

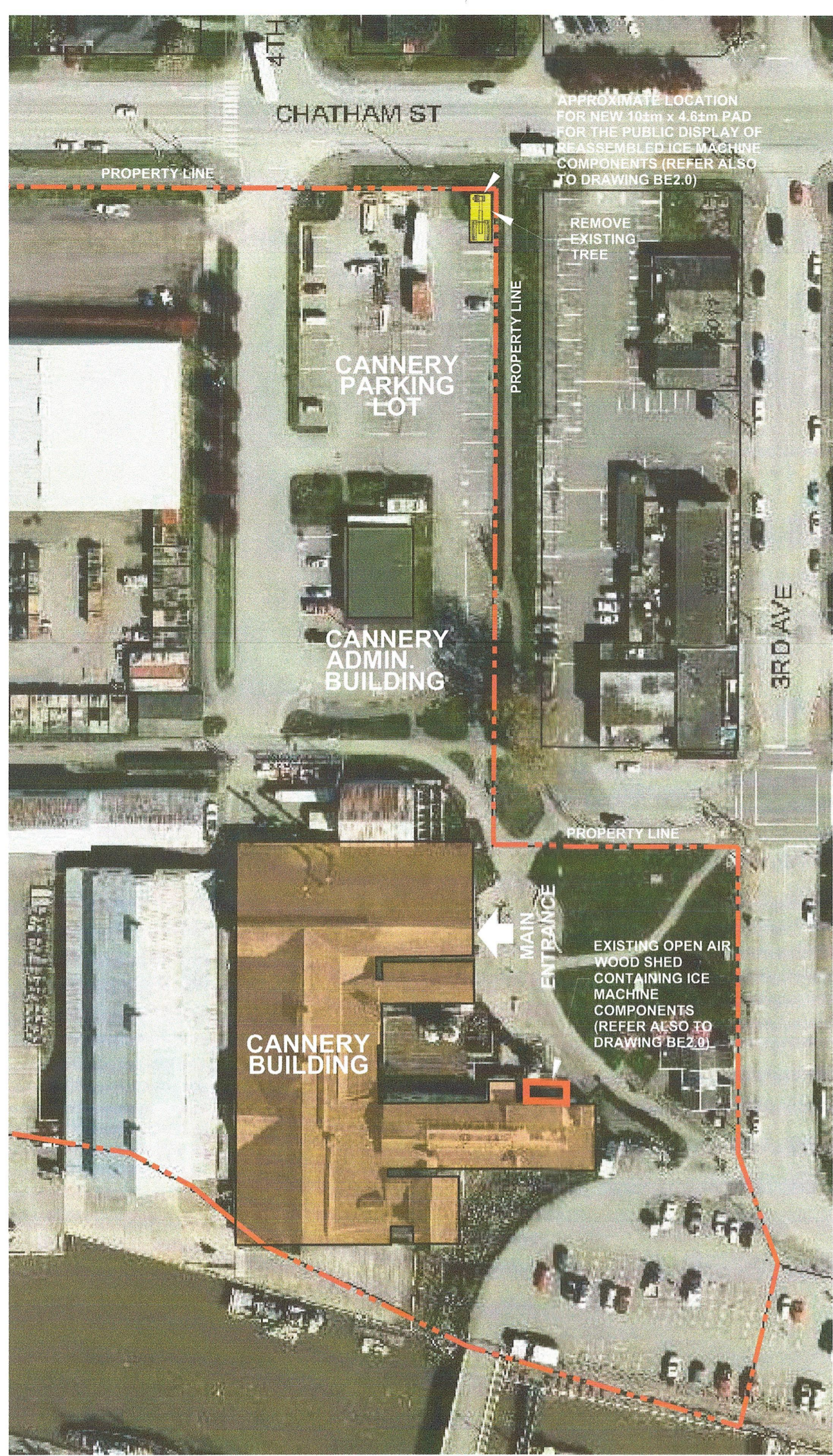
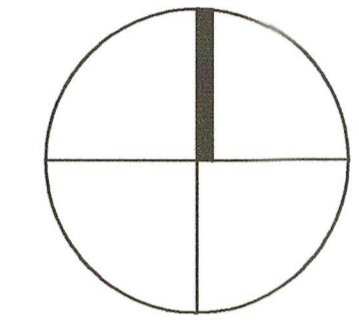
**PHASE 3 DRAWING  
LEGEND (PLANS)**

- - - - - DENOTES LOCATION OF PHASE 3 ELEMENTS TO BE REPAINTED
- - - - - DENOTES APPROX. LOCATION OF EXISTING AERIAL GUY WIRE. CONSULTANT TO CONDUCT STRUCTURAL REVIEW OF GUYING FROM PAINTING ACCESS
- DENOTES APPROX. LOCATION OF OWNER REPORTED ROOF LEAK
- DENOTES APPROX. LOCATION OF OWNER REPORTED WET WALL
- LOCATE SOURCE OF LEAK AND MAKE LOCALIZED CEDAR SHINGLE / METAL FLASHING REPAIRS AS REQUIRED. ANY NEW MATERIALS TO MATCH EXISTING.

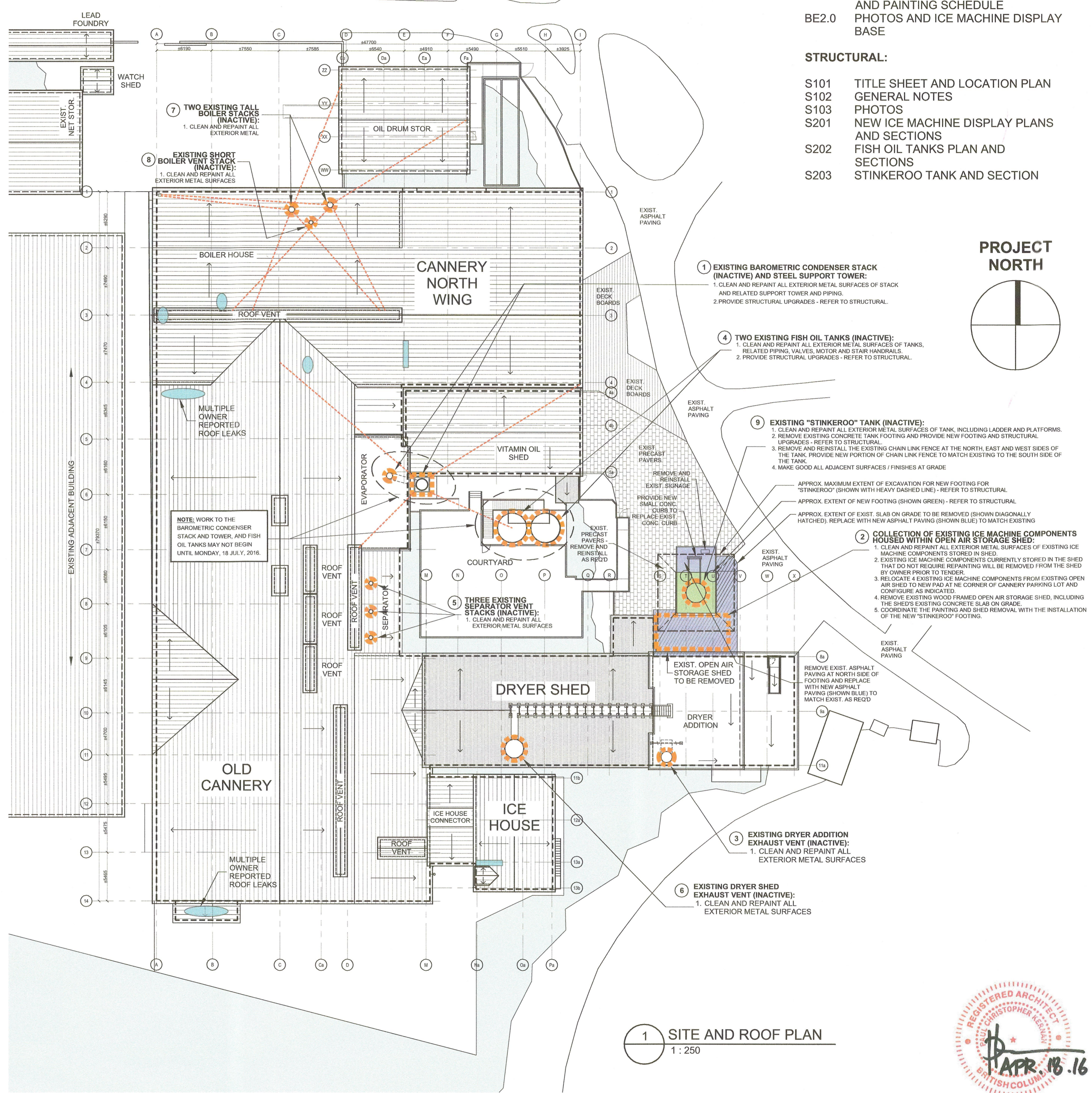
## LIST OF DRAWINGS:

- BUILDING ENCLOSURE:**
- BE1.0 SITE AND ROOF PLAN, AERIAL VIEW AND PAINTING SCHEDULE
  - BE2.0 PHOTOS AND ICE MACHINE DISPLAY BASE
- STRUCTURAL:**
- S101 TITLE SHEET AND LOCATION PLAN
  - S102 GENERAL NOTES
  - S103 PHOTOS
  - S201 NEW ICE MACHINE DISPLAY PLANS AND SECTIONS
  - S202 FISH OIL TANKS PLAN AND SECTIONS
  - S203 STINKEROO TANK AND SECTION

## PROJECT NORTH



**2 AERIAL VIEW  
N.T.S.**



PAINTING SCHEDULE					
ITEM NO.	ITEM	COLOUR	MPI ASSEMBLY	MINIMUM PREP	SUBSTRATE
1	BAROMETRIC CONDENSER - STACK	ALUMINUM	REX 5.1 Custom (A)	DSD 3	PAINTED STEEL
	BAROMETRIC CONDENSER - STEEL SUPPORT TOWER	ALUMINUM	REX 5.1 Custom (A)	DSD 3	PAINTED STEEL
2	ICE MACHINE - 1/2 FLYWHEEL	COLOURS AS DIRECTED BY OWNER	REX 5.1 Custom (B)	DSD 3	PAINTED STEEL
	ICE MACHINE - FLYWHEEL PISTON ARMATURE (TWO)	COLOURS AS DIRECTED BY OWNER	REX 5.1 Custom (B)	DSD 3	PAINTED STEEL
	ICE MACHINE - MOTOR AND DRIVE SHEAVE	COLOURS AS DIRECTED BY OWNER	REX 5.1 Custom (B)	DSD 3	PAINTED STEEL
3	DRYER ADDITION EXHAUST VENT	ALUMINUM	REX 5.3 Custom (A)	DSD 3	GALVANIZED STEEL
	FISH OIL TANKS	ALUMINUM	REX 5.1 Custom (A)	DSD 3	PAINTED STEEL
4	FISH OIL TANKS - METAL GUARDRAILS AT WOODEN STAIR	COLOUR AS DIRECTED BY OWNER	REX 5.1 Custom (B)	DSD 3	PAINTED STEEL
	FISH OIL TANKS - METAL PIPING AND RELATED VALVES	COLOURS AS DIRECTED BY OWNER	REX 5.1 Custom (B)	DSD 3	PAINTED STEEL
	FISH OIL TANKS - ELECTRIC MOTOR	COLOUR AS DIRECTED BY OWNER	REX 5.1 Custom (B)	DSD 3	PAINTED STEEL
5	SEPARATOR VENT STACKS	COLOUR AS DIRECTED BY OWNER	REX 5.3 Custom (B)	DSD 3	GALVANIZED STEEL
6	DRYER SHED EXHAUST VENT	ALUMINUM	REX 5.3 Custom (A)	DSD 3	GALVANIZED STEEL
6	DRYER SHED EXHAUST VENT - METAL PLATFORM AND GUARDRAIL	ALUMINUM	REX 5.3 Custom (A)	DSD 3	GALVANIZED STEEL (FIELD CONFIRM)
7	TALL BOILER STACKS	COLOUR AS DIRECTED BY OWNER	REX 5.3 Custom (B)	DSD 3	GALVANIZED STEEL
8	SHORT BOILER VENT STACK	COLOUR AS DIRECTED BY OWNER	REX 5.3 Custom (B)	DSD 3	GALVANIZED STEEL
9	"STINKEROO" TANK	ALUMINUM	REX 5.1 Custom (A)	DSD 3	PAINTED STEEL
	"STINKEROO" TANK - METAL PLATFORMS AND CAGED LADDER	ALUMINUM	REX 5.1 Custom (A)	DSD 3	PAINTED STEEL
	"STINKEROO" TANK - STRUCTURAL STABILIZATION POSTS	ALUMINUM	REX 5.1 Custom (A)	DSD 3	PAINTED STEEL

**3 PAINTING SCHEDULE  
N.T.S.**

4		
3		
2		
1		
0	ISSUED FOR TENDER	APR. 18, 2016
Revision /	Description / Description	Date / Date

Client / client  
**PARKS CANADA  
WESTERN REGION  
STEVESTON, B.C.  
NATIONAL HISTORIC SITE**

Project title / Titre du projet  
**GULF OF GEORGIA CANNERY  
BUILDING ENVELOPE REMEDIATION  
(PHASE 3)**

12138 Fourth Ave Richmond B.C.

Consultant Approval Box Only

Designed by / Conçue par  
PK

Drawn by / Dessiné par  
GR

PWGS.C. Project Manager / Administrateur de Projets TPBGC  
**TOM DUNPHY**

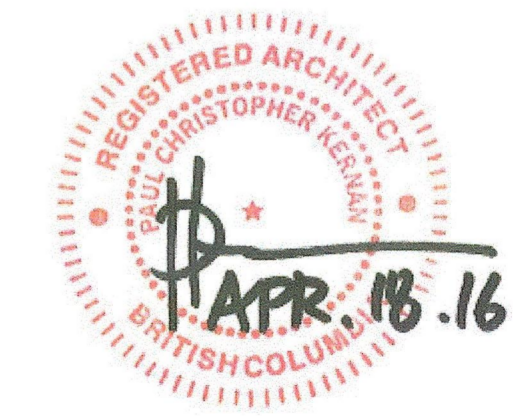
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Gestionnaire régional, Services d'architecture et de génie, TPBGC  
**PREETIPAL PAUL**

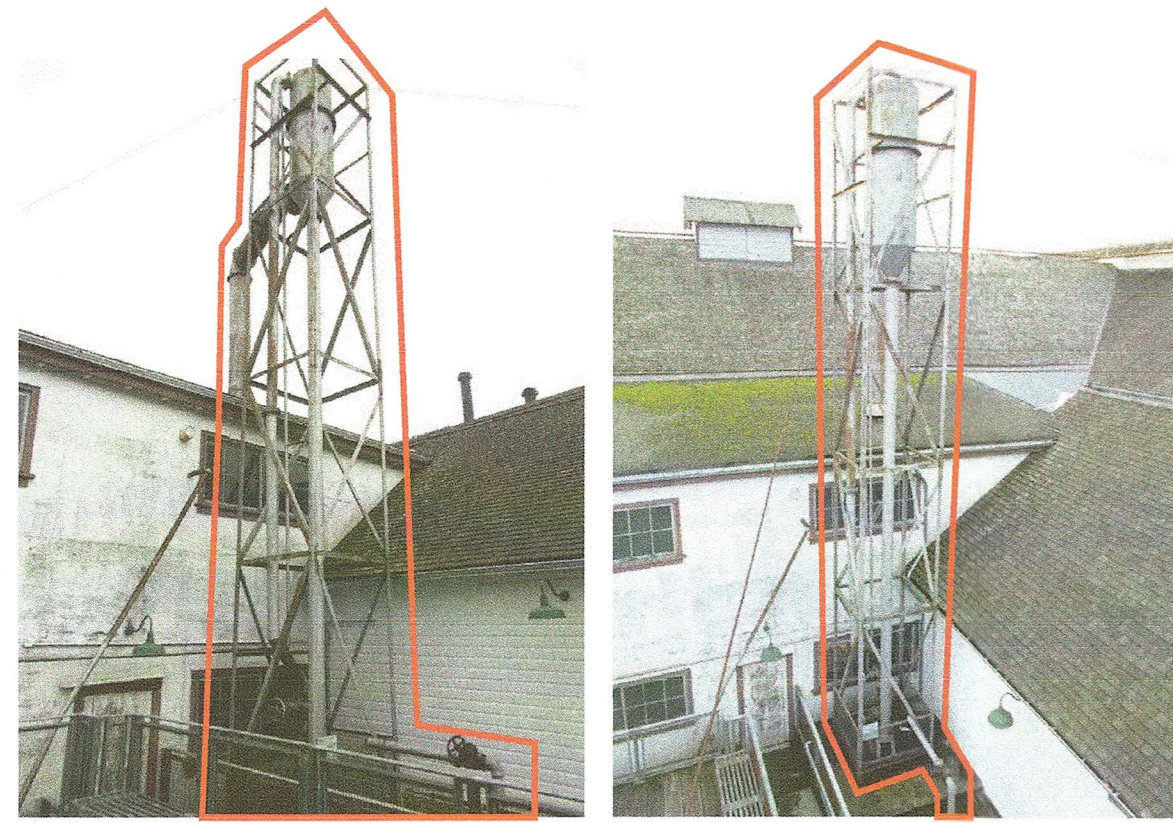
Drawing title / Titre du dessin  
**SITE AND ROOF PLAN, AERIAL VIEW  
AND PAINTING SCHEDULE**

