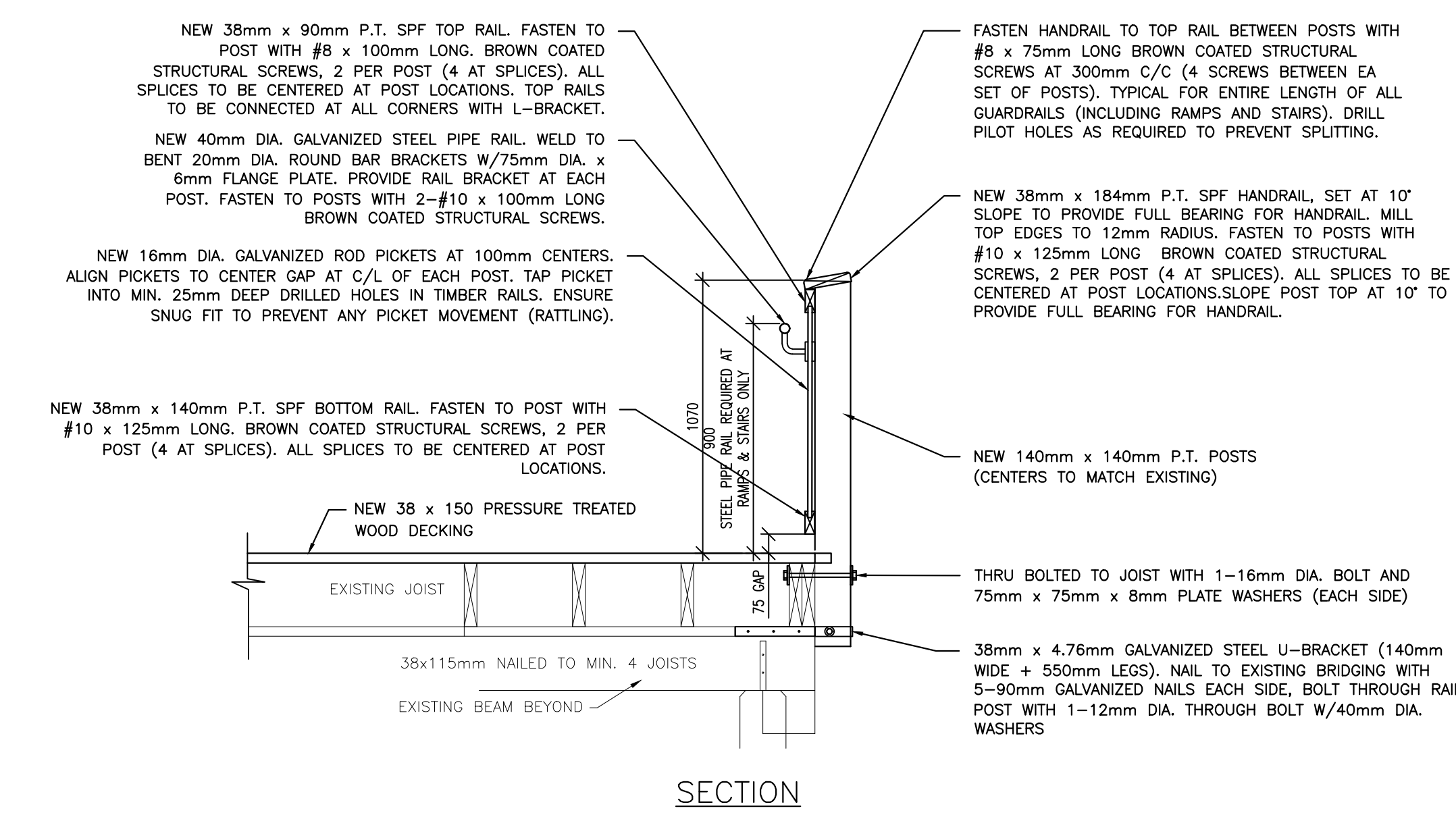
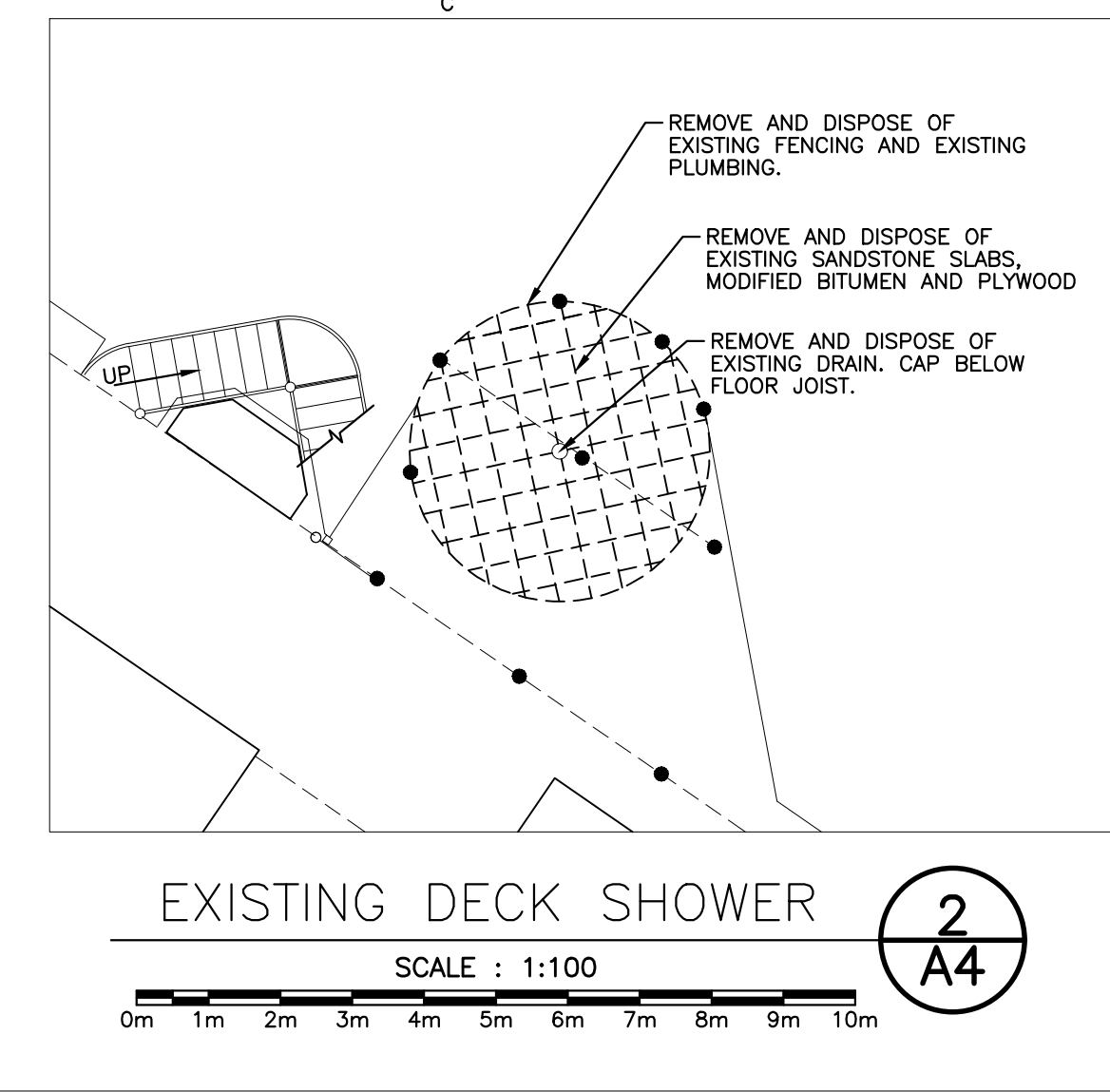
WASHROOM NEW FLOOR PLAN, ELEVATIONS & INTERIOR WASHROOM ELEVATIONS

designed	Coles Associates Ltd.	congr
date	Aug. 2019	
drawn	Coles Associates Ltd.	dessin
date	Aug. 2019	
approved		approuvé
date		
Tender		Soumission

PWSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet

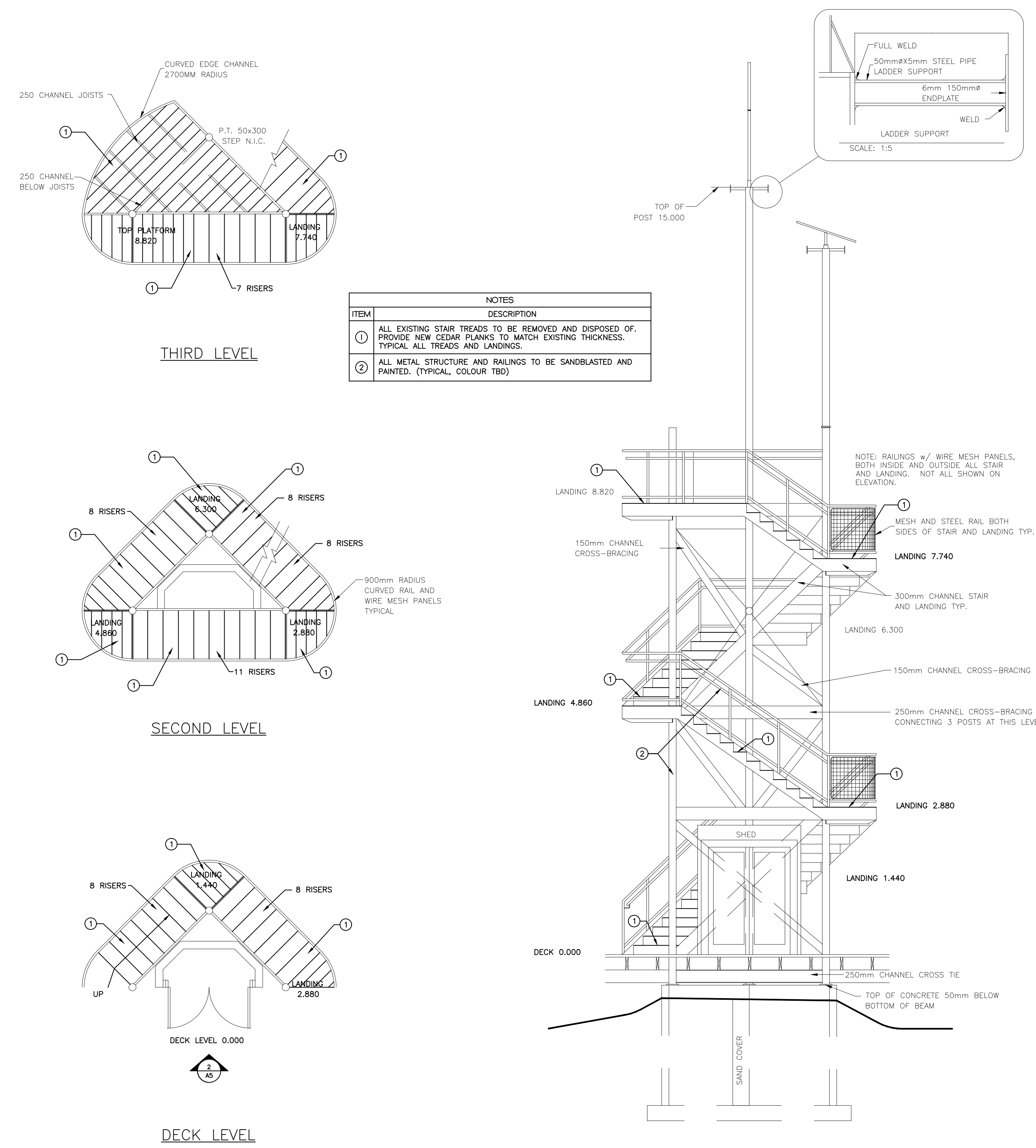
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A3 of A6



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 project GREENWICH BEACH COMPLEX REHABILITATION GREENWICH, PEI NATIONAL PARK
 drawing design
 designed Coles Associates Ltd. congd
 date Aug. 2019
 drawn Coles Associates Ltd. dessin
 date Aug. 2019
 approved
 date
 Tender Soumission
 PWSC Project Manager Administrateur de projets TPSC
 project number no. du projet
 191146
 drawing no. no. du dessin
 A4 of A6



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revisions		date

project GREENWICH BEACH COMPLEX REHABILITATION GREENWICH, PEI NATIONAL PARK

drawing OBSERVATION TOWER

designed Coles Associates Ltd. conçu

date Aug. 2019

drawn Coles Associates Ltd. dessiné

date Aug. 2019

approved

date

Tender Soumission

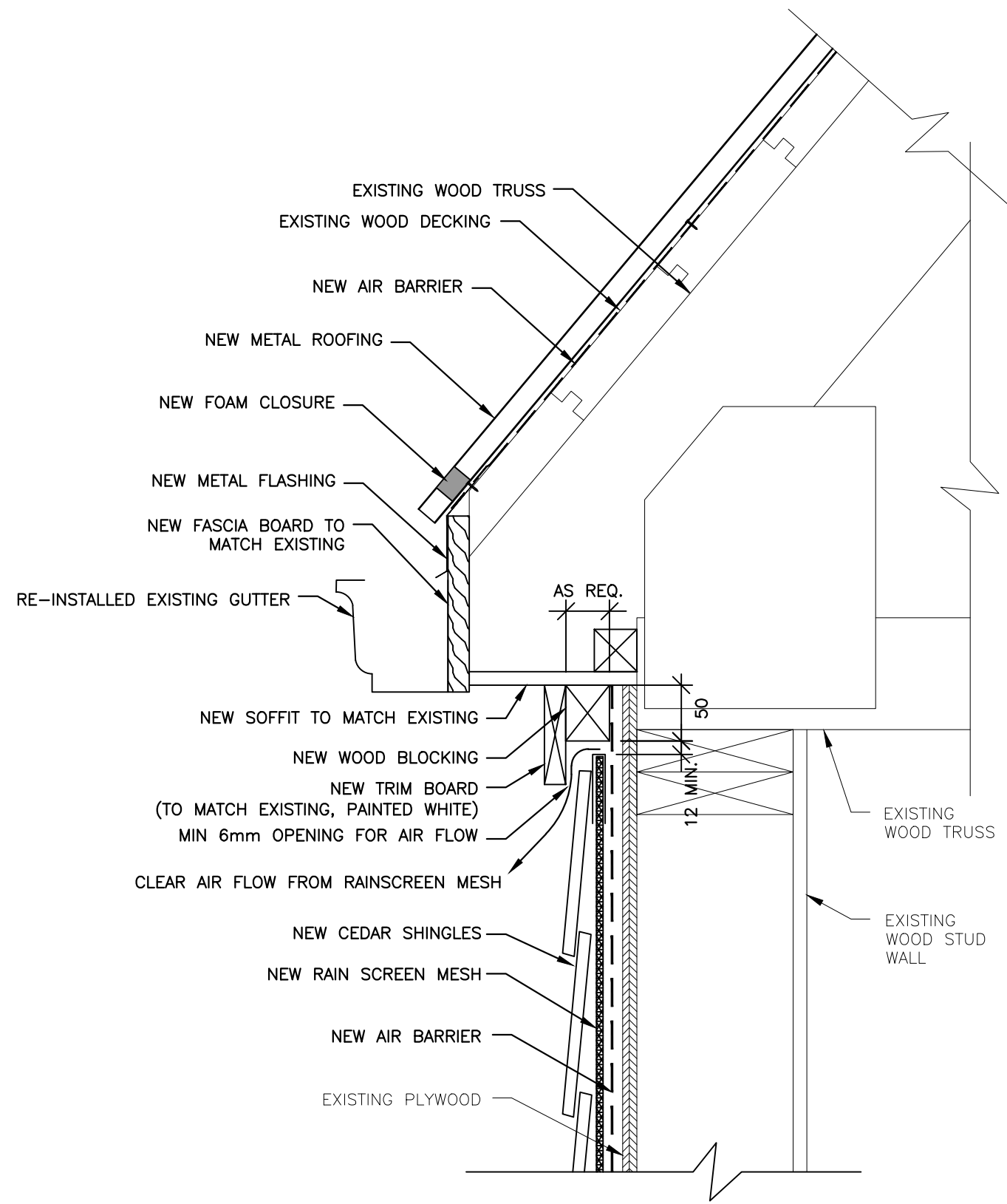
PWSC Project Manager Administrateur de projets TPSC

