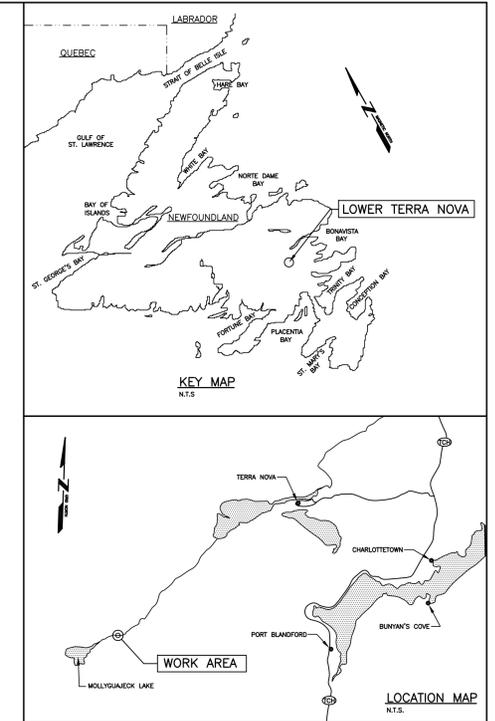


# INFRASTRUCTURE UPGRADES LOWER TERRA NOVA FISHWAY, NEWFOUNDLAND PROJECT No. F6879-179013 ISSUED FOR TENDER



## LIST OF DRAWINGS:

- C1 OF 7 EXISTING SITE PLAN WITH DEMOLITION
- C2 OF 7 EXISTING ACCOMMODATIONS BUILDING WITH DEMOLITION
- C3 OF 7 NEW SITE PLAN
- C4 OF 7 NEW REPAIRS – ACCOMMODATIONS BUILDING
- C5 OF 7 NEW EQUIPMENT SHED
- C6 OF 7 NEW PATIO DECK/BOARDWALK SECTIONS & DETAILS
- C7 OF 7 MISCELLANEOUS DETAILS

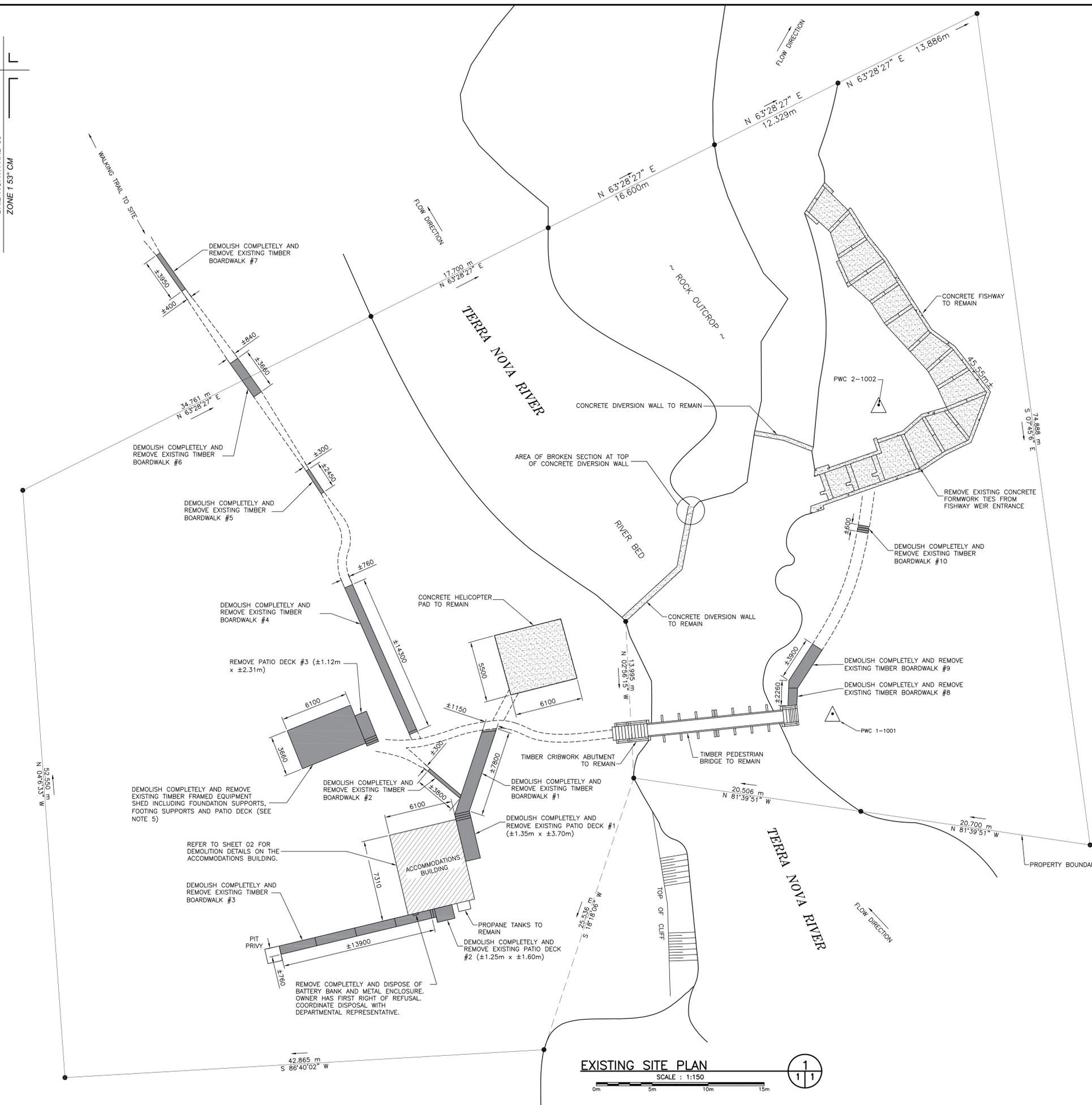


PREPARED FOR



DEPARTMENT OF FISHERIES AND OCEANS

GRID NORTH NAD-83  
ZONE 1 63° CM



**EXISTING SITE PLAN**  
SCALE: 1:150

- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
  2. ALL ELEVATIONS IN METERS.
  3. DO NOT SCALE FROM DRAWINGS. USE DIMENSIONS AS SHOWN.
  4. RELIABLE AS-BUILT INFORMATION IS LIMITED. EXISTING FEATURES ARE SHOWN FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL CONFIRM ALL CRITICAL DIMENSIONS IN THE FIELD. CONTRACTOR TO BASE ALL COSTS FOR DEMOLITION AND ASSOCIATED RISK ACCORDINGLY.
  5. EXISTING SHED SHOULD NOT BE DEMOLISHED OR REMOVED UNTIL NEW SHED IS CONSTRUCTED. ALL BUILDING CONTENTS INCLUDING THE ROOF MOUNTED SOLAR PANELS SHALL BE REMOVED AND RELOCATED TO NEW EQUIPMENT SHED, PRIOR TO THE DEMOLITION OF THE EXISTING SHED. BE AWARE OF ANY UNDERGROUND SERVICE LINES BETWEEN EXISTING SHED AND ACCOMMODATIONS BUILDINGS DURING EXCAVATION. MAINTAIN AND PROTECT LINES UNTIL THEY CAN BE REMOVED / RELOCATED INTO NEW WORK. COORDINATE WORK WITH THE DEPARTMENTAL REPRESENTATIVE.
  6. REMOVE TREES, SHRUBS AND GROUND COVER AS REQUIRED TO REMOVE EXISTING STRUCTURES AND TO CONSTRUCT NEW. COORDINATE REMOVAL OF MATERIAL WITH DEPARTMENTAL REPRESENTATIVE.
  7. IT SHOULD BE NOTED THAT THE LOCATION OF WORK IS REMOTE AND NOT ACCESSIBLE BY ROAD. HELICOPTER ACCESS WILL BE APPROVED FOR SITE ACCESS. HOWEVER, THE CONTRACTOR MAY REQUIRE TEMPORARY SITE ACCESS MEASURES ONCE AT THE SITE. TEMPORARY MEASURES IMPLEMENTED ON-SITE MUST BE REMOVED UPON COMPLETION OF PROJECT AND ALL DISTURBED FEATURES MUST BE REINSTATED AS PER EXISTING. IF METHOD OF TEMPORARY SITE ACCESS REQUIRES APPROVAL FROM GOVERNING AUTHORITIES, THE CONTRACTOR SHALL SUBMIT ALL PERMITS/APPROVALS TO THE DEPARTMENTAL REPRESENTATIVE PRIOR TO START OF WORK.
  8. DFO WILL PROVIDE UP TO 50 HOURS OF HELICOPTER TIME FOR USE BY THE CONTRACTOR. THIS TIME IS INTENDED FOR WORKER/MATERIAL TRANSPORT TO AND FROM THE SITE. HELICOPTER TRIPS SHOULD BE SCHEDULED AS EFFICIENTLY AS POSSIBLE, AND SHOULD MAKE USE OF THE DESTINATION AND RETURN TRIPS.
  9. ALL DEMOLISHED MATERIALS ARE TO BE REMOVED FROM THE SITE, AND DISPOSED OF APPROPRIATELY.
  10. ALL WORK TO BE CARRIED OUT IN THE DRY.
  11. LENGTHS OF NEW BOARDWALKS/PATIOS TO MATCH EXISTING, AS A MINIMUM, OR LARGER. CONTRACTOR TO CONFIRM EXISTING DIMENSIONS PRIOR TO DEMOLITION. DIMENSIONS SHOWN ARE CONSIDERED APPROXIMATE.

- GENERAL LEGEND:**
- EXISTING STRUCTURES TO BE COMPLETELY DEMOLISHED AND/OR REMOVED INCLUDING ALL FOUNDATION AND FOOTING SUPPORTS.
  - EXISTING STRUCTURES TO BE PARTIALLY RENOVATED AND/OR REPAIRED
  - EXISTING CONCRETE STRUCTURES TO REMAIN
  - EXISTING FOOTPATH

- SURVEY NOTES:**
1. ORIGINAL SURVEY WAS COMPLETED ON SEPTEMBER 8, 2005 BY JOHN HORWOOD, NEWFOUNDLAND LAND SURVEYORS. SINCE THIS ORIGINAL SURVEY, ADDITIONAL INFORMATION PERTAINING TO THE LOCATION OF BOARDWALKS AND OTHER FEATURES HAS BEEN ADDED OR MODIFIED. THIS IS NOT AN EXACT DUPLICATE OF THE ORIGINAL SURVEY. CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM ALL REQUIRED INFORMATION AND CARRY THE NECESSARY COSTS TO DO SO.
  2. ALL BEARINGS ARE GRID BASED ON NFLD. 3 TRANSVERSE MERCATOR PROJECTION.
  3. COORDINATES ARE DERIVED FROM STATIC GPS REFERENCED FROM CONTROL STATION 637001.
  4. COORDINATES OF NFLD. CONTROL STATION 637001  
N 5 374 798.968m E 215 351.423m.

