

Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

JEREMY'S BAY
WASHROOM RENOVATION
1221 CHARLES LOOP ROAD
KEJIMKUJIK NATIONAL PARK
CALEDONIA, NOVA SCOTIA

PROJECT NO. R.073402.001

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ISSUED : JANUARY 12, 2015 ISSUE FOR TENDER

GENERAL DEMOLITION NOTES

1. THESE NOTES, TOGETHER WITH THE DRAWINGS, ARE INTENDED TO PROVIDE A COMPLETE SET OF CONTRACT DOCUMENTS. ALL REQUIRED DEMOLITION AND NEW WORK SHALL BE INCLUDED IN THE BASE BID PACKAGE SUBMITTED BY THE CONTRACTOR.
2. A TIDY SITE MUST BE MAINTAINED AT ALL TIMES. DO NOT ALLOW MATERIALS AND DEBRIS GENERATED BY DEMOLITION ACTIVITIES TO ACCUMULATE ON THE JOB SITE. REMOVE DAILY AND DISPOSE OF PROPERLY. NO ON SITE SALE OR BURNING OF REMOVED ITEMS IS PERMITTED.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENTIRE SET OF CONSTRUCTION DRAWINGS. DO NOT REMOVE ANY ITEMS WITHOUT VERIFYING AND COORDINATING WITH ALL SUB-CONTRACTORS AS TO HOW THEY RELATE TO THE OVERALL PROJECT.
4. THE CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE PUBLIC AND WORKERS ON THE SITE TO PREVENT ACCIDENTS OR INJURY TO ANY PERSON ON, ABOUT OR ADJACENT TO THE PREMISES. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, CODES AND REGULATIONS PERTAINING TO SAFETY AND THE PREVENTION OF ACCIDENTS.
5. WORKPLACE MUST BE SECURED AT ALL TIMES. REFER TO EXISTING PLAN FOR PROPOSED LOCATIONS OF HOARDING. FINAL LOCATION AND CONSTRUCTION TO BE CONFIRMED ON-SITE AND IN AGREEMENT WITH CONTRACT, PWGSC STAFF AND ARCHITECT.
6. THE CONTRACTOR MUST MAINTAIN ADEQUATE SUPPORT, INSULATION, WATERPROOFING, EMERGENCY LIGHTING, SECURITY, ALARMS, ETC. FOR ALL ITEMS WHICH ARE TO REMAIN.
7. WHEN A BUILDING SYSTEM, COMPONENT OR DETAIL IS UNCOVERED THAT IS NOT AS PER THE DRAWINGS, NOTIFY THE CONSULTANT AND DEPARTMENT REPRESENTATIVE AS SOON AS POSSIBLE.
8. AROUND EXISTING PANELING, DOORS AND TRIM - PROTECT AS REQUIRED TO PREVENT DAMAGE DURING CONSTRUCTION.
9. ALL NEW PENETRATIONS THRU EXISTING FLOOR AND WALLS TO ACCOMMODATE SERVICES TO BE CO-ORDINATED WITH PROPOSED PLANS - ALL DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF DEPARTMENT REPRESENTATIVE FOR RESOLUTION.
10. NO OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS ARE INTENDED AND THE CONTRACTOR SHALL GIVE DUE CONSIDERATION TO THIS MATTER. ANY WORK OR MATERIAL REFERRED TO IN THE DRAWINGS AND NOT IN THE WRITTEN SPECIFICATION OR VISA VERSA SHALL BE FURNISHED AND PERFORMED.
11. CONFIRM ALL DIMENSIONS, HEIGHTS AND LOCATIONS OF SERVICES WITH CONSULTANTS PRIOR TO INSTALLATION. ADJUST TO SUIT EXISTING CONDITIONS AS REQUIRED.
12. EXISTING EXTERIOR BLOCK WALLS TO BE EXAMINED FOR CRACKING AND DETERIORATION. RE-POINT AREAS OF DAMAGE, ASSUME 100 FT OF RE-POINTING FOR BIDDING PURPOSES.
13. ALL THROUGH WALL AND FLOOR PENETRATIONS SHALL BE SEALED WITH SOUND CONTROL INSULATION AND/OR FIRE STOP.

DEMOLITION LEGEND

1. REMOVE EXISTING EXTERIOR LIGHT FIXTURES, AND EXAMINE SERVICE WIRES FOR DETERIORATION.
2. REMOVE EXISTING STAINLESS STEEL WASH STATIONS, BASIN, FAUCETS AND DRAIN/SUPPLY LINES. CAP FOR RECONNECTION.
3. REMOVE SIGNAGE, SET ASIDE, STORE FOR RE-USE ON SITE.
4. REMOVE SOFFIT, SOFFIT VENTS AND FASCIA. EXAMINE AND RECORD ANY SIGNS OF WATER DAMAGE OR DETERIORATION.
5. REMOVE PRESSURE TREATED METAL FLOOR GRILLS AT BOTH ENTRANCES. PREPARE AREA FOR NEW GRILLS. NEW GRILLS CONSTRUCTION TO MATCH EXISTING, SALVAGE EXISTING TO USE AS TEMPLATE.
6. SAW CUT EXISTING CONCRETE ALONG EDGE OF EXISTING BLOCK WALL. REMOVE ENTIRE EXTERIOR CONCRETE SLAB, FOOTINGS AND MISC. ITEMS.
7. REMOVE EXISTING EXTERIOR WALL MOUNTED FAUCETS.
8. REMOVE PAY PHONE AND REMOVE SERVICE FROM BUILDING.
9. INSPECT DRAINAGE TILE, CLEAN OUT, CONNECT TO NEW TILE TO BE INSTALLED AROUND ADDITION.
10. ADJUST FINISH GRADES AROUND BUILDING PERIMETER, TO A MINIMUM SLOPE OF 1:10.
11. CUT AWAY EXISTING EXTERIOR WALL AND SLAB TO EXPOSE EXISTING CLEAN-OUT. PREPARE AREA FOR NEW CONNECTION AND SECURE AREA.
12. CUT AWAY EXISTING EXTERIOR WALL AND SLAB AS REQUIRED TO INSTALL NEW PROPANE SERVICE LINES FOR NEW PROPANE HOT WATER HEATERS.
13. REMOVE EXISTING SKYLIGHT AND PREPARE CURB FOR NEW SKYLIGHT INSTALLATION. REMOVE FINISH IN SKYLIGHT WINDOW WELL ON THE INTERIOR AT EDGE OF CEILING.
14. CUT ROUGH OPENING IN THE EXISTING EXTERIOR WALL FOR NEW METAL DOOR FRAME AS INDICATED.
15. EXISTING ROOF, SHEATHING, PRE-ENGINEERED ROOF TRUSS AND FASCIAS TO BE REMOVED. REMOVE ANY REMAINING COMBUSTIBLE ROOFING FROM ORIGINAL FLAT ROOF STRUCTURE.
16. EXISTING ROOF TO BE REMOVED, REMOVE TOP PLATE AND PREPARE FOR NEW.
17. FLOOR DRAIN TO BE REMOVED. NOTE USED.
18. FLOOR DRAIN TO REMAIN.
19. EXISTING WALL FINISHES TO BE REMOVED AND WALLS STRIPPED BACK TO STUDS. STRUCTURE TO BE REVIEWED FOR DECAY AND DAMAGE AND CORRECTIVE MEASURES TAKEN.
20. ALL TOILET PARTITIONS, VANITY, WASHROOM ACCESSORIES, FIXTURES AND FITTINGS TO BE REMOVED.
21. EXISTING FLOOR TILE AND 4" TILE BASE TO BE REMOVED.
22. ALL CEILINGS, BULKHEADS AND HATCHES TO BE REMOVED.
23. ALL INTERIOR LIGHTING AND BRANCH WIRING TO BE REMOVED.
24. ALL EXTERIOR LIGHTING AND BRANCH WIRING TO BE REMOVED.

LEGEND

- EXISTING WALLS TO BE REMOVED
- EXISTING ROOF TO BE REMOVED
- EXISTING FIXTURES TO BE REMOVED
- SKYLIGHT TO BE REMOVED
- ACCESSORY TO BE REMOVED
- DOOR TO BE REMOVED
- SITE ITEMS



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project project

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CALEDONIA, NOVA SCOTIA

drawing dessin

DEMOLITION PLAN
AND NOTES

designed SNM coney

date 04/15/2015

drawn SMN dessine

date 04/15/2015

approved approve

date

Tender Soumission

PWGSC Project Manager Administrateur de projets TPWGC

project number no. du projet

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A-200

GENERAL NOTES

1. COMPLY WITH NATIONAL BUILDING CODE OF CANADA (2010), LOCAL BY LAWS, CANADIAN CONSTRUCTION SAFETY CODE AND REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASES OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
2. CODES REFERENCED IN THESE DRAWING NOTES SHALL BE LATEST EDITION INCLUDING ALL REVISIONS.
3. GENERAL CONTRACTOR IS TO PROVIDE A CONSTRUCTION SCHEDULE TO THE DEPARTMENT REPRESENTATIVE FOR APPROVAL AND COORDINATION.
4. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
5. THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS, VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DEPARTMENT'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
6. CO-ORDINATE WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL FOR DEPRESSIONS, OPENINGS, INSERTS, AND ITEMS TO BE BUILT-IN.
6. SUBSTITUTION FROM SPECIFIED PRODUCTS AND MATERIALS MUST BE APPROVED BY THE CONTRACT ADMINISTRATOR AND/OR OWNER'S REPRESENTATIVE.
7. PROVIDE SHOP DRAWINGS FOR APPROVAL TO THE CONTRACT ADMINISTRATOR AND/OR DEPARTMENT'S REPRESENTATIVE FOR ALL MANUFACTURED ITEMS AND SYSTEMS. ANTICIPATE TURN AROUND IN (MAX. OF)10 BUSINESS DAYS. DIGITAL SUBMISSIONS WILL BE ACCEPTED.
8. PROVIDE SAMPLES OF ALL FINISH MATERIALS AND PAINT COLOURS PRIOR TO INSTALLATION/APPLICATION FOR APPROVAL BY DEPARTMENT REPRESENTATIVE.
9. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND COOPERATION BETWEEN ITS FORCES AND THE FORCES OF ALL SUB-CONTRACTORS.
10. GENERAL CONTRACTOR TO ENSURE THE PROPER OPERATION OF ALL INSTALLED COMPONENTS AND ADJUST THEM IF NECESSARY PRIOR TO TURN OVER TO OWNER.
11. DIMENSIONS ARE FROM EXISTING DRAWING DOCUMENTATION PROVIDED BY CLIENT. DIMENSIONS SHOULD BE CHECKED BY CONTRACTOR DURING BIDDING AND PRIOR TO CONSTRUCTION.

WALL TYPES

W1 - EXISTING WALL
EXISTING 19 X 140mm VERTICAL WOOD SIDING WITH SOLID STAIN FINISH ASPHALT BUILDING PAPER, TYPICAL
SHEATHING (UNKNOWN)
38 X 140mm WOOD STUD FRAMED WALLS @ 400mm O.C.
16mm PLYWOOD ON INSIDE FACE (TO BE REMOVED)

W2 - NEW WALL 2235mm
19 X 140mm VERTICAL SIDING WITH SOLID STAIN FINISH & COORDINATING TRIM
RAINSCREEN SYSTEM CONSTRUCTED OF POLYOLEFIN SHEETS
BUILDING WRAP - 12 m TYPICAL
140mm CONCRETE BLOCK WALL (TOP OF BLOCK 2235mm)

W3 - EXISTING BLOCK WALL
EXISTING 190mm UNFINISHED CONCRETE BLOCK WALL
REPOINT AND REPAIR WHERE CRACKING AND SPALLING HAS OCCURED.
SURFACE BONDING CEMENT ON NEW AND EXISTING CONCRETE BLOCK - COLORED ALKALI RESISTANT FIBREGLASS REINFORCED PORTLAND CEMENT BASED SURFACE BONDING CEMENT, TROWEL APPLIED

W4 - NEW NON-STRUCTURAL BLOCK WALL 2032mm HIGH
19 X 140mm VERTICAL SIDING WITH SOLID STAIN FINISH & COORDINATING TRIM
RAINSCREEN SYSTEM CONSTRUCTED OF POLYOLEFIN SHEETS
BUILDING WRAP - 12 m TYPICAL
140mm CONCRETE BLOCK WALL (TOP OF BLOCK 2032mm)

W5 - EXTERIOR SCREEN
WOOD SCREEN CONSTRUCTED AS PER DETAILED SECTION WITH SOLID STAIN FINISH & COORDINATING TRIM

W6 - FREE STANDING POST
19 X 190mm OR AS REQUIRED VERTICAL SIDING TRIM
140 X 140mm PRESSURE TREATED POST

W7 - GABLE WALL
19 X 140mm VERTICAL SIDING WITH SOLID STAIN FINISH
RAINSCREEN SYSTEM CONSTRUCTED OF POLYOLEFIN SHEETS
BUILDING WRAP - 12 m TYPICAL
16mm EXTERIOR GRADE PLYWOOD
38 X 140mm STUDS @ 400mm O.C., EXPOSED, PAINTED

FINISHES NOTES & TYPES

F0 - EXISTING STUD WALLS WITH TILE
UPON REMOVAL OF ALL EXISTING FINISHES, EXISTING WOOD STUD WALLS TO RECEIVE ONE LAYER 12mm TILE BACKER BOARD AND FULL HEIGHT CERAMIC WALL TILE AND TILE BASE. TILE TO BE WALL TO WALL OR TERMINATED AT AN ALUMINIUM TRANSITION STRIP, 4.7mm THICK, 316X 294mm SHEETS, PENNY ROUND PORCELAIN MOSAIC

F1 - NEW PAINT FINISH ON EXISTING WOOD STUD WALL
NEW WOOD GRAIN T&G WOOD ON WOOD STUDS, FULL HEIGHT, PAINTED

F2 - NEW BLOCK WALLS WITH WALL TILE
NEW WALL TILE AND TILE BASE COORDINATED WITH FLOOR TILE. SEE DRAWINGS FOR DETAILS.

F3 - EXISTING BLOCK WALL
EXISTING PREVIOUSLY PAINTED CONCRETE BLOCK WALL. RE-POINT AND REPAIR WHERE REQUIRED TO LIKE NEW CONDITION. PRIME AND PAINT AS NOTED.

F4 - WOOD FINISH ON BLOCK WALLS
19 X 140mm T&G WOOD, PAINTED
ON 19 X 65mm STRAPPING ON BLOCK WALL.

F5 - WOOD FINISH ON EXPOSED WOOD
PAINT APPLIED TO ALL EXPOSED SURFACES IN ALL CEILING SPACES

FF1 - NEW TILE FLOOR
NEW WOOD GRAIN PORCELAIN FLOOR TILE, 146 X 908mm, 10-12mm THICK TILE WITH COORDINATING 146mm BULL NOSE BASE.