project number no. du projet

191146

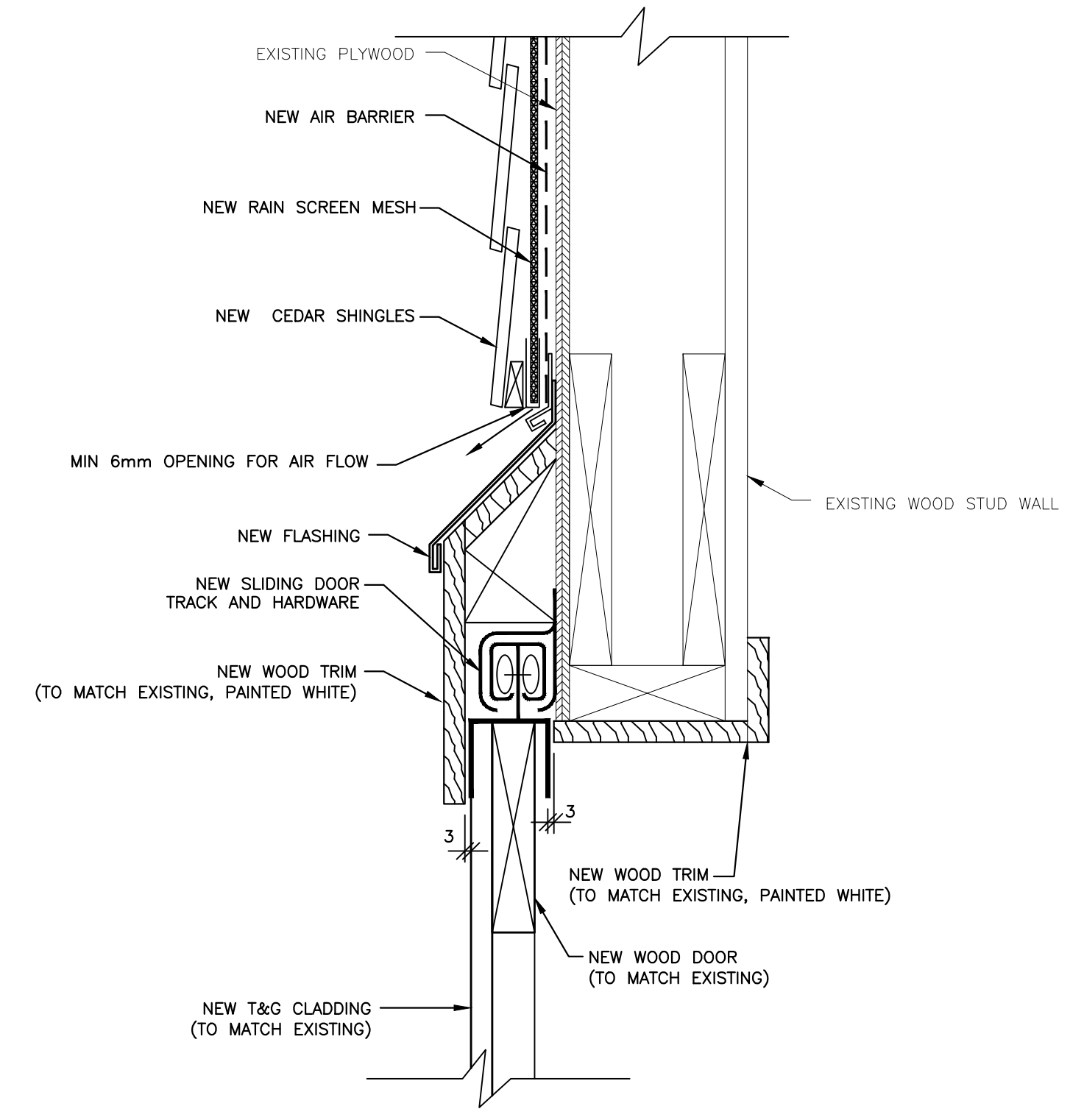
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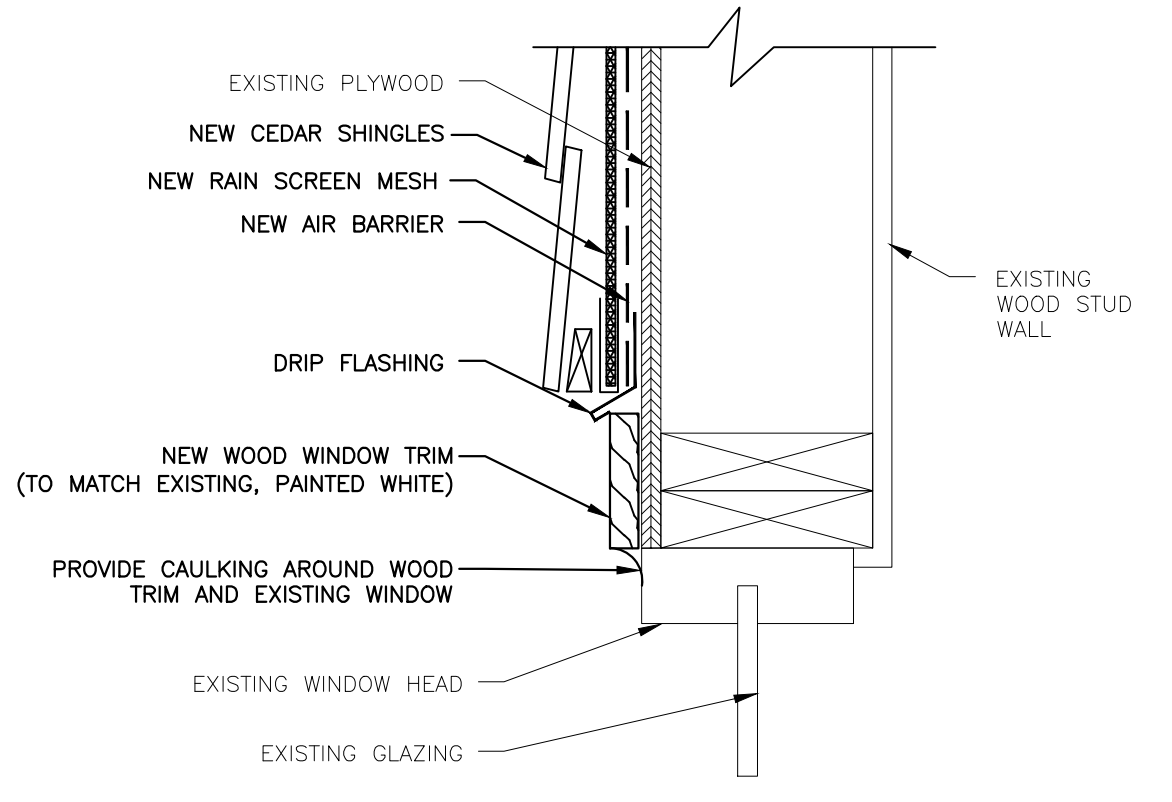
TOP OF WALL DETAIL
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1
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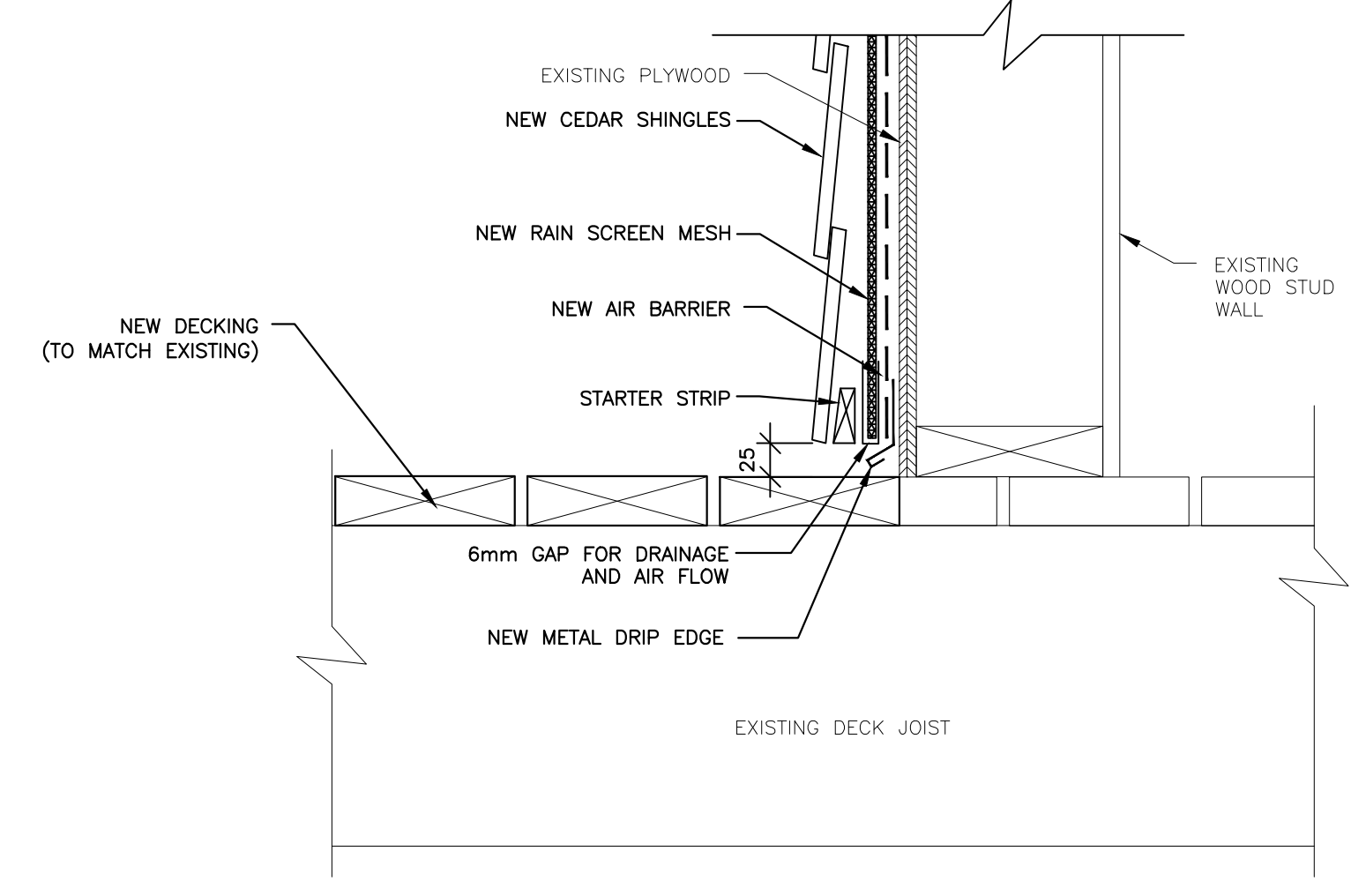
SLIDING DOOR HEAD DETAIL
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3
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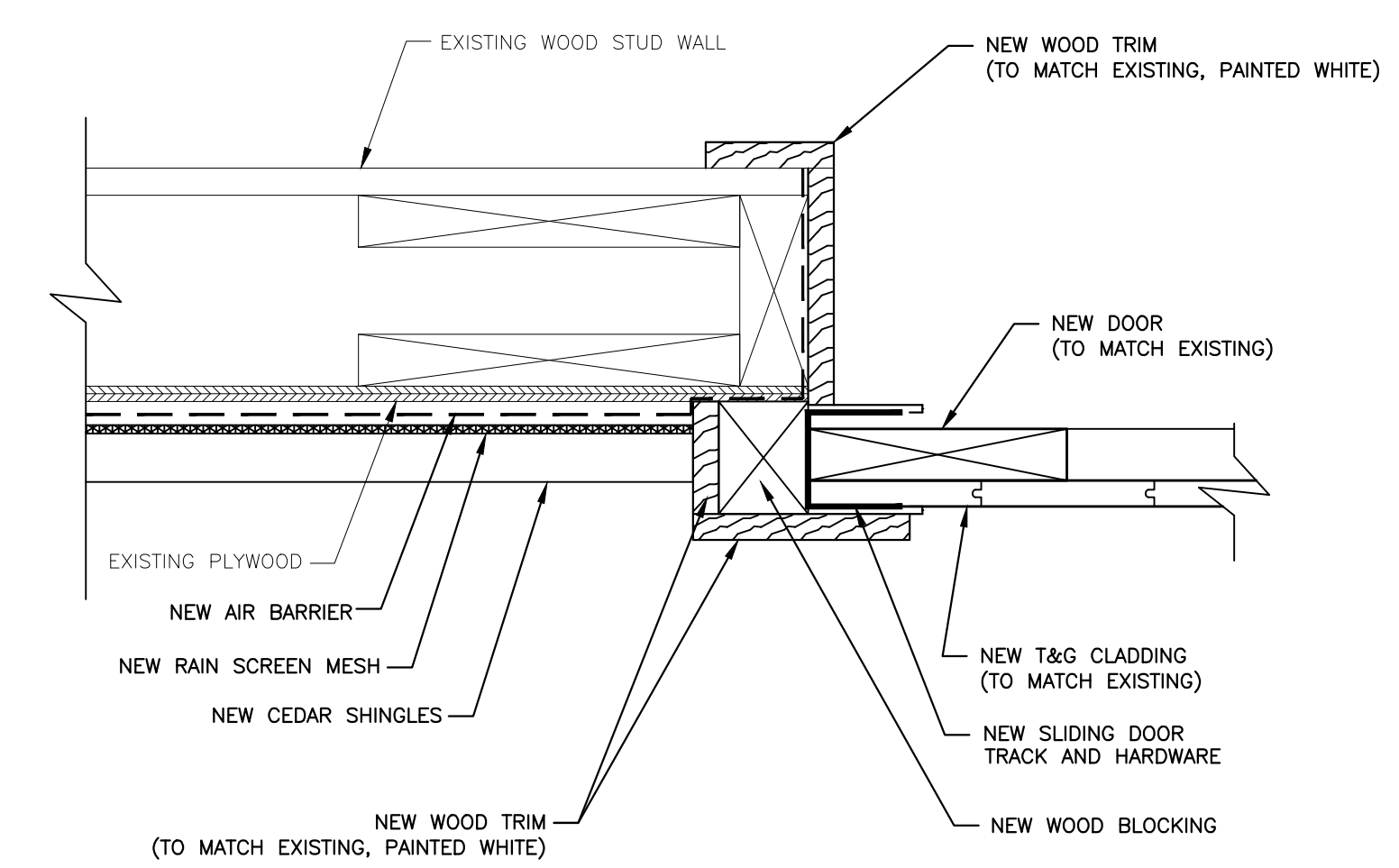
WINDOW HEAD DETAIL
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6
 A6



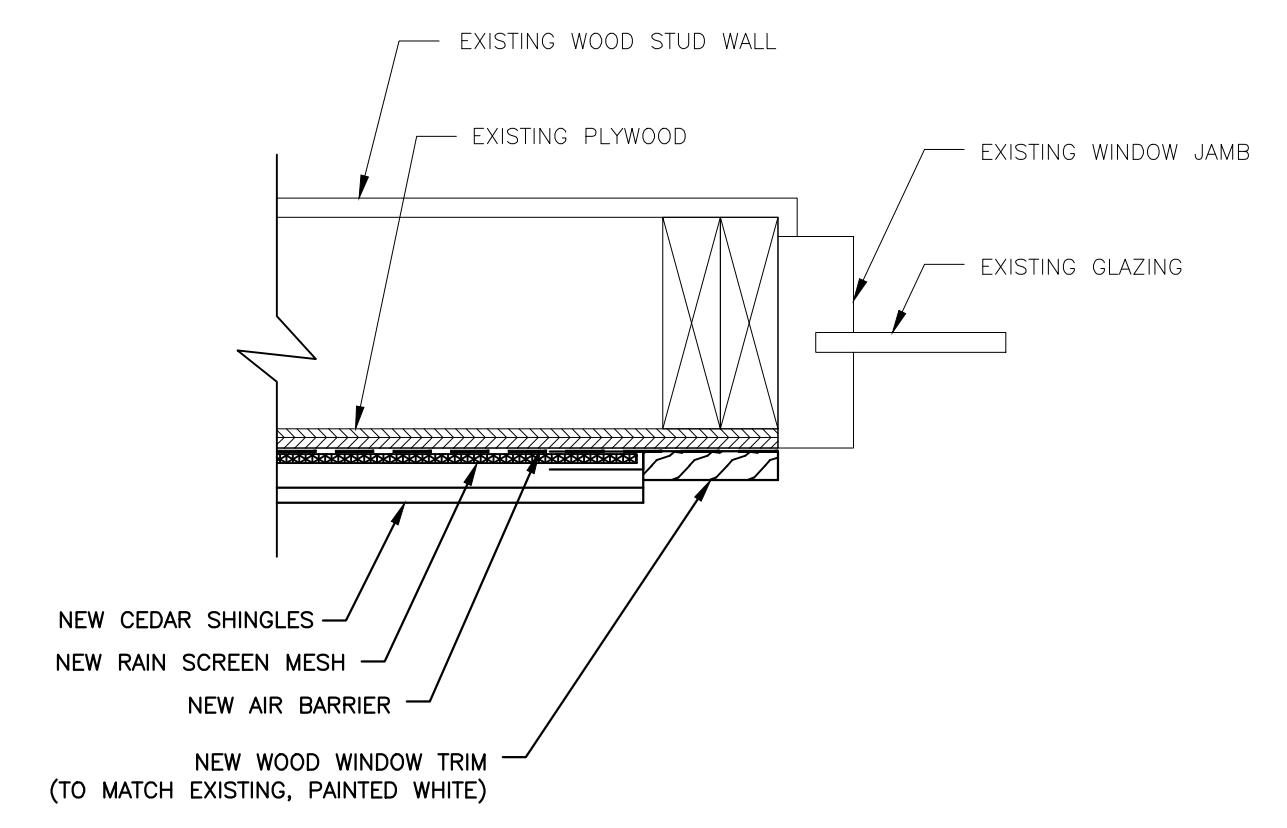
BOTTOM OF WALL DETAIL
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9
 A6