Number	Northing	Eastings
PWC1-1001	5 385 152.958	225 254.108
PWC2-1002	5 385 180.513	225 258.228



PROVINCE OF NEWFOUNDLAND AND LABRADOR  
**PERMIT HOLDER**  
 This Permit Allows  
**Meridian Engineering Inc.**  
 Member No. 04378  
 To practice Professional Engineering in Newfoundland and Labrador.  
 Permit No. as issued by PEG 10453 which is valid for the year 2017.

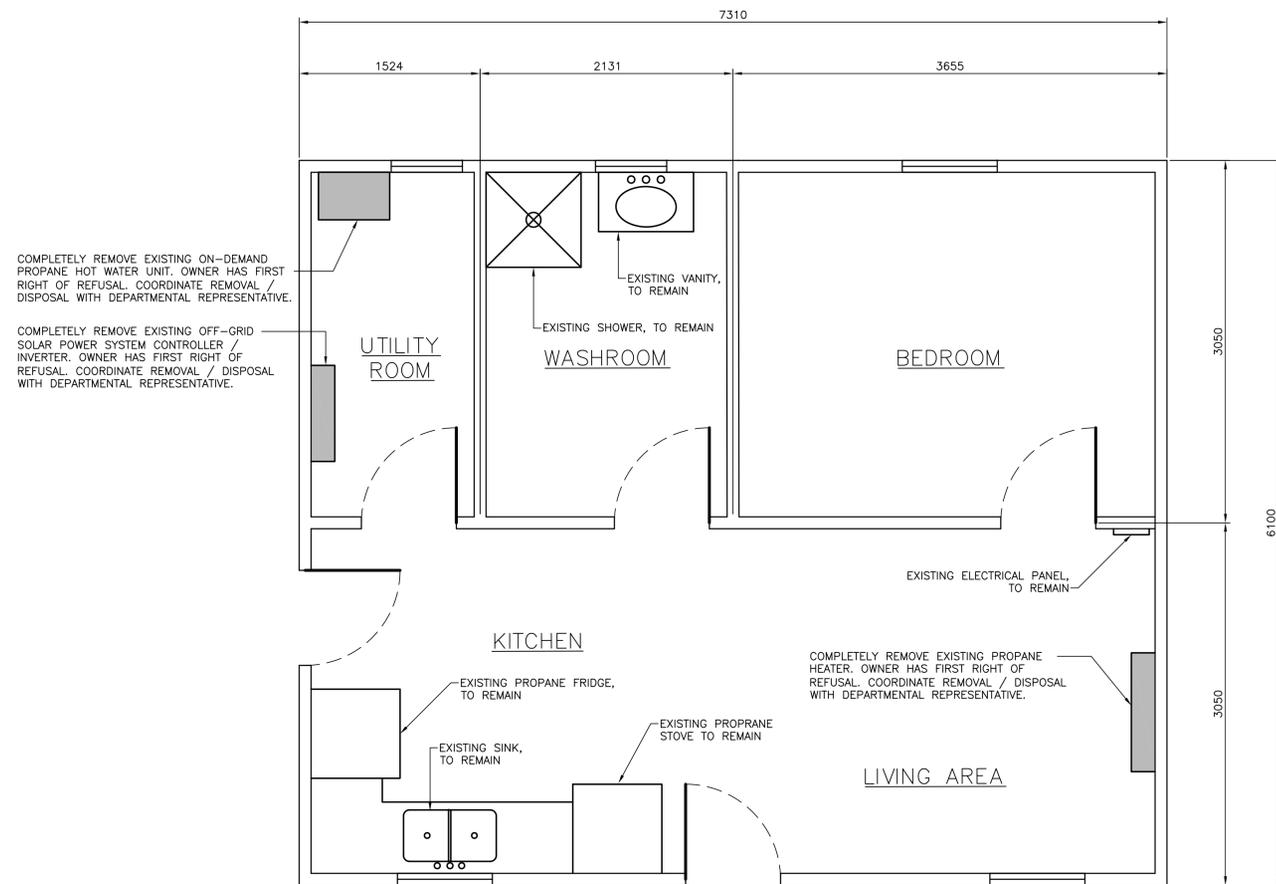


revisions	date
B	ISSUED FOR TENDER 17/10/02
A	ISSUED FOR 99% REVIEW 17/09/08

**INFRASTRUCTURE UPGRADES - LOWER TERRA NOVA FISHWAY**

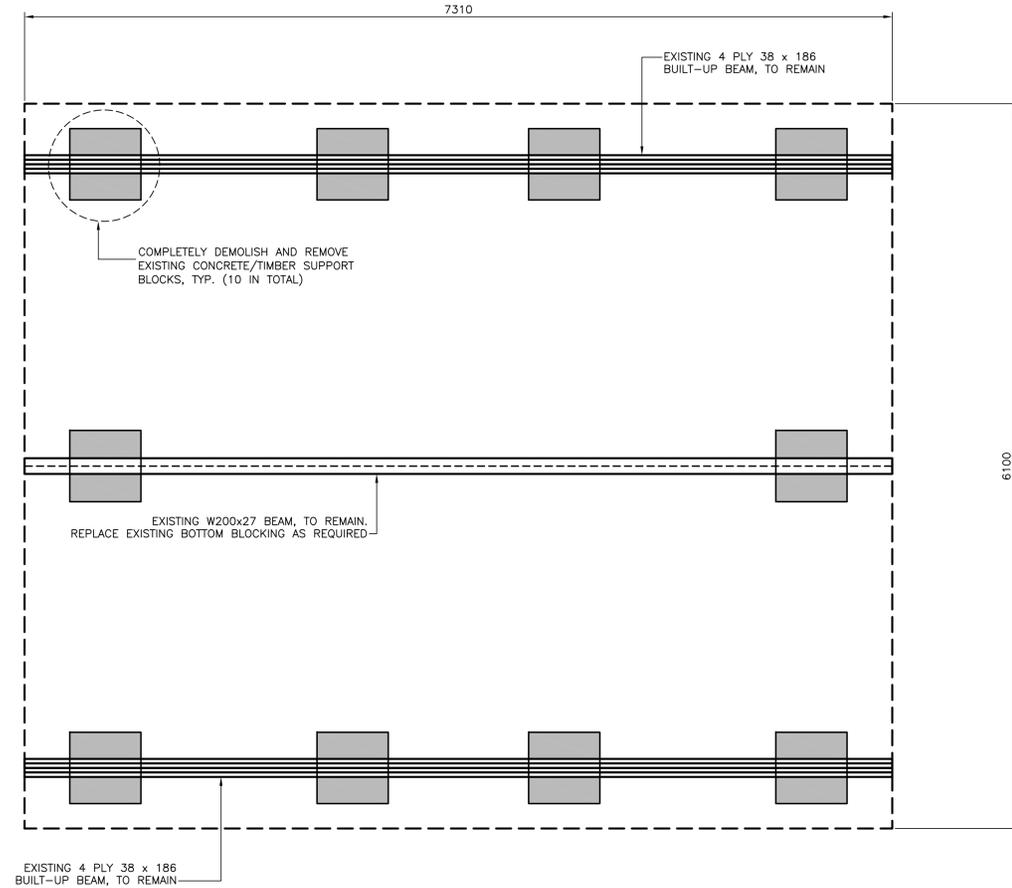
**EXISTING SITE PLAN WITH DEMOLITION**

designed K.F.	conclu
date SEPT. 8, 2017	
drawn M.L.	dessine
date SEPT. 8, 2017	
approved L.B.	approuvé
date SEPT. 8, 2017	
Tender	Submission
DFO Project Manager	Administrateur de projets MPO
project number	no. du projet
<b>F6879-179013</b>	
drawing no.	no. du dessin
<b>C1 OF 7</b>	



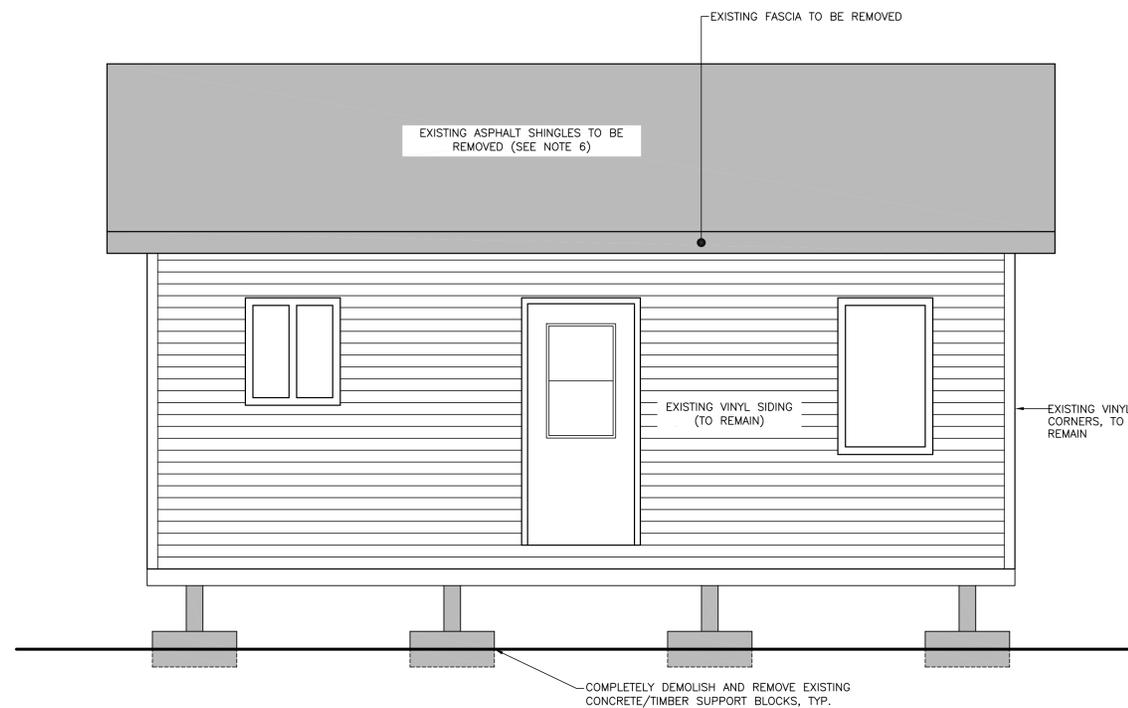
ACCOMMODATIONS BUILDING – FLOOR PLAN 1/2/2