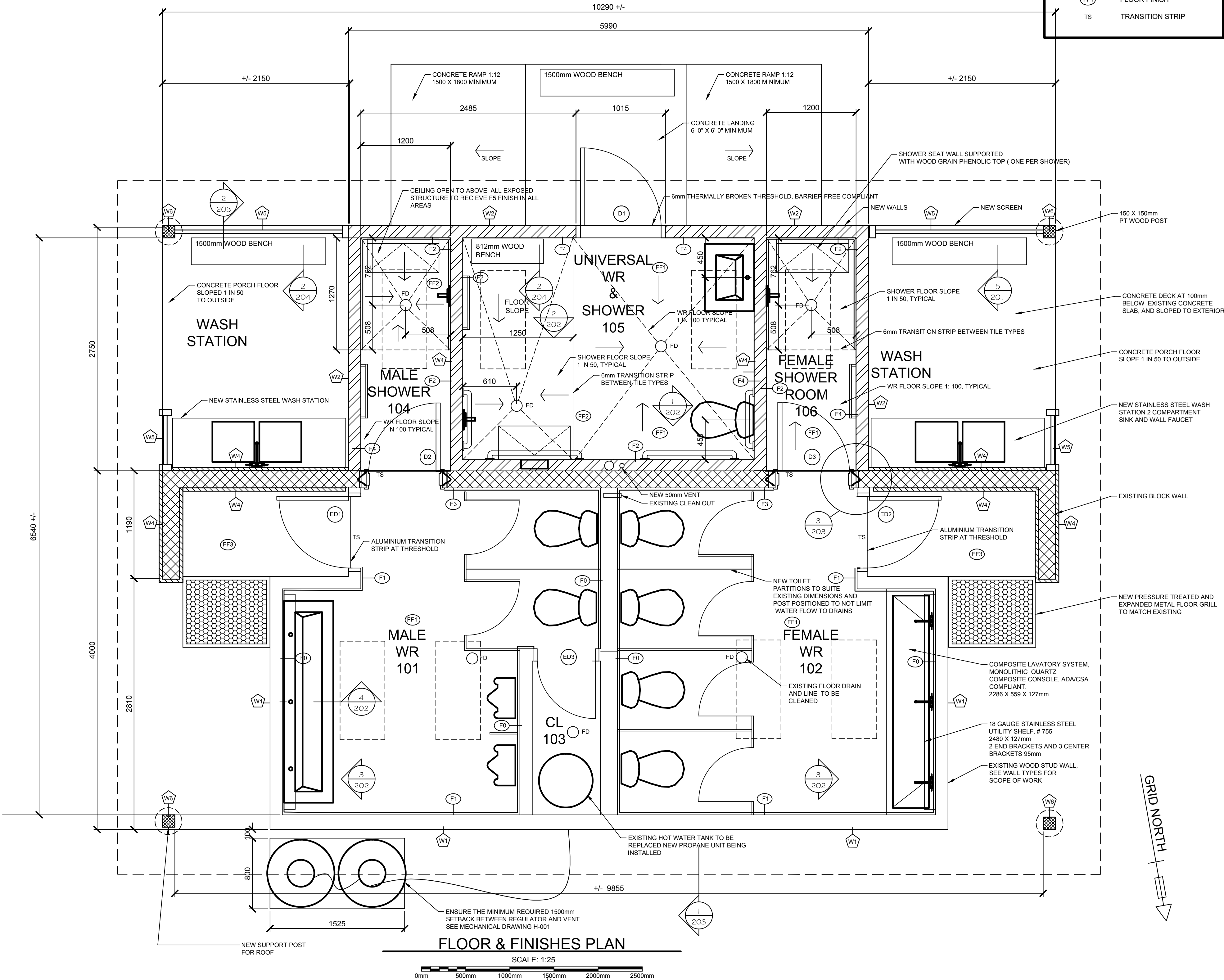
FF2 - NEW TILE FLOOR
NEW MOSAIC FLOOR TILE, 25mm SQUARE, SHEETS 302 X 607mm, STANDARD 3mm GROUT LINE, NON-STAINING EPOXY GROUT TO BE USED IN COORDINATING COLOR AS SELECTED FROM MANUFACTURERS FULL RANGE.

FF3 - EXPOSED CONCRETE FLOOR INTERIOR / EXTERIOR
EXISTING UNFINISHED FLOOR TO BE CLEANED AND A NEW EPOXY PAINT FINISH APPLIED TO MEET MANUFACTURERS RECOMMENDATIONS FOR THIS APPLICATION.

ALL SHOWER FLOORS TO BE INSTALLED OVER WATERPROOF MEMBRANE. ALL TILE MUST BE SUITABLE FOR APPLICATION IN FREEZING CLIMATES AND BE INSTALLED TO SUIT MANUFACTURER'S INSTRUCTION. TWO YEAR WARRANTY TO BE PROVIDED ON LABOUR AND MATERIALS.

FOR ALL ADDITIONAL INFORMATION REFER TO SPECIFICATIONS.

| LEGEND | |
|--------|-------------------------|
| | EXISTING BLOCK WALLS |
| | EXISTING WOOD STUD WALL |
| | EXISTING TO BE REMOVED |
| | NEW BLOCK WALLS |
| | ROOF LINE ABOVE |
| | SKYLIGHT ABOVE |
| | FLOOR TRANSITION |
| | SERVICES BELOW |
| | NEW WALL FINISHES |
| | NEW DOOR |
| | EXISTING DOOR |
| | WALL FINISH |
| | FLOOR FINISH |
| | TRANSITION STRIP |



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| project | project |
| JEREMY'S BAY WASHROOM RENOVATIONS 1221 CHARLES LOOP ROAD KEJIMIKUJIK NATIONAL PARK CALEDONIA, NOVA SCOTIA | |

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|-----------------------|---------------------------------|
| drawing | dessin |
| PROPOSED FLOOR PLAN | |
| designed | SNM / TM |
| date | 04/15/2015 |
| drawn | SNM / TM |
| date | 05/20/2015 |
| approved | approve |
| date | |
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project

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CALEDONIA, NOVA SCOTIA

project

drawing

dessin

PROPOSED EAST ELEVATION AND DETAILS

designed

SNM / TM

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date

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drawn

SNM / TM

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date

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approuvé

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Soumission

PWGSC Project Manager

Administrateur de projets TPWSC

project number

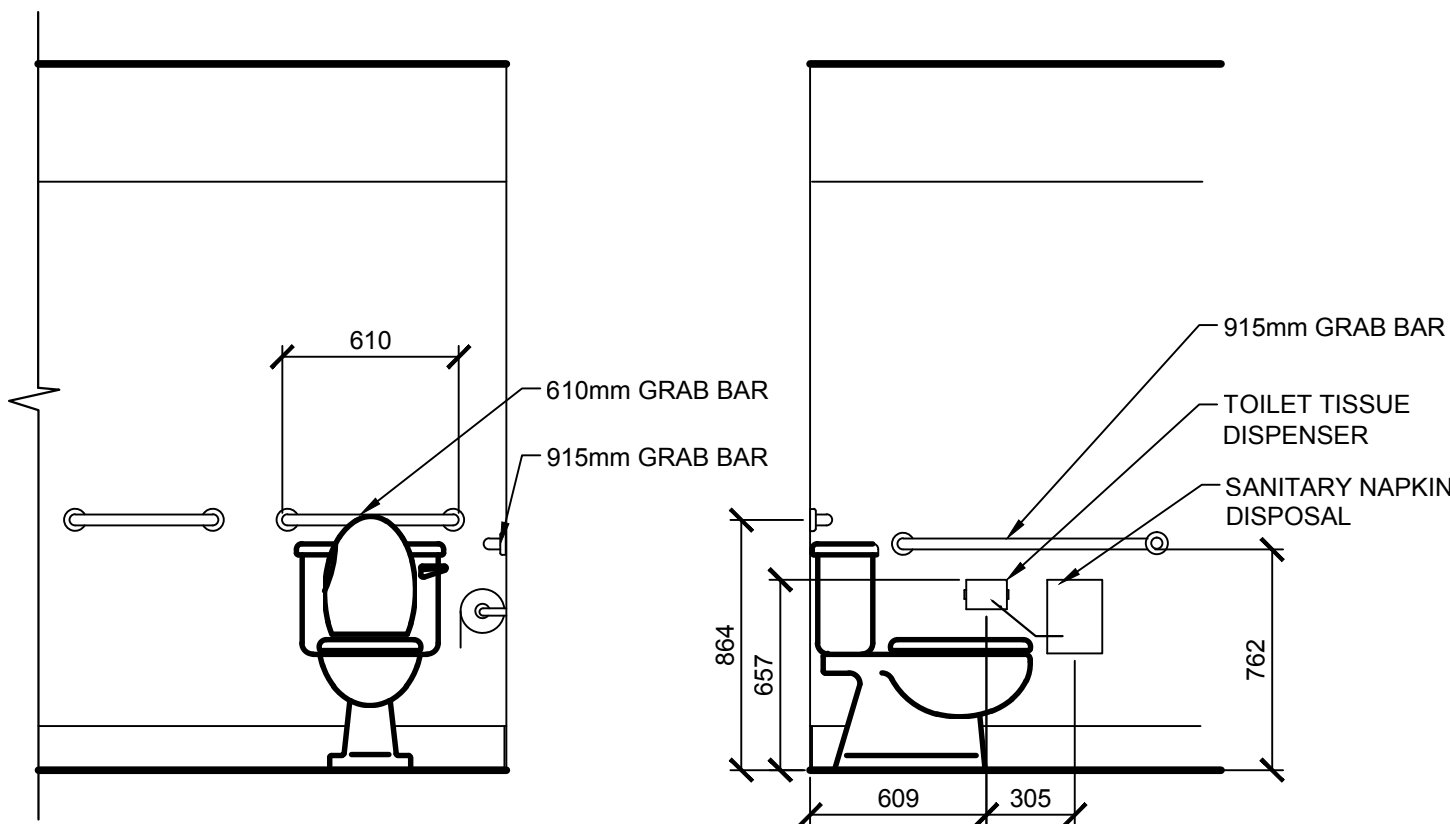
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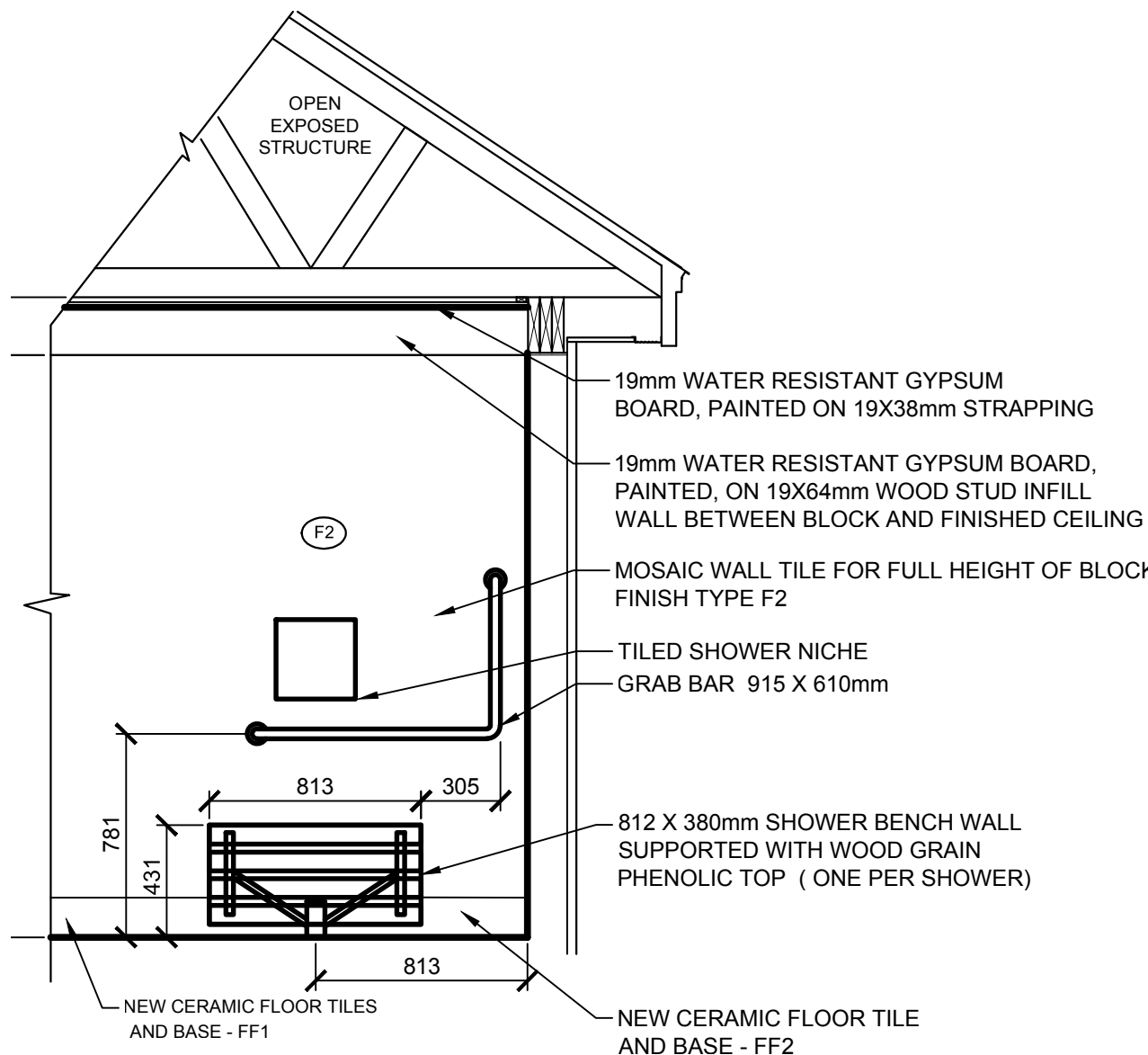
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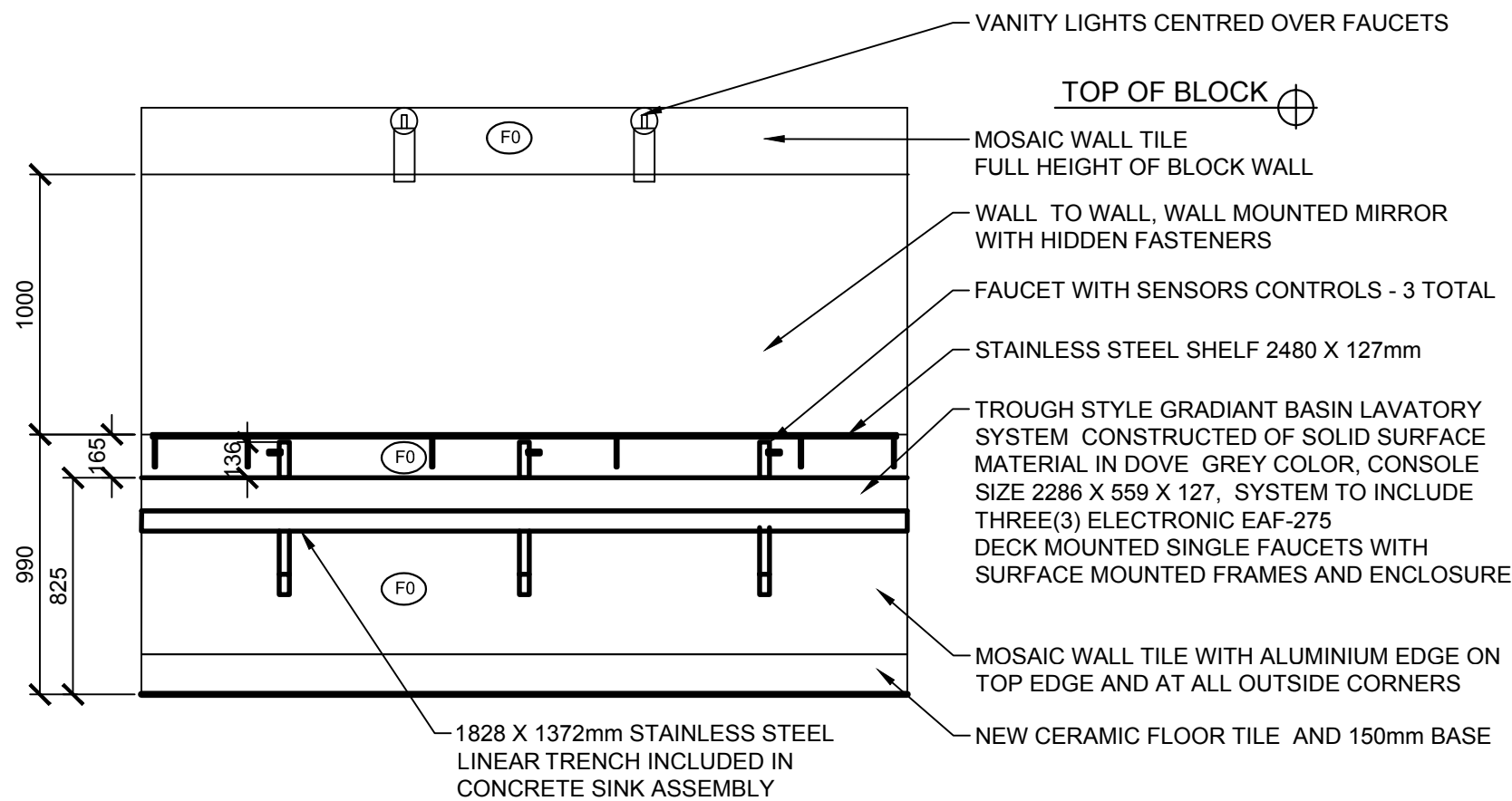
A-202