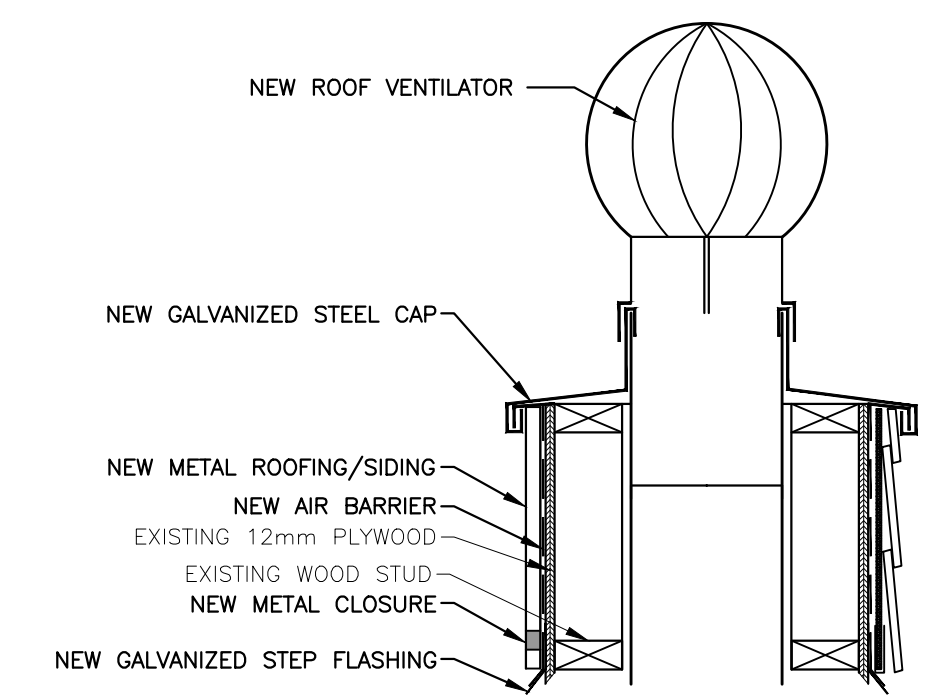
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4
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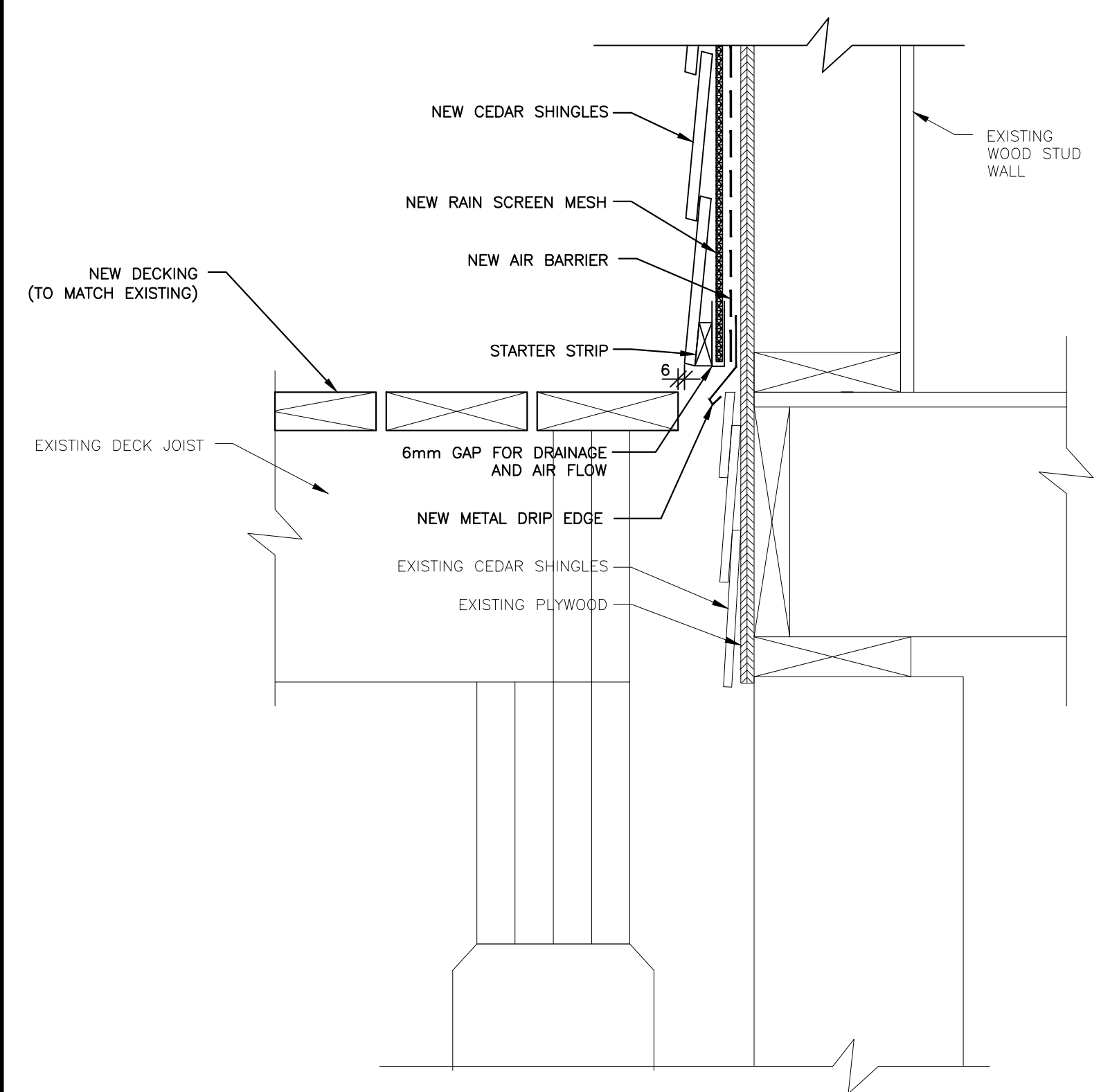
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7
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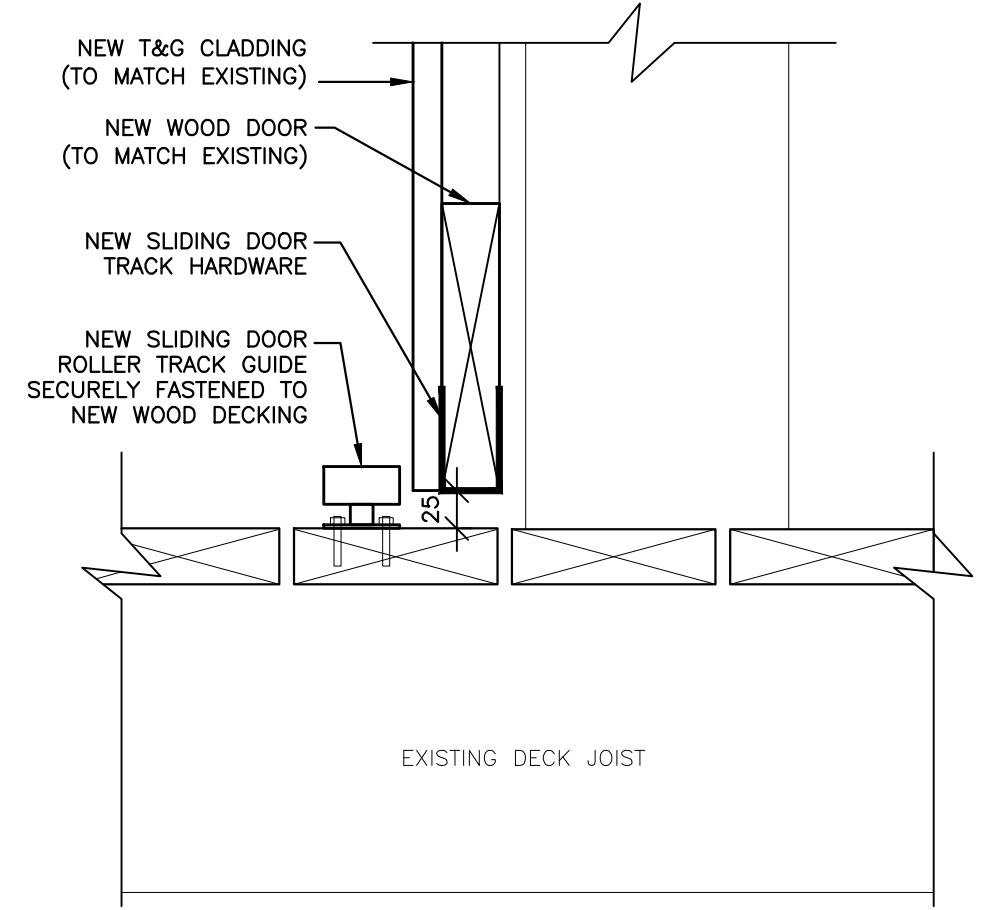
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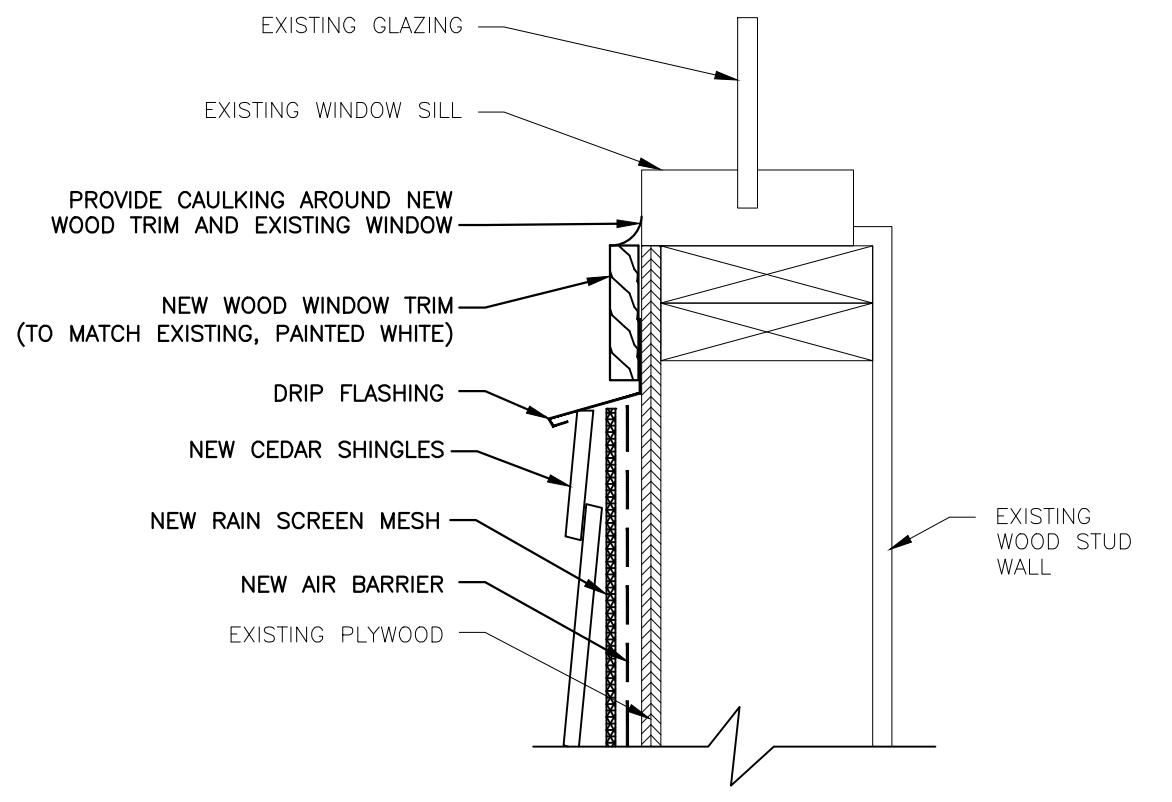
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2
 A6



SLIDING DOOR SILL DETAIL
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5
 A6



WINDOW SILL DETAIL
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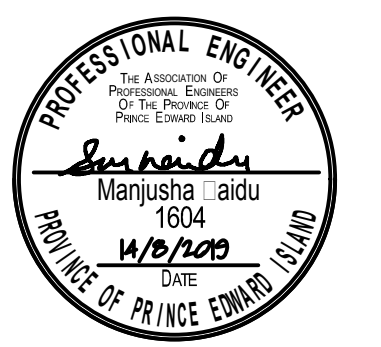
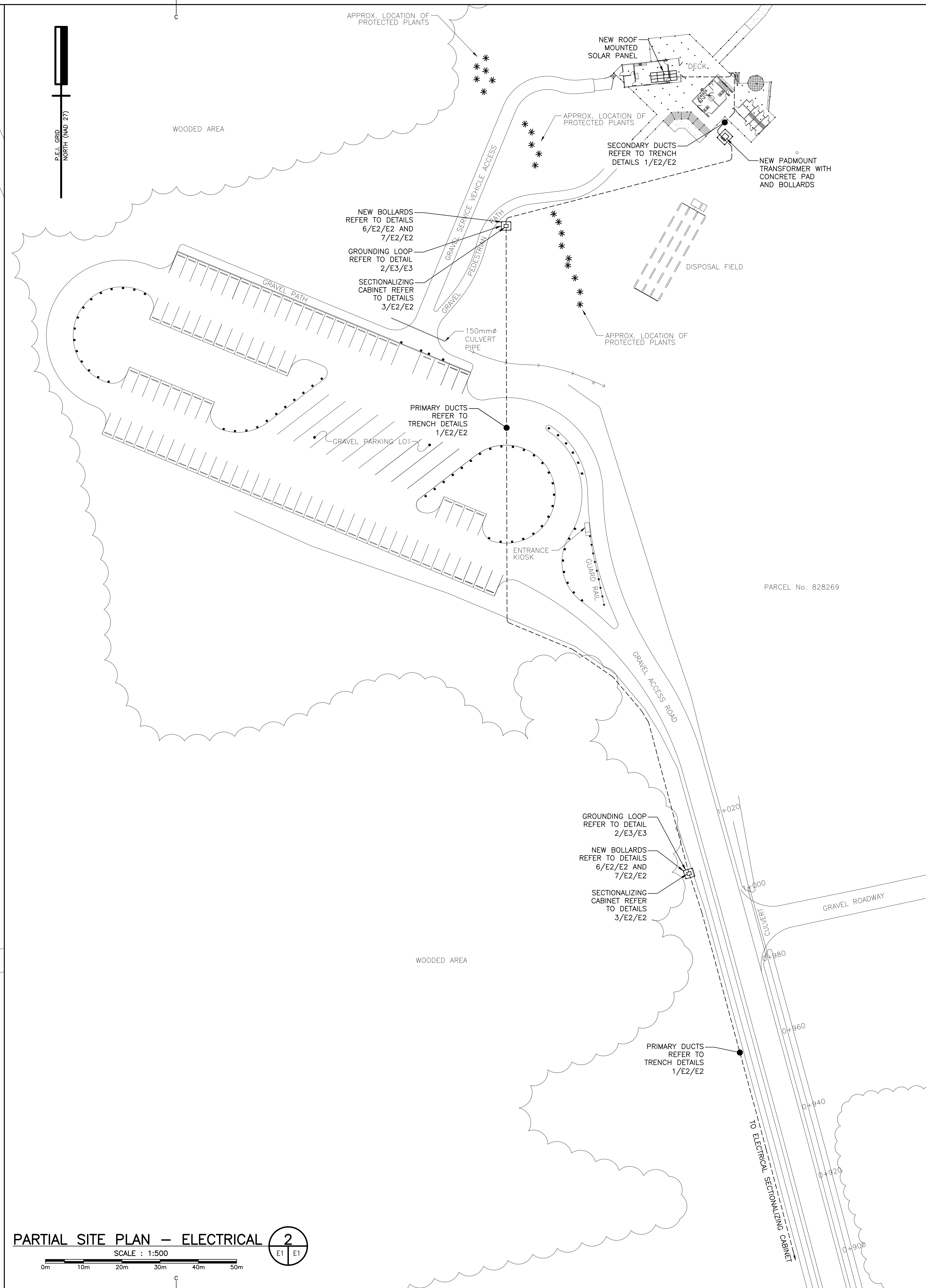
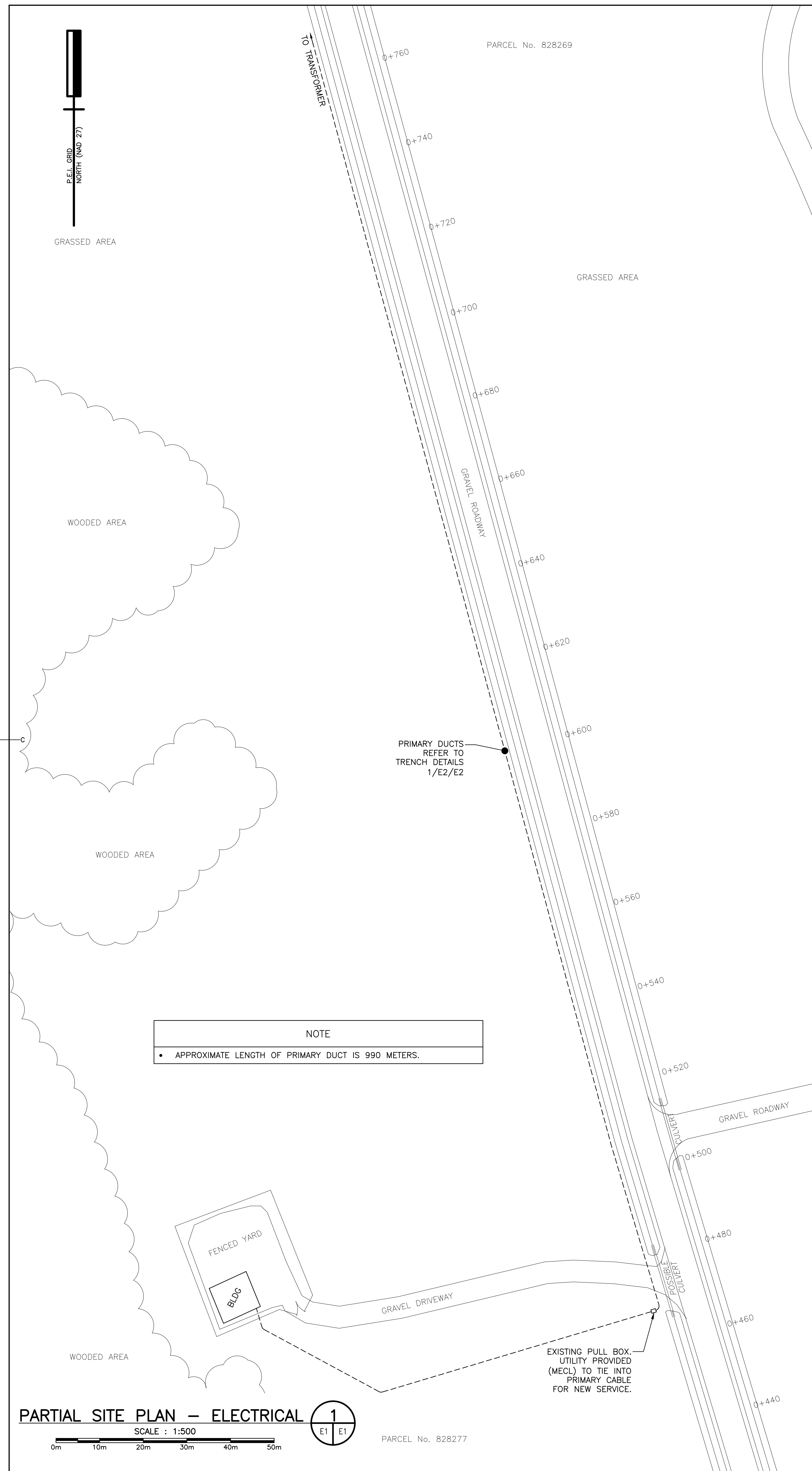
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0	ISSUED FOR TENDER	09/25 2019
revisions		date