SCALE : 1:25  
0mm 500mm 1000mm 1500mm 2000mm 2500mm



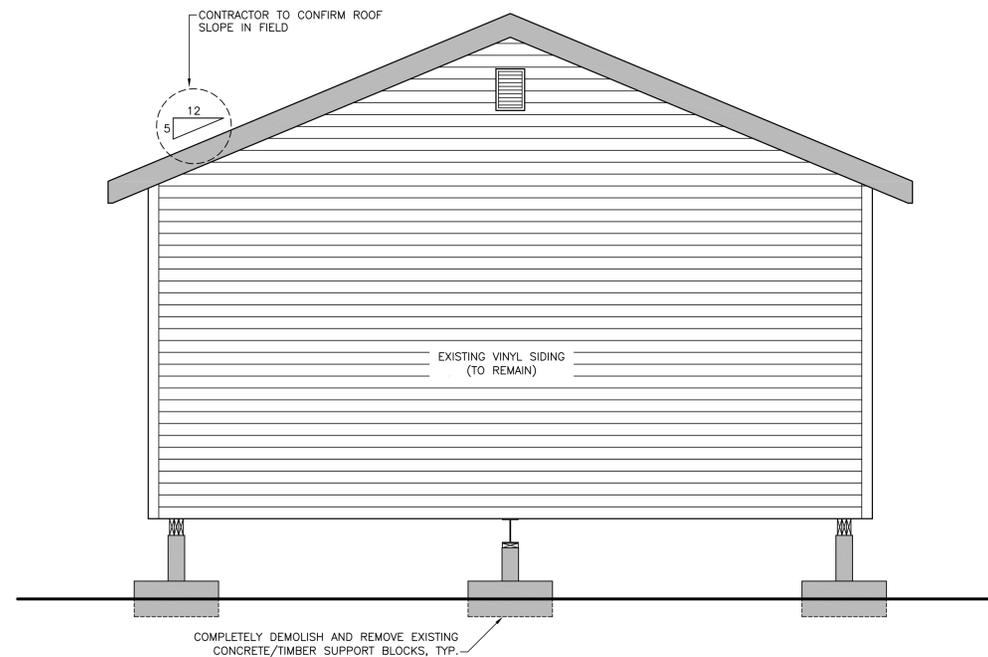
ACCOMMODATIONS BUILDING – FOUNDATION PLAN 2/2/2

SCALE : 1:25  
0mm 500mm 1000mm 1500mm 2000mm 2500mm



ACCOMMODATIONS BUILDING – SOUTH ELEVATION 3/2/2

SCALE : 1:25  
0mm 500mm 1000mm 1500mm 2000mm 2500mm



ACCOMMODATIONS BUILDING – EAST ELEVATION 4/2/2

SCALE : 1:25  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS.
- DO NOT SCALE FROM DRAWINGS.
- RELIABLE AS-BUILT INFORMATION IS LIMITED, EXISTING FEATURES ARE SHOWN FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL CONFIRM ALL CRITICAL DIMENSIONS IN THE FIELD. CONTRACTOR TO BASE ALL COSTS FOR DEMOLITION AND ASSOCIATED RISK ACCORDINGLY.
- EXISTING EXTERNAL DECKS AND OTHER FEATURES OMITTED FROM THESE DETAILS FOR CLARITY PURPOSES. PLEASE REFER TO OTHER DRAWINGS FOR OTHER DETAILS.
- CONTRACTOR TO PROVIDE ALL REQUIRED TEMPORARY BRACING AND SHORING REQUIRED DURING DEMOLITION AND CONSTRUCTION TO ENSURE CABIN IS FULLY STABLE AND SAFE FOR WORKING NEAR.
- CONTRACTOR SHALL INFORM THE DEPARTMENTAL REPRESENTATIVE ONCE EXISTING ASPHALT SHINGLES HAVE BEEN REMOVED. THE DEPARTMENTAL REPRESENTATIVE SHALL INSPECT ALL EXISTING ROOF SHEATHING FOR AREAS OF DETERIORATION. IF ANY AREAS OF THE ROOF SHEATHING WARRANT REPLACEMENT, THE CONTRACTOR SHALL REPLACE THOSE AREAS WITH NEW, TO MATCH EXISTING, AND TO THE APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE.

GENERAL LEGEND:

EXISTING ITEMS TO BE COMPLETELY DEMOLISHED AND/OR REMOVED

PROVINCE OF NEWFOUNDLAND AND LABRADOR  
PERMIT HOLDER  
This Permit Allows  
Meridian Engineering Inc.  
Member No. 04378  
To practice Professional Engineering in Newfoundland and Labrador.  
Permit No. as issued by PEC 20453 which is valid for the year 2017.



B	ISSUED FOR TENDER	17/10/02
A	ISSUED FOR 99% REVIEW	17/09/08

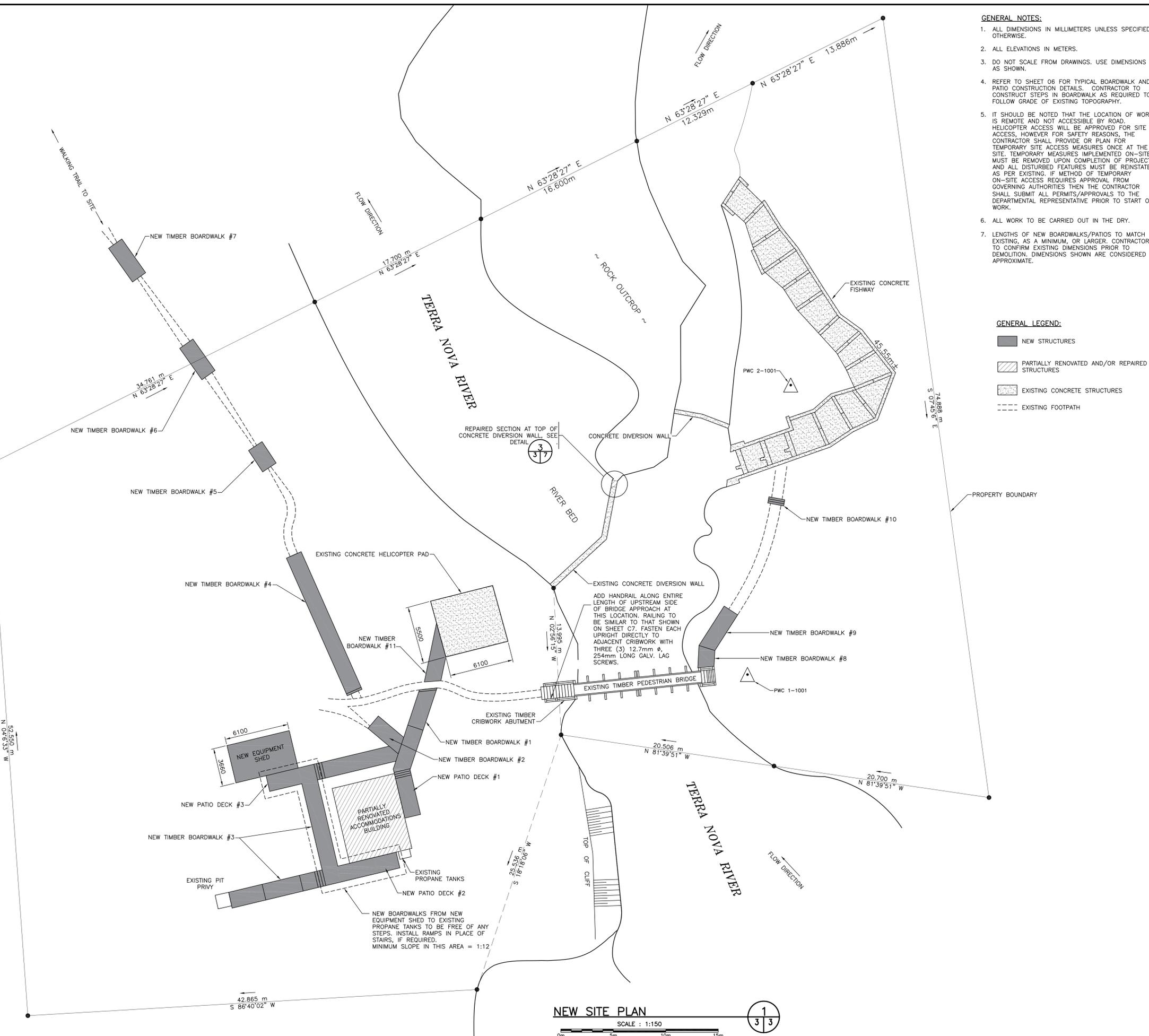
INFRASTRUCTURE UPGRADES – LOWER TERRA NOVA FISHWAY

EXISTING ACCOMMODATIONS BUILDING WITH DEMOLITION

designed K.F.	conçu
date SEPT. 8, 2017	
drawn M.L.	dessiné
date SEPT. 8, 2017	
approved L.B.	approuvé
date SEPT. 8, 2017	
Tender	Soumission

DFO Project Manager / Administrateur de projets MPD  
project number / no. du projet  
**F6879-179013**

GRID NORTH NAD-83  
ZONE 153° CM



- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
  2. ALL ELEVATIONS IN METERS.
  3. DO NOT SCALE FROM DRAWINGS. USE DIMENSIONS AS SHOWN.
  4. REFER TO SHEET 06 FOR TYPICAL BOARDWALK AND PATIO CONSTRUCTION DETAILS. CONTRACTOR TO CONSTRUCT STEPS IN BOARDWALK AS REQUIRED TO FOLLOW GRADE OF EXISTING TOPOGRAPHY.
  5. IT SHOULD BE NOTED THAT THE LOCATION OF WORK IS REMOTE AND NOT ACCESSIBLE BY ROAD. HELICOPTER ACCESS WILL BE APPROVED FOR SITE ACCESS, HOWEVER FOR SAFETY REASONS, THE CONTRACTOR SHALL PROVIDE OR PLAN FOR TEMPORARY SITE ACCESS MEASURES ONCE AT THE SITE. TEMPORARY MEASURES IMPLEMENTED ON-SITE MUST BE REMOVED UPON COMPLETION OF PROJECT AND ALL DISTURBED FEATURES MUST BE REINSTATED AS PER EXISTING. IF METHOD OF TEMPORARY ON-SITE ACCESS REQUIRES APPROVAL FROM GOVERNING AUTHORITIES THEN THE CONTRACTOR SHALL SUBMIT ALL PERMITS/APPROVALS TO THE DEPARTMENTAL REPRESENTATIVE PRIOR TO START OF WORK.
  6. ALL WORK TO BE CARRIED OUT IN THE DRY.
  7. LENGTHS OF NEW BOARDWALKS/PATIOS TO MATCH EXISTING, AS A MINIMUM, OR LARGER. CONTRACTOR TO CONFIRM EXISTING DIMENSIONS PRIOR TO DEMOLITION. DIMENSIONS SHOWN ARE CONSIDERED APPROXIMATE.

- GENERAL LEGEND:**
- NEW STRUCTURES
  - PARTIALLY RENOVATED AND/OR REPAIRED STRUCTURES
  - EXISTING CONCRETE STRUCTURES
  - EXISTING FOOTPATH

**Fisheries and Oceans Canada** / **Pêches et Océans Canada**

PROVINCE OF NEWFOUNDLAND AND LABRADOR  
**PERMIT HOLDER**  
 This Permit Allows  
**Meridian Engineering Inc.**  
 Member No. 04378  
 To practice Professional Engineering in Newfoundland and Labrador.  
 Permit No. as issued by PEG...10453  
 which is valid for the year 2017.