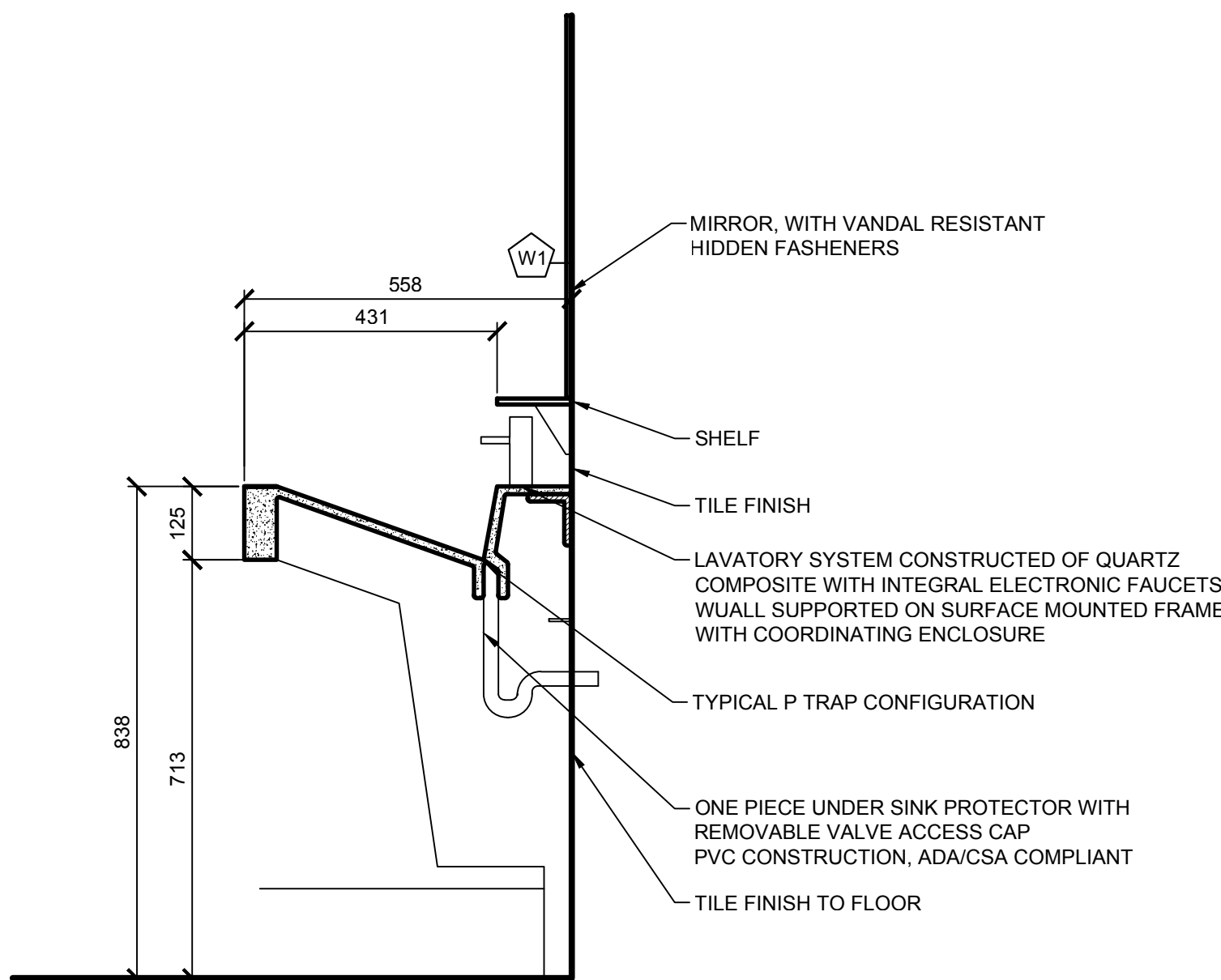
1
202
TYPICAL BARRIER FREE ACCESSORIES
SCALE : 1: 25



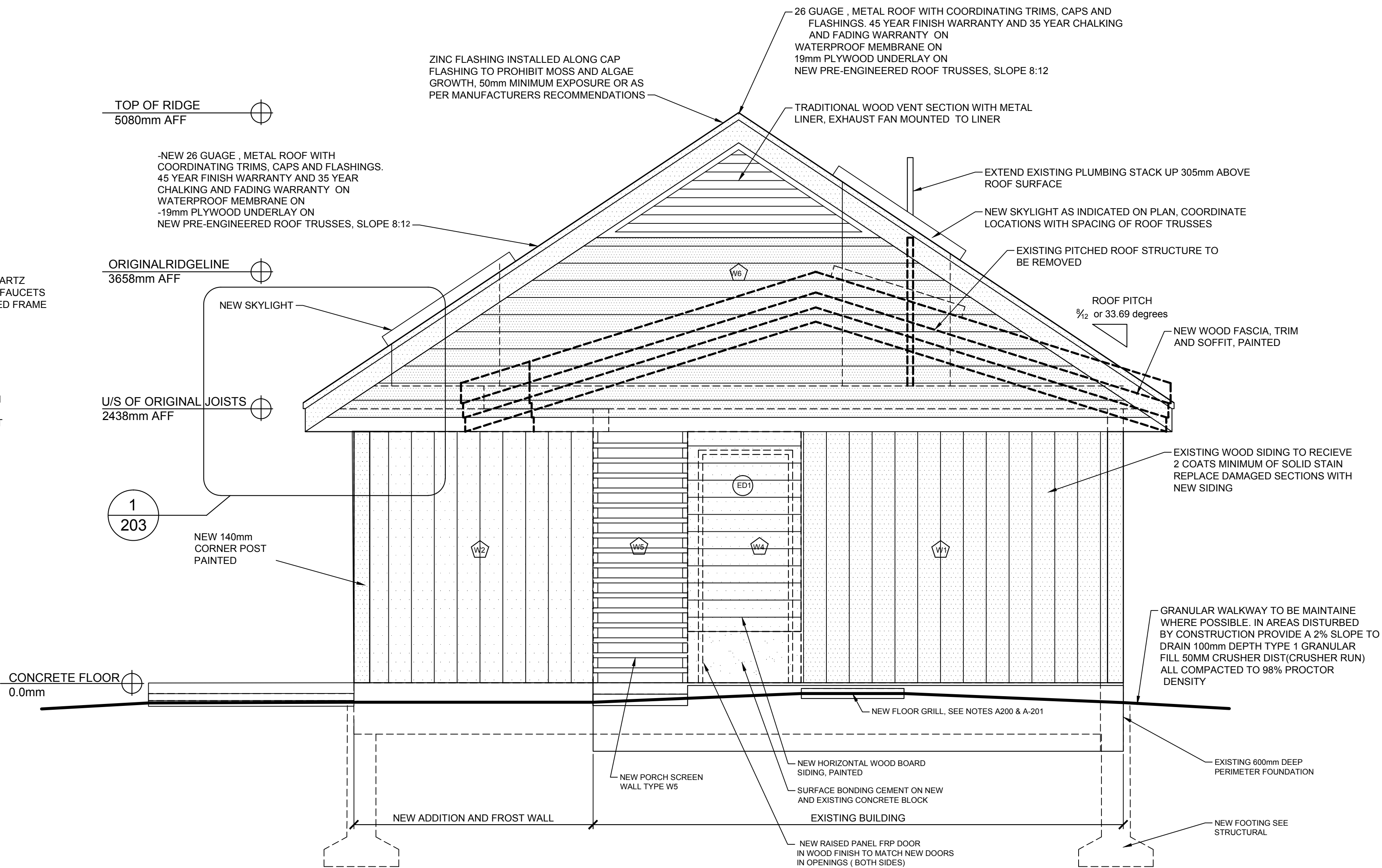
2
202
SHOWER FIXTURES
SCALE : 1: 25



3
202
VANITY ELEVATION
SCALE : 1: 25



4
202
SECTION THRU SINK
SCALE : 1: 10



EAST ELEVATION

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm



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project

drawing

dessin

PROPOSED
NORTH ELEVATION
AND DETAILS

designed

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PWGSC Project Manager

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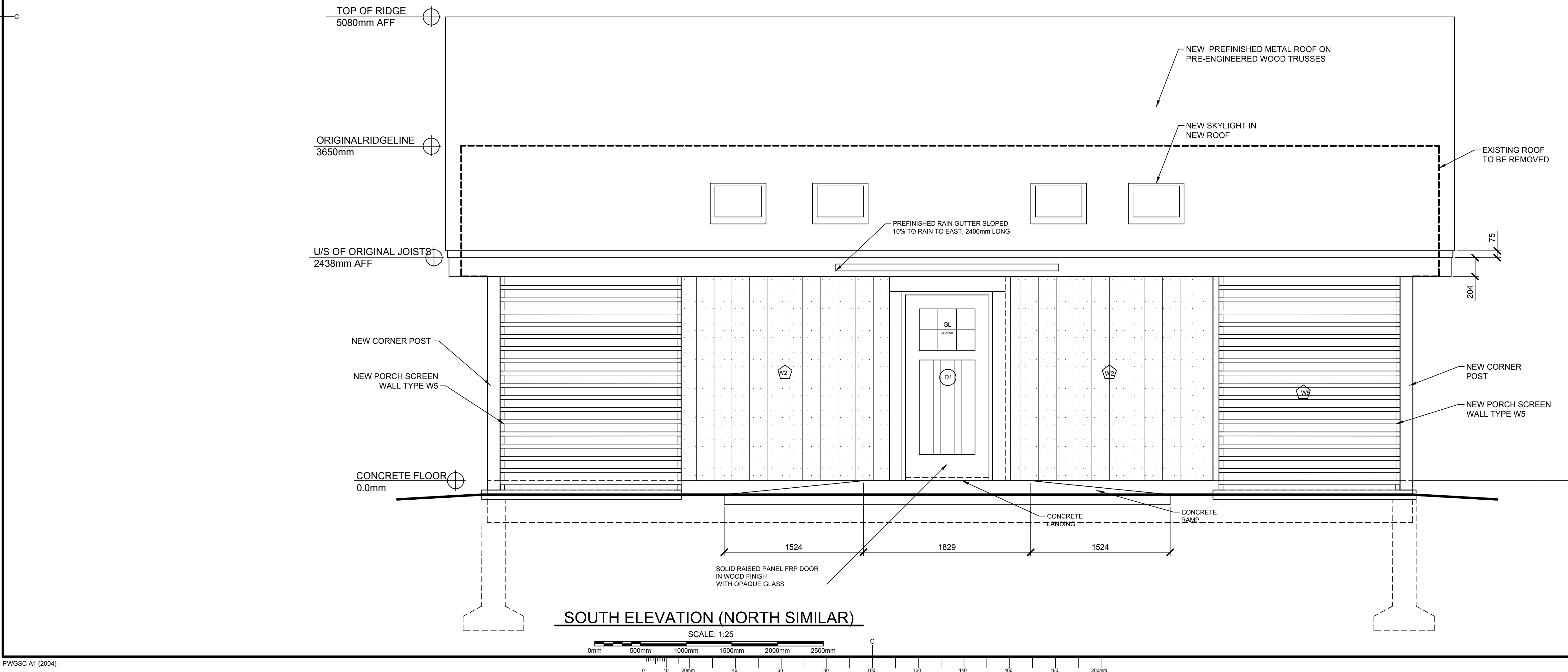
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drawing no.

no. du dessin

A-203



SOUTH ELEVATION (NORTH SIMILAR)