project
**GREENWICH BEACH
 COMPLEX REHABILITATION
 GREENWICH,
 PEI NATIONAL PARK**

drawing
DETAILS

designed	Coles Associates Ltd.	conçu
date	Aug. 2019	
drawn	Coles Associates Ltd.	dessiné
date	Aug. 2019	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSC	
project number	no. du projet	
	191146	
drawing no.	no. du dessin	
	A6 of A6	



0	ISSUED FOR TENDER	AUG 14 2019
revisions		date

project

PRINCE EDWARD ISLAND NATIONAL PARK GREENWICH

drawing

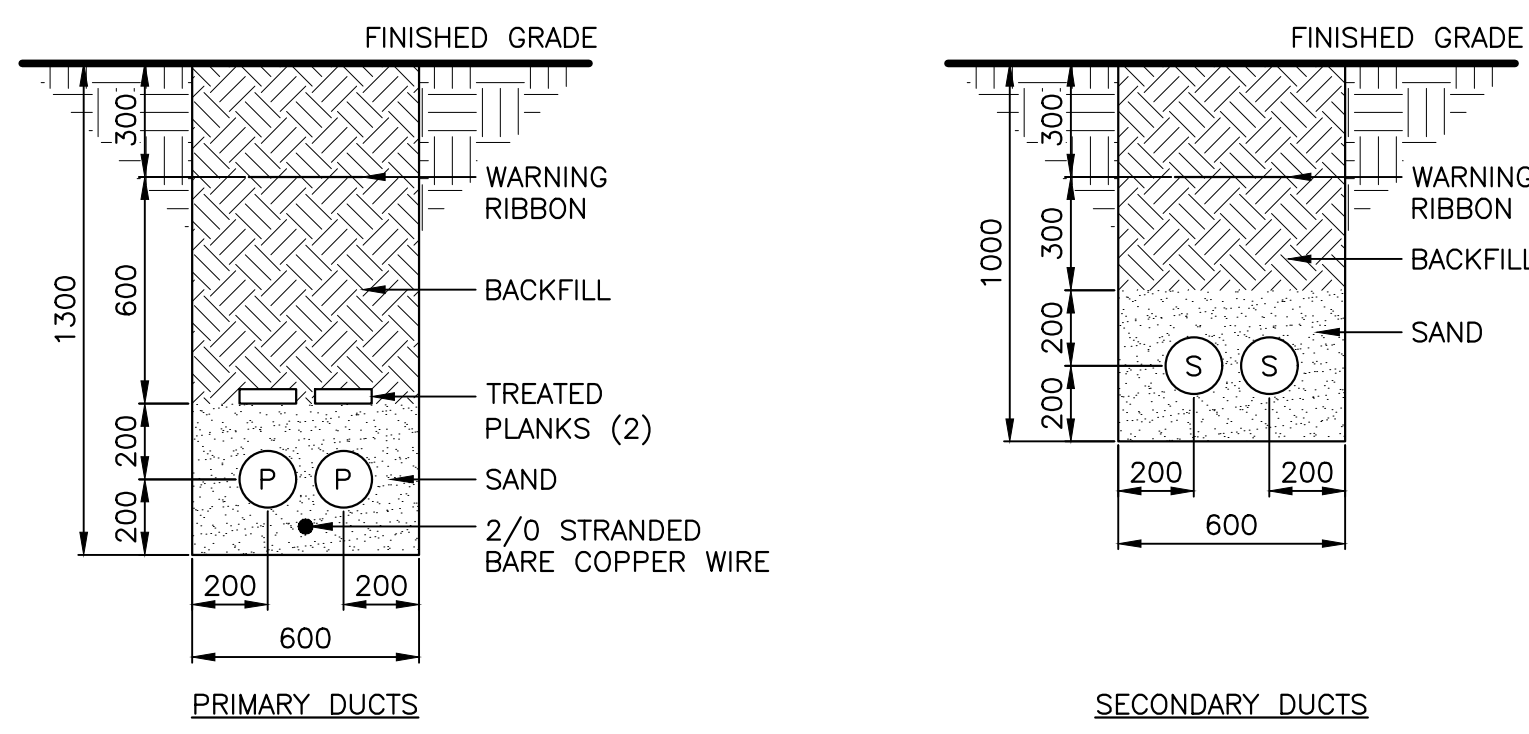
ELECTRICAL SITE PLAN

designed	M.N.	conçu
date	APRIL 2019	
drawn	M.K.	dessiné
date	APRIL 2019	
approved	M.N.	approuvé
date	APRIL 2019	
Tender		Soumission

PWGC Project Manager Administrateur de projets TPSCC

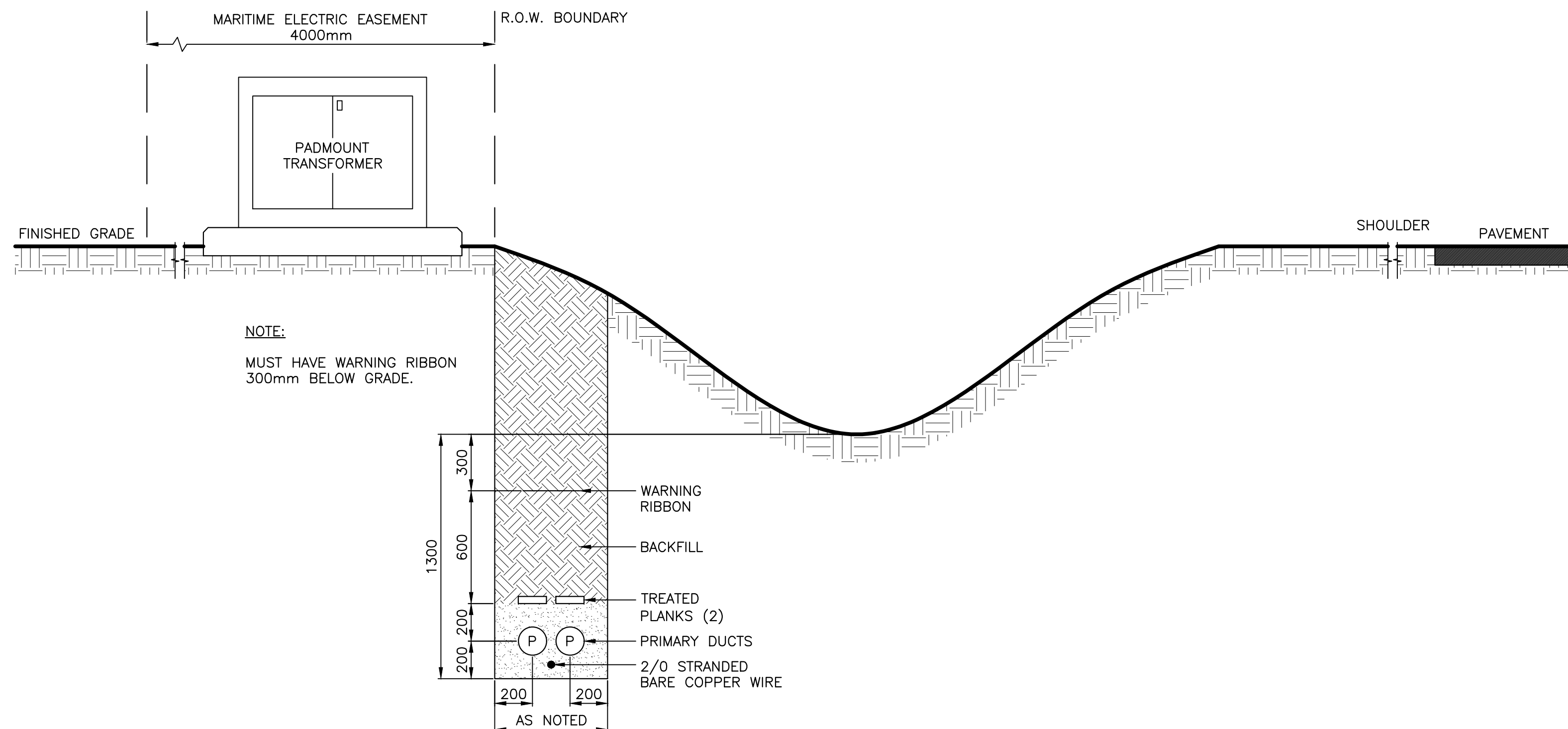
project number 191-03492-00

drawing no. E1



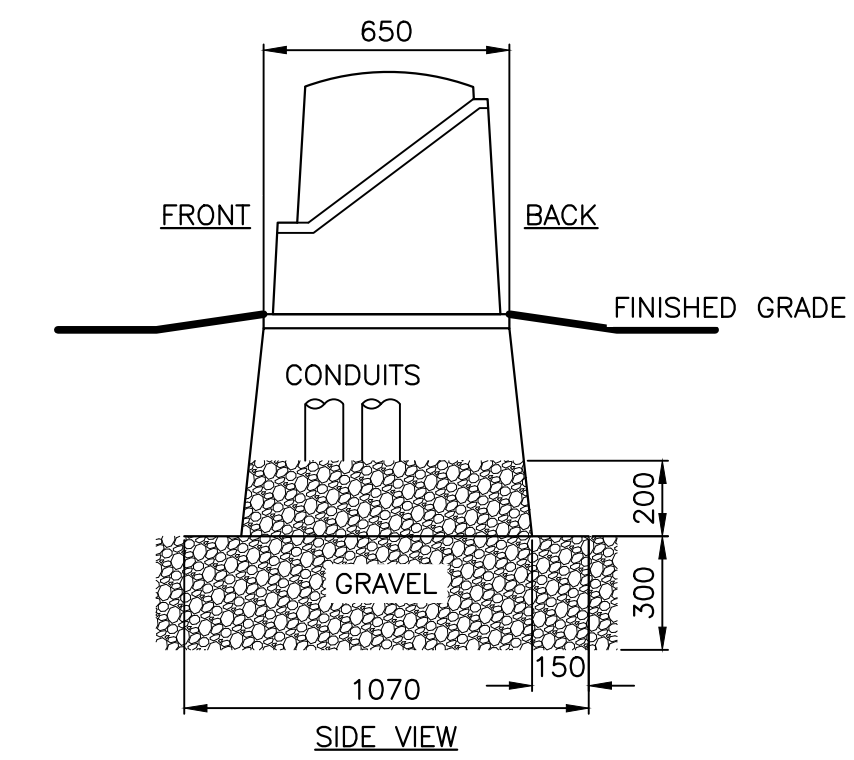
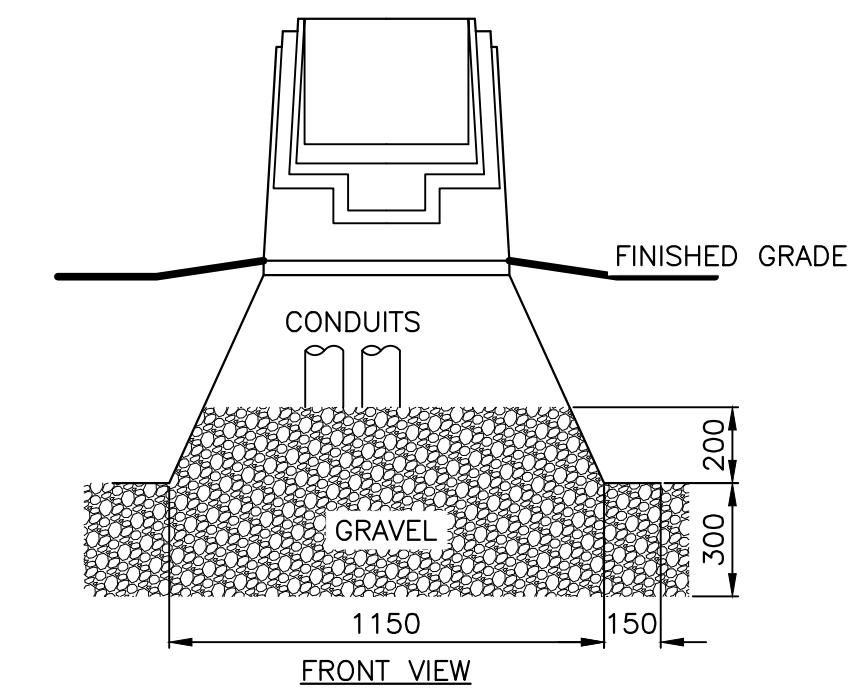
- NOTES:**
- P = PRIMARY VOLTAGE DUCT, 125mm (5") RIGID PVC (1 & 3 PHASE) QUANTITY TO BE DETERMINED BY MARITIME ELECTRIC. A MINIMUM OF TWO (2) DUCTS TO BE INSTALLED ALWAYS.
 - S = SECONDARY VOLTAGE DUCTS, 100mm (4") RIGID PVC OR DBZ FOR SECONDARY BUS BETWEEN TRANSFORMERS AND SECONDARY PEDESTALS AND FROM SECONDARY PEDESTAL. A MINIMUM OF TWO (2) DUCTS TO BE INSTALLED ALWAYS.
 - 6mm DIA. NYLON ROPE INSTALLED IN ALL DUCTS.
 - BACKFILLING OF TRENCH IN LAYERS (MECHANICALLY TAMPED.)
 - EXCAVATED SOIL MAY BE USED FOR BACKFILL, ABOVE SAND LEVEL IF FREE FROM LARGE ROCKS AND DEBRIS.
 - HIGH VOLTAGE WARNING RIBBON TO BE BURIED AT 300mm.
 - PRESSURE TREATED PLANKS - TWO (2) 50mm X 150mm TO BE BURIED 200mm ABOVE TOP OF CONDUITS IN PRIMARY VOLTAGE TRENCHES.
 - FOR ANY TRENCHING REQUIRED TO CROSS THE ROAD R.O.W. REFER TO DRAWING 2/E2/E2.
 - IF SITE CONDITIONS PROHIBIT TRENCH DEPTH AS PER THIS DRAWING CONSULT MECL.
 - ALL DUCTS TO BE LABELED WITH WEATHERPROOF TAGS INDICATING THE DESTINATION OF THE CONDUITS. IN THE CASE OF RESIDENCES, CIVIC NUMBERS ARE TO BE INSTALLED.
 - CONTRACTOR TO PROVIDE A MINIMUM OF 48 HOURS NOTICE TO MECL PRIOR TO SCHEDULING BACKFILLING OF WORKS. BACKFILLING NOT PERMITTED UNTIL APPROVED BY MECL.

TRENCHING DETAILS 1
SCALE : N.T.S.