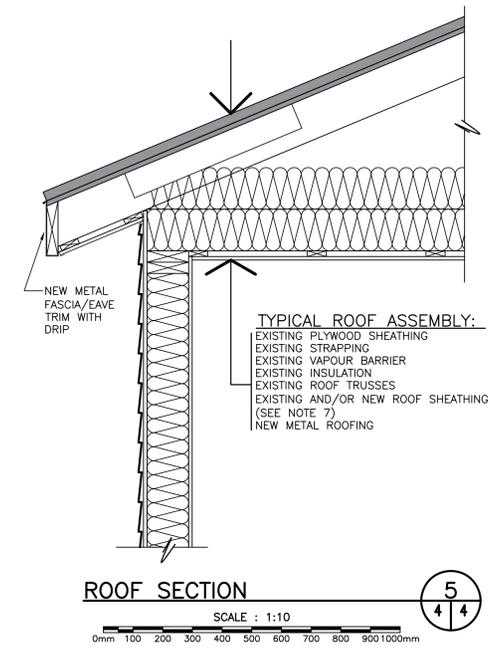
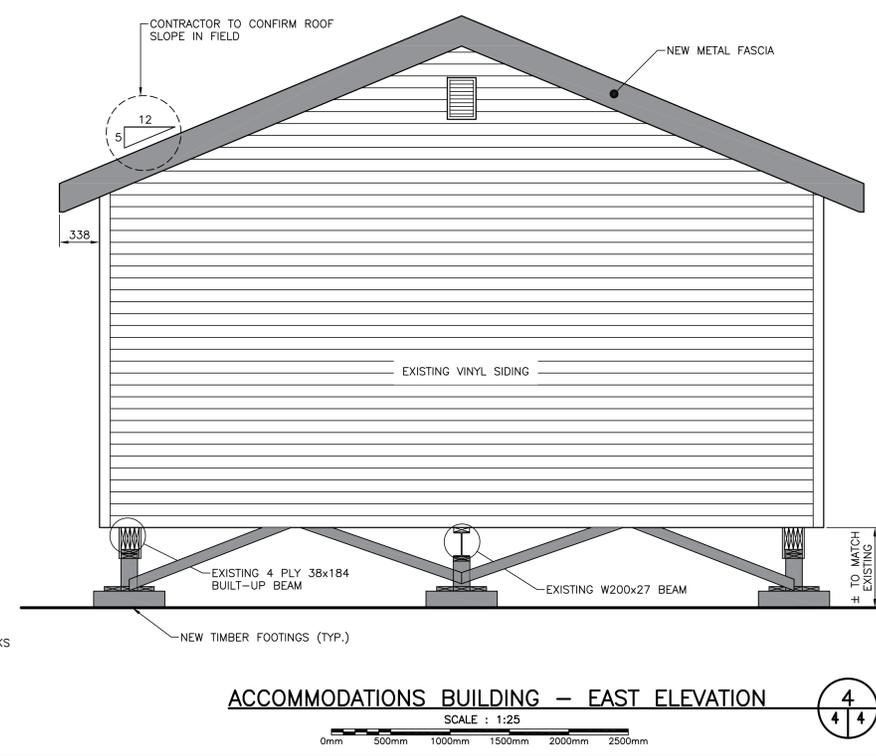
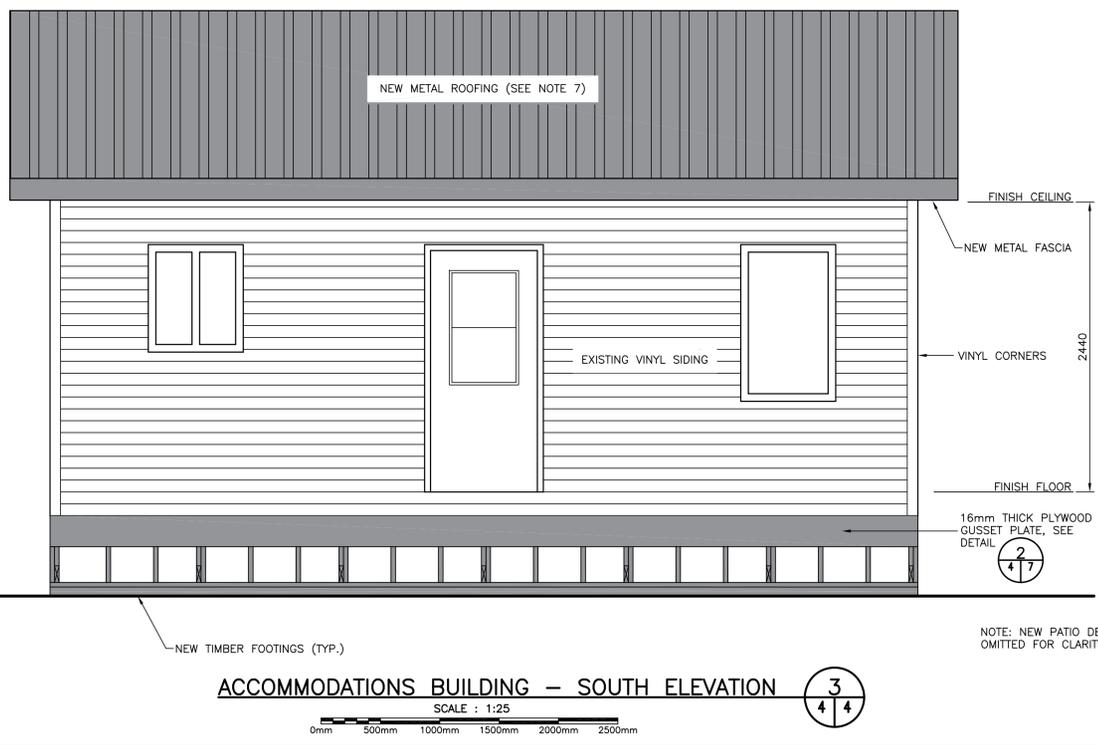
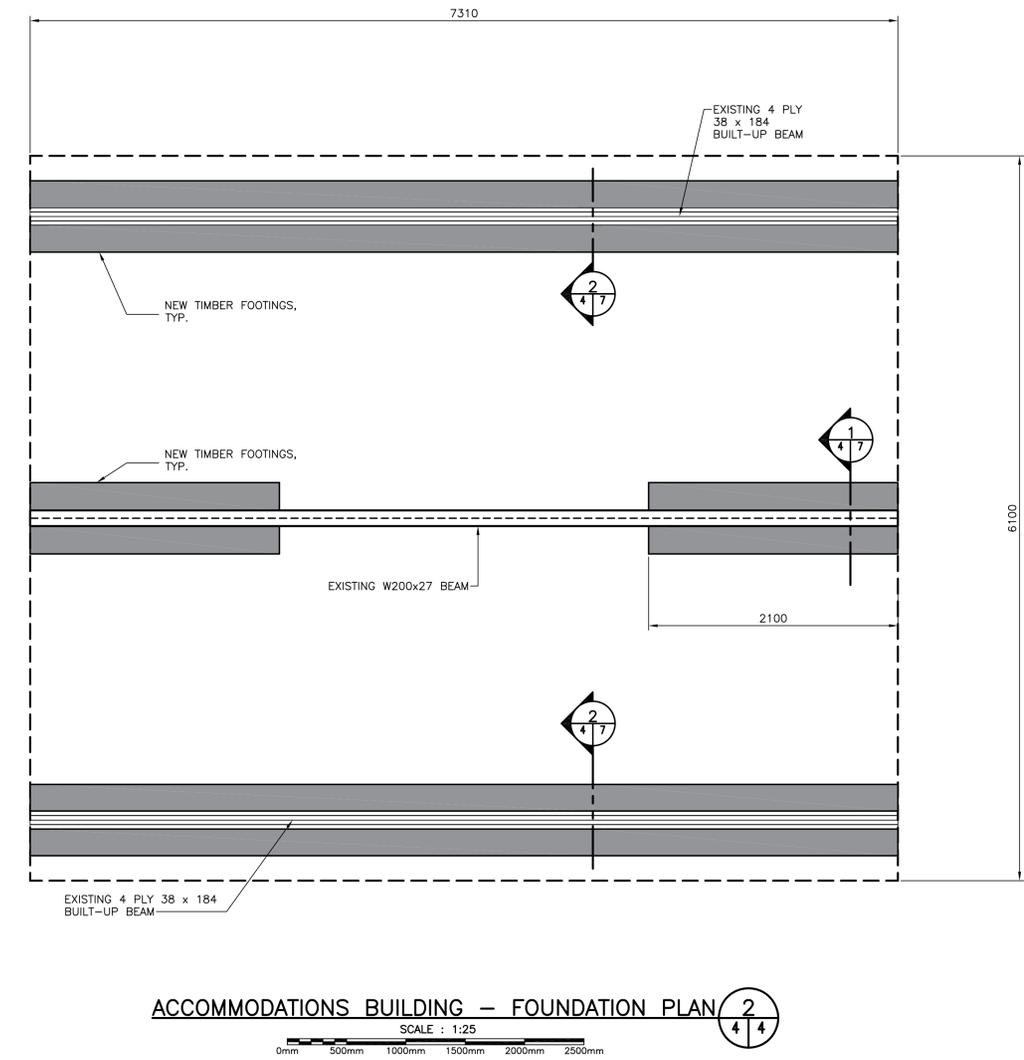
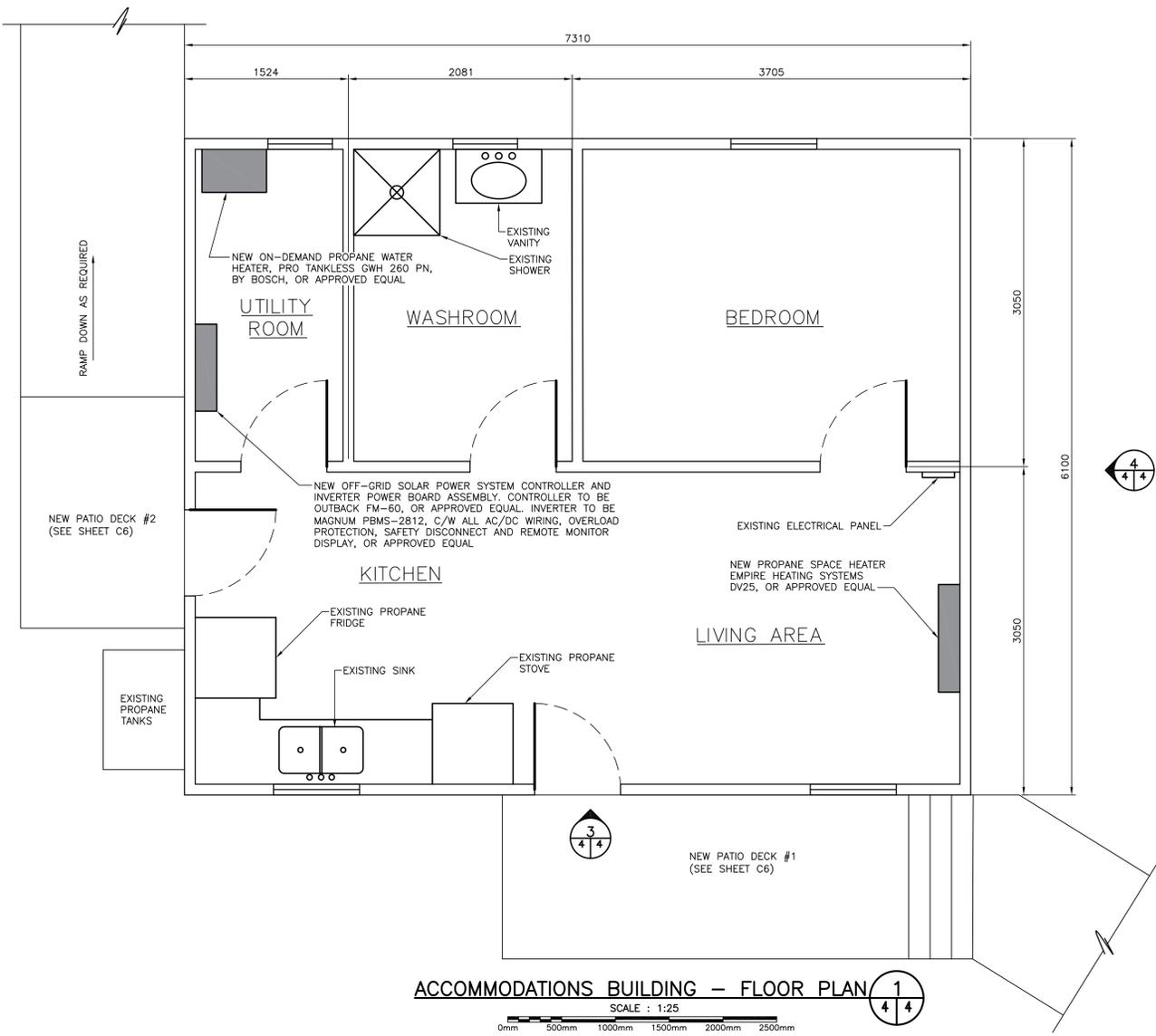
**09034**  
**MULAN G. PEREZ**  
 17/10/02  
 DATE  
 NEWFOUNDLAND & LABRADOR