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

0 10 20mm 40 60 80 100 120 140 160 180 200mm

1 TYPICAL SOFFIT SECTION
SCALE : 1: 10

2 SCREEN SECTION
SCALE : 1: 10

3 SCREEN SECTION
SCALE : 1: 10



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drawing

dessin

ROOF PLAN AND DETAILS

designed

SNM / TM

conçu

date

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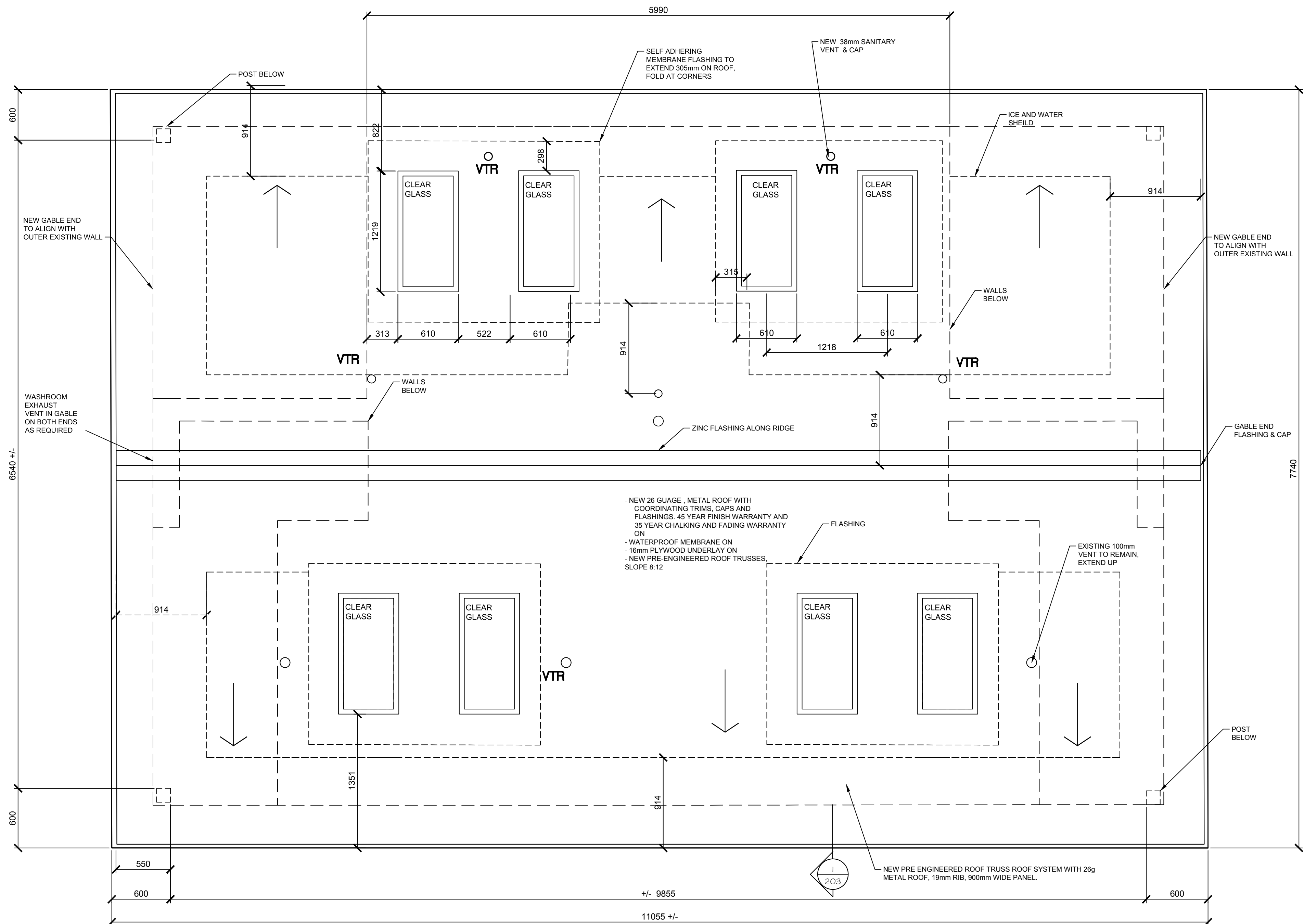
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no. du dessin

A-204



ROOF PLAN

SCALE: 1:25



38 X 38mm PRESSURE
TREATED LUMBER

38 X 76mm PRESSURE TREATED
UNIFORM SPACERS AT END

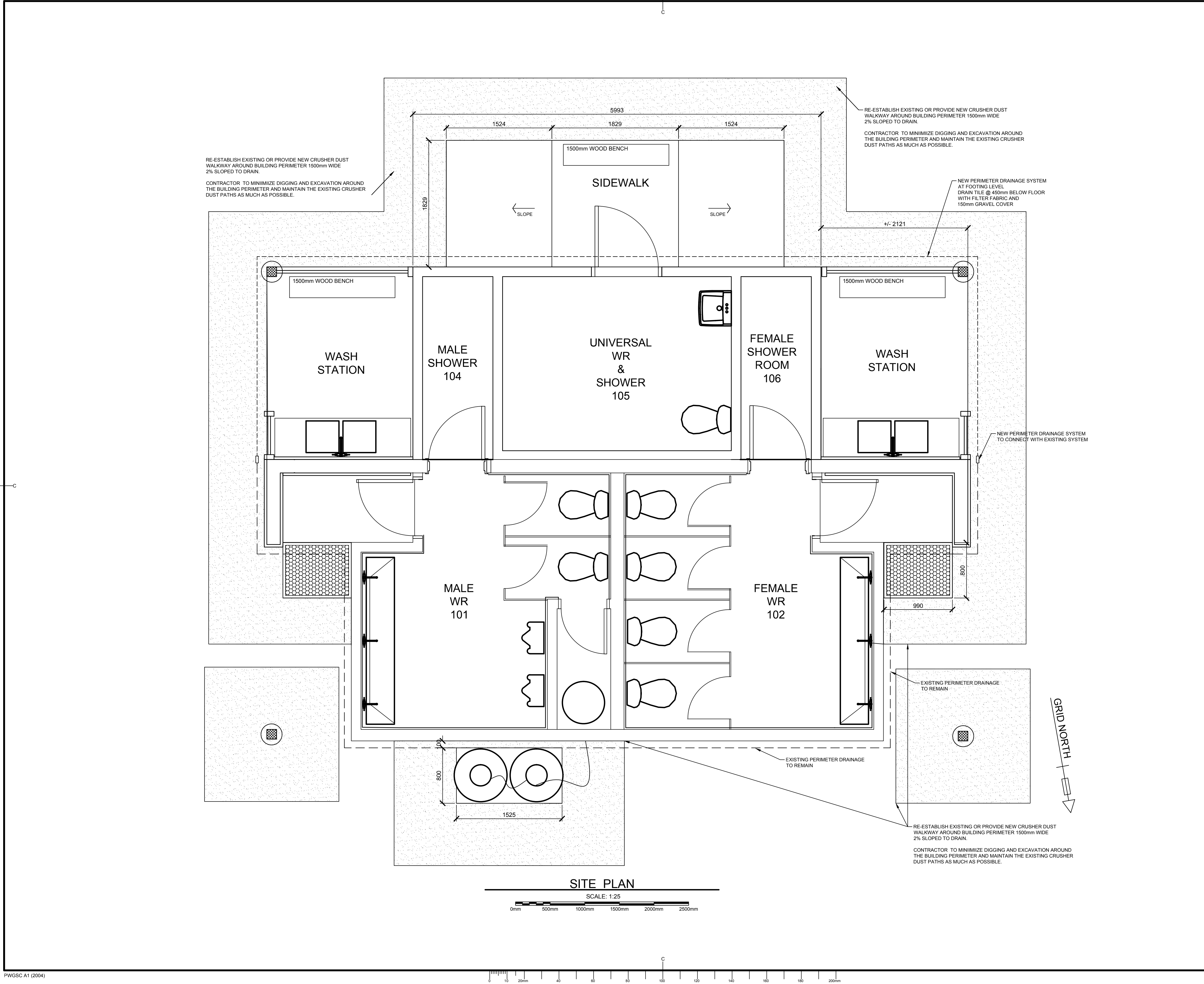
380 X 1550mm WOOD BENCH SEAT


PAINTED TO MATCH WOOD TRIM

BENCH SECURED
TO CONCRETE DECK
IN INSIDE FACE OF LEG


2
204

BENCH SECTION
SCALE : 1: 10






Public Works and
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Canada

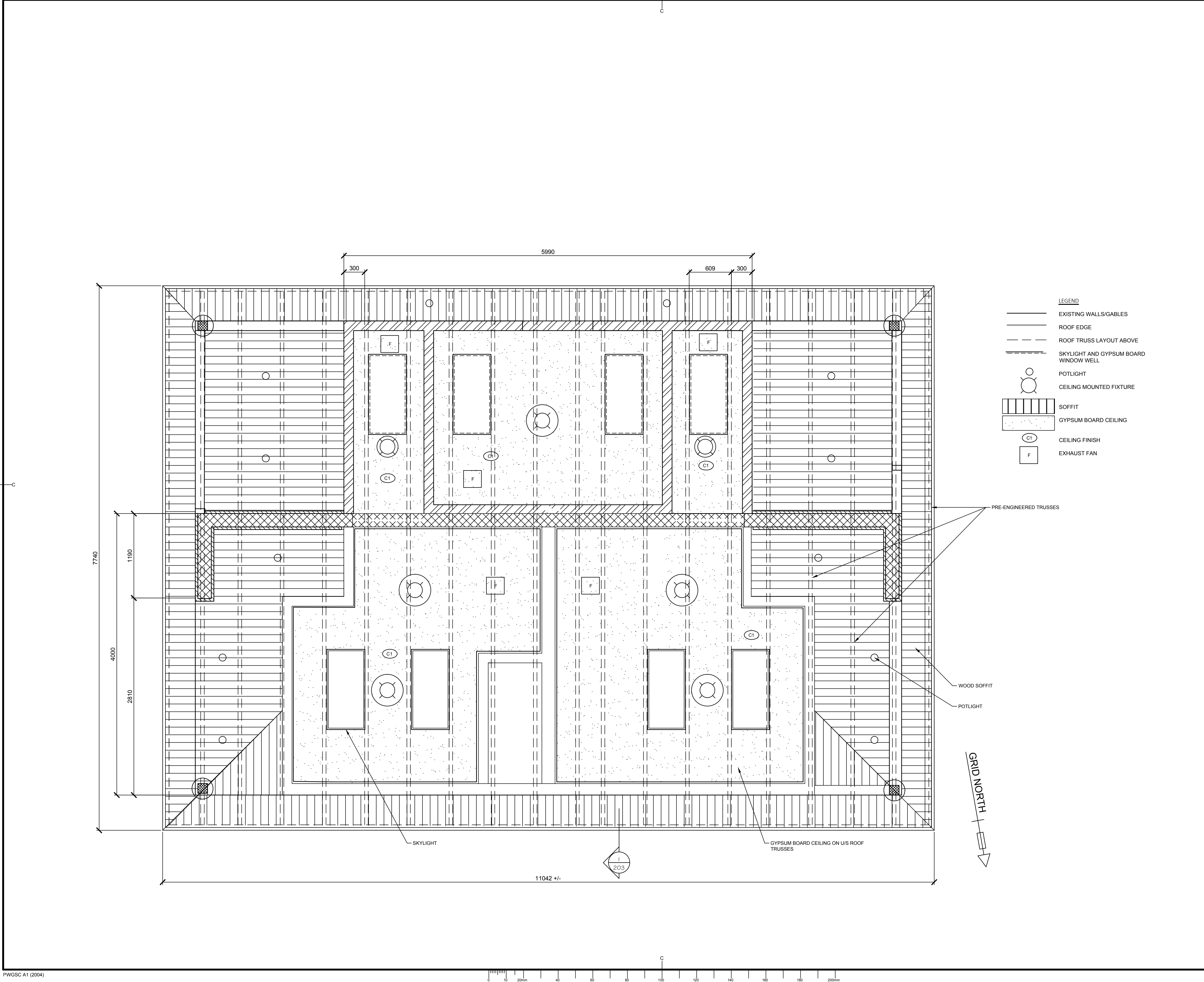



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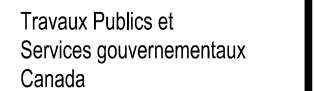
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| date | 11/28/2015 | |
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CALEDONIA, NOVA SCOTIA

project

drawing

REFLECTED CEILING PLAN
AND
ROOF FRAMING LAYOUT

dessin

| | | |
|----------|------------|----------|
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| date | | |

Tender

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PWGSC Project Manager

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no. du dessin

CONCRETE

ALL CONCRETE TO CAN5-A23.1-14
-28 DAYS STRENGTH 30 MPA (4350 PSI)
-SLUMP 50 TO 75
-AIR CONTENT 5% TO 7%
-DAMP CURE/FREEZE PROTECT MIN. 7 DAYS

REINFORCEMENT:

DEFORMED (CSA G30.18-09)
GRADE 400
MESH (CSA G30.5-M83)
CONCRETE COVER:
CAST AGAINST GROUND 75mm
CAST IN FORMS 50mm

CONCRETE BLOCK:

CSA A165.1-04
UNITS TYPE H/15AM, NOMINAL SIZE 140 X 190 X 390mm
MORTAR TYPE S TO CSA A179M-14 CEMENT GROUT 20 MPA (3000 PSI)

INSTALL 15M X 610mm DOWELS FOR CONCRETE BLOCK AND PROVIDE 15M @ 600 C/C VERTICAL REINF. IN ALL WALLS AND 2/15M EACH SIDE OF ALL WALL OPENINGS

PROVIDE KNOCK OUT BOND BEAM C/W 2/15M AT TOP AND MID HEIGHT OF ALL CB WALLS.

REINFORCE ALL CB WALLS WITH TRUSS TYPE HORIZONTAL BLOCK REINFORCEMENT EVERY SECOND COURSE AS FOLLOWS:

-140mm WALLS-STANDARD BLOK-TRUSS
ALL BLOK REINFORCEMENT TO BE GALVANIZED AFTER FABRICATION LAP 150mm MIN. EACH SPLICE

ALL MASONRY UNITS TO BE LAID WITH FULL HEAD, WEB AND BED JOINTS ALL JOINTS TO BE 12.5mm

LINTELS:

CB LINTELS (190mm DEEP KNOCK OUT BLOCK)
-UP TO 1220mm SPAN 2/15 M BTM

WOOD:

WOOD CONSTRUCTION TO CAN 086-09

SAWN LUMBER STRESSES TO CSA 086-09
-JOISTS AND STUDS S-P-F NO.1 / NO.2
-BOARDS AND STRAPPING S-P-F NO.3

PROVIDE TEMPORARY BRACING TO MAINTAIN PLUMB AND STABLE STRUCTURE UNTIL PERMANENT BRACING IS INSTALLED AND EFFECTIVE.