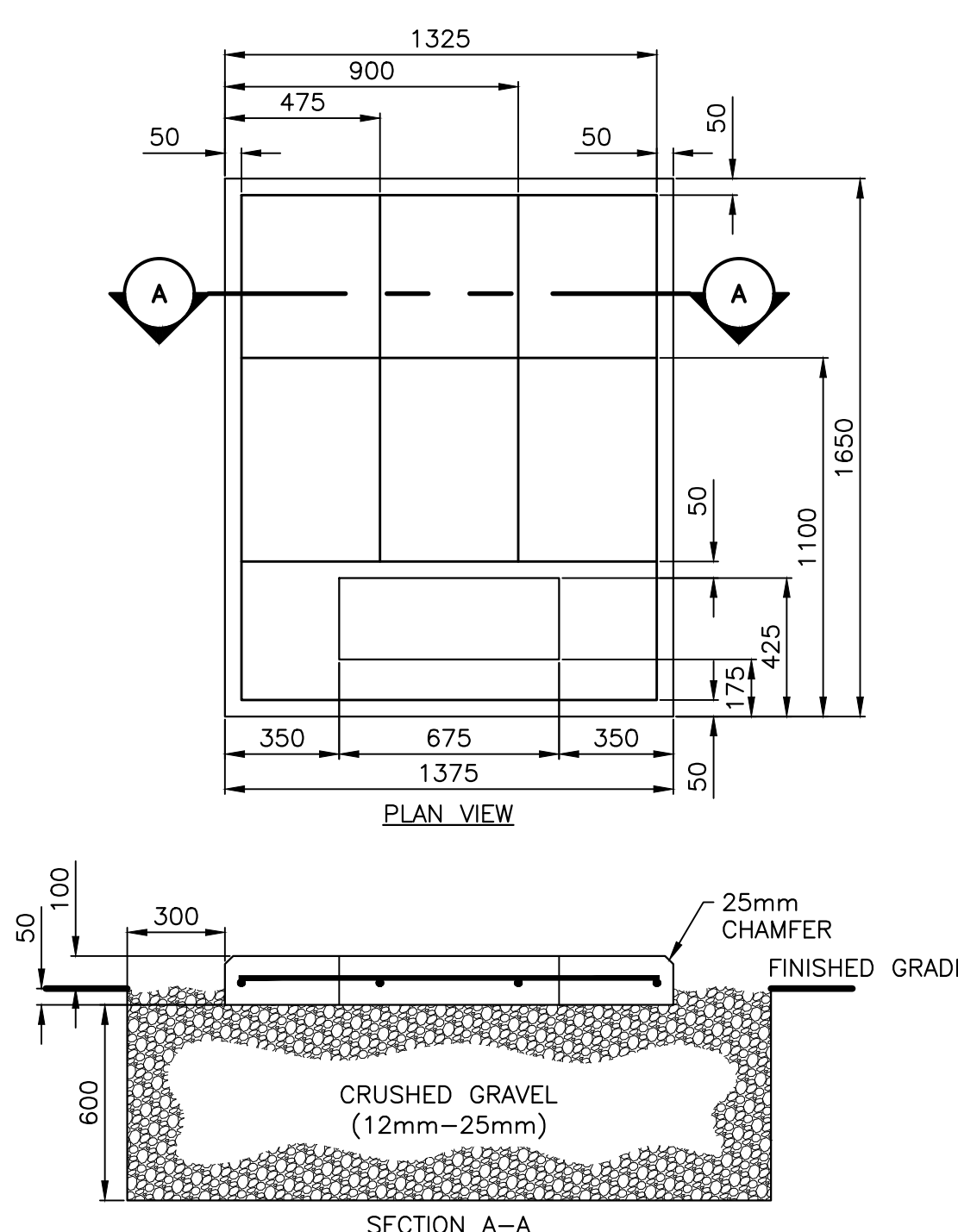
- NOTES:**
- TRENCH WIDTH TO BE IN ACCORDANCE WITH OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS. REFER TO DRAWING 1/E2/E2.
 - A 3000mm WORKING SPACE MUST BE PROVIDED IN FRONT OF TRANSFORMER PAD.
 - A 1200mm OF FLAT SPACE MUST BE PROVIDED IN FRONT OF TRANSFORMER PAD IN LOCATIONS WHERE SLOPE EXISTS.
 - ALL DIMENSIONS AS IN MILLIMETERS UNLESS INDICATED.
 - EASEMENT APPLIES TO PADMOUNT EQUIPMENT AND SECONDARY PEDESTALS.

UNDERGROUND CLEARANCES AT DITCHES IN R.O.W. 2
SCALE : N.T.S.



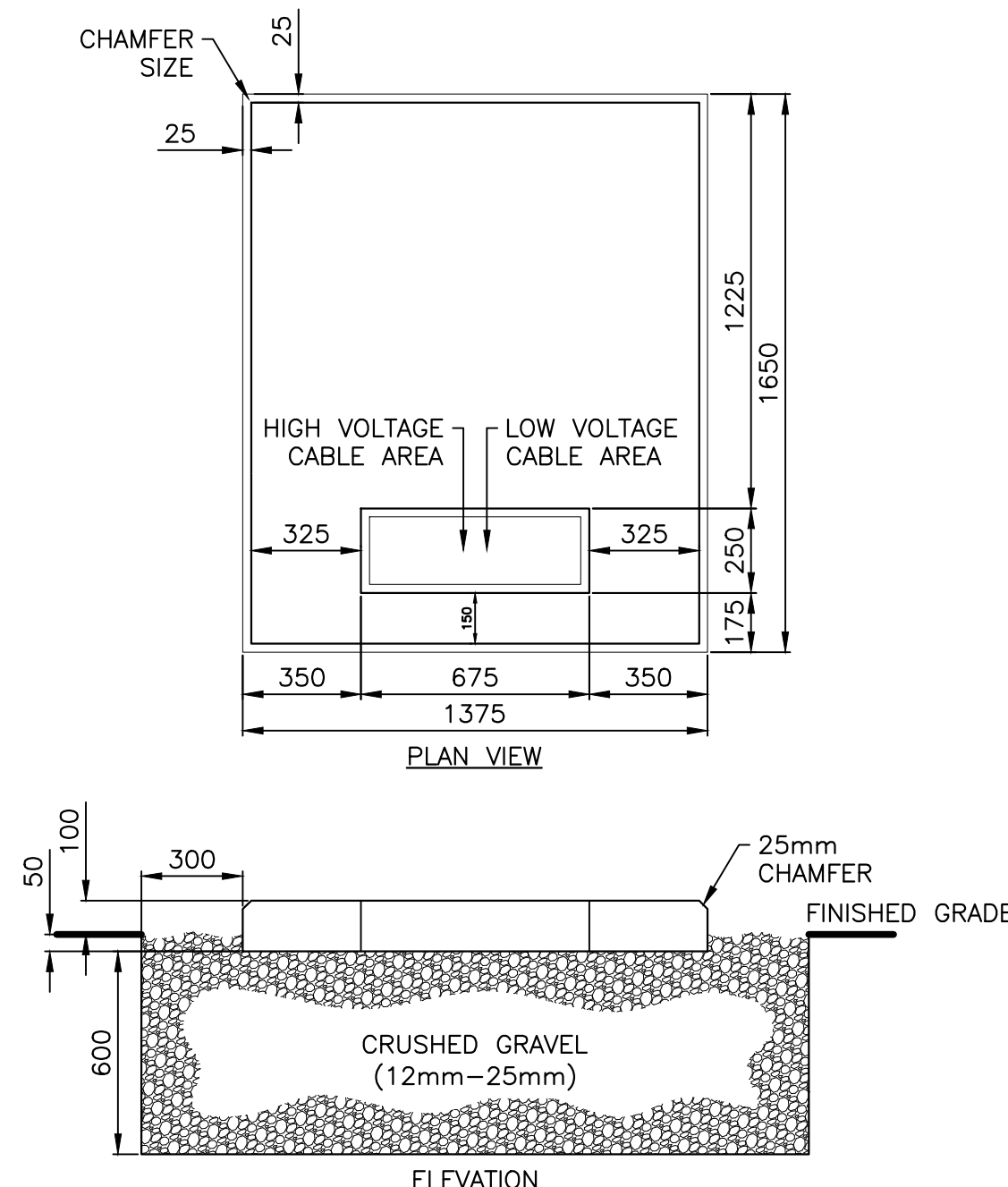
- NOTES:**
- ALL APPROPRIATE PRIMARY CONDUITS TO BE INSTALLED IN EXCAVATED AREA.
 - BACKFILL MATERIAL TO BE MECHANICALLY TAMPED FROM THE BOTTOM OF THE EXCAVATION TO THE GRAVEL LEVEL.
 - NO LESS THAN 300mm OF DRAINAGE GRAVEL EXTENDING 150mm BEYOND THE OUTSIDE EDGE OR CABINET TO BE INSTALLED AND COMPACTED.
 - 200mm OF DRAINAGE GRAVEL TO BE INSTALLED INSIDE CABINET AFTER IT HAS BEEN PLACED.
 - CABINET IS TO BE SQUARELY POSITIONED AND LEVELLED. THE CABINET IS TO BE GRADED AWAY WITH TOP SOIL.
 - ALL CONDUITS ARE TO BE LABELED WITH WATERPROOF TAGS INDICATING CONDUIT DIRECTION.
 - CONDUITS ARE TO BE CUT HALFWAY BETWEEN GRAVEL AND TOP OF BASE.
 - REFER TO GROUNDING DETAIL DRAWING 2/E3/E3.
 - REFER TO VEHICLE PROTECTION DETAIL DRAWING 6/E2/E2.

SINGLE PHASE PRIMARY SECTIONALIZING CABINET 3
SCALE : N.T.S.



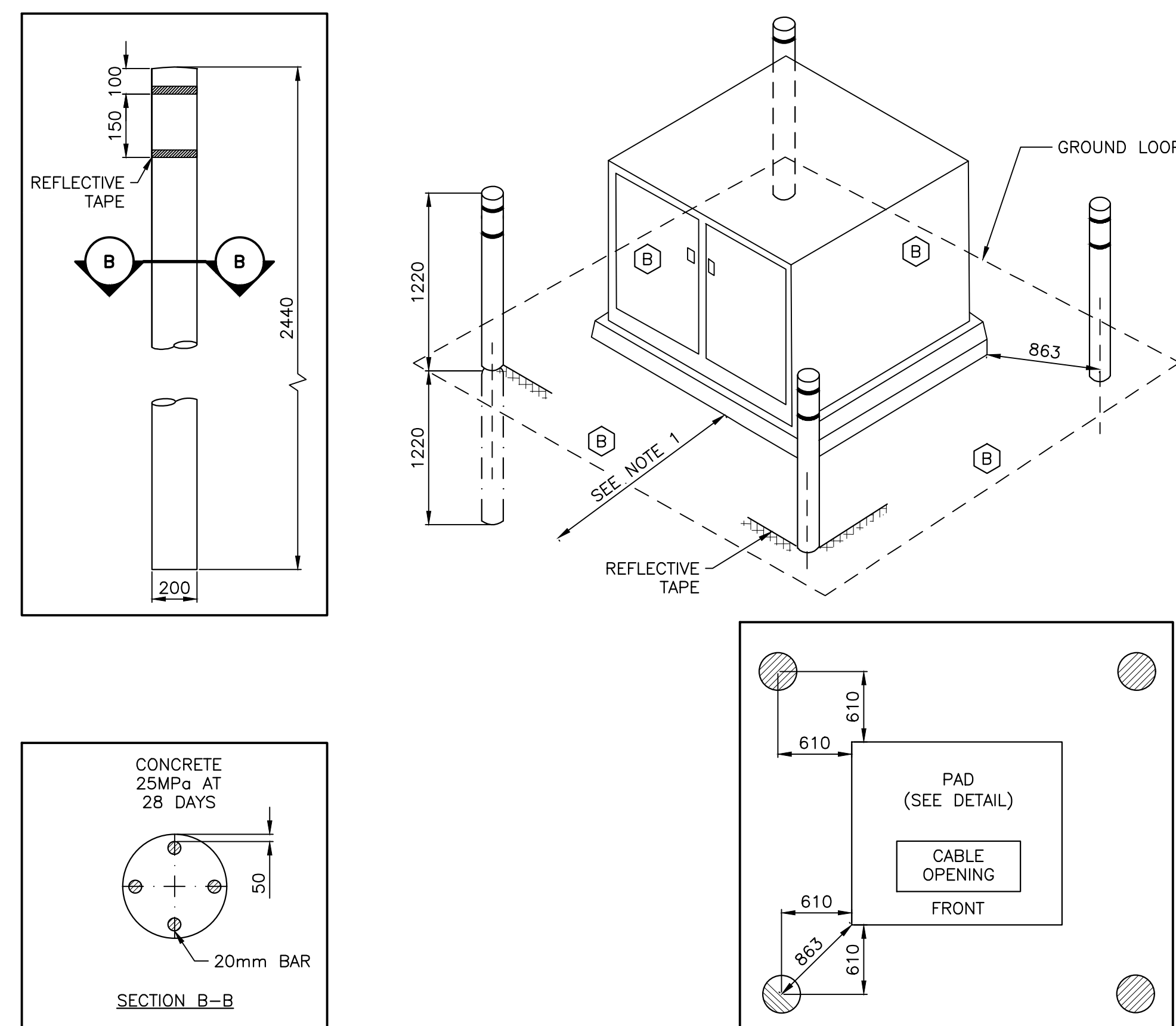
- NOTES:**
- ALL BARS 15M STEEL $f_y = 350MPa$ CONCRETE $f_c = 25 MPa$ AT 28 DAYS CONCRETE 1.6 CU. METERS
 - MAXIMUM AGGREGATE - 25mm.
 - ALL DIMENSIONS IN MILLIMETERS.
 - MINIMUM COVER - 50mm TYPICAL.
 - IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OR TRANSFORMER PAD.
- | BAR LIST: | SIZE | LENGTH | PCS. |
|-----------|-----------|--------|------|
| | 15 | 1550 | 2 |
| | 15 | 1275 | 4 |
| | 15 | 1125 | 2 |
| | LEFT HOOK | | 1 |

CONCRETE PAD REINFORCEMENT DETAIL SINGLE PHASE UP TO 167kVA 4
SCALE : N.T.S.



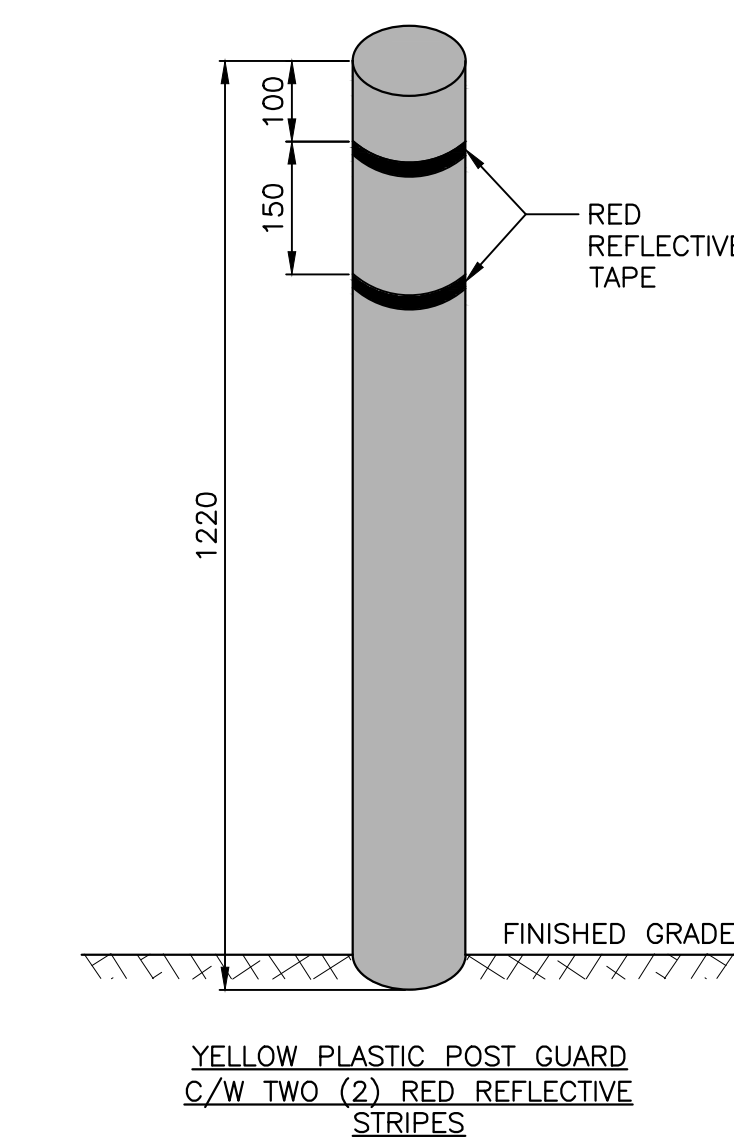
- NOTES:**
- CONCRETE = 25 MPa AT 28 DAYS.
 - CONCRETE 1.6 CU. METERS.
 - REFER TO DRAWING 4/E2/E2 FOR REINFORCING DETAILS.
 - REFER TO DRAWING 1/E3/E3 FOR GROUNDING DETAILS.
 - REFER TO DRAWING 6/E2/E2 FOR BOLLARD DETAILS.
 - REFER TO DRAWING 4/E3/E3 FOR PADMOUNT EQUIPMENT LOCATION DETAIL.
 - IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT UTILITY FOR INCREASED SIZE OF TRANSFORMER PAD.
 - A 300mm FLAT AREA MUST BE PROVIDED IN FRONT AND 600mm ON EACH SIDE OF TRANSFORMER.
 - ALL SECONDARY DUCTS TO BE LABELED WITH WEATHERPROOF TAG INDICATING THE CIVIC NUMBERS OR TAP BOX THEY FEED.
 - GRAVEL TO BE NO GREATER THAN 35mm OR NO LESS THAN 15mm.
 - CONDUITS TO BE FLUSH WITH THE SURFACE OF THE CONCRETE TRANSFORMER PAD.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.