revisions	date
B	ISSUED FOR TENDER 17/10/02
A	ISSUED FOR 99% REVIEW 17/09/08
project	project

**INFRASTRUCTURE UPGRADES - LOWER TERRA NOVA FISHWAY**

**NEW SITE PLAN**

designed K.F.	concu
date SEPT. 8, 2017	
drawn M.L.	dessine
date SEPT. 8, 2017	
approved L.B.	approuvé
date SEPT. 8, 2017	
Tender	Submission
DFO Project Manager Administrateur de projets MPO	no. du projet
project number	
<b>F6879-179013</b>	
drawing no.	no. du dessin
<b>C3 OF 7</b>	



- GENERAL NOTES:**
- UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS.
  - DO NOT SCALE FROM DRAWINGS.
  - ALL CONNECTING WIRES (INDOOR AND OUTDOOR), FITTINGS, CONDUIT, MOUNTING EQUIPMENT AND ANY OTHER ITEMS REQUIRED TO COMPLETELY INSTALL AND OPERATE THE OFF-GRID POWER SUPPLY AND PROPANE HEATERS ARE TO BE INCLUDED.
  - ALL OFF-GRID POWER AND HEATING ITEMS TO BE INSTALLED BY A CERTIFIED TECHNICIAN, FAMILAR WITH OFF-GRID ELECTRICAL SYSTEMS. IF THE SYSTEM IS NOT INSTALLED BY SUCH A TECHNICIAN, IT MUST BE INSPECTED AND COMMISSIONED BY SUCH A TECHNICIAN, TO THE APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE PRIOR TO PROJECT COMPLETION.
  - CONTRACTOR TO PROVIDE ALL REQUIRED TEMPORARY BRACING AND SHORING DURING DEMOLITION AND CONSTRUCTION TO ENSURE CABIN IS FULLY STABLE AND SAFE FOR WORKING NEAR.
  - CONTRACTOR SHALL TOUCH-UP ALL INTERIOR WALL AND CEILING SURFACES THAT ARE DISTURBED BY THE NEW WORK WITH 1 COAT OF ALKYD PRIMER AND 2 COATS OF ALKYD FINISH PAINT TO MATCH EXISTING SURFACES. PAINT MATERIALS TO BE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
  - CONTRACTOR SHALL INFORM THE DEPARTMENTAL REPRESENTATIVE ONCE EXISTING ASPHALT SHINGLES HAVE BEEN REMOVED. THE DEPARTMENTAL REPRESENTATIVE SHALL INSPECT ALL EXISTING ROOF SHEATHING FOR AREAS OF DETERIORATION. IF ANY AREAS OF THE ROOF SHEATHING WARRANT REPLACEMENT, THE CONTRACTOR SHALL REPLACE THOSE AREAS WITH NEW, TO MATCH EXISTING, AND TO THE APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE.

**GENERAL LEGEND:**  
 ■ NEW WORK RENOVATIONS/REPAIRS

PROVINCE OF NEWFOUNDLAND AND LABRADOR  
**PEGL** PERMIT HOLDER  
 This Permit Allows  
**Meridian Engineering Inc.**  
 Member No. 04378  
 To practice Professional Engineering in Newfoundland and Labrador.  
 Permit No. as issued by PEG - 100453  
 which is valid for the year 2017.

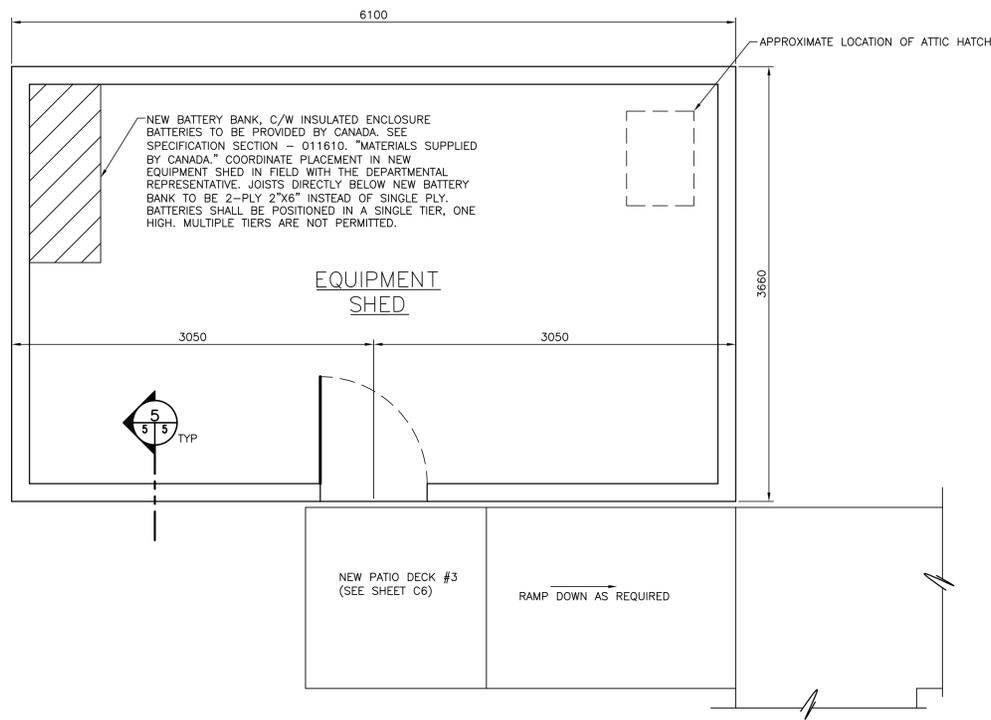


B	ISSUED FOR TENDER	17/10/02
A	ISSUED FOR 99% REVIEW	17/09/08

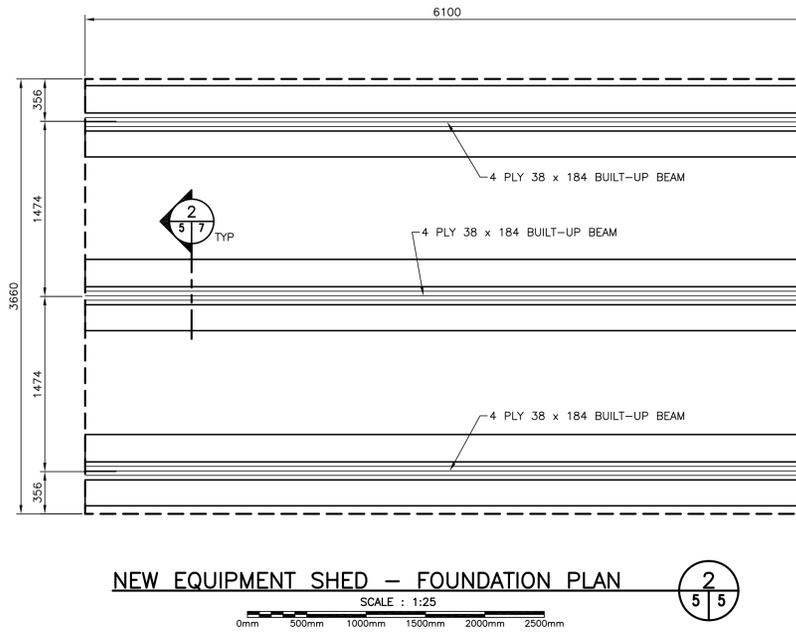
**INFRASTRUCTURE UPGRADES - LOWER TERRA NOVA FISHWAY**

**NEW REPAIRS - ACCOMMODATIONS BUILDING**

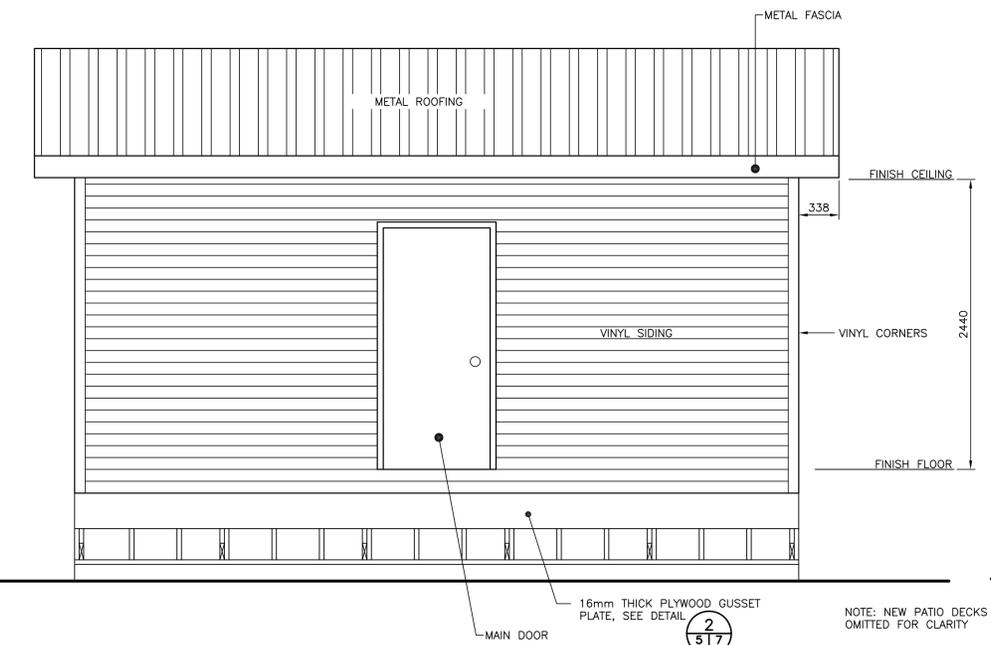
designed	K.F.	concu
date	SEPT. 8, 2017	
drawn	M.L.	desine
date	SEPT. 8, 2017	
approved	L.B.	approve
date	SEPT. 8, 2017	
Tender		Submission
DFO Project Manager	Administrateur de projets MPO	no. du projet
<b>F6879-179013</b>		
drawing no.		no. du dessin
<b>C4 OF 7</b>		