ROOF SHEATHING

-WOOD TRUSSES - 19mm T&G EXT. GRPLY G15

ROOF TRUSSES AND BRIDGING SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE PROVINCES OF NOVA SCOTIA TO THE FOLLOWING UNFACTORED LOADS

DEAD LOAD - TOP CHORD 0.5 KPa
- BTM CHORD 0.5 KPa

LIVE LOAD - AS REQUIRED BY NBC LATEST EDITION

SUBMITTALS

PROVIDE CUT SHEETS AS SHOP DRAWINGS FOR ALL UPLIFT ANCHORS, JOISTS AND BEAM HANGERS AND STRAP ANCHORS.

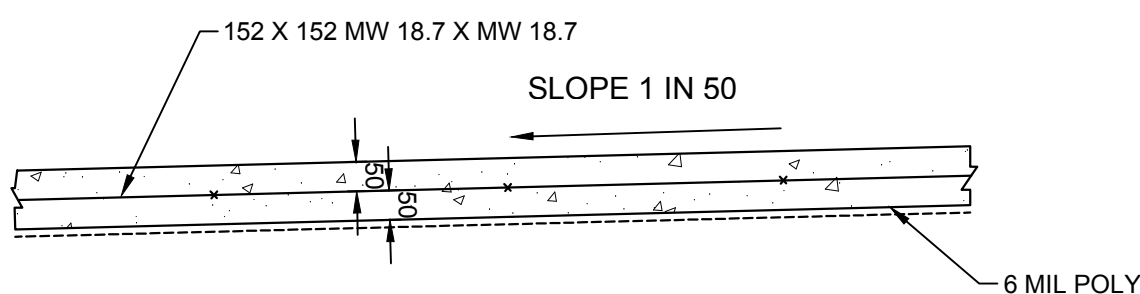
ALL EXPOSED CONNECTIONS SHALL BE GALVANIZED.

CONCRETE LANDING AND 2 RAMPS, SEE ARCHITECTURAL FOR LAYOUT

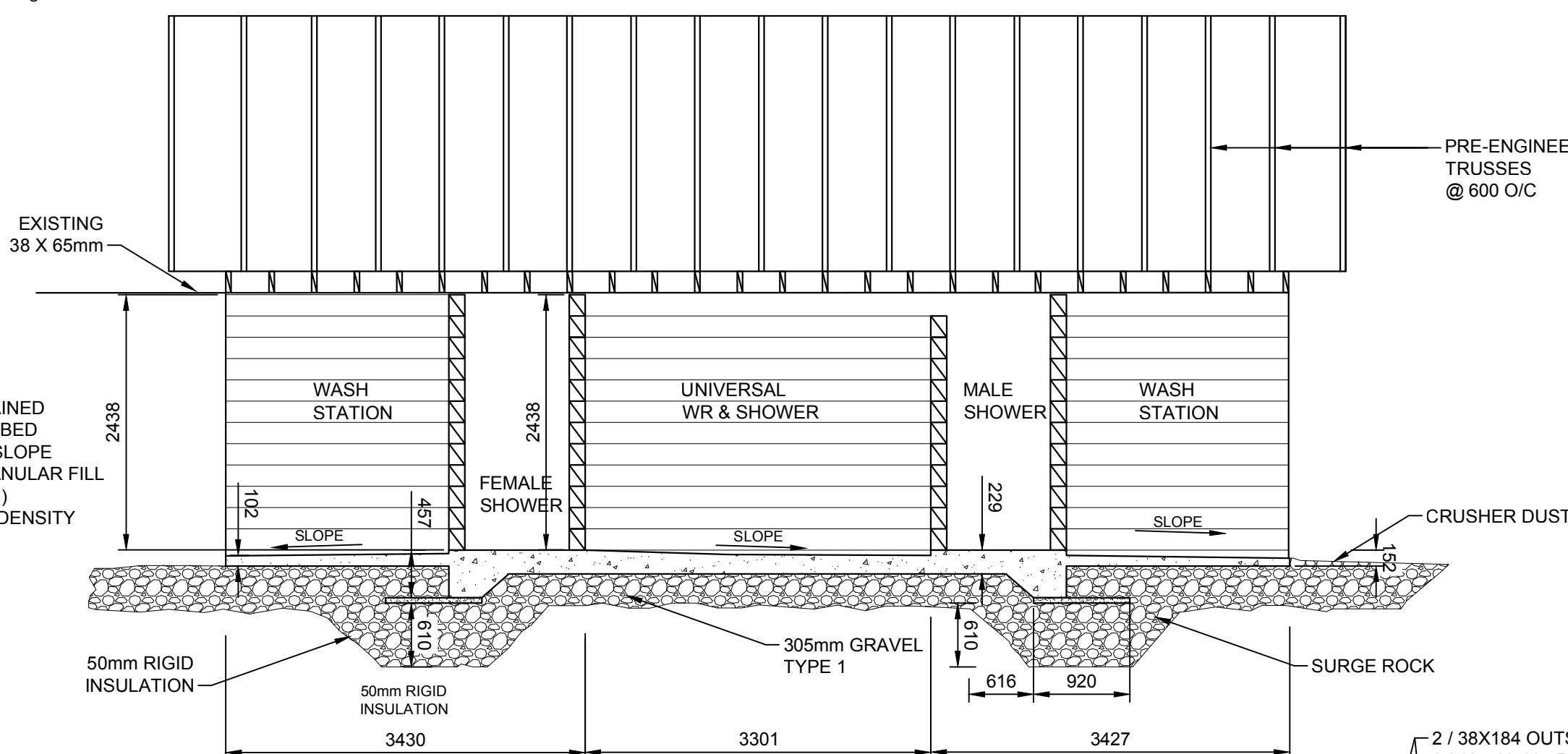
CRUSHER DUST

A SECTION
001 SCALE : 1: 50

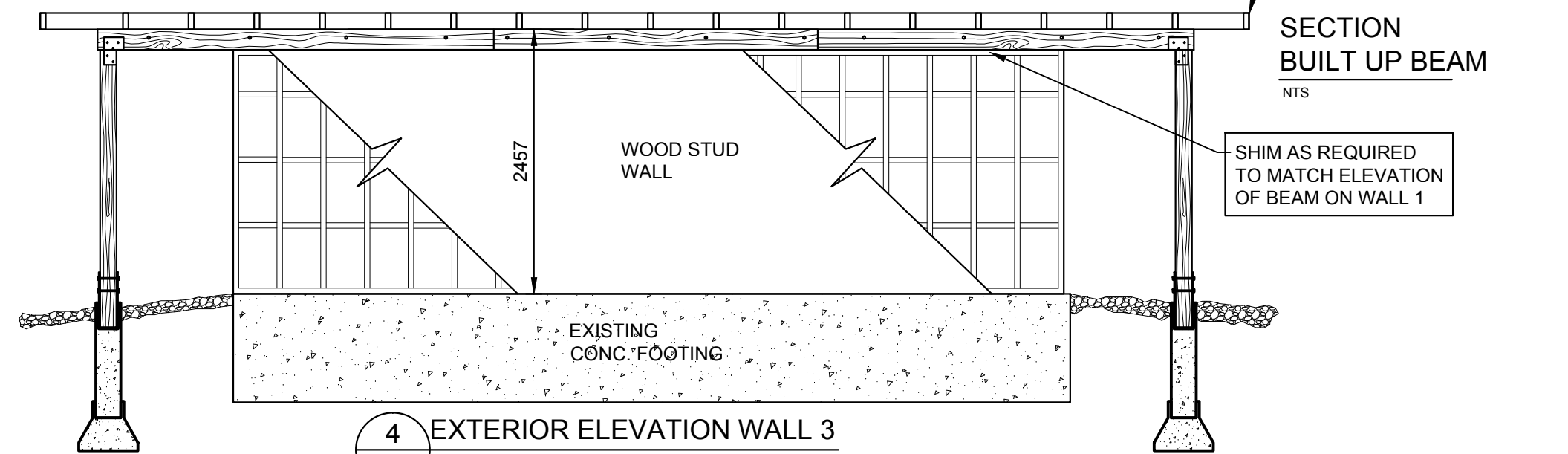
EXTERIOR ELEVATION WALL 1
SCALE : 1: 50



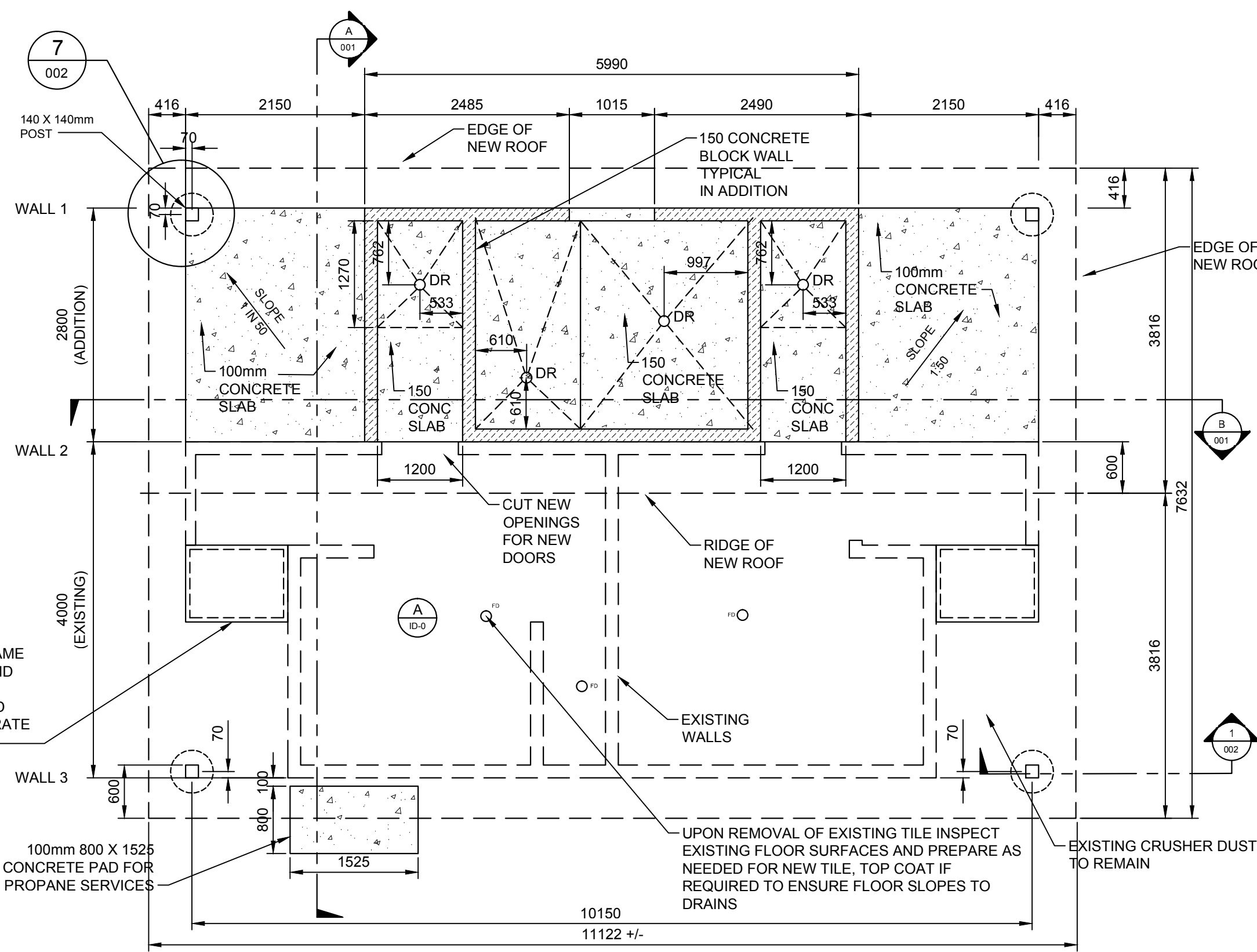
6 SLAB REINFORCEMENT DETAIL
001 SCALE : 1: 50



B SECTION
001 SCALE : 1: 50



4 EXTERIOR ELEVATION WALL 3
002 SCALE 1:50



STRUCTURAL PLAN
SCALE: 1:50



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| revisions | | date |

project
JEREMY'S BAY
REGISTRATION KIOSK
ENTRY ROAD RECONFIGURATION
KEJIMKUJIK NATIONAL PARK
CALEDONIA, NOVA SCOTIA

STRUCTURAL PLAN AND SECTIONS

| | | |
|-----------------------|---------------------------------|---------------|
| designed | WAW / JBY | conq |
| date | 05/20/2015 | |
| drawn | BJA | dessine |
| date | 05/20/2015 | |
| approved | | approuve |
| date | | |
| tender | | Soumission |
| PWGSC Project Manager | Administrateur de projets TPSGC | |
| project number | | no. du projet |
| | R.073402.001 | |
| drawing no. | | no. du dessin |
| | S-001 | |