Project no. / no. du Projet  
**R.060702.001**

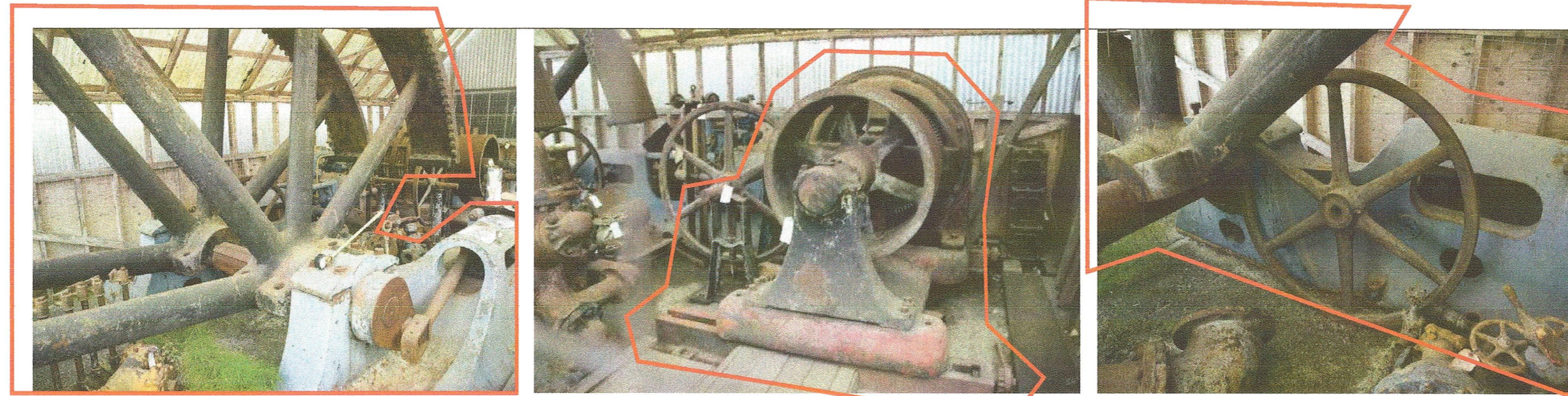
Sheet / Feuille  
**BE1.0**

Revision no. /  
Révision no.  
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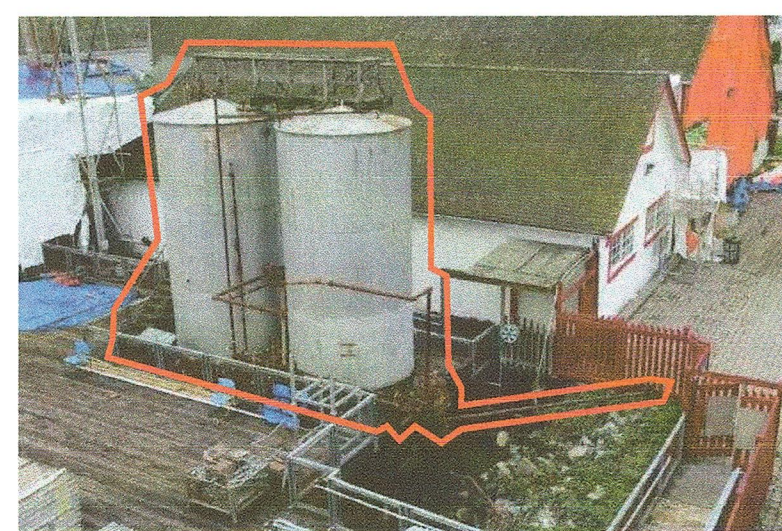
**1A** EXISTING BAROMETRIC CONDENSER STACK AND STEEL SUPPORT TOWER  
**1B** EXISTING BAROMETRIC CONDENSER STACK AND STEEL SUPPORT TOWER



**2A** COLLECTION OF EXISTING ICE MACHINE COMPONENTS HOUSED WITHIN OPEN AIR STORAGE SHED: (FLYWHEEL, BOTH HALVES, AND PISTON ARMATURE SHOWN)  
**2B** COLLECTION OF EXISTING ICE MACHINE COMPONENTS HOUSED WITHIN OPEN AIR STORAGE SHED: (DRIVE MOTOR AND SHEAVE SHOWN)  
**2C** COLLECTION OF EXISTING ICE MACHINE COMPONENTS HOUSED WITHIN OPEN AIR STORAGE SHED: (FLYWHEEL PISTON ARMATURE SHOWN)



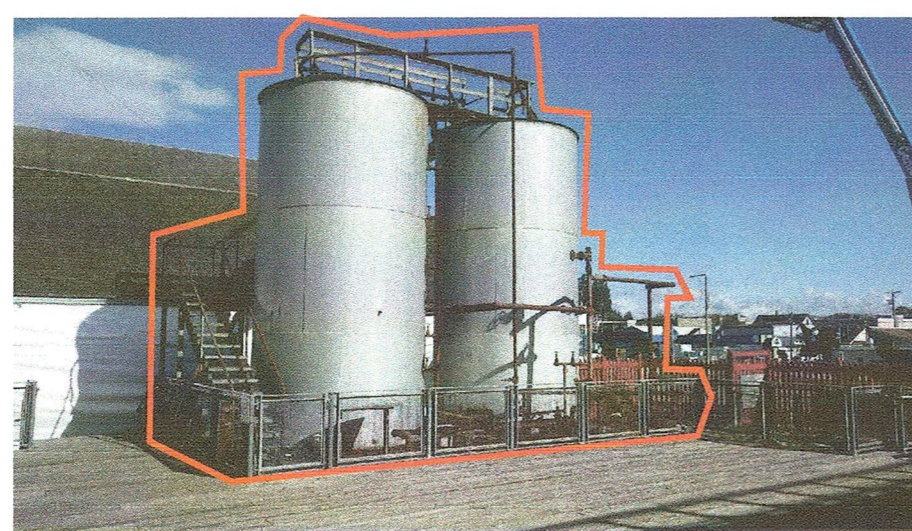
**3** EXISTING DRYER ADDITION EXHAUST VENT



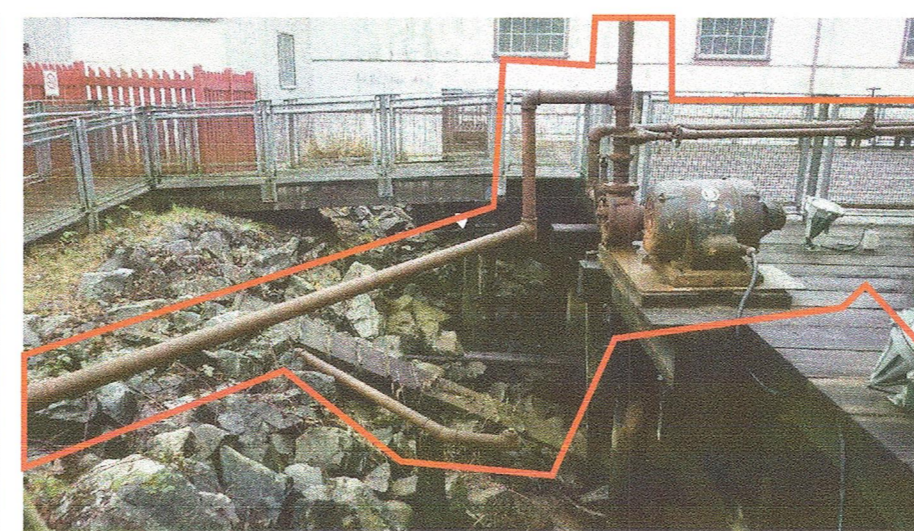
**4A** TWO EXISTING FISH OIL TANKS, RELATED PIPING, VALVES AND STAIR HANDRAILS.