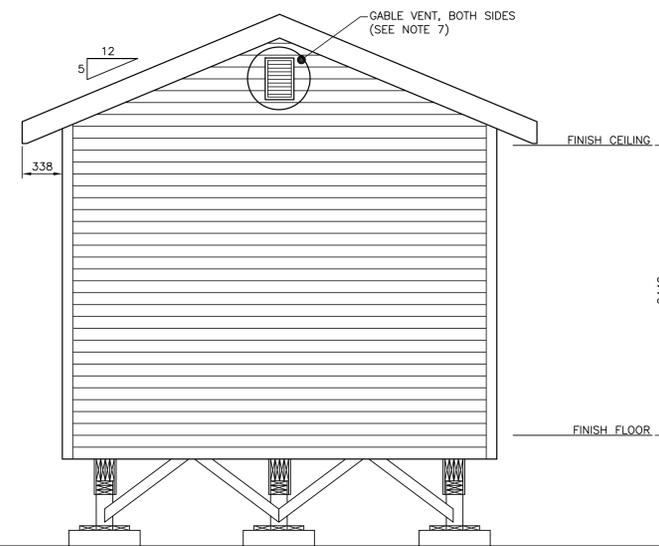
**NEW EQUIPMENT SHED - FLOOR PLAN**  
SCALE : 1:25



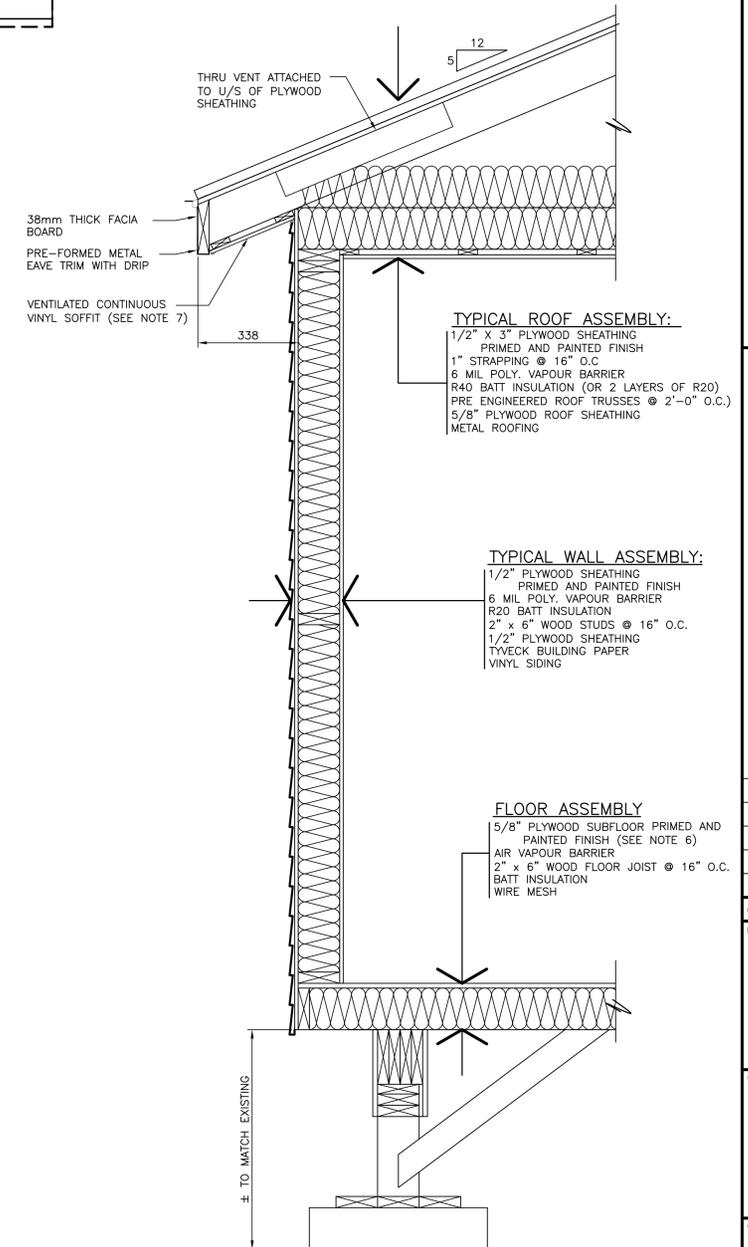
**NEW EQUIPMENT SHED - FOUNDATION PLAN**  
SCALE : 1:25



**NEW EQUIPMENT SHED - SOUTH ELEVATION**  
SCALE : 1:25



**NEW EQUIPMENT SHED - SOUTH ELEVATION**  
SCALE : 1:25



**TYPICAL SECTION**  
SCALE : 1:10

- GENERAL NOTES:**
- UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS.
  - DO NOT SCALE FROM DRAWINGS.
  - CONFIRM EXACT LOCATION OF NEW EQUIPMENT SHED IN THE FIELD WITH THE DEPARTMENTAL REPRESENTATIVE, PRIOR TO CONSTRUCTION.
  - ALL CONNECTING WIRES (INDOOR AND OUTDOOR), FITTINGS, CONDUIT, MOUNTING EQUIPMENT AND ANY OTHER ITEMS REQUIRED TO COMPLETELY INSTALL AND OPERATE THE OFF-GRID POWER SUPPLY AND PROPANE HEATERS ARE TO BE INCLUDED.
  - ALL OFF-GRID POWER AND HEATING ITEMS TO BE INSTALLED BY A CERTIFIED TECHNICIAN, FAMILAR WITH OFF-GRID ELECTRICAL SYSTEMS. IF THE SYSTEM IS NOT INSTALLED BY SUCH A TECHNICIAN, IT MUST BE INSPECTED AND COMMISSIONED BY SUCH A TECHNICIAN, TO THE APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE PRIOR TO PROJECT COMPLETION.
  - FINISH INTERIOR SURFACES WITH A MINIMUM OF 1 COAT OF ALKYD PRIMER AND 2 COATS OF ALKYD FINISH. PROVIDE NON-SLIP ADDITIVE TO FLOOR PAINT AND SUBMIT SHOP DRAWINGS OF PAINT MATERIALS TO THE DEPARTMENTAL REPRESENTATIVE FOR APPROVAL. COLOUR AS SELECTED BY THE DEPARTMENTAL REPRESENTATIVE.
  - PROVIDE THE REQUIRED AMOUNT OF UNOBSTRUCTED VENT AREA IN ATTIC SPACE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE, LATEST EDITION.

PROVINCE OF NEWFOUNDLAND AND LABRADOR  
**PERMIT HOLDER**  
 This Permit Allows  
**Meridian Engineering Inc.**  
 Member No. 04378  
 To practice Professional Engineering  
 in Newfoundland and Labrador.  
 Permit No. as issued by PEG: **NO453**  
 which is valid for the year **2021**.

**PROFESSIONAL ENGINEER**  
 # 09034  
**ALAN W.S. SHEDDEN**  
 17/10/02  
 NEWFOUNDLAND & LABRADOR

revisions	date
B	ISSUED FOR TENDER 17/10/02
A	ISSUED FOR 99% REVIEW 17/09/08

**INFRASTRUCTURE UPGRADES - LOWER TERRA NOVA FISHWAY**

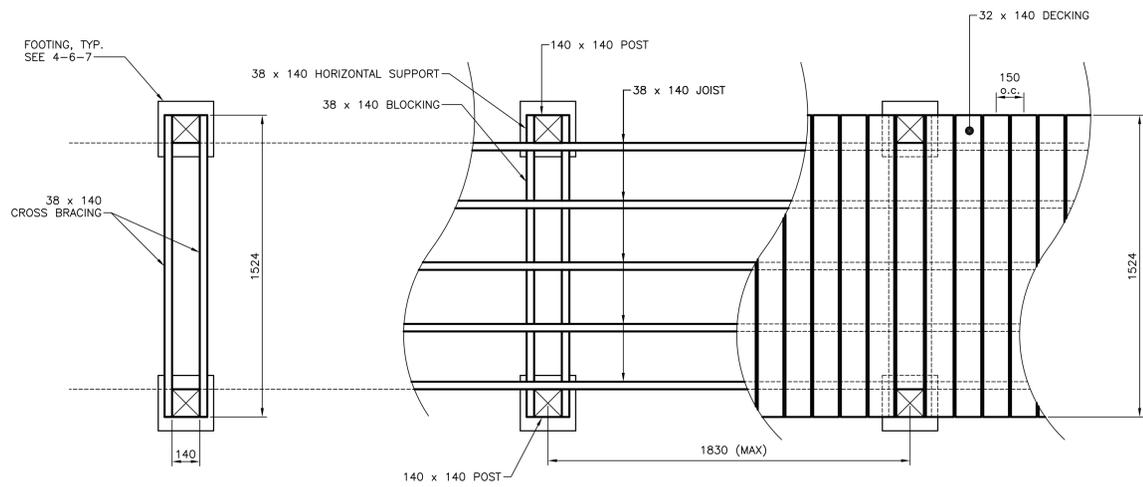
**NEW EQUIPMENT SHED**

designed K.F.	concu
date SEPT. 8, 2017	
drawn M.L.	designe
date SEPT. 8, 2017	
approved L.B.	approve
date SEPT. 8, 2017	
Tender	Submission
DFO Project Manager	Administrateur de projets MPO
project number	no. du projet
<b>F6879-179013</b>	
drawing no.	no. du dessin
<b>C5 OF 7</b>	