CONCRETE PAD DETAIL SINGLE PHASE UP TO 167kVA 5
SCALE : N.T.S.



- NOTES:**
- ORIENTATION OF PAD OR SECTIONALIZING CABINET MUST ALLOW 3000mm OF WORK SPACE IN FRONT OF PAD FOR OPERATION.
 - THE TRANSFORMER OR SECTIONALIZING CABINET SHALL BE INSTALLED AT LEAST 3000mm FROM ANY COMBUSTIBLE SURFACE OR MATERIAL ON A BUILDING AND SHALL BE INSTALLED AT LEAST 6000mm FROM ANY WINDOW, DOOR OR VENTILATION OPENING ON A BUILDING. IF THESE CLEARANCES CANNOT BE MET AN APPROVED CONCRETE RETAILING WALL MUST BE PROVIDED.
 - ALL DIMENSIONS AS IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - IF THE PADMOUNT TRANSFORMER REQUIRES A BLAST WALL, PLEASE CONTACT MECL FOR INCREASED SIZE OF TRANSFORMER PAD.
 - BOLLARDS MUST HAVE PLASTIC COVER WITH REFLECTIVE TAPE. YELLOW COVERS ARE REQUIRED FOR AREAS INTENDED FOR VEHICLE TRAFFIC/PARKING.
 - REFER TO GROUNDING DETAIL DRAWING 1/E3/E3 AND 2/E3/E3.
 - MECL REPRESENTATIVE WILL INFORM YOU IF MORE THAN FOUR (4) BOLLARDS ARE REQUIRED.
 - REINFORCING STEEL SET 1220mm IN GROUND. USE SONO TUBE TO FORM. NO METAL ON BOLLARD EXTERIOR UNLESS GROUND.
 - FOR MECL APPROVED BOLLARD COVERS DETAILS, REFER TO DRAWING 7/E2/E2.

PADMOUNT TRANSFORMER & SECTIONALIZING CABINET CONCRETE PROTECTIVE BOLLARDS 6
SCALE : N.T.S.



- NOTES:**
- ONLY MECL APPROVED PLASTIC BOLLARD COVERS TO BE INSTALLED.
 - HDPE POST GUARD / SURE GUARD YELLOW C/W TWO (2) REFLECTIVE RED STRIPES.
 - THE WIDTH OF THE PLASTIC BOLLARD COVER IS 225mm (8-7/8") AND HEIGHT IS 1320mm (52").
 - BOLLARDS SHALL BE PLACED SO AS NOT TO OBSTRUCT ANY DOORS NOR RESTRICT THE OPERATION OF THE EQUIPMENT.
 - REFER TO DRAWINGS 6/E2/E2, 1/E3/E3 AND 2/E3/E3 FOR MORE DETAIL.

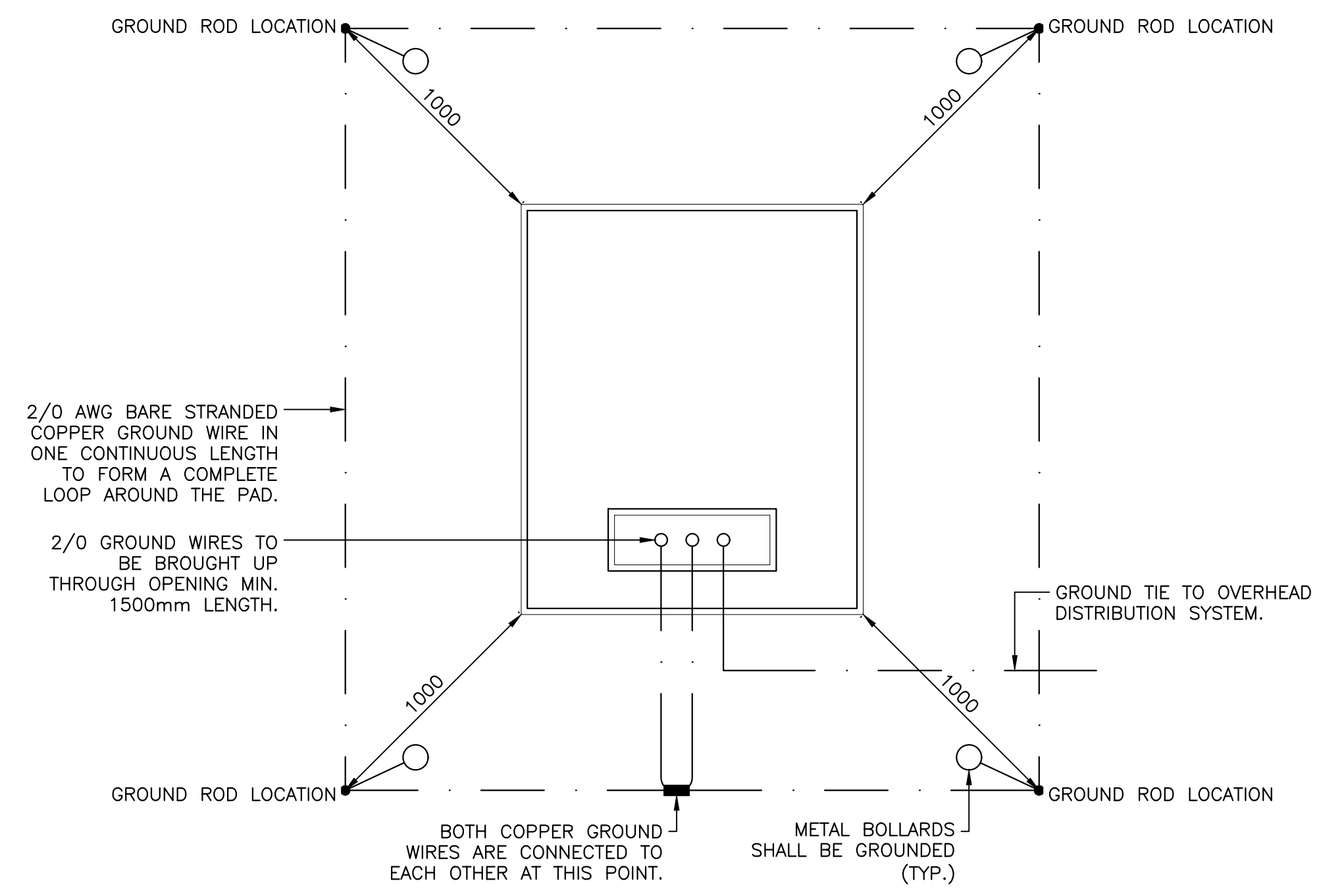
CONCRETE PAD DETAIL SINGLE PHASE UP TO 167kVA 7
SCALE : N.T.S.

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revisions		date
project		project

PRINCE EDWARD ISLAND NATIONAL PARK GREENWICH

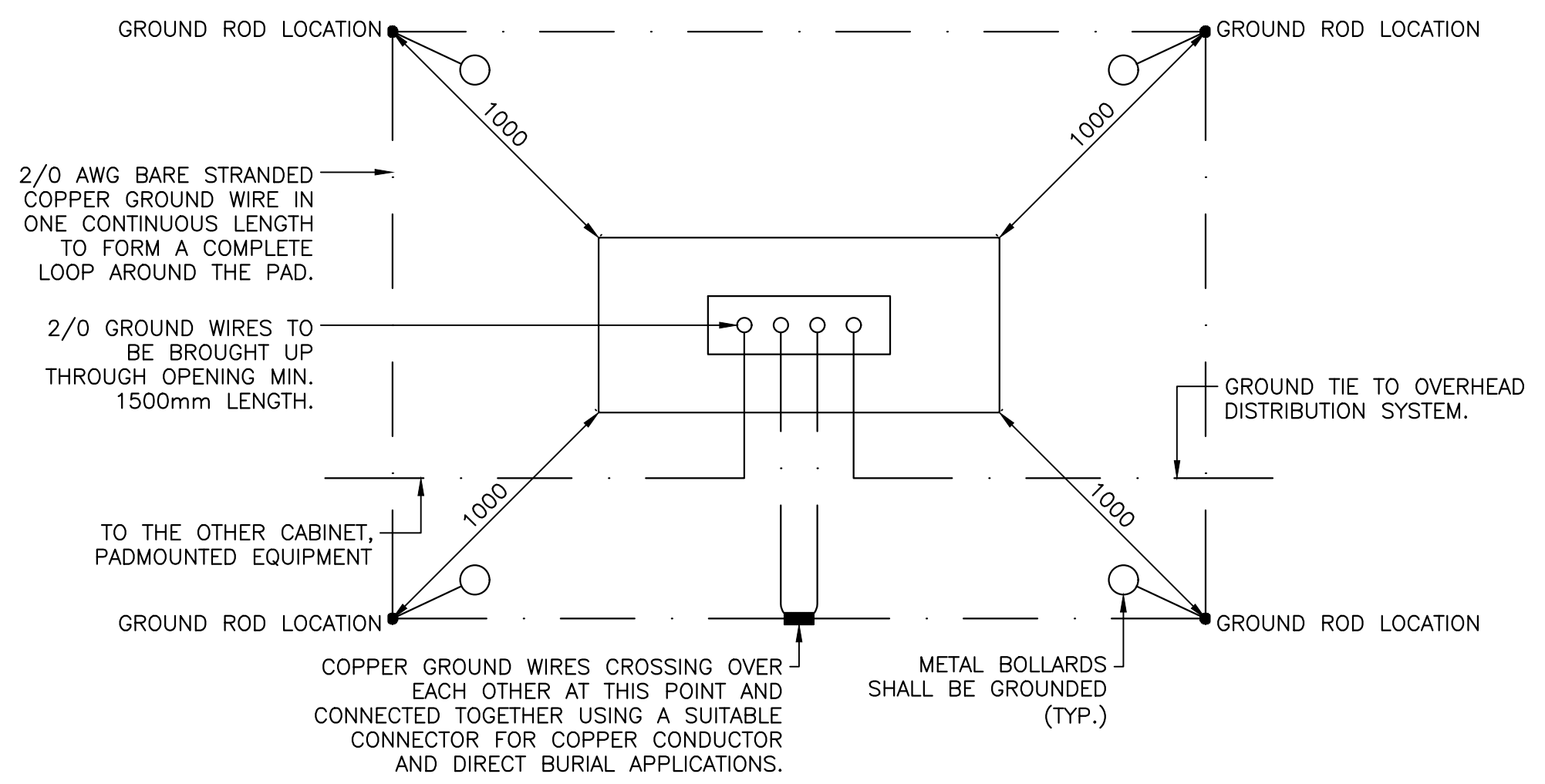
ELECTRICAL SITE DETAILS MECL SPECIFICATIONS

designed M.N.	conçu
date APRIL 2019	
drawn M.K.	dessiné
date APRIL 2019	
approved M.N.	approuvé
date APRIL 2019	
Tender	Soumission
PWSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
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drawing no.	no. du dessin
E2	



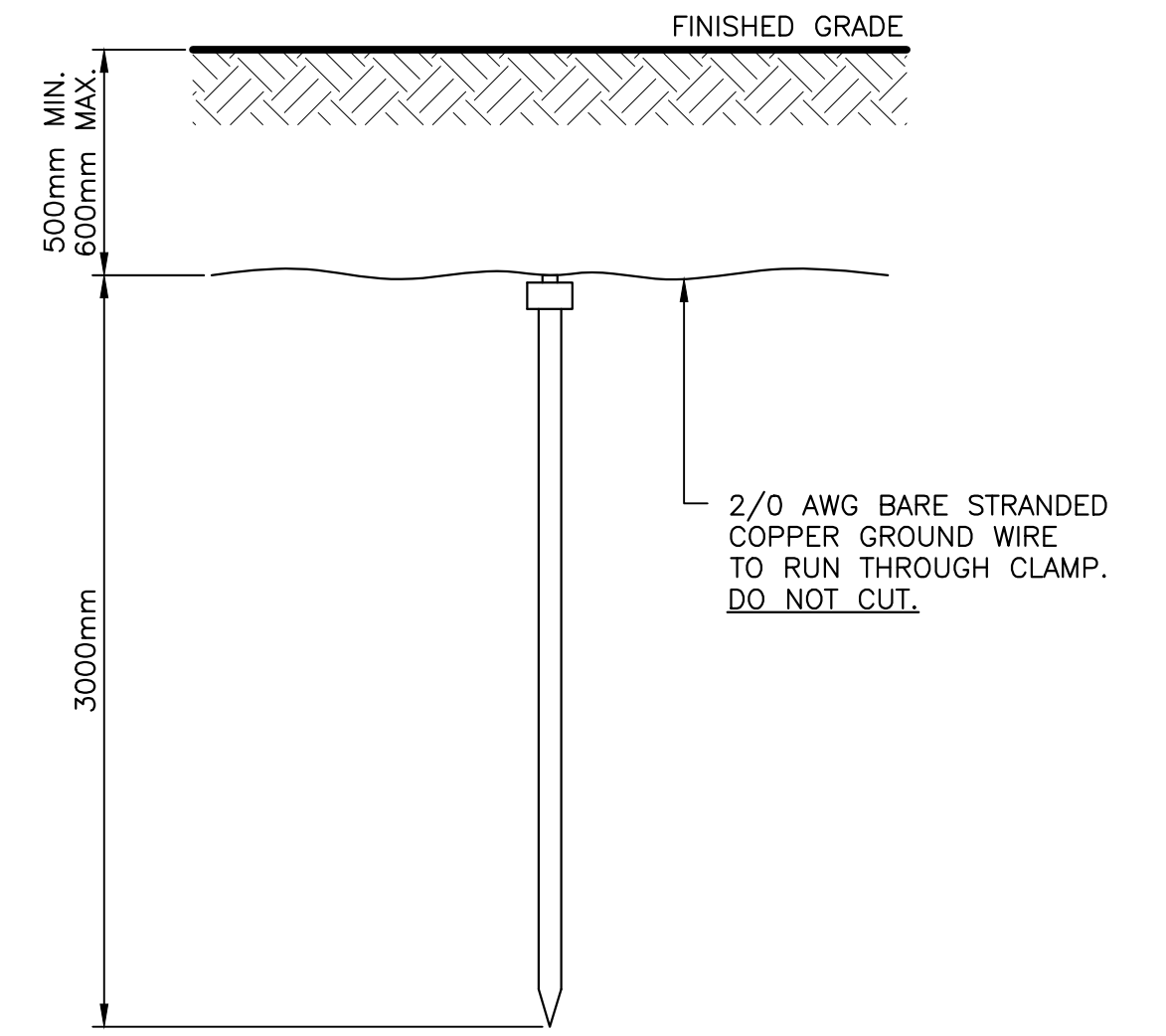
- NOTES:**
1. ENDS OF GROUND WIRE SHALL BE CONNECTED TO GROUNDING BAR IN THE TRANSFORMER CUBICLE. LEAVE 300mm OF GROUND WIRE ABOVE CONCRETE PAD.
 2. GROUND WIRES SHALL NOT PASS OVER THE PAD, BUT UP THROUGH THE OPENING.

GROUND DETAILS FOR PADMOUNT TRANSFORMER 1
SCALE : N.T.S.