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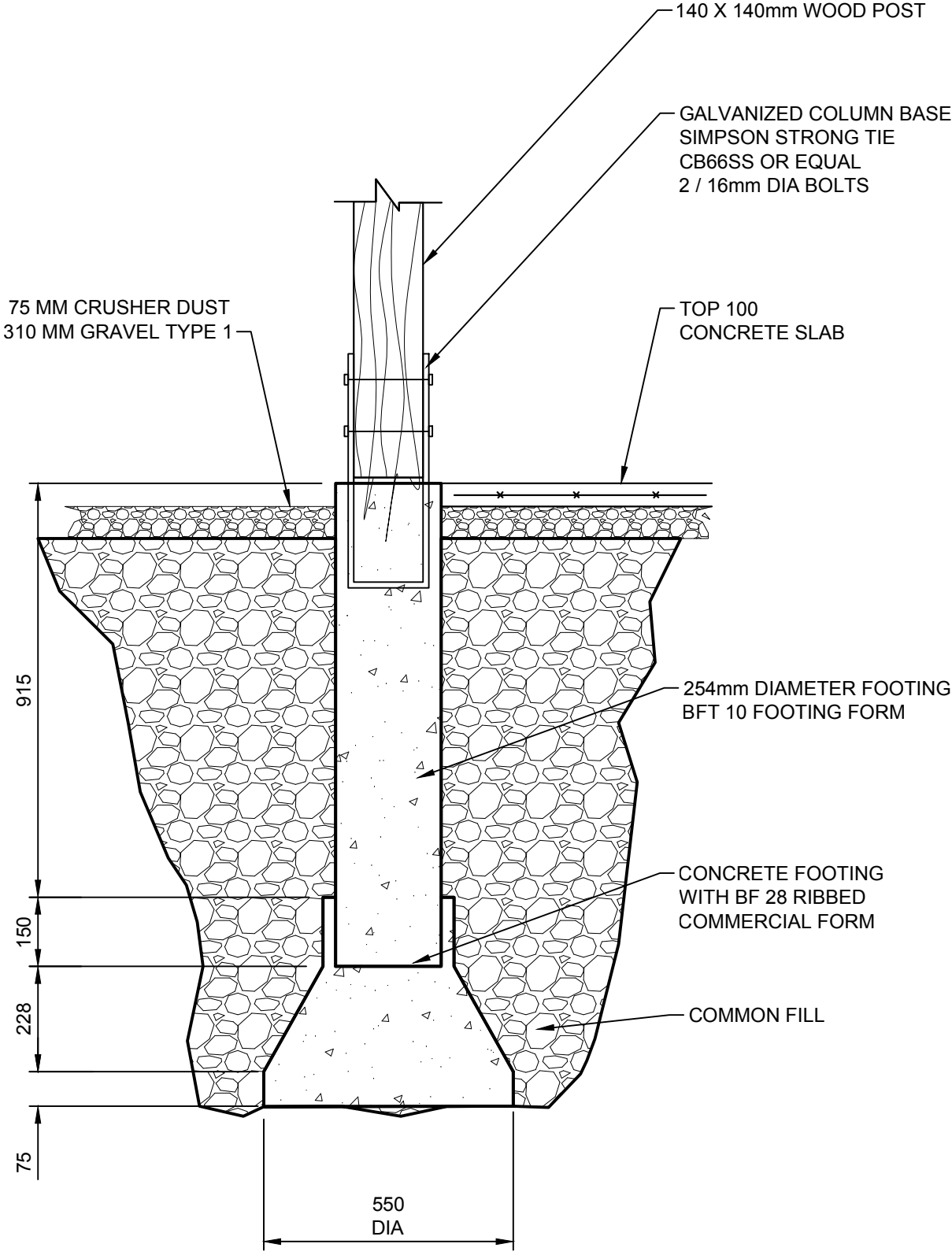
project project

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ENTRY ROAD RECONFIGURATION
KEJIMKUJIK NATIONAL PARK
CALEDONIA, NOVA SCOTIA

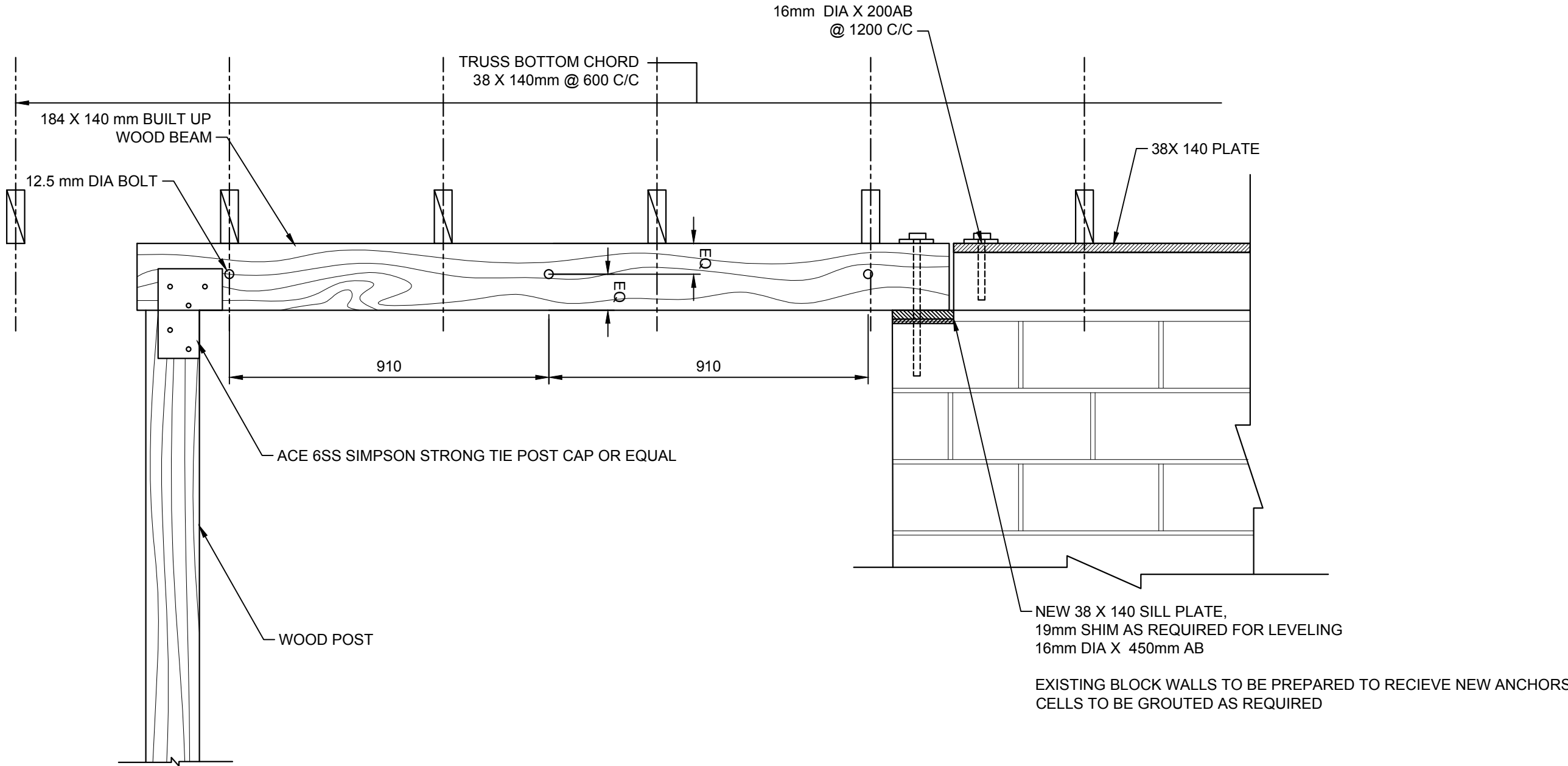
drawing dessin

STRUCTURAL DETAILS

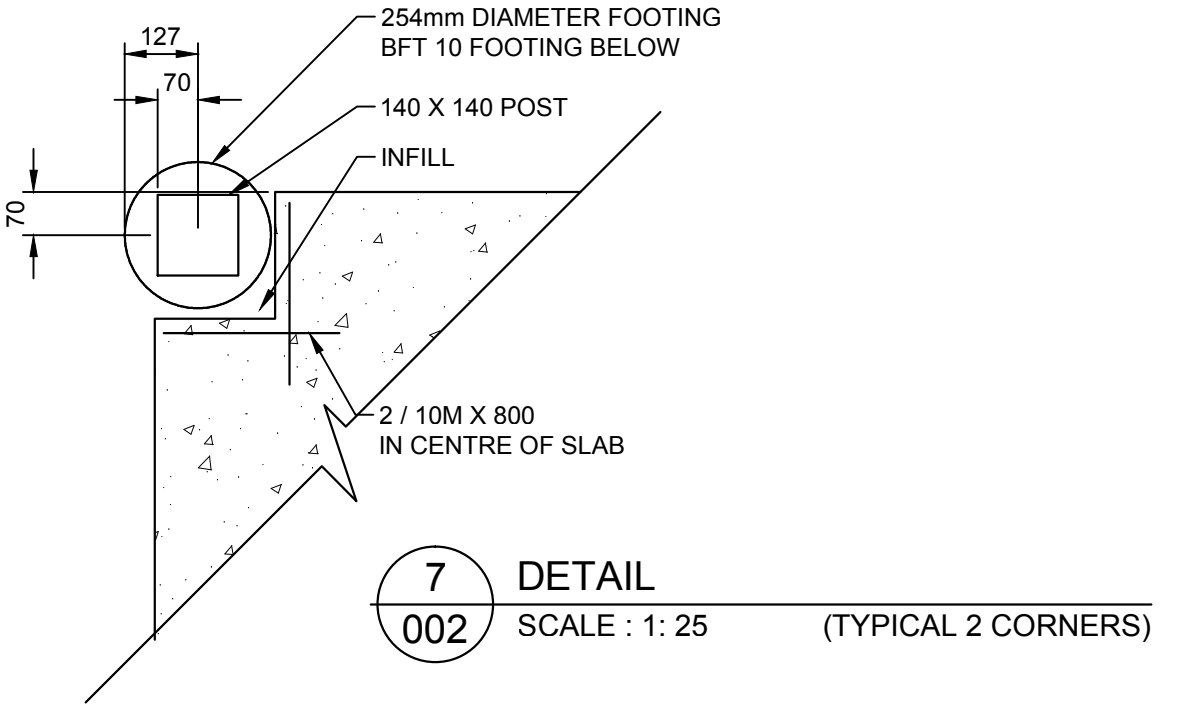
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| Tender | | Soumission |
| PWGC Project Manager | Administrateur de projets TPSCG | |
| project number | | no. du projet |
| | R.073402.001 | |
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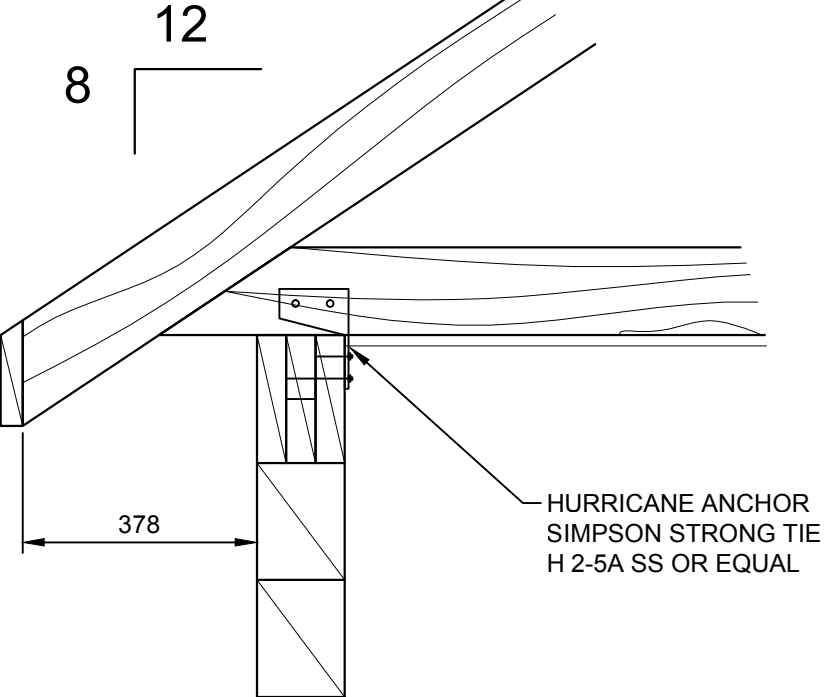
1 SECTION
002 SCALE : 1: 25