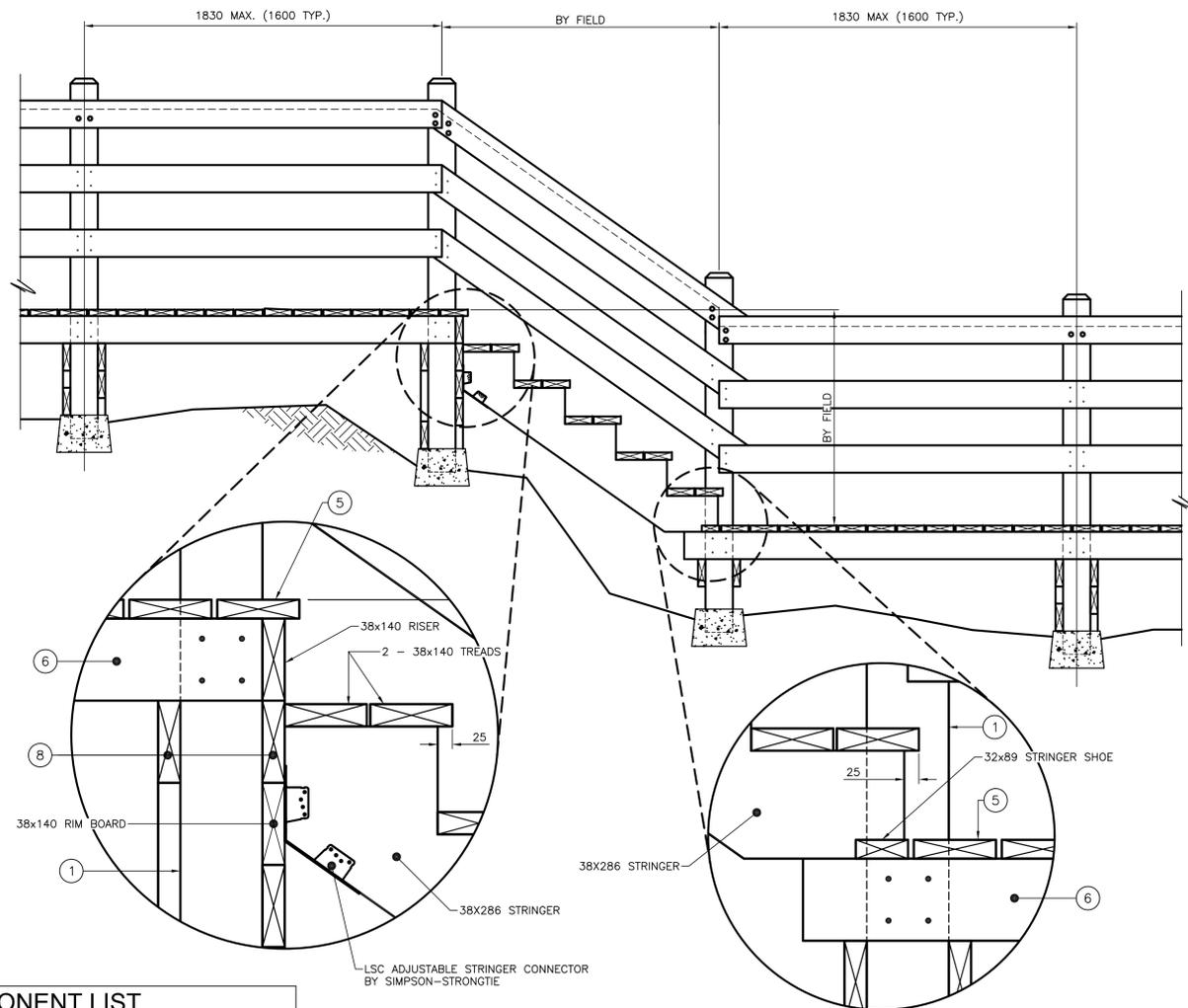
- UNDER HORIZONTAL SUPPORT LEVEL -

- UNDER DECK LEVEL -

- DECK LEVEL -



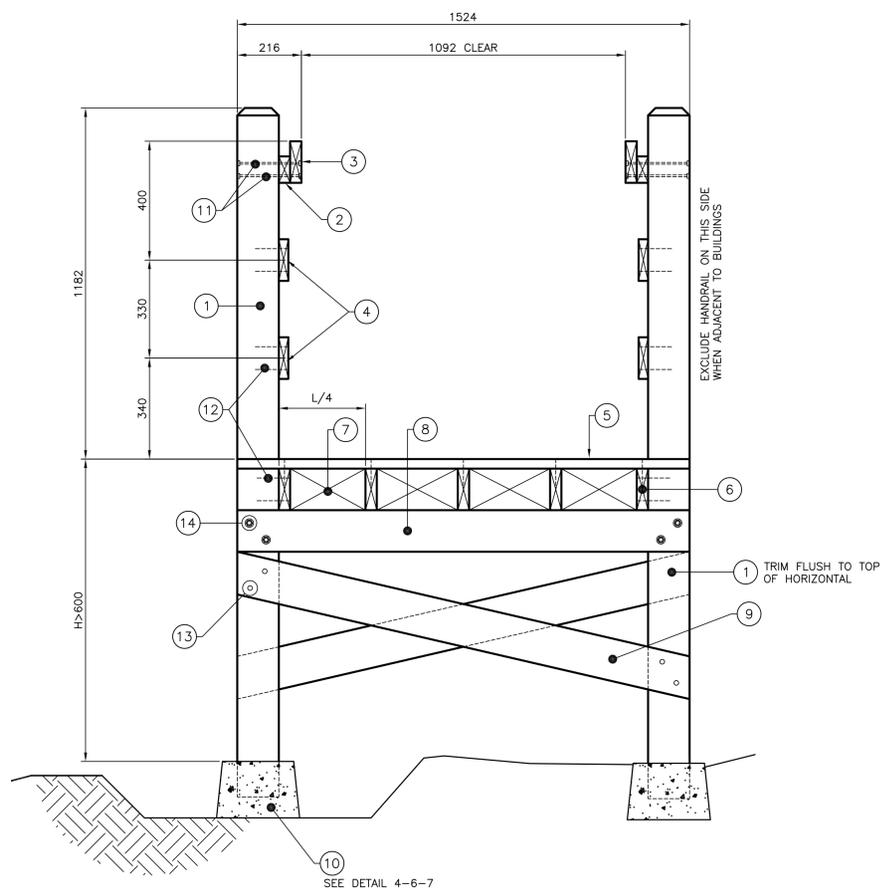
PLAN - TYPICAL PATIO DECK/BOARDWALK 1/6/6  
SCALE : 1:15  
0mm 500mm 1000mm 1500mm 2000mm



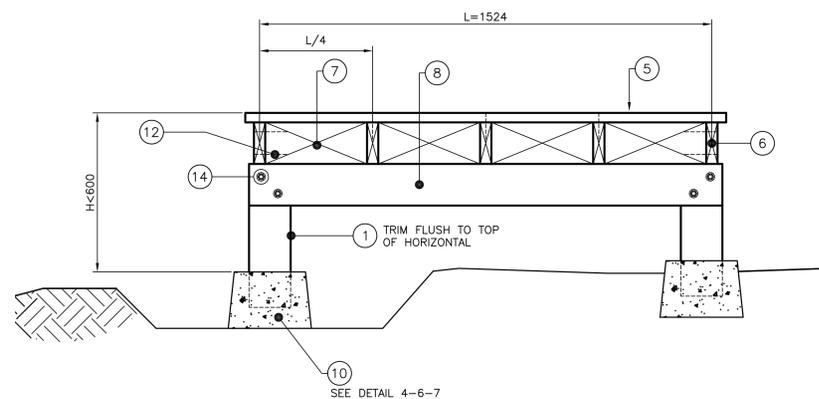
PATIO DECK/BOARDWALK STAIRS C.L. SECTION 5/6/6  
SCALE : 1:15  
0mm 500mm 1000mm 1500mm 2000mm

COMPONENT LIST

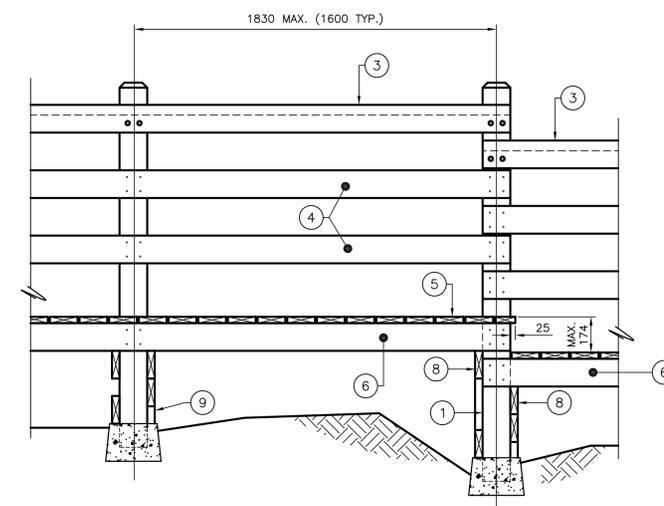
TAG	DESCRIPTION
1	140 x 140 POST
2	38 x 89 BOARD FASTENED TO 38 x 140mm HANDRAIL ALONG ITS LENGTH WITH 64mm LONG CORROSION RESISTANT DECK SCREWS @ 300mm O.C., STAGGERED TOP TO BOTTOM
3	38 x 140 HANDRAIL
4	32 x 140 INTERMEDIATE
5	32 x 140 DECKING
6	38 x 140 JOIST
7	38 x 140mm BLOCKING OVER EACH HORIZONTAL SUPPORT
8	38 x 140 HORIZONTAL SUPPORT (BOTH SIDES OF POST)
9	38 x 140 CROSS-BRACING
10	PRECAST CONCRETE 140x140 4-WAY DECK BLOCK BY SHAW BRICK & STONE, OR APPROVED EQUAL
11	TWO 12.7mm Ø GALVANIZED BOLTS PER INTERSECTION (COUNTERSUNK BOTH ENDS)
12	FOUR (4) 64mm LONG GALVANIZED NAILS PER INTERSECTION
13	TWO (2) 64mm LONG GALVANIZED NAILS PER INTERSECTION
14	12mm Ø GALVANIZED MACHINE BOLTS (TYPICAL)



PATIO DECK/BOARDWALK SECTION - H > 600 2/6/6  
SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm



PATIO DECK/BOARDWALK SECTION - H <= 600 3/6/6  
SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm



PATIO DECK/BOARDWALK SINGLE STEP C.L. SECTION  
SCALE : 1:15  
0mm 500mm 1000mm 1500mm 2000mm

- NOTE(S):
- UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS.
  - DO NOT SCALE FROM DRAWINGS.
  - CONSTRUCT NEW BOARDWALK TO FOLLOW EXISTING SITE TOPOGRAPHY. INSTALL SINGLE STEPS/STAIRS AS REQUIRED.
  - HANDRAILING REQUIRED ON BOTH SIDES FOR ALL BOARDWALKS/PATIOS AT A HEIGHT GREATER THAN 600mm FROM SURROUNDING TOPOGRAPHY.
  - CONTRACTOR MAY CONSTRUCT BOARDWALKS IN PREFABRICATED SECTIONS AND TRANSPORT SECTIONS FOR INSTALLATION ON-SITE.