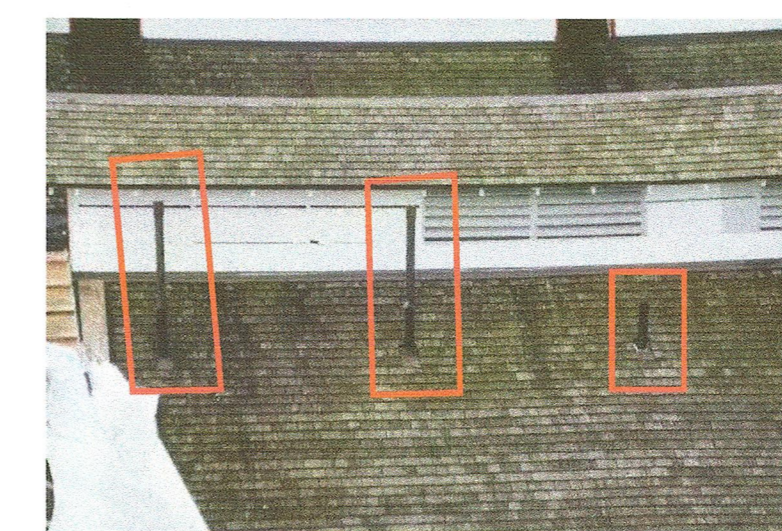
**4B** TWO EXISTING FISH OIL TANKS, RELATED PIPING, VALVES AND STAIR HANDRAILS.



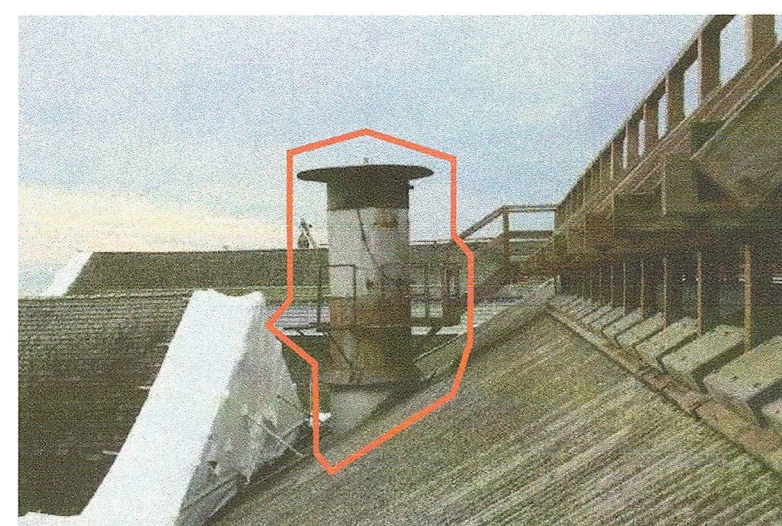
**4C** TWO EXISTING FISH OIL TANKS, RELATED PIPING, VALVES AND STAIR HANDRAILS.



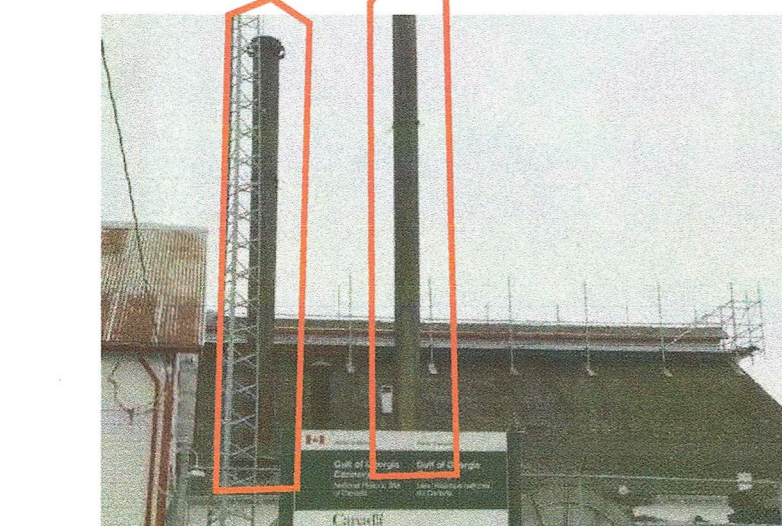
**4D** TWO EXISTING FISH OIL TANKS, RELATED PIPING, VALVES AND STAIR HANDRAILS.



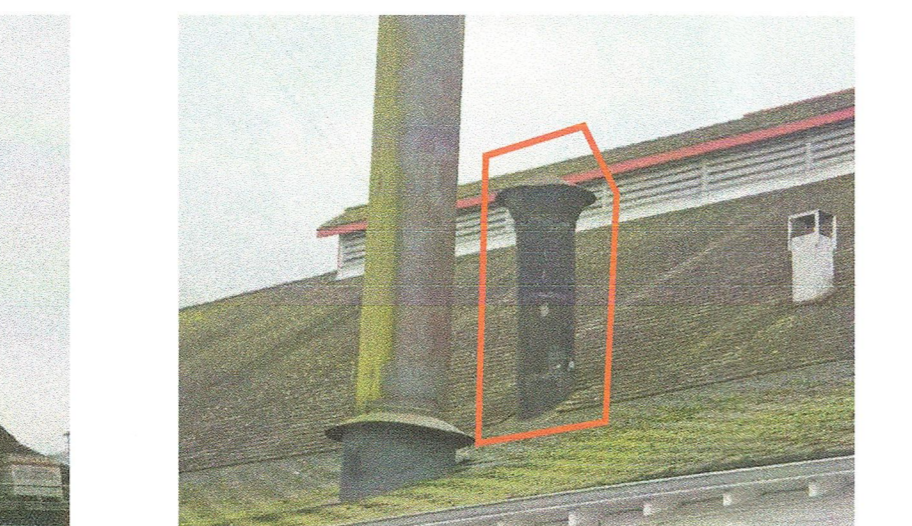
**5** THREE EXISTING SEPARATOR VENT STACKS:



**6** EXISTING DRYER SHED EXHAUST VENT:



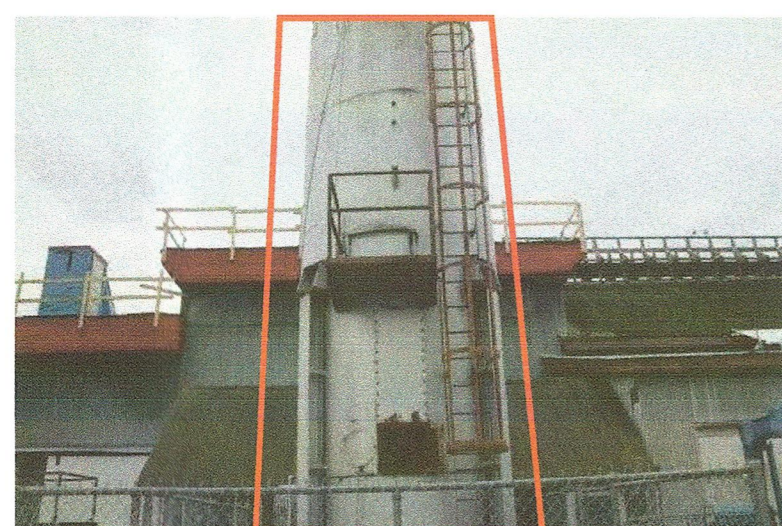
**7** TWO EXISTING TALL BOILER STACKS:



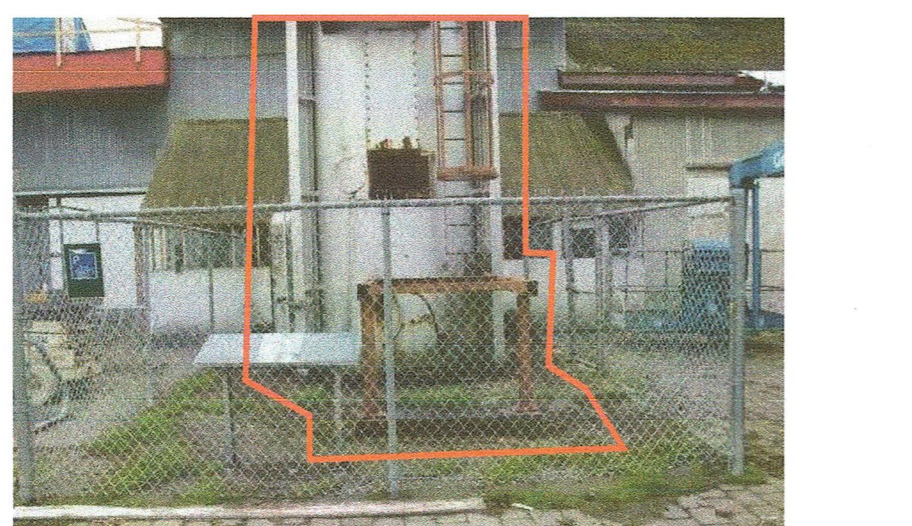
**8** EXISTING SHORT BOILER VENT STACK:



**9A** EXISTING "STINKEROO" TANK AND RELATED LADDER AND PLATFORMS



**9B** EXISTING "STINKEROO" TANK AND RELATED LADDER AND PLATFORMS



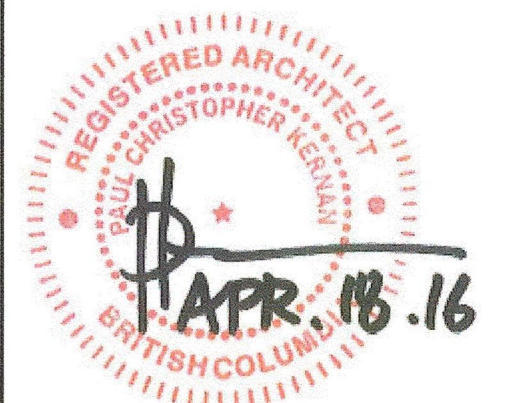
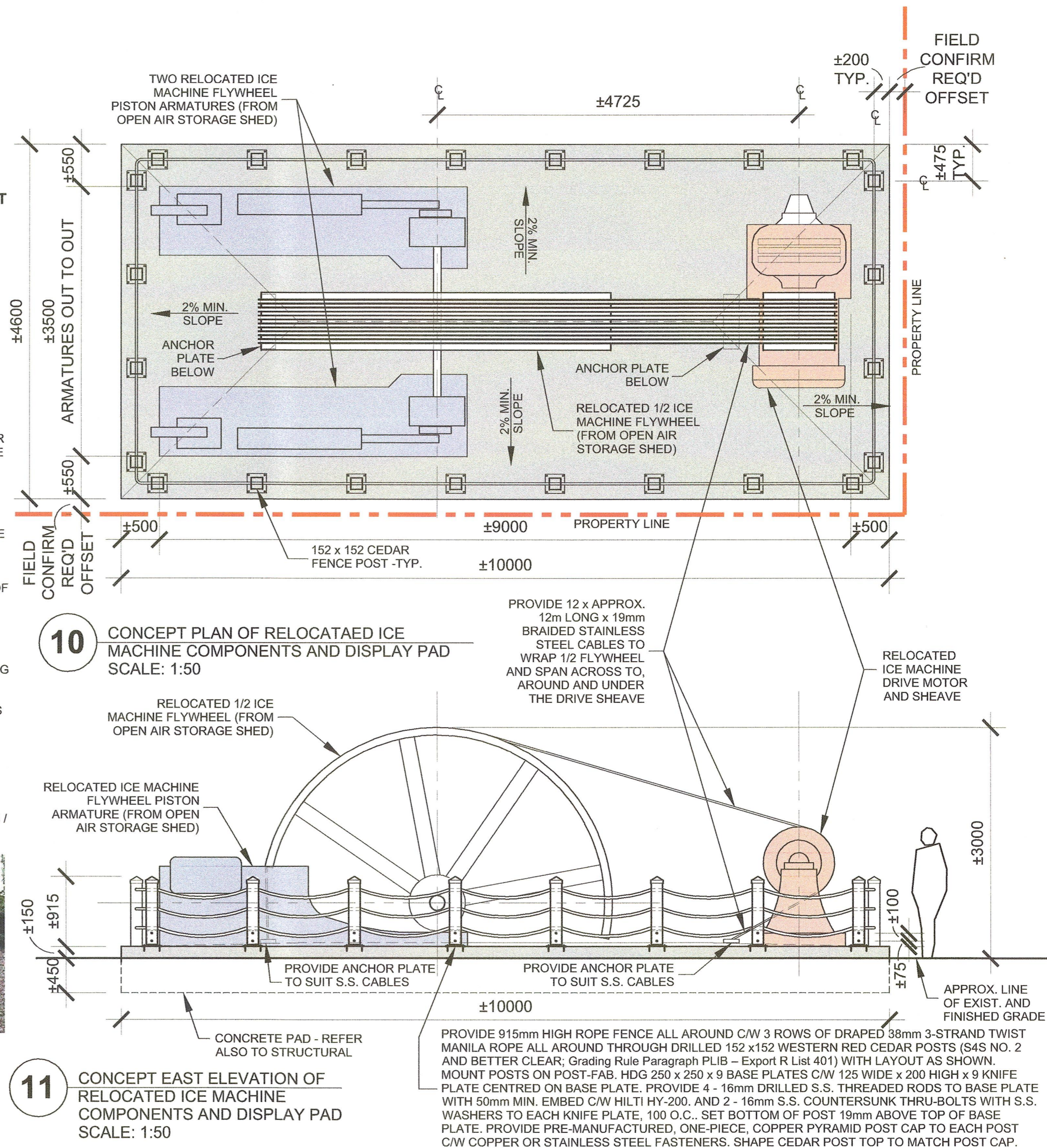
**9C** EXISTING "STINKEROO" TANK AND RELATED LADDER AND PLATFORMS

**NEW REINFORCED CONCRETE ICE MACHINE DISPLAY PAD:**

1. ENGAGE REGISTERED BCLS SURVEYOR TO LOCATE CORNER OF PROPERTY (NE CORNER OF PARKING LOT) AND MARK THE PROPERTY LINES.
2. REMOVE EXISTING TREE AT NORTHEAST CORNER OF CANNERY PARKING LOT.
3. PROVIDE NEW REINFORCED CONCRETE DISPLAY PAD AS INDICATED - REFER ALSO TO STRUCTURAL DRAWINGS. NOTE: THE FINAL OVERALL LENGTH, WIDTH, LOCATION AND ORIENTATION OF THE PAD TO BE CONFIRMED BY THE OWNER ON SITE.
4. FORM PAD WITH 2% MIN. SLOPE TO EDGE AS INDICATED.
5. RELOCATE THE 4 EXISTING ICE MACHINE COMPONENTS FROM EXISTING OPEN AIR SHED AS INDICATED. NOTE: THE EXACT CONFIGURATION AND PLACEMENT OF THESE 4 COMPONENTS ON THE PAD TO BE CONFIRMED BY OWNER ON SITE.
6. REFER TO STRUCTURAL FOR ANCHORING REQUIREMENTS FOR ICE MACHINE COMPONENTS. ANCHORING TO ALLOW FOR UNRESTRICTED PAD DRAINAGE BENEATH COMPONENTS.
7. MAKE GOOD ALL ADJACENT SURFACES / FINISHES AT GRADE.



**12** CONCEPT IMAGE FOR TYPICAL FENCE AROUND DISPLAY PAD



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Revision / Revision	Description / Description	Date / Date

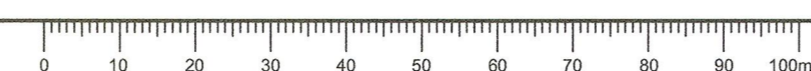
Client / client  
**PARKS CANADA**  
**WESTERN REGION**  
 STEVESTON, B.C.  
 NATIONAL HISTORIC SITE