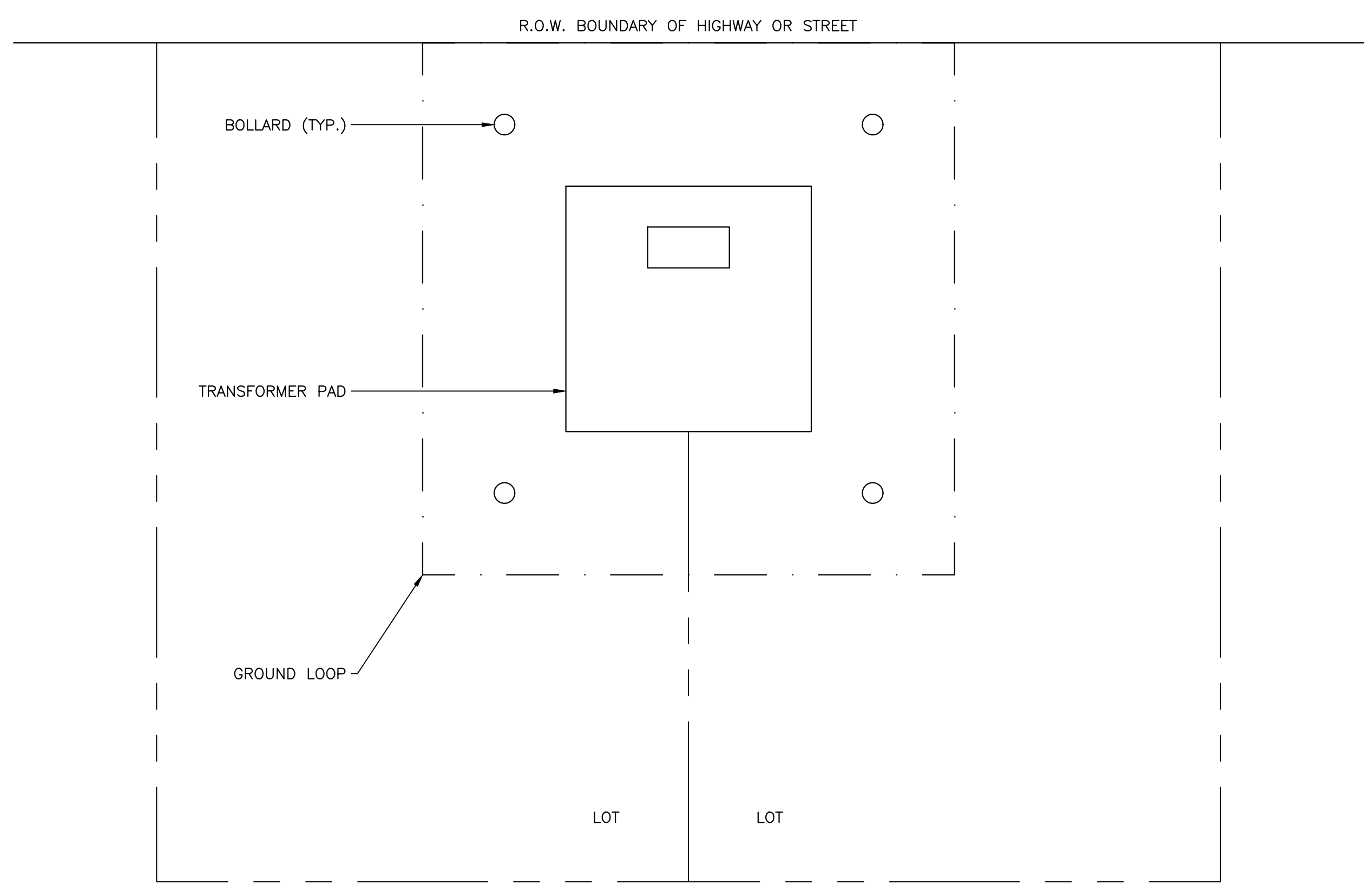
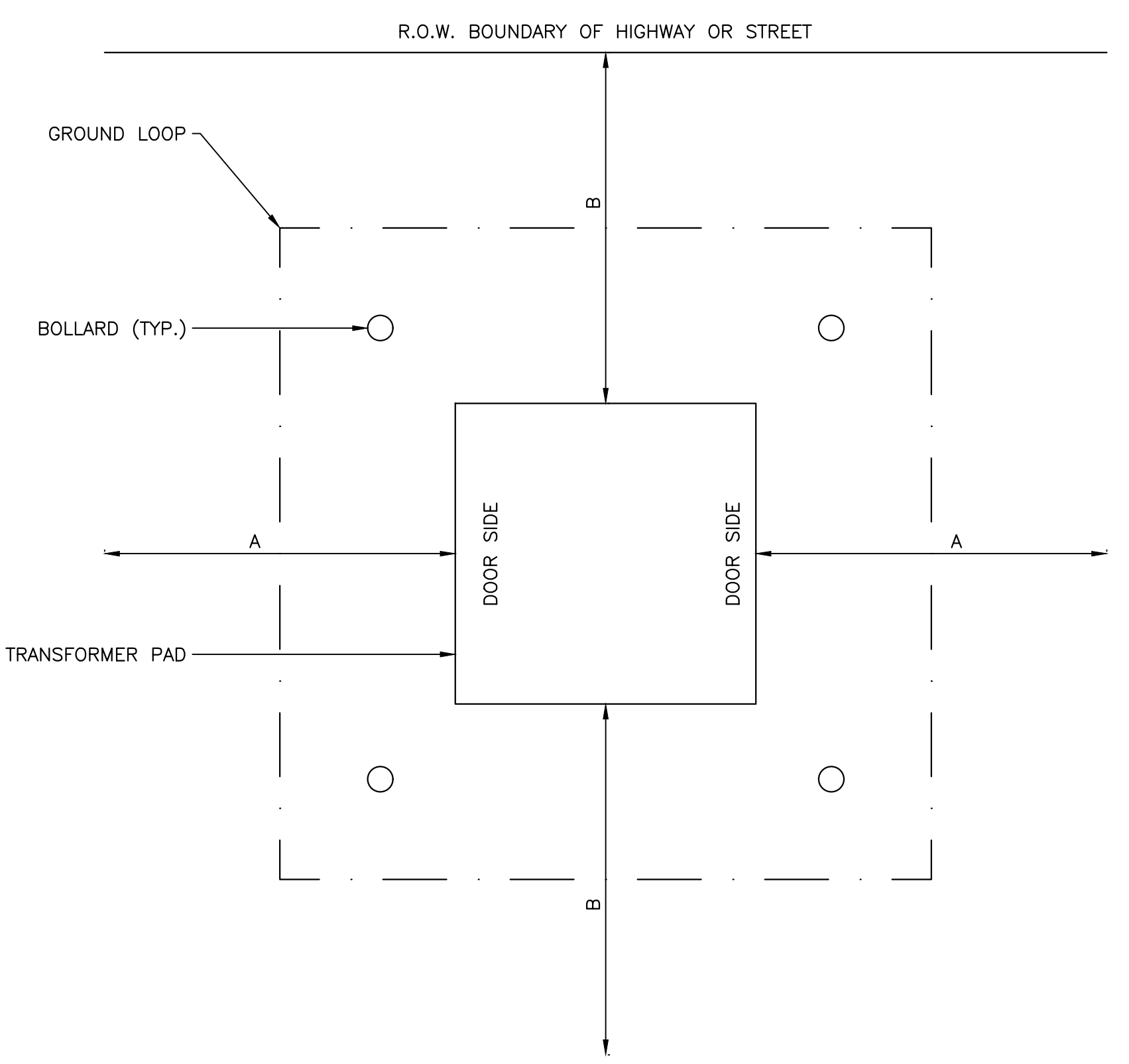
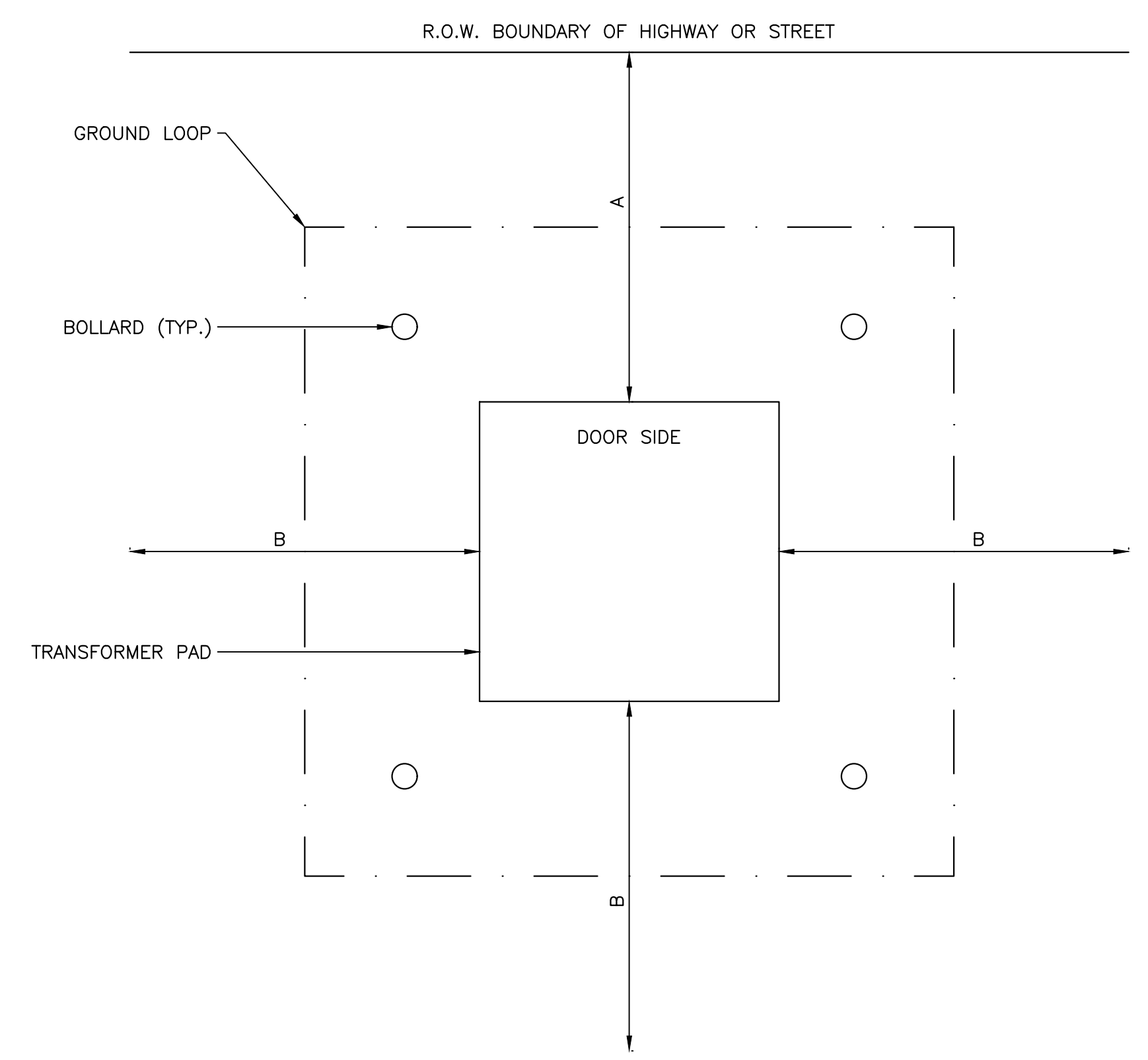
- NOTES:**
1. ENDS OF GROUND WIRE SHALL BE CONNECTED TO GROUNDING BAR IN THE CABINET. LEAVE 300mm OF GROUND WIRE INSIDE THE CABINET.

GROUND DETAILS FOR SECTIONALIZING CABINET 2
SCALE : N.T.S.



- NOTES:**
1. GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 10 OF THE LATEST CANADIAN ELECTRICAL CODE PART 1.
 2. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.
 3. A ROD ELECTRODE OR PLATE ELECTRODE MAYBE USED FOR GROUNDING.
 4. PLATE ELECTRODE SHALL BE IN DIRECT CONTACT WITH EXTERIOR SOIL AT LESS THAN 600mm BELOW GRADE.
 5. DEPTH OF GROUNDING SYSTEM TO BE BETWEEN 300mm AND 600mm.

GROUND ROD AND CONNECTOR DETAIL 3
SCALE : N.T.S.



- NOTES:**
1. ALL FACILITIES MUST BE LOCATED OFF ROAD R.O.W. INCLUDING CONCRETE PAD, PROTECTIVE BOLLARDS AND GROUND GRID.
 2. SOME EQUIPMENT HAVE MORE THAN ONE ACCESS SIDES, LIKE SWITCH GEARS AND METERING CABINET. PLEASE CONSULT MECL.
 3. AN EASEMENT IS REQUIRED WHEN MECL FACILITIES ARE LOCATED ON PRIVATE PROPERTY. MECL SHOULD BE CONTACTED TO CONFIRM PROPER AREA REQUIRED FOR HIGH VOLTAGE PADMOUNT EQUIPMENT.
 4. THE WORKING SPACE SHALL BE OBSTRUCTION FREE INCLUDING LANDSCAPING.
 5. A MINIMUM SEPARATION IS REQUIRED FOR THE FOLLOWING SCENARIOS:
 - 5.1. 3000mm BETWEEN BUILDING AND PADMOUNTED EQUIPMENT.
 - 5.2. 3000mm FROM ANY COMBUSTIBLE DEVICE.
 - 5.3. 6000mm FROM ANY DOOR OR WINDOW.
 - 5.4. 6000mm FROM ANY VENTILATION INLET/OUTLET.

PHASE	DIMENSION 'A'	DIMENSION 'B'
SINGLE	3000mm	600mm
THREE	3000mm	1000mm

PADMOUNT EQUIPMENT LOCATION DETAILS 4
SCALE : N.T.S.



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PRINCE EDWARD ISLAND NATIONAL PARK GREENWICH

ELECTRICAL SITE DETAILS MECL SPECIFICATIONS

designed	M.N.	conçu
date	APRIL 2019	
drawn	M.K.	dessiné
date	APRIL 2019	
approved	M.N.	approuvé
date	APRIL 2019	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
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	E3	

GENERAL NOTES

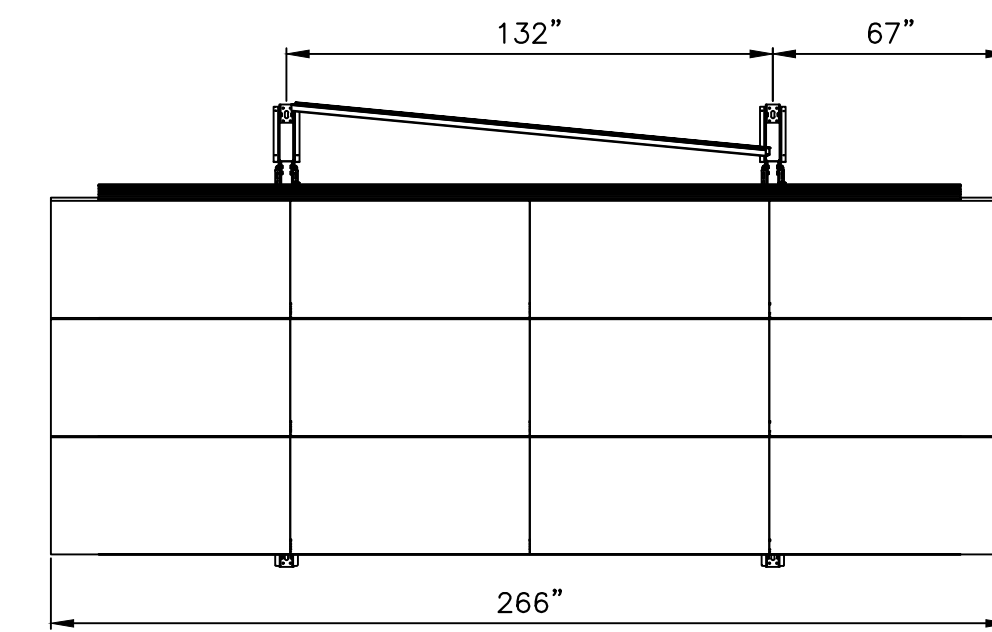
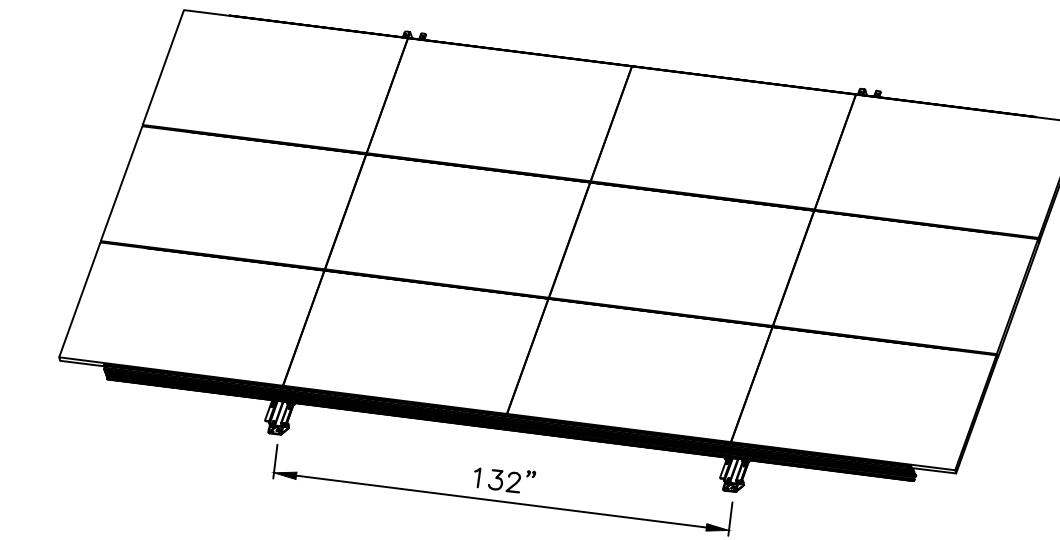
- UNLESS OTHERWISE NOTED, MATERIALS FOR REMOVAL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE TAKEN FROM SITE AND DISPOSED IN ACCORDANCE WITH STANDARDS.
- MAINTAIN EXISTING REMAINING CIRCUITS AND ALL SYSTEMS WHICH PASS THROUGH ALL AREAS OF CONSTRUCTION. PROVIDE NECESSARY MATERIALS AND MAINTAIN SYSTEMS THAT ARE REMAINING. ENSURE ALL MATERIALS ARE CONCEALED WHEN CONSTRUCTION IS COMPLETE.
- ELECTRICAL CONTRACTOR SHALL REMOVE ALL REDUNDANT WIRING AND CONDUITS, EXISTING REDUNDANT CONDUIT FEEDERS AND CONTROL CONDUITS AS REQUIRED UP TO OUTSIDE OF DEMOLITION AREA. ELECTRICAL CONTRACTOR SHALL DISPOSE OF THE EXISTING REDUNDANT WIRING AND CONDUITS.
- THESE DRAWINGS INDICATE KNOWN CONDITIONS AND MAY NOT INDICATE ALL DEMOLITION REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE DURING THE TENDER PERIOD TO BECOME FAMILIAR WITH THE SITE.
- PROVIDE ALL TEMPORARY SERVICES THROUGHOUT DEMOLITION AND CONSTRUCTION OF CONTRACTED AREA.
- ALL EXISTING WIRING TO REMAIN.
- USE EXISTING BREAKERS.
- REMOVE EXISTING SOLAR PANELS AND ALL ASSOCIATED CABLING.
- REMOVE SOLAR SYSTEM ELECTRICAL COMPONENTS FROM THE ELECTRICAL ENCLOSURE.
- THE MAIN DISTRIBUTION PANEL AND MANUAL TRANSFER SWITCH TO REMAIN AND RECONNECTED WITH NEW SYSTEM.