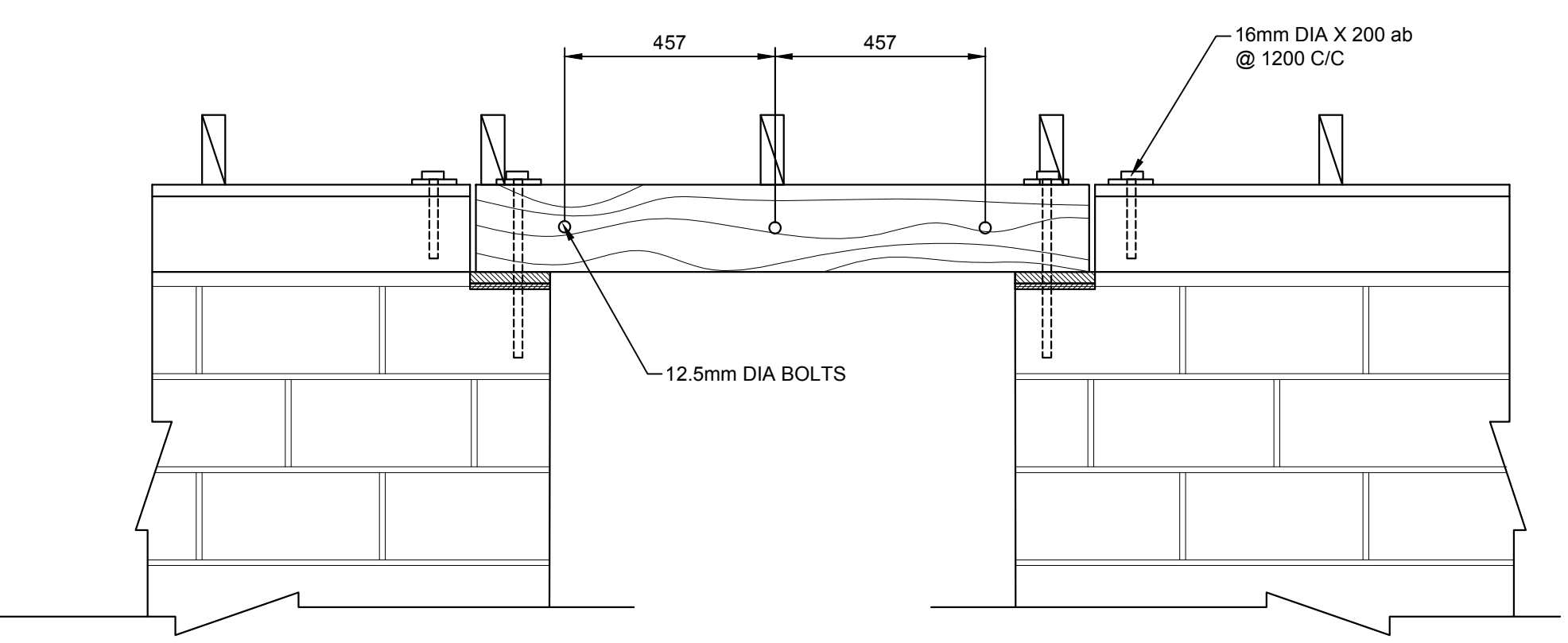
2 DETAIL
002 SCALE : 1: 25



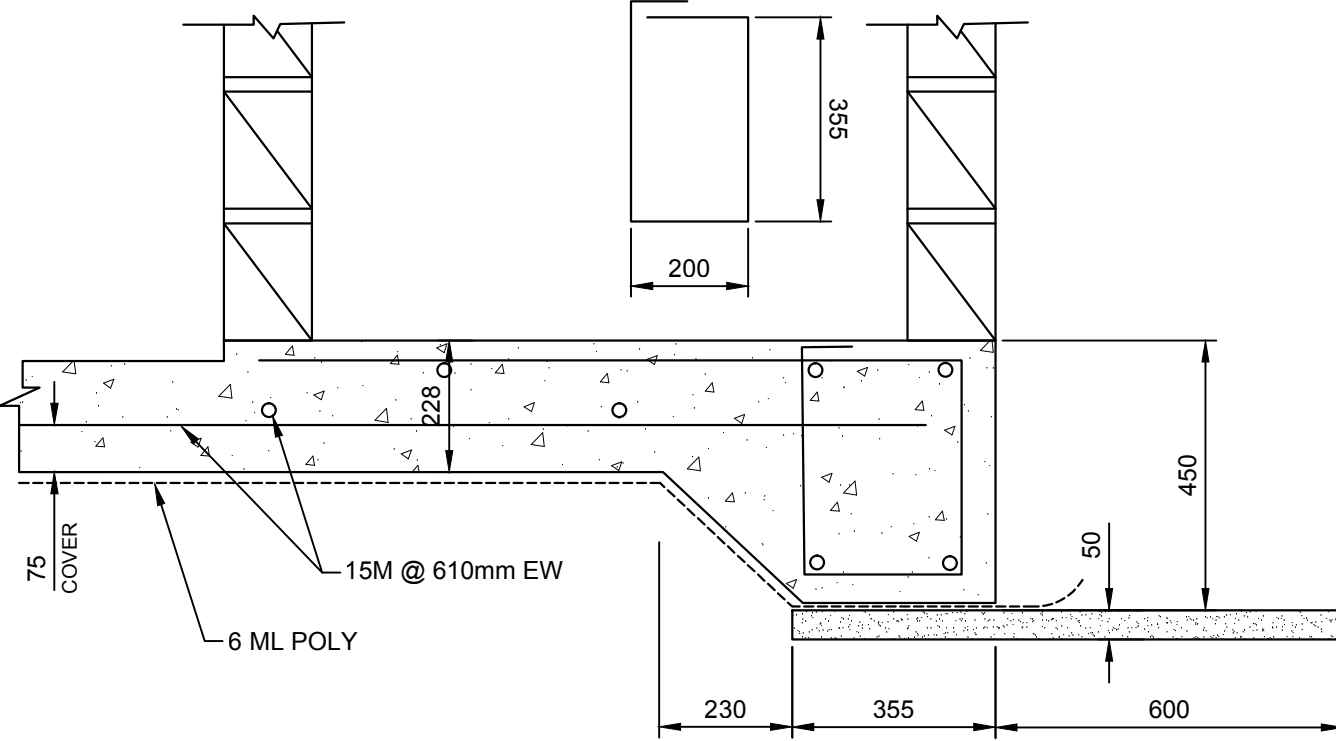
7 DETAIL
002 SCALE : 1: 25 (TYPICAL 2 CORNERS)



3 TRUSS SEAT DETAIL
002 SCALE : 1: 50



4 DETAIL
002 SCALE : 1: 25



5 SLAB EDGE REINFORCEMENT
002 SCALE : 1: 25 (TYPICAL 4 EDGES)

ELECTRICAL REQUIREMENTS

LIGHTING

1. CODES AND STANDARDS - ALL MATERIAL SHALL BE OF THE BEST QUALITY AND CSA AND ULC APPROVED FOR THEIR RESPECTIVE USE.
 2. LIGHT FIXTURES - AS INDICATED IN THE LIGHT FIXTURE SCHEDULE
 3. LAMPS - UPON COMPLETION PROVIDE A FULL SET OF BEST QUALITY LAMPS FOR ALL LIGHTING FIXTURES. ALL FLUORESCENT LAMPS SUPPLIED SHALL BE LISTED AND APPROVED UNDER THE EFFICIENCY NOVA SCOTIA PROGRAM.
 4. FLUORESCENT LAMPS SHALL BE SYLVANIA, GE OR PHILIPS, REDUCED MERCURY T8, 2959 INITIAL LUMENS, 24,000 HOURS RATED LIFE.
 5. LED LAMPS SHALL BE AS SPECIFIED
- WIRING DEVICES
1. CODES AND STANDARDS - ALL MATERIAL SHALL BE OF THE BEST QUALITY AND CSA AND ULC APPROVED FOR THEIR RESPECTIVE USE.
 2. SWITCHES - LINE VOLTAGE SWITCHES SHALL BE SPECIFICATION GRADE, TOGGLE TYPE, FLUSH MOUNTED, AND CSA APPROVED. SWITCH HANDLES AND COVERPLATES SHALL BE WHITE. ALL SWITCHES SHALL BE INSTALLED PLUMB, WITH SWITCH HANDLE IN UP POSITION. PIN TAIL BRANCH CIRCUITS CONDUCTORS SHALL BE USED FOR CONNECTION TO SWITCHES IN MULTI-GANG OUTLETS.
 3. OCCUPANCY/VACANCY SENSOR SWITCH - 180 DEGREE SENSOR FIELD OF VIEW, PASSIVE INFRARED FINE MOTION DETECTION, RANGE 10m X 10m, SINGLE POLE SWITCH WITH VACANCY ONLY SETTING. STANDARD OF ACCEPTANCE: MAESTRO BY LUTRON
 4. RECEPTACLES - STANDARD DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE, AC RATED 15 AMPERES AT 125 VOLT, U-GROUND, HAVING PARALLEL SLOTS WITH DOUBLE WIPING CONTACTS, GROUND TERMINAL, BREAK OFF FEATURES FOR SPLIT WIRING, BACK WIRING FEATURE, AND ONE PIECE BODY. RECEPTACLES SHALL BE WHITE, COVERPLATES WHITE LEXAN.
 5. ELECTRONIC TIMER SWITCH - 1200W 20V AC 60 MHZ SINGLE POLE DECORA 24 HOUR LCD PROGRAMMABLE 24 HOUR IN 30 MINUTE INTERVAL, ELECTRONIC, BY LEVITON OR EQUAL.

WIRE AND BOX CONNECTORS

1. CODES AND STANDARDS - ALL MATERIAL SHALL BE OF THE BEST QUALITY AND CSA AND ULC APPROVED FOR THEIR RESPECTIVE USE.
2. WIRE CONNECTIONS SHALL BE ELECTRICALLY AND MECHANICALLY SECURE. JOINTS REQUIRED IN BRANCH WIRING #10 AND SMALLER ARE TO BE MADE USING TWIST-ON-TYPE CONNECTOR MARRETTE #31, #33 OR #35 AS REQUIRED OR IDEAL COLOR CODED WIRENUT.
3. JOINTS FOR ALL OTHER WIRING SHALL BE MADE USING T&B COLOR KEYED COMPRESSION TYPE CONNECTORS, 54000 SERIES, AND TBM SERIES COMPRESSION TOOLS.

SUPPORTING DEVICES

1. CODES AND STANDARDS - ALL MATERIAL SHALL BE OF THE BEST QUALITY AND CSA AND ULC APPROVED FOR THEIR RESPECTIVE USE.
2. SUPPLY ALL THE NECESSARY INSERTS, RODS, CHANNELS, BRACKETS, ETC TO FORM A SUPPORT SYSTEM CAPABLE OF CARRYING AT LEAST TWICE THE WEIGHT OF THE EQUIPMENT SUPPORTED.
3. HANGER RODS SHALL BE 10mm DIAMETER STANDARD MILD STEEL, CUT TO REQUIRED LENGTHS AND THREADED.
4. FASTENING DEVICES FOR CABINET, BOXES, SUPPORTS ETC. SHALL BE NUT AND BOLT
5. FASTENING DEVICES FOR OUTLET BOXES SHALL BE NUT AND BOLT, RAIN SET, EXPANSION SHIELDS, WEDGE ANCHORS OR CADDY CLIPS, SIZE AND NUMBER TO SUIT APPLICATION OR AS DETAILED ON THE DRAWINGS.
6. SECURE ALL EQUIPMENT IN A MANNER SO AS NOT TO DISTORT OR CAUSE UNDUE STRESS ON ANY COMPONENTS.

APPROVED MANUFACTURERS ARE: HUBBELL, BRYANT, PASS & SEYMOUR AND LEVITON.

PANEL BOARDS

1. CODES AND STANDARDS - ALL MATERIAL SHALL BE OF THE BEST QUALITY AND CSA AND ULC APPROVED FOR THEIR RESPECTIVE USE.
2. PANEL BOARDS TO CSA C22.2 NO.29.
3. ALL PANEL BOARDS TO BE PRODUCT OF THE SAME MANUFACTURER AS OTHER SWITCH GEAR ON THE SITE/PROJECT.
4. ALL PANEL BOARD BUSES AND BREAKERS ARE TO BE RATED FOR 10,000A (SYMMETRICALLY) INTERRUPTING CAPACITY OR AS INDICATED.
5. PANEL BOARD MAINS, NUMBER OF CIRCUITS AND NUMBER AND SIZE OF BRANCH CIRCUIT BREAKERS AS INDICATED ON THE DRAWINGS. EACH PANELBOARD IS TO BE COMPLETE WITH TWO KEYS AND ALL PANELBOARDS ARE TO BE KEYS ALIKE.
6. ALL BUSSING SHALL BE ALUMINUM, TIN PLATED, WITH FULL CAPACITY NEUTRAL, WITH AN AMPERE RATING AS INDICATED.
7. ALL MAINS SHALL BE SUITABLE FOR BOLT ON BREAKERS.
8. ALL PANEL BOARD TRIMS AND DOOR FINISHES ARE TO BE BAKED GREY ENAMEL. ALL ENCLOSURES TO BE EMAC 1, SUITABLE FOR FLUSH OR SURFACE MOUNTING AS INDICATED.
9. ALL PANELBOARD TUBS TO BE A MINIMUM 14 GAUGE STEEL.
10. EQUIPMENT IDENTIFICATION SHALL INCLUDE NAMEPLATES ON ALL PANELS INDICATING PANEL NUMBER, VOLTAGE AND PHASE CHARACTERISTICS, AMPERAGE AND WHERE PANEL IS FED FROM.
11. PANEL TOP SHALL BE INSTALLED 1650mm ABOVE FLOOR

APPROVED MANUFACTURERS ARE: CUTTER-HAMMER, SIEMENS OR SQUARE D

ELECTRICAL NOTES

1. REMOVE INTERIOR CEILING MOUNTED LUMINAIRES AND ASSOCIATED ELECTRICAL SERVICE
2. REMOVE EXTERIOR WALL AND SOFFIT MOUNTED LUMINAIRES AND ASSOCIATED ELECTRICAL SERVICE.
3. REMOVE EXISTING LIGHTING CONTROLS AND INSTALL NEW MOTION SENSOR CONTROLS
4. REPLACE EXISTING RECEPTACLES AND COVERPLATES WITH NEW GFI RECEPTACLES.
5. CONNECT TO NEW GAS FIRED HOT WATER TANK. FEED FROM EXISTING BREAKER.
6. FEED NEW LIGHTING FROM SAME CIRCUIT AS EXISTING LIGHTING THAT IS INDICATED TO BE REMOVED.
7. REFER TO BUILDING CODES AND ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DIMENSIONS.
8. EQUIPMENT SHOWN AS DOTTED SHALL BE CONSIDERED EXISTING AND SHALL REMAIN AS NOTED.
9. EXISTING ELECTRICAL PANEL SCHEDULE TO BE UPDATED TO REFLECT NEW WORK.
10. REMOVE ALL REDUNDANT WIRING BACK TO SOURCE
11. EXISTING TIME CLOKKTIMER SHALL BE REWIRED TO CONTROL THE NEW DOMESTIC GAS FIRED HOT WATER HEATERS.
12. PROVIDE AND INSTALL 120 VOLT RECEPTACLES FOR THE DOMESTIC HOT WATER HEATERS. SPECIFIED UNITS ARE PLUG IN TYPE.
13. CONTRACTOR TO COORDINATE WITH THE PLUMBING CONTRACTOR REGARDING ALL NECESSARY POWER REQUIREMENTS FOR BOTH THE GAS FIRED DOMESTIC WATER HEATERS AND THE ELECTRONIC FAUCET SENSOR CONTROLS.
14. ELECTRONIC SENSORS REQUIRE 120 VOLT, 24 VOLT TRANSFORMER FOR UNITS PROVIDED BY THE PLUMBING CONTRACTOR WITH FAUCETS. WIRE AS REQUIRED.
15. REMOVE TELEPHONE AND REMOVE SERVICE FROM THE BUILDING
16. PROVIDE 1 ELECTRICAL RECEPTACLE AT EACH ELECTRONIC FAUCET, 120 VAC, 1 AMP SERVICE FOR EACH 6 VDC PLUG IN ADAPTER

LIGHTING FIXTURE SCHEDULE

TYPE 1 - PENDANT MOUNT, 14 WATT LED WAREHOUSE SHADE DOWNLIGHT, POWDER COATED CORROSION RESISTANT ALUMINUM SHADE WITH STAINLESS STEEL HARDWARE. CSA LISTED FOR DAMP LOCATION. 450mm DIAMETER, 305mm HIGH WITH WIRE GUARD. SHADE FINISH : GLASS WHITE. STANDARD OF ACCEPTANCE WS1812LEDGV14W BY SPECTRUM LIGHTING.