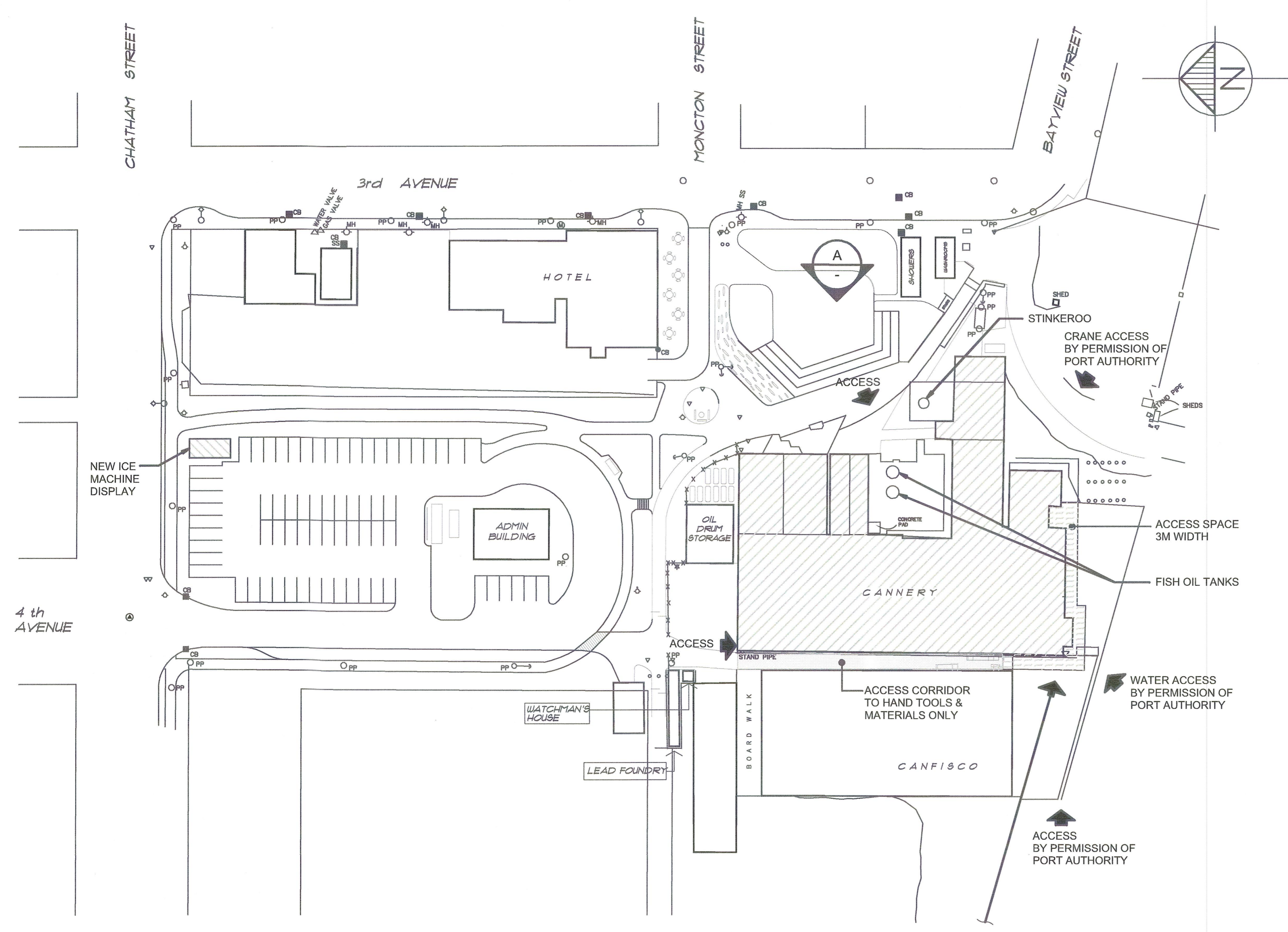
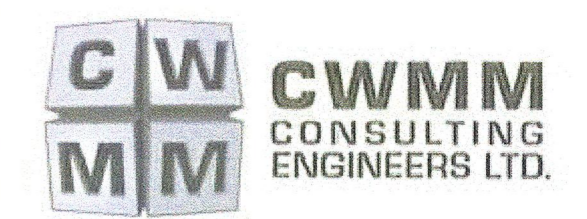
Project title / Titre du projet  
**GULF OF GEORGIA CANNERY BUILDING ENVELOPE REMEDIATION (PHASE 3)**  
 12138 Fourth Ave Richmond B.C.

Consultant Approval Box Only  
 Designed by / Conçue par  
 PK  
 Drawn by / Dessiné par  
 GR  
 PWGSC, Project Manager / Administrateur de Projets TPBGC  
 TOM DUNPHY  
 PWGSC, Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPBGC  
 PREETIPAL PAUL

Drawing title / Titre du dessin  
**PHOTOS AND ICE MACHINE DISPLAY BASE**

Project no. / no. du projet	Sheet / Feuille	Revision no. / no. de révision
R.060702.001	BE.2.0	





**SITE LOCATION PLAN**  
 SCALE: 1:750



**EAST ELEVATION** A

DRAWING LIST (STRUCTURAL)	
S101	TITLE SHEET AND SITE LOCATION PLAN
S102	GENERAL NOTES
S103	PHOTOS
S201	NEW ICE MACHINE DISPLAY PLANS & SECTIONS
S202	FISH OIL TANKS PLAN & SECTIONS
S203	STINKEROO TANK PLAN & SECTION

PROFESSIONAL ENGINEER  
 L. K. S. LAM  
 APRIL 18, 2016

Revision/Revisions	Description/Description	Date/Date
0	ISSUED FOR TENDER	APR 18 2016

A	A detail number / numéro de détail	A
B	B source drawing no. / de dessin no.	B/C
C	C detail on drawing no. / détail sur dessin no.	

Client/client  
**PARKS CANADA WESTERN REGION**  
 STEVESTON, B.C. NATIONAL HISTORIC SITE

Project title/Titre du projet  
**THE GULF OF GEORGIA CANNERY - BUILDING ENVELOPE REMEDIATION PHASE 3**  
 12138 Fourth Ave Richmond B.C.

Consultant Signature Only  
 Designed by/Concept par  
 LL  
 Drawn by/Dessiné par  
 JN  
 PWGSC Project Manager/Administrateur de Projets TPSCC  
**TOM DUNPHY**  
 Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architecture et de génie, TPSCC  
 PREETIPAL PAUL

Drawing title/Titre du dessin  
**TITLE SHEET AND SITE LOCATION PLAN**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
12392	R.060702.001	<b>S101</b>



**GENERAL**

- THIS SET OF DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE STRUCTURAL SPECIFICATIONS. ANY DISCREPANCIES NOTED SHALL BE REPORTED IMMEDIATELY FOR CLARIFICATION.
- THIS SET OF DRAWINGS SHOWS THE COMPLETED STRUCTURE AND DOES NOT SHOW WORK WHICH MAY BE REQUIRED FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR GENERAL SAFETY ON AND ABOUT THE JOB SITE DURING THE CONSTRUCTION PERIOD AND FOR DESIGN AND ERECTION OF ALL FALSEWORK, SHORING, BRACING ETC. TO ENSURE THE SAFETY OF ALL CONSTRUCTION TEMPORARY LOADS AND TO COMPLETE THE WORK. ALL TEMPORARY WORKS AND SHORING ETC. SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN BRITISH COLUMBIA. ADHERE STRICTLY TO ALL REQUIREMENTS OF THE WORKSAFE BRITISH COLUMBIA.
- THE REPAIR WORKS PROVIDED ARE TO MAINTAIN THE CAPACITIES OF EXISTING STRUCTURAL ELEMENTS AND TO MATCH OR CLOSELY MATCH THE ORIGINAL CAPACITIES. THERE IS NO REQUIREMENT TO UPGRADE THE EXISTING STRUCTURE TO MEET CURRENT CODE REQUIREMENTS.

**FIELD REVIEW:**

- DEPARTMENTAL REPRESENTATIVE PROVIDES FIELD REVIEW FOR THE WORK SHOWN ON THE STRUCTURAL DRAWINGS PREPARED BY STRUCTURAL CONSULTANT. THIS REVIEW IS A PERIODIC REVIEW AT THE PROFESSIONAL JUDGMENT OF DEPARTMENTAL REPRESENTATIVE. THE PURPOSE IS TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY STRUCTURAL CONSULTANT AND TO FULFILL THE REQUIREMENTS FOR THE COMPLETION OF LETTERS OF ASSURANCE REQUIRED BY THE APPLICABLE BUILDING CODE.
- ALL NON-CONFORMING WORKS THAT REQUIRE REMEDIAL ACTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY EXTRA TIME OR COST INCURRED TO STRUCTURAL CONSULTANT TO ASSIST OR ADVISE THE CONTRACTOR IN RECTIFYING THE WORK SHALL BE BORNE BY THE CONTRACTOR.
- ENSURE THAT WORK TO BE INSPECTED IS COMPLETE AT THE TIME OF INSPECTION AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ADDITIONAL INSPECTIONS REQUIRED DUE TO THE INCOMPLETE WORK OR POORLY EXECUTED WORK, AS JUDGED BY THE DEPARTMENTAL REPRESENTATIVE, AS WELL AS ADDITIONAL DESIGN OR REMEDIAL WORK CAUSED BY DEVIATIONS FROM THESE DRAWINGS MAY BE CHARGED TO THE GENERAL CONTRACTOR AT THE DISCRETION OF DEPARTMENTAL REPRESENTATIVE.
- A MINIMUM 24 HOURS NOTICE SHALL BE GIVEN BY THE CONTRACTOR FOR ANY INSPECTION TO BE CARRIED OUT BY DEPARTMENTAL REPRESENTATIVE.