SCOPE OF PROJECT

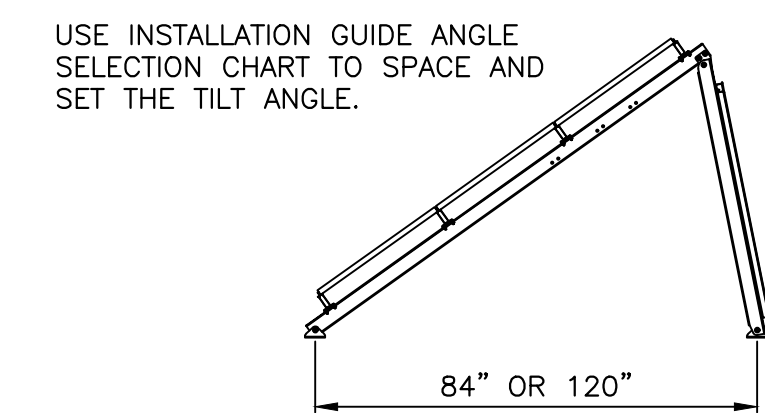
- PROVIDE AND INSTALL NEW UTILITY SERVICE (MECL) TO SITE WITH NET METERING.
- PROVIDE AND INSTALL SOLAR SYSTEM FOR NET.
- REMOVE AND DECOMMISSION EXISTING SOLAR PANELS AND ASSOCIATED EQUIPMENT.
- EXISTING GENERATOR TO REMAIN AS EMERGENCY POWER TO SITE.
- CABLE ROUTING TO THE ELECTRICAL CABINET AND SOLAR PANELS SHALL BE UNDER THE DECK FASTENED TO THE UNDERSIDE.

RACKING LAYOUT DETAIL

- RACKING: TITAN LITE 2L60 (1)
- MODULES: LG-330 (12)
- MODULE DIMENSIONS: 66.38" x 40" (INSTALLER TO VERIFY)
- RACKING FOUNDATION REQUIREMENTS TO BE PROVIDED BY SOLAR SYSTEM MANUFACTURER.
- SOLAR PANELS TO BE INSTALLED ON ROOF AT THE SAME LOCATION WHERE EXISTING PANELS WERE.



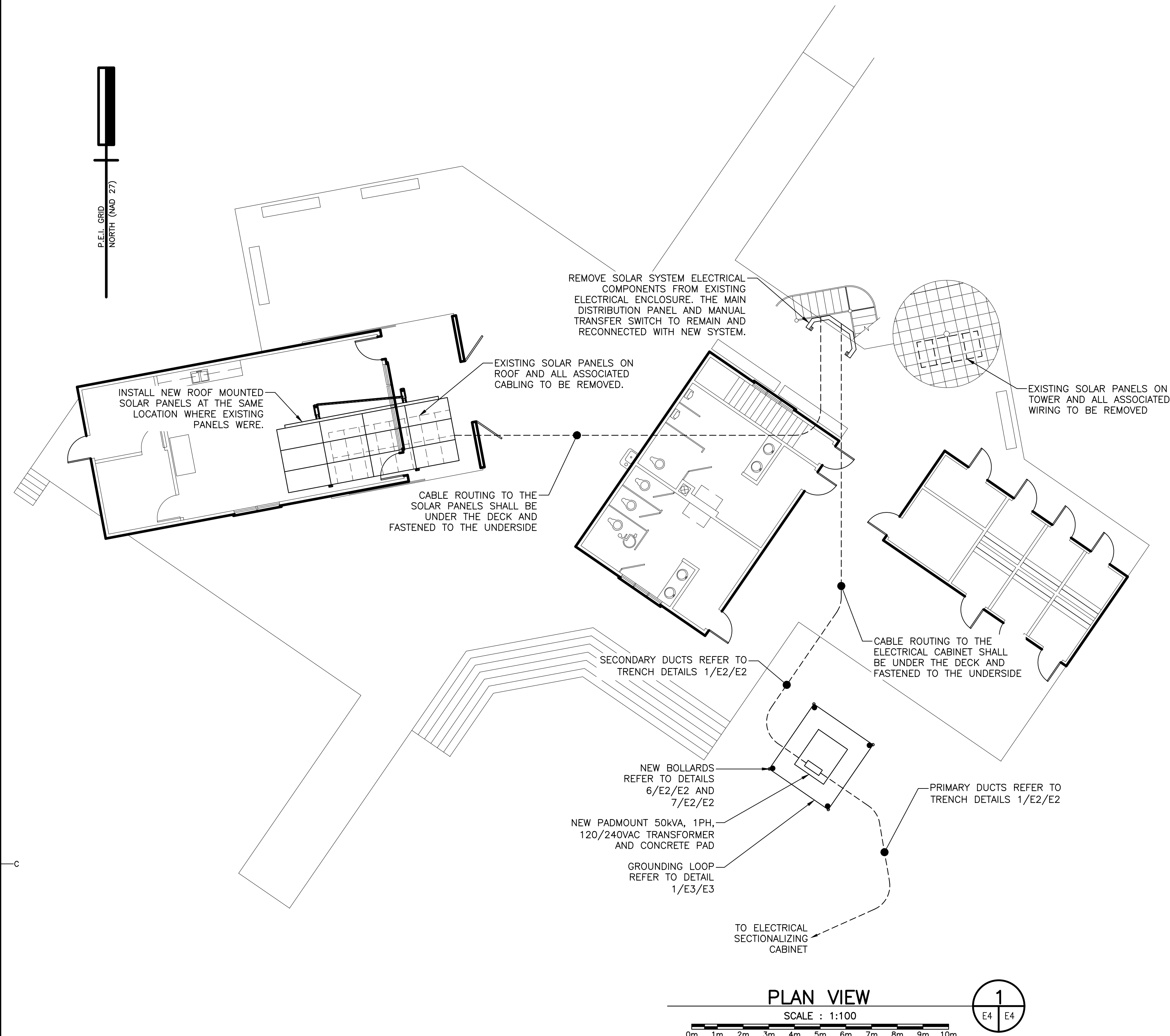
TOP VIEW



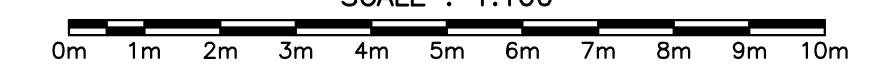
SIDE VIEW

USE INSTALLATION GUIDE ANGLE SELECTION CHART TO SPACE AND SET THE TILT ANGLE.

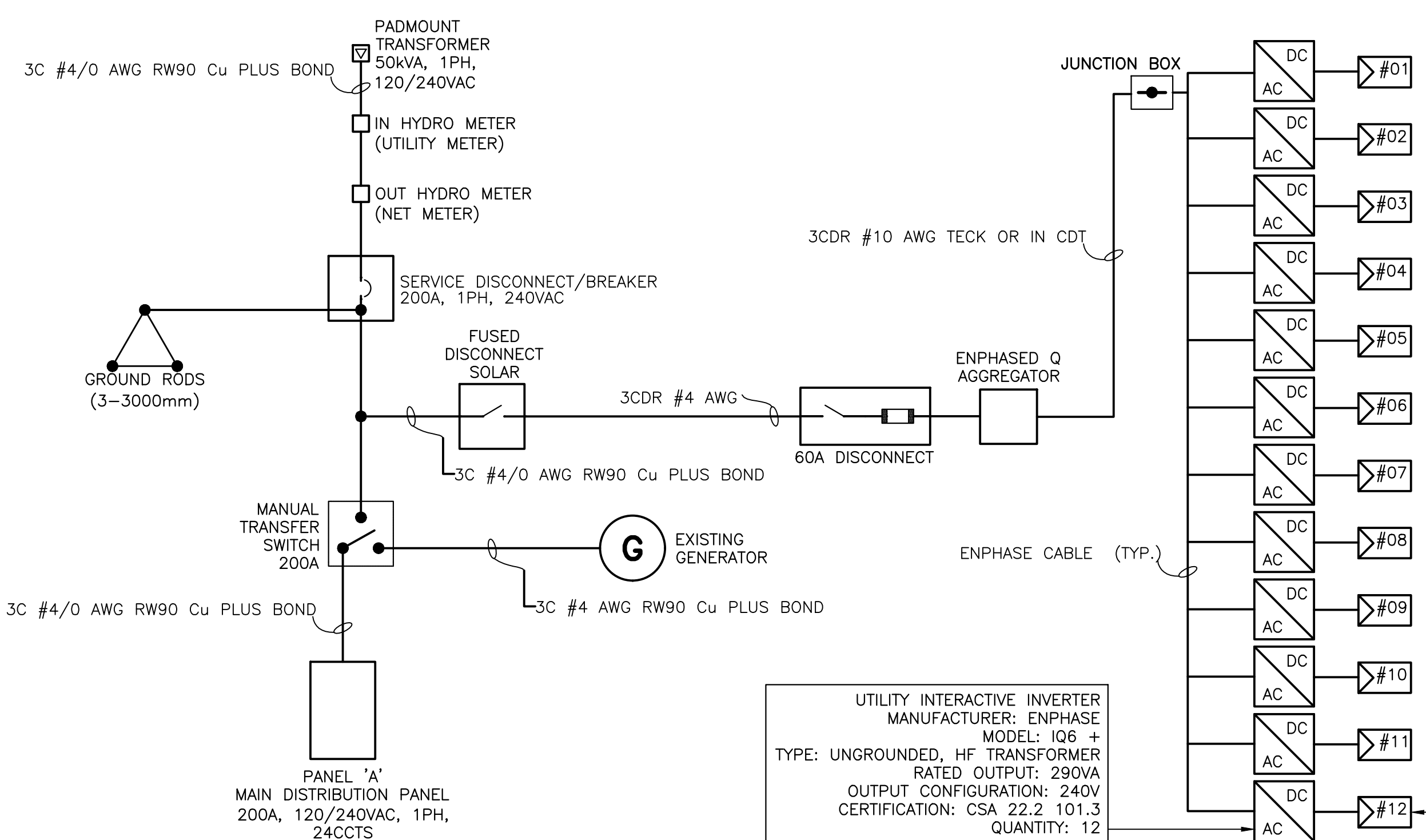
SOLAR RACKING LAYOUT 2
SCALE : N.T.S.



PLAN VIEW 1
SCALE : 1:100



1
E4 E4

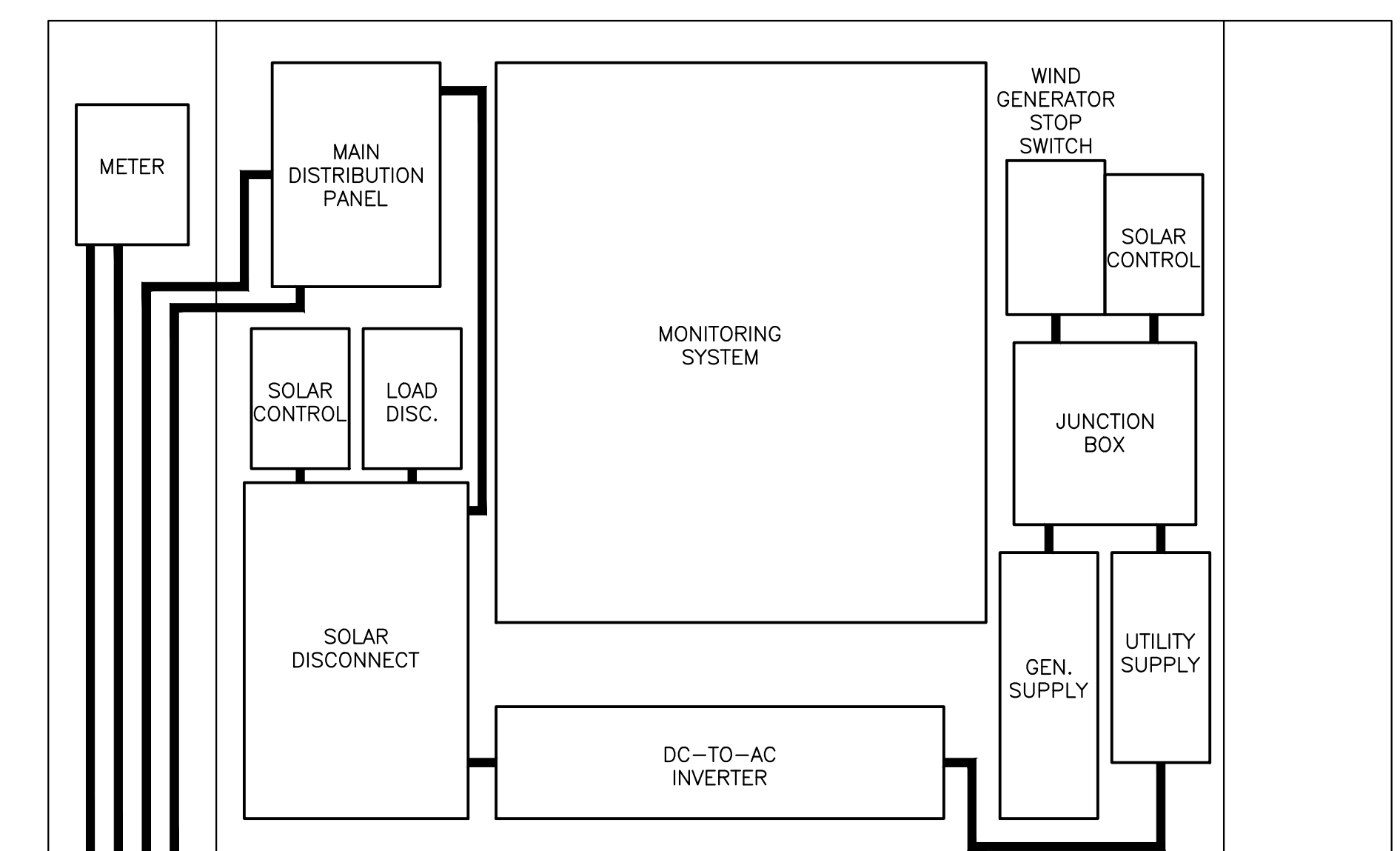


- NOTES:
- SYSTEM MUST BE INSTALLED UP TO CURRENT ELECTRICAL CODE.
 - MUST BE LABELED "WARNING - TWO POWER SOURCES PARALLEL SYSTEM"
 - MUST BE LABELED "DISTRIBUTION GENERATION SYSTEM DISCONNECT - WARNING - TWO POWER SOURCES" AND "MAXIMUM FUSE SIZE: ***A"
 - UTILITY METER AND DISTRIBUTED GENERATION DISCONNECT SWITCH MUST BE MOUNTED TOGETHER ON EXTERIOR WALL 1.7M TO 2.1M ABOVE GRADE AS PER EHM STANDARD.
 - CONFIGURATION AND VOLTAGE RATING OF THE PROPOSED METER MUST MATCH THE EXISTING METERING EQUIPMENT.
 - SINGLE LINE DIAGRAM MUST BE POSTED AT METER.

UTILITY INTERACTIVE INVERTER
MANUFACTURER: ENPHASE
MODEL: IQ6 +
TYPE: UNGROUNDED, HF TRANSFORMER
RATED OUTPUT: 290VA
OUTPUT CONFIGURATION: 240V
CERTIFICATION: CSA 22.2 101.3
QUANTITY: 12

PV GENERATOR
MANUFACTURER: LG
MODEL: LG-330
OPEN CIRCUIT VOLTAGE: 40.9V
SHORT CIRCUIT CURRENT: 10.45A
STC RATING: 330W
CERTIFICATION: CSA
QUANTITY: 12

POWER DISTRIBUTION SINGLE LINE DIAGRAM 3
SCALE : N.T.S.



- NOTES:
- DISCONNECT AND REMOVE ALL SOLAR ELECTRICAL PANELS, DISCONNECTS, METERS, ETC.
 - EXISTING DISTRIBUTION PANEL TO REMAIN AND RECONNECT TO NEW FEEDS.
 - EXISTING MANUAL TRANSFER SWITCH TO REMAIN.
 - INSTALL ALL NEW EQUIPMENT AS PER SINGLE LINE DIAGRAM DRAWING IN ENCLOSURE AND CONNECT TO LOAD.
 - EXISTING ELECTRICAL ENCLOSURE APPROXIMATE SIZE: 1500mm (6'-0") WIDTH X 1800mm (5'-0") HEIGHT

EXISTING ELECTRICAL ENCLOSURE 4
SCALE : N.T.S.



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PRINCE EDWARD ISLAND NATIONAL PARK GREENWICH

PLAN VIEW AND SINGLE LINE DIAGRAMS

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