PROVINCE OF NEWFOUNDLAND AND LABRADOR  
PERMIT HOLDER  
This Permit Allows  
Meridian Engineering Inc.  
Member No. 04378  
To practice Professional Engineering in Newfoundland and Labrador.  
Permit No. as issued by PEG 10453 which is valid for the year 2017.



B	ISSUED FOR TENDER	17/10/02
A	ISSUED FOR 99% REVIEW	17/09/08

INFRASTRUCTURE UPGRADES - LOWER TERRA NOVA FISHWAY

NEW PATIO DECK/BOARDWALK SECTIONS & DETAILS

designed K.F. concu  
date SEPT. 8, 2017  
drawn M.L. dessine  
date SEPT. 8, 2017  
approved L.B. approuve  
date SEPT. 8, 2017  
Tender Soumission

DFO Project Manager Administrateur de projets MPD  
project number no. du projet  
F6879-179013

- NOTE(S):
- DO NOT SCALE FROM DRAWINGS.
  - ALL DIMENSIONS SHOWN ON DRAWINGS ARE IN MILLIMETERS. ALL ELEVATIONS AND STATIONS ARE IN METERS UNLESS NOTED OTHERWISE.
  - CONTRACTOR TO VERIFY ALL CRITICAL DIMENSIONS IN THE FIELD PRIOR TO START OF WORK AND NOTIFY DEPARTMENTAL REPRESENTATIVE ON ANY DISCREPANCIES.
  - CONTRACTOR SHALL TAKE ALL AS-BUILT MEASURES FOR ITEMS WHICH REQUIRE REMOVAL AND REINSTATEMENT TO MATCH THAT OF THE EXISTING CONDITIONS.
  - ALL NEW REINFORCING STEEL TO BE UNCOATED.
  - CONCRETE PROTECTIVE COVERING FOR NEW REINFORCING STEEL SHALL BE 75±12 OR AS NOTED ON THE DRAWINGS. THESE COVER REQUIREMENTS MAYBE SUBJECT TO CHANGE BY DEPARTMENTAL REPRESENTATIVE IN AREAS WHERE EXISTING REINFORCEMENT IS TO REMAIN IN PLACE AND NEW REINFORCEMENT IS TO BE TIE INTO EXISTING.
  - CONCRETE COVER TO BE 75mm ALL AREAS, ALL CONDITIONS.
  - MINIMUM 28 DAY CONCRETE STRENGTH = 35 MPa.
  - REINFORCING STEEL YIELD STRENGTH = 400 MPa.
  - BONDING AGENT TO BE "WELDCRETE" OR APPROVED EQUAL. BONDING AGENT TO BE APPLIED TO ALL CONCRETE/ROCK AND CONCRETE/CONCRETE INTERFACES.

PROVINCE OF NEWFOUNDLAND AND LABRADOR  
**PEO** PERMIT HOLDER  
 This Permit Allows  
**Meridian Engineering Inc.**  
 Member No. 04378  
 To practice Professional Engineering in Newfoundland and Labrador  
 Permit No. as issued by PEO: N0453  
 which is valid for the year 2017.

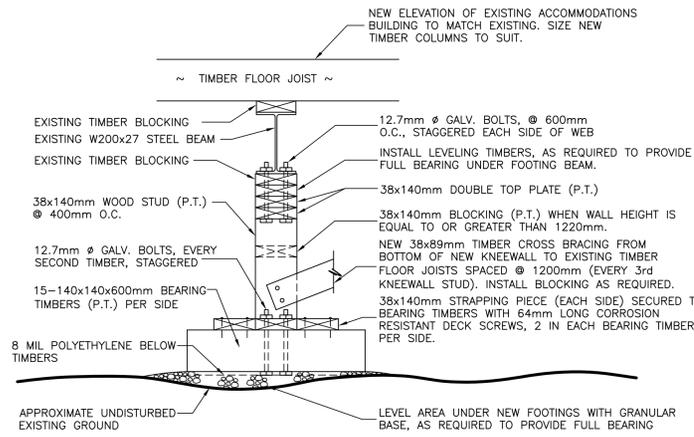


B	ISSUED FOR TENDER	17/10/02
A	ISSUED FOR 99% REVIEW	17/09/08
revisions		date
project		project

**INFRASTRUCTURE UPGRADES – LOWER TERRA NOVA FISHWAY**

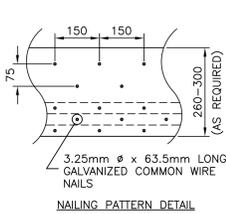
**MISCELLANEOUS DETAILS**

designed	K.F.	concu
date	SEPT. 8, 2017	
drawn	M.L.	desine
date	SEPT. 8, 2017	
approved	L.B.	approve
date	SEPT. 8, 2017	
Tender		Submission
DFO Project Manager	Administrateur de projets MPD	
project number	no. du projet	
<b>F6879-179013</b>		
drawing no.	no. du dessin	
<b>C7 OF 7</b>		

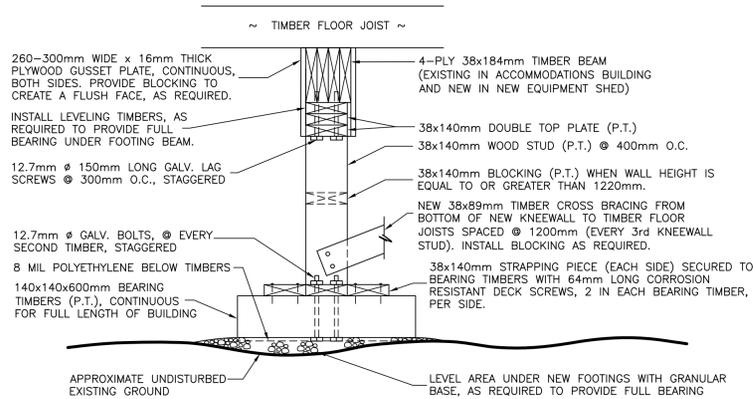


**PRESSURE TREATED FOUNDATION – STEEL BEAM** (1/4/7)

SCALE : 1:10  
 0mm 100 200 300 400 500 600 700 800 900 1000mm

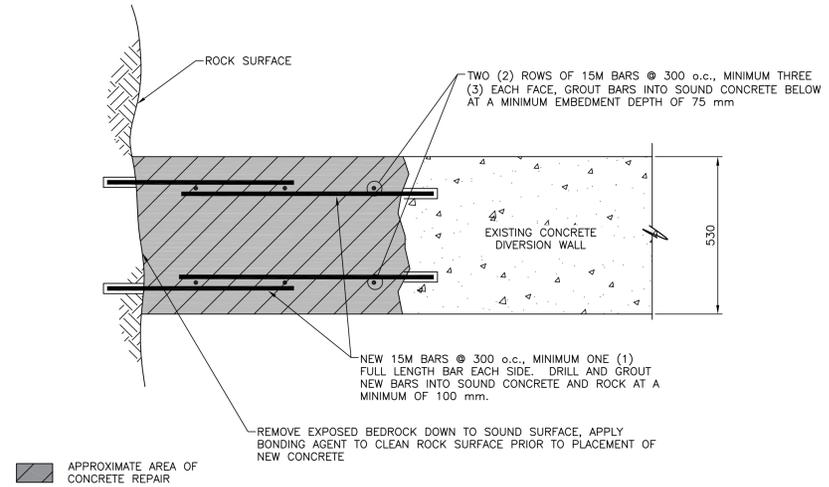


**NAILING PATTERN DETAIL**

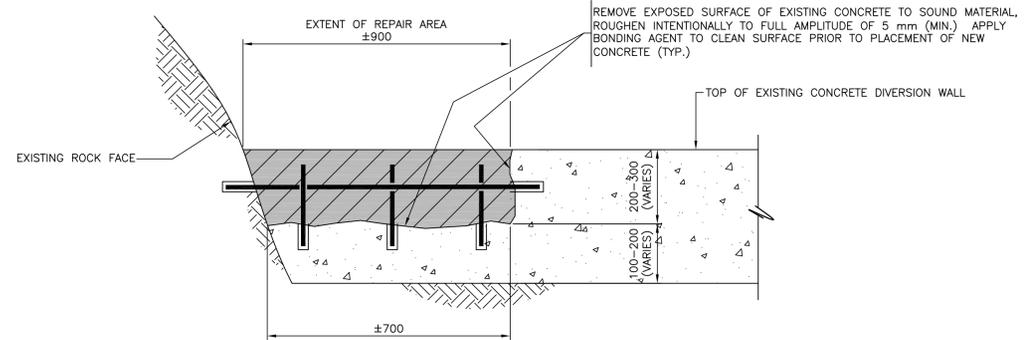


**PRESSURE TREATED FOUNDATION – TIMBER BEAM** (2/4/7) (2/5/7)

SCALE : 1:10  
 0mm 100 200 300 400 500 600 700 800 900 1000mm



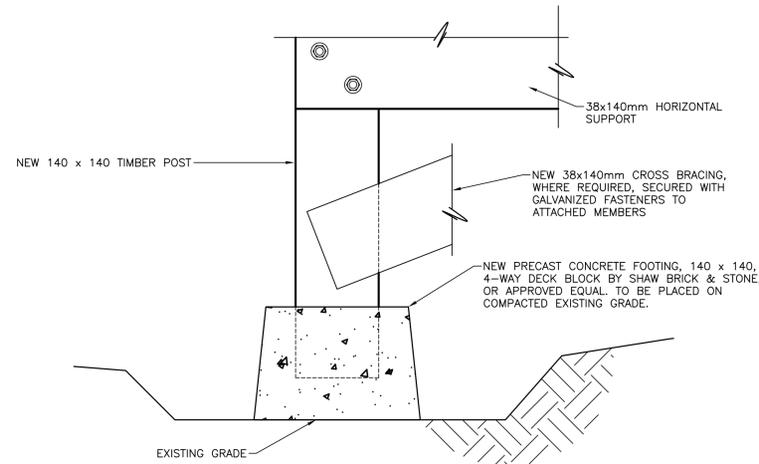
**PLAN VIEW**



**ELEVATION**

**DAMAGED DIVERSION WALL** (3/3/7)

SCALE : 1:10  
 0mm 100 200 300 400 500 600 700 800 900 1000mm



**FOOTING DETAIL – BOARDWALK** (4/6/7)

SCALE : 1:5  
 0mm 100mm 200mm 300mm 400mm 500mm