**SHOP DRAWINGS:**

- DESIGNERS & MANUFACTURERS OF ALL STRUCTURAL ELEMENTS/COMPONENTS/CONNECTIONS SHALL SUBMIT COMPLETE SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO THE DEPARTMENTAL REPRESENTATIVES FOR REVIEW PRIOR TO FABRICATION. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS AND TO ALLOW MINIMUM TWO WEEKS FOR REVIEW. THIS SUBMISSION OR ITS REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR PROVIDING PROPER ENGINEERING DESIGN, METHODS, EQUIPMENT, WORKMANSHIP, SAFETY PRECAUTIONS AND PRIOR REVIEW OF THESE ELEMENTS. THE PROFESSIONAL ENGINEER SEALING THE SHOP DRAWINGS SHALL BE RESPONSIBLE FOR INSPECTION OF HIS DESIGN COMPONENTS FOR CONFORMANCE WITH HIS DESIGN AND SHOP DRAWINGS.
- THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL CONFIRM AND COORDINATE DIMENSIONS, LOCATIONS AND NUMBER OF THE STRUCTURAL ELEMENTS FOR WHICH SHOP DRAWINGS ARE TO BE PRODUCED.

**EXISTING STRUCTURES:**

- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL RELEVANT DIMENSIONS TO AND OF EXISTING STRUCTURES. NOTIFY THE DEPARTMENTAL REPRESENTATIVE IMMEDIATELY IF DISCREPANCIES ARE NOTED.
- THE EXISTING STRUCTURE IS A NATIONAL HISTORIC SITE. THE CONTRACTOR AND THEIR SUBTRADE PERSONNEL SHALL PAY UTMOST ATTENTION TO THE PRESERVATION OF ALL EXISTING ITEMS ON THIS SITE AT ALL TIMES DURING CONSTRUCTION. PRIOR TO THE COMMENCEMENT OF THIS PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE DEPARTMENTAL REPRESENTATIVE A LIST OF ALL PROPOSED PROTECTION MEASURES FOR HIS REVIEW. THIS LIST MUST IDENTIFY PROCEDURES FOR THE PROTECTION OF ADJACENT BUILDING MATERIALS AND ELEMENTS TO PREVENT ACCIDENTAL DAMAGE TO THIS NATIONAL HISTORIC SITE FOR THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL AT HIS OWN EXPENSE REPAIR AND MAKE GOOD ANY DAMAGE TO THE EXISTING STRUCTURE, EQUIPMENT AND FINISHES CAUSED BY THE CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY SUPPORT OF ANY ADJACENT EXISTING STRUCTURES DURING CONSTRUCTION. UNDERPINNING OR BRACING SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA. SUBMIT 4 COPIES OF SIGNED AND SEALED DESIGN DRAWINGS TO THE DEPARTMENTAL REPRESENTATIVES FOR REVIEW OF CONFORMANCE WITH GENERAL DESIGN CRITERIA.

**DESIGN LOADS:**

- THIS STRUCTURE HAS BEEN DESIGNED FOR SNOW, WIND AND SEISMIC FORCES IN SUBSTANTIAL COMPLIANCE WITH THE PROVISIONS SET FORTH IN THE NBC 2010. IMPORTANT CATEGORY=NORMAL (AS PER OWNER'S REQUIREMENT).

GROUND SNOW: RAIN LOAD:	Ss = 1.5 kPa Sr = 0.2 kPa								
IMPORTANCE FACTORS FOR SNOW	Is = 1.0 FOR STRENGTH Is = 0.9 FOR SERVICEABILITY								
WIND LOAD:	PROBABILITY 1/10 = 0.35 kPa PROBABILITY 1/50 = 0.45 kPa								
IMPORTANCE FACTORS FOR WIND	Iw = 1.0 FOR STRENGTH Iw = 0.75 FOR SERVICEABILITY								
EARTHQUAKE FACTORS:	<table border="1"> <tr> <td>Sa(0.2)</td> <td>Sa(0.5)</td> <td>Sa(1.0)</td> <td>Sa(2.0)</td> </tr> <tr> <td>1.042</td> <td>0.698</td> <td>0.348</td> <td>0.177</td> </tr> </table>	Sa(0.2)	Sa(0.5)	Sa(1.0)	Sa(2.0)	1.042	0.698	0.348	0.177
Sa(0.2)	Sa(0.5)	Sa(1.0)	Sa(2.0)						
1.042	0.698	0.348	0.177						
	Ie = 1.0 FOR STRENGTH Ie = 1.0 FOR SERVICEABILITY (CLAUSE 4.1.8.13 FOR SERVICEABILITY)								
	Fa = 1.0      Fv = 1.0 Rd = 1.5      Ro = 1.5								
SITE CLASS E									

**2. SPECIFIED UNIFORM SUPERIMPOSED DEAD LOADS ON ROOF AND FLOORS:**

MAIN FLOOR	1.25 kPa
- MAIN FLOOR LOADS INCLUDE GENERAL PARTITION LOAD OF 1.0kPa AND NON-STRUCTURAL CONCRETE TOPPING. FOR MASONRY PARTITIONS, ACTUAL WEIGHTS SHALL BE USED.	
- THESE LOADS DO NOT INCLUDE SELFWEIGHT OF STRUCTURE, WEIGHT OF MASONRY PARTITIONS, WEIGHTS OF MECHANICAL EQUIPMENT AND CONCRETE EQUIPMENT PADS.	
3. SPECIFIED UNIFORM LIVE LOADS ON FLOORS:	
MAIN FLOOR	4.8 kPa
4. DESIGN SPECIFIED CONCENTRATED LIVE LOADS ON FLOOR:	
FLOOR	1.3 kN
5. WORST CASE OF UNIFORM OR CONCENTRATED LIVE LOADS WILL BE USED FOR DESIGN OF STRUCTURAL MEMBERS.	

**CONSTRUCTION LOADS:**

- CONSTRUCTION LOADS ON EXISTING STRUCTURES MUST NOT EXCEED THE LOAD CARRYING CAPACITY OF THE STRUCTURE AT THE TIME OF THE LOADING UNLESS IT IS PROPERLY SHORED TO SUPPORT THE INTENDED LOAD. MOVING OF HEAVY EQUIPMENT AND PILING UP OF MATERIAL SHALL NOT BE PERMITTED UNLESS DESIGNED SHORING IS IN PLACE.

**UPGRADE WORK AND EXECUTION OF SITE WORK**

- REPAIR WORK SHALL BE CARRIED OUT IN THE SEQUENCE APPROVED BY DEPARTMENTAL REPRESENTATIVES.
- REFER TO SPECIFICATIONS FOR PAINTING REQUIREMENTS.
- REFER TO NOTE 4 OF "EXISTING STRUCTURES" IN THIS PAGE.

**FOUNDATION AND SITE WORK**

- REFER TO GEOTECHNICAL REPORT PREPARED BY JECTH CONSULTANTS INC. DATED OCTOBER 06, 2015 AND ALL ITS SUPPLEMENTS AND AMENDMENTS FOR EXCAVATION, BACKFILLING, FILL MATERIALS, COMPACTION, FROST PROTECTION AND OTHER SITE PREPARATION REQUIREMENTS NOT SHOWN ON THESE DRAWINGS.
- ASSUMED DESIGN SOIL BEARING CAPACITIES: (TO BE CONFIRMED DURING CONSTRUCTION)  
PAD / STRIP FOOTINGS      SLS = 95 kPa      ULS = 140 kPa      ULS (SEISMIC) = 190 kPa
- ANY FOOTING ELEVATIONS INDICATED ON THE DRAWINGS ARE GENERAL AND SHALL BE USED FOR ESTIMATING AND BIDDING PURPOSES. FOOTINGS MAY HAVE TO BE PLACED AT DIFFERENT ELEVATIONS AS A RESULT OF LOCAL SOILS CONDITIONS, UNDERGROUND SERVICES AND TO ACCOMMODATE OTHER MECHANICAL AND ELECTRICAL SERVICES. FOLLOW TYPICAL DETAILS SHOWN ON THESE DRAWINGS FOR FOOTING PLACEMENT RELATIVE TO ADJACENT FOOTINGS, SUMP AND OTHER EXCAVATED STRUCTURES AND LOCATE AS DIRECTED BY GEOTECHNICAL ENGINEER.
- THE BASES OF FOUNDATIONS SHALL BE PROTECTED FROM RAIN, SNOW AND ANY WATER INFILTRATION.
- NO FOUNDATIONS MAY BE POURED BEFORE THE BEARING MATERIAL HAS BEEN INSPECTED BY THE GEOTECHNICAL ENGINEER. NOTIFY THE GEOTECHNICAL ENGINEER MINIMUM 24 HOURS BEFORE INSTALLATION OF FOOTING REINFORCEMENT.
- IMMEDIATELY AFTER INSPECTION AND APPROVAL BY THE GEOTECHNICAL ENGINEER, THE BEARING SURFACE SHALL BE COVERED BY A 50mm THICK CONCRETE GROUND SEAL OF 10MPa STRENGTH.
- COORDINATE CONSTRUCTION WITH UNDERSLAB SERVICES AS SHOWN ON MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DRAWINGS.
- REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SITE DRAINAGE, GROUND ELEVATIONS AND DRAINAGE SLOPES.
- CENTRE ALL FOOTINGS UNDER COLUMNS OR WALLS UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING AND SEALING REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY SUPPORT OF THE ADJACENT STRUCTURE DURING CONSTRUCTION. UNDERPINNING OR BRACING SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN BRITISH COLUMBIA. SUBMIT 4 COPIES OF DESIGN DRAWINGS, SEALED BY A PROFESSIONAL ENGINEER, TO THE ARCHITECT FOR REVIEW OF CONFORMANCE WITH GENERAL DESIGN CRITERIA.