TYPE 2 - NAUTICAL WALL MOUNTED LIGHT, POWDER COATED CORROSION RESISTANT ALUMINUM SHADE WITH STAINLESS STEEL HARDWARE. CSA LISTED FOR DAMP LOCATION. FLUORESCENT 13 WATT, FROSTED GLASS ENCLOSURE, FINISH: GLOSS WHITE. #N10080EXFJ1CP106

TYPE 3 - PENDANT MOUNT, 14 WATT LED WAREHOUSE SHADE DOWNLIGHT, POWDER COATED CORROSION RESISTANT ALUMINUM SHADE WITH STAINLESS STEEL HARDWARE. CSA LISTED FOR DAMP LOCATION. 12" DIAMETER, 18" HIGH WITH WIRE GUARD. SHADE FINISH : GLASS WHITE. # WS1210LEDGV14W

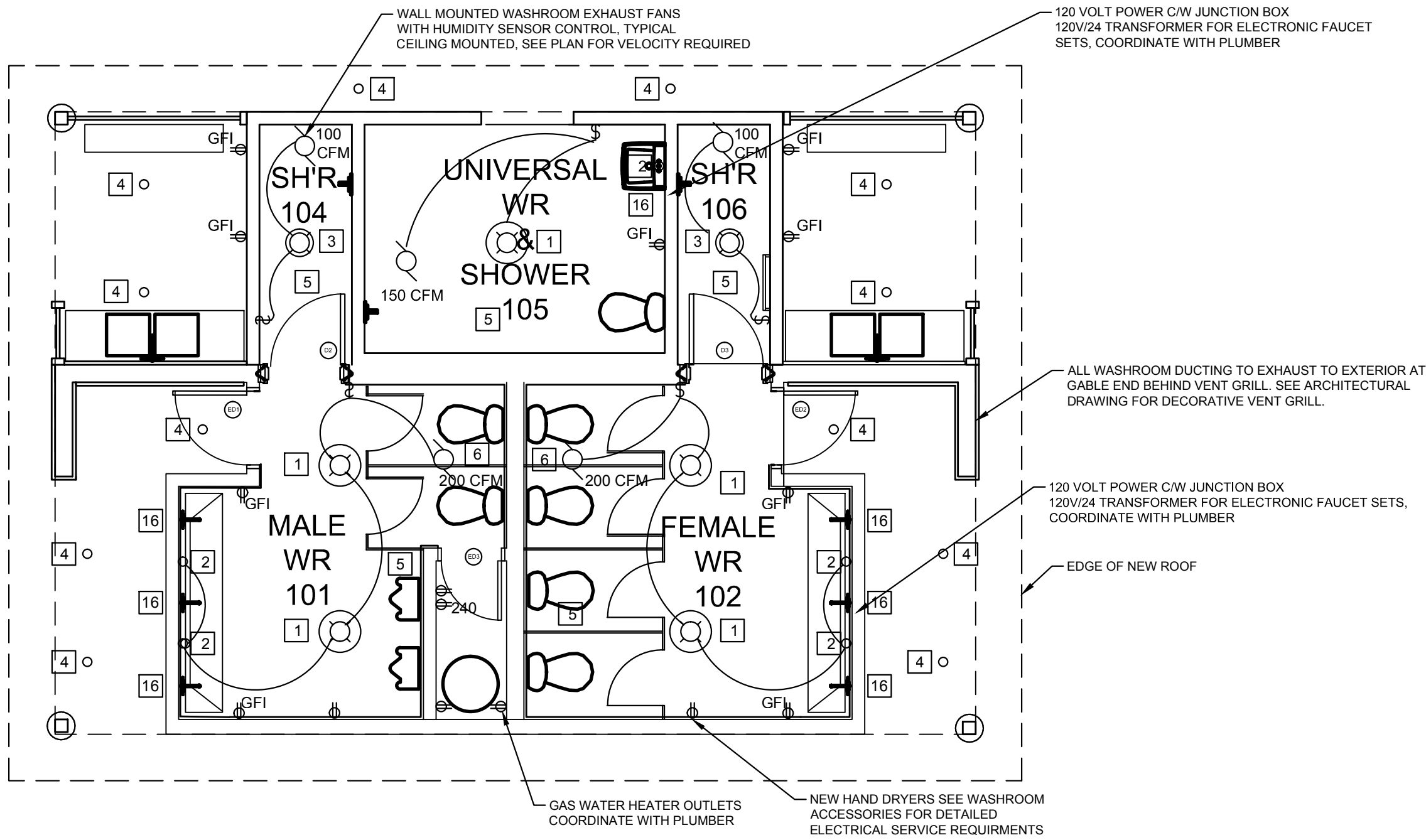
TYPE 4 - 3 WATT SWIVEL LED SOFFIT DOWN LIGHT, 3 X 1W LED, WARM WHITE, ALUMINUM ALLOY HOUSING. 75mm DIA CASING. # SPOT-19-P-3W-SFT-12VDC-WHT-60-WW

TYPE 5 - 150 CFM ULTRA QUIET EXHAUST FAN, RECESSED CEILING MOUNTED. SWITCH SHALL BE A HUMIDITY SENSING SWITCH WITH BUILT IN FAN TIMER.

TYPE 6 - 200 CFM ULTRA QUIET EXHAUST FAN, RECESSED CEILING MOUNTED. SWITCH SHALL BE A HUMIDITY SENSING SWITCH WITH BUILT IN FAN TIMER.

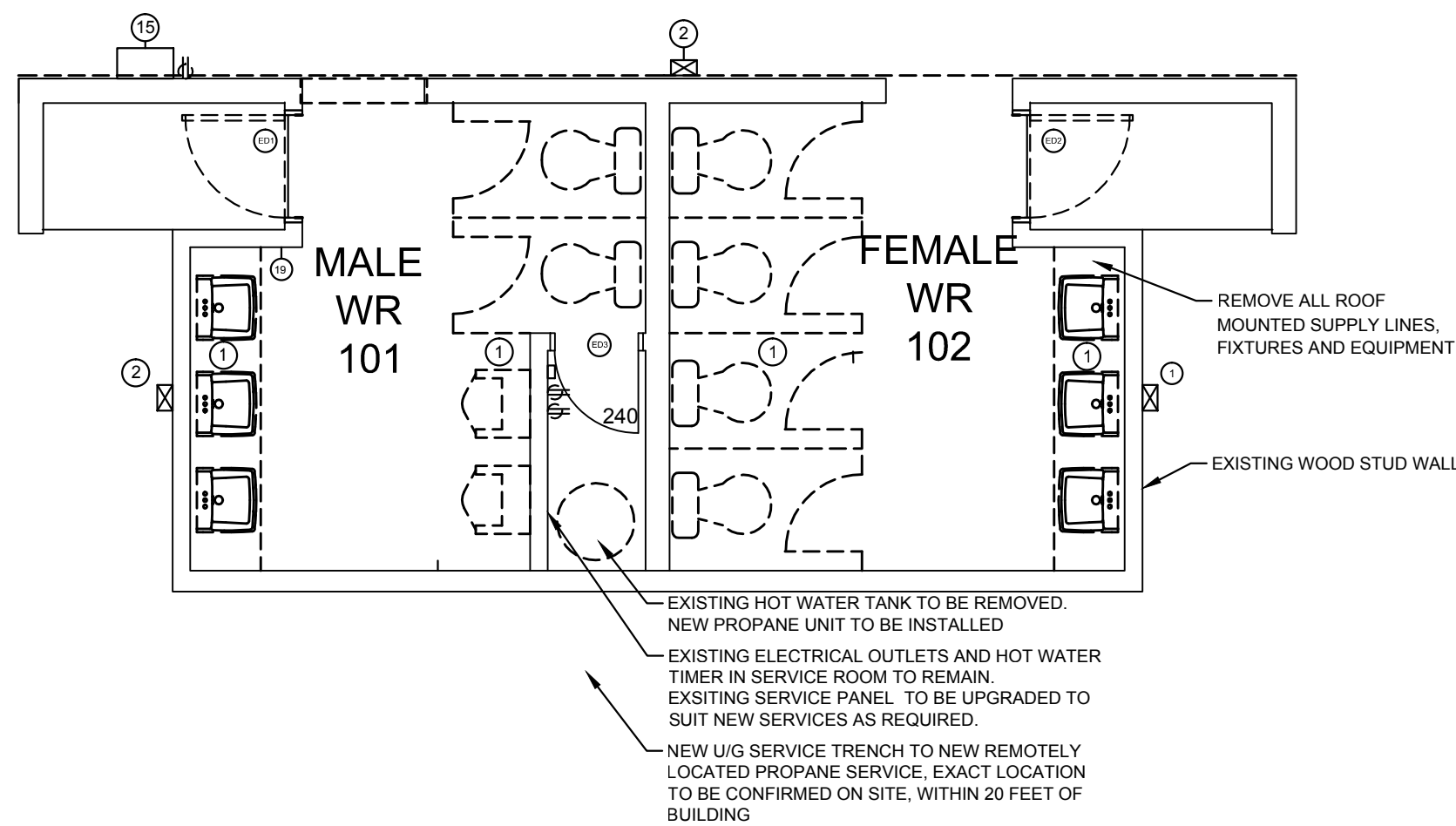
ELECTRICAL LEGEND

- 1 SUSPENDED LED LIGHT FIXTURE, TYPE 1
- 2 WALL MOUNTED LIGHT FIXTURE, TYPE 2
- 3 SUSPENDED LED LIGHT FIXTURE, TYPE 3
- 4 LED SOFFIT MOUNTED POT LIGHT
- GFI DUPLEX RECEPTACLE - 'WP' INDICATES WEATHER PROOF COVERPLATE - 'GFI' INDICATES INTEGRAL GROUND FAULT PROTECTION. 18" AFF UNLESS NOTED OTHERWISE, COLOR WHITE
- ELECTRICAL OUTLET FOR WASHROOM ACCESSORY
- OCCUPANCY/VACANCY SENSOR SINGLE POLE SWITCH
- 6 CEILING MOUNTED FAN, SENSOR DRIVEN
- 5 120 VOLT SMOKE ALARM - CEILING MOUNTED.
- Δ ELECTRICAL PANEL.
- WATER TIMER
- EXTERIOR LIGHTING TIMER
- FAUCET JUNCTION BOX



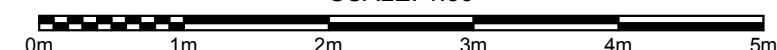
ELECTRICAL PLAN

SCALE: 1:50



ELECTRICAL DEMOLITION PLAN

SCALE: 1:50



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project

JEREMY'S BAY
REGISTRATION KIOSK
ENTRY ROAD RECONFIGURATION
KEJIMKUJIK NATIONAL PARK
CALEDONIA, NOVA SCOTIA

drawing

ELECTRICAL PLAN

designed MM / SM

date 05/20/2015

drawn SM

date 05/20/2015

approved ND DETAILS

date

tender

PWGSC Project Manager

Administrateur de projets TPSGC

project number

no. du projet

R.073402.001

drawing no.

E-001

1. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NEW PLUMBING FIXTURES, REMOVE ALL EXISTING AND REPLACE WITH NEW AS PER SCHEDULE.
2. PROVIDE AND INSTALL ALL NECESSARY PIPING, FITTINGS, INSULATION, ISOLATION VALVES, ETC. AS REQUIRED FOR THE NEW FIXTURES.
3. PROVIDE AND INSTALL NEW DOMESTIC WATER LINE FROM EXISTING, COORDINATE ON SITE AS REQUIRED.
4. PROVIDE ISOLATION VALVES AT ALL FIXTURES AND ON ALL BRANCH TAKE-OFFS
5. PROVIDE AND INSTALL NEW FLOOR DRAINS c/w TRAP PRIMER LINES AND FITTINGS. CONNECT TO NEAREST SINK COLD WATER LINE. PPP MODEL P2-500
6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE CANADIAN PLUMBING CODE.
7. COORDINATE ALL CUTTING AND PATCHING THAT IS REQUIRED FOR THE NEW SANITARY LINES WITH THE G.C.
8. G.C. WILL PROVIDE ALL FLOOR CUTTING AND PATCHING.
9. COORDINATE WITH OTHER TO AVOID CONFLICTS.
10. CONTRACTOR TO CONNECT NEW SANITARY PIPING FROM NEW FIXTURES TO THE EXISTING SYSTEM INSIDE BUILDING. VERIFY EXACT LOCATIONS ON SITE.
11. PROVIDE AND INSTALL VENT PIPING THRU THE ROOF VERIFY EXACT LOCATION ON SITE.
12. NOT ALL PIPING, VALVES, ETC. ARE INDICATED. CONTRACTOR TO PROVIDE ALL NECESSARY MATERIALS AS REQUIRED FOR A COMPLETE PLUMBING INSTALLATION.
13. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL 25mm THICK PIPING INSULATION c/w PVC JACKET ON ALL DOMESTIC HOT AND COLD WATER LINES IN EXPOSED AREAS AND CANVAS JACKET IN CONCEALED AREAS. ACCEPTABLE PRODUCTS: FIBREGLASS CANADA, BAKOR, MANSON, JOHN MANVILLE
14. CONTRACTOR TO RE-CONNECT TO EXISTING COLD WATER LINE AS REQUIRED.
15. ALL DOMESTIC WATER PIPING TO BE TYPE 'L' COPPER
16. SANITARY AND VENT TO BE DWV PIPING
17. PLUMBING CONTRACTOR TO REMOVE THE EXISTING DOMESTIC HOT WATER STORAGE TANK AND ASSOCIATED PIPING TO ALLOW INSTALLATION OF NEW GAS TANKLESS HEATERS.
18. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL 2 NEW PROPANE FIRE DOMESTIC GAS FIRED HOT WATER HEATER, PVC VENT PIPING, COMBINATION INTAKE/DISCHARGE WALL VENT, WALL MOUNTING BRACKETS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION AS PER THE MFGR RECOMMENDATIONS.
19. GAS HEATERS SIMILAR TO RHEEM RTGH-95, 77 DEG. TEMP RISE. TK1 TO BE CONNECTED TO THE EXISTING SERVICES. TK2 TO BE CONNECTED TO NEW PIPING SERVING THE ADDITION.
20. ONE GAS FIRED UNIT TO SERVE THE NEW PLUMBING FIXTURES AND ONE TO SERVE THE EXISTING
21. COORDINATE PROPANE TANK INSTALLATION WITH THE BUILDER. TANKS SUPPLIED AND INSTALLED BY THE PROPANE SUPPLIER. TANKS TO SIT ON 100mm THICK CONCRETE PAD PROVIDED BY BUILDER
22. CONTRACTOR TO REMOVE ALL THE EXISTING PLUMBING FIXTURES AND REPLACE WITH NEW AS PER SCHEDULE.
23. WHERE EXISTING FIXTURES ARE BEING REPLACED, CONTRACTOR TO PROVIDE ALL NECESSARY PIPING, VALVES, DRAIN LINES, WATER LINES, VENT PIPING, ETC. AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
24. CONTRACTOR CAN RE-USE EXISTING CARRIERS IF POSSIBLE, PROVIDE NEW OTHERWISE.
25. CONTRACTOR TO COORDINATE WITH THE G.C. REGARDING THE REMOVALS OF FIXTURES TO ENSURE EXISTING PIPING THAT IS TO BE RE-USE REMAINS.
26. CONTRACTOR TO COORDINATE THE ELECTRONIC SENSOR POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. 120V POWER.
27. PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRONIC SENSOR CONTROLS FOR THE SINKS AND WATER CLOSETS AS REQUIRED.
28. PROVIDE STAINLESS STEEL ACCESS PANELS WHERE REQUIRED TO SERVICE VALVES, SENSOR CONTROLS, ETC.
29. LAV ELECTRONIC FAUCET SETS ARE BEING BASED ON MIXED WATER TEMP. PROVIDE MIXING TEE AS REQUIRED FOR EACH.
30. ALL EXISTING DOMESTIC WATER PIPING TO BE FLUSHED AND CLEANED PRIOR TO TURNOVER TO OWNERS.
31. CONTRACTOR TO COORDINATE WITH THE ELECTRICAL CONTRACTOR REGARDING THE GAS FIRE HEATER.
32. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST PLUMBING, GAS AND BUILDING CODES.
33. LOCATE ELECTRONIC SENSORS TRANSFORMER, POWER, ETC. UNDER SINKS c/w ss ACCESS PANEL