**CONCRETE REINFORCING:**

- REFER TO SPECIFICATIONS FOR CONCRETE STRENGTH, EXPOSURE CLASS & OTHER REQUIREMENTS.
- REINFORCING BARS fy=400 MPa. ALL DOWELS ANCHOR BOLTS AND INSERTS SHALL BE PLACED BEFORE THE CONCRETE IS POURED.
- PROVIDE MINIMUM CONCRETE COVER TO REINFORCEMENT AS FOLLOWS:  
CAST AGAINST EARTH      75mm  
EXPOSED TO EARTH OR WEATHER:      50mm  
ELSEWHERE:      40mm

**STRUCTURAL STEEL**

- CODE CONFORMANCE:  
GENERAL STEELWORK AND DESIGN      CAN/CSA-S16-09  
GENERAL REQUIREMENTS      CSA-G40.20  
STEEL QUALITY      CSA-G40.21  
SHOP PRIMER      CISC/CPMA 1-73A  
WELDING      CSA-W59
- GRADES OF MATERIALS:  
HOLLOW STRUCTURAL STEEL (HSS)      350W, CLASS C (ASTM A500)  
OTHER STRUCTURAL STEEL AND MISC. METAL      300W  
BOLTS, NUTS AND WASHERS      ASTM A325  
ANCHOR BOLTS      ASTM A307
- CONFIRM ALL LOCATIONS, DIMENSIONS AND ELEVATIONS WITH ACTUAL SITE MEASUREMENTS BEFORE FABRICATION.

**FABRICATION:**

- WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS. FABRICATION SHOPS SHALL BE APPROVED BY THE CANADIAN WELDING BUREAU TO CSA-W47.1 (DIVISION 1 OR 2). CERTIFICATIONS SHALL BE SUPPLIED TO THE ENGINEER UPON REQUEST.
- IMPERIAL SIZE BOLTS AND PLATE PRODUCTS ARE ACCEPTABLE ON AN EQUAL SIZE - EQUAL STRENGTH BASIS.
- UNLESS NOTED OTHERWISE, ALL NEW STRUCTURAL STEEL INCLUDING FASTENERS SHALL BE GALVANIZED ACCORDING TO THE SPECIFICATION REQUIREMENT.

**ERECTION:**

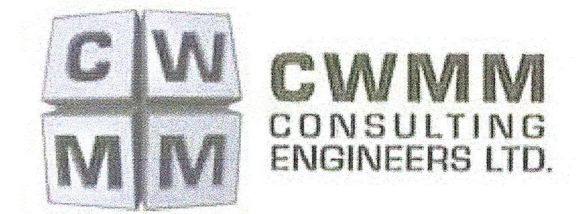
- ANY MISFIT OR MISALIGNMENT MUST BE REPORTED TO DEPARTMENTAL REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE PROPOSED REMEDIAL MEASURES TO DEPARTMENTAL REPRESENTATIVE FOR REVIEW AND APPROVAL. ANY REMEDIAL WORK ON CONNECTIONS MUST BE REVIEWED AND/OR REDESIGNED BY THE CONNECTION ENGINEER. COSTS OF REMEDIAL WORK ARE AT THE EXPENSE OF THE CONTRACTOR.
- BOLTS, WELDS AND BURNED OR SCRATCHED SURFACES SHALL BE TOUCHED UP WITH ZINC-RICH PAINT AT COMPLETION OF ERECTION.
- DO NOT NOTCH OR CUT OPENINGS IN ANY OF THE FRAMING MEMBERS AND CONNECTIONS WITHOUT PRIOR APPROVAL FROM DEPARTMENTAL REPRESENTATIVE.
- PROVIDE TEMPORARY BRACING TO STRUCTURE FOR STABILITY AND SAFETY UNTIL ALL OTHER STRUCTURAL ASSEMBLIES ARE INSTALLED.

**WOOD PRODUCTS**

- CODE CONFORMANCE      CAN/CSA-086-09
- GRADES  
ROUGH TIMBER      P.T.INCISED D.FIR-L NO.1
- ALL NEW INSTALLED WOOD FOR EXTERIOR USE U.N.O. SHALL BE TREATED USING PRESERVATIVE SPECIFIED IN CSA 080 CLAUSE 9.8 UL5A FOR WOOD PRESERVATIVE & HYDROCARBON SOLVENTS FOR PRESERVATIVES.
- ALL EXISTING TIMBER DIMENSIONS, SPACING, AND LOCATIONS SHALL BE CONFIRMED ON SITE.
- ALL NAILS AND BOLTS TO BE MARINE GRADE STAINLESS STEEL.

**ABBREVIATIONS**

A.BOLT	ANCHOR BOLT	L.V.	LENGTH VARIES
ALT.	ALTERNATE	LG.	LONG
ARCH.	ARCHITECTURAL	LL	LOW LEVEL
BLDG.	BUILDING	LLV	LONG LEG VERTICAL
BOT.	BOTTOM	LLH	LONG LEG HORIZONTAL
BTW.	BETWEEN	LONG.	LONGITUDINAL
C/C	CENTER TO CENTER	MAX.	MAXIMUM
C/W	COMPLETE WITH	MECH.	MECHANICAL
C.I.P.	CAST IN PLACE	MIN.	MINIMUM
CANT.	CANTILEVER	NA	NOT AVAILABLE
CL.	CLEAR	N.S.	NEAR SIDE
COL.	COLUMN	N.STUD	NELSON STUD
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
CONT.	CONTINUOUS	O/C	ON CENTRES
DL	DEAD LOAD	OPP.	OPPOSITE HAND
DN	DOWN	OWSJ	OPEN WEB STEEL JOIST
DO	DITTO	P.C.	PRECAST CONCRETE
DP.	DEEP	PL.	PLATE
DWG.	DRAWING	PLY.	PLYWOOD
E.W.	EACH WAY	PROJ.	PROJECTION
E.F.	EACH FACE	P.T.	PRESSURE TREATED
ELEC.	ELECTRICAL	REINF.	REINFORCING
ELEV.	ELEVATION	R/W	REINFORCED WITH
EXIST.	EXISTING	S.O.G.	REINFORCED CONCRETE
EXT.	EXTERIOR	SIM.	SIMILAR
FL.	FLOOR	STAGG.	STAGGERED
F.S.	FAR SIDE	T&B	TOP AND BOTTOM
FDN.	FOUNDATION	T&G	TONGUED & GROOVED
FTG.	FOOTING	T.O.C/S	TOP OF CONCRETE/STEEL
G.L.	GRID LINE	THK.	THICK
GALV.	GALVANIZED	TJ	TIE JOIST
H1E	HOOK ONE END	TRAN.	TRANSVERSE
H2E	HOOK TWO ENDS	TYP.	TYPICAL
HL	HIGH LEVEL	UIS	UNDERSIDE
HORIZ.	HORIZONTAL	U.N.O.	UNLESS NOTED OTHERWISE
H.D.G.	HOT DIP GALVANIZED	VERT.	VERTICAL
INT.	INTERIOR		



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Revision/	Description/Description	Date/Date

A	A detail number	A
C	B source drawing no. de dessin no.	B/C
	C detail on drawing no. detail sur dessin no.	

Client/client  
**PARKS CANADA WESTERN REGION**  
STEVESTON, B.C. NATIONAL HISTORIC SITE

Project title/Titre du projet  
**THE GULF OF GEORGIA CANNERY-BUILDING ENVELOPE REMEDIATION PHASE 3**  
12138 Fourth Ave Richmond B.C.

Consultant Signature Only  
Designed by/Concepi par LL  
Drawn by/Dessine par JN  
PWGSC Project Manager/Administrateur de Projets TPSGC  
**TOM DUNPHY**  
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSGC  
PREETIPAL PAUL  
Drawing title/Titre du dessin

**GENERAL NOTES**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.060702.001	<b>S102</b>	

12392



April 19, 2016





STINKEROO - 1



STINKEROO - 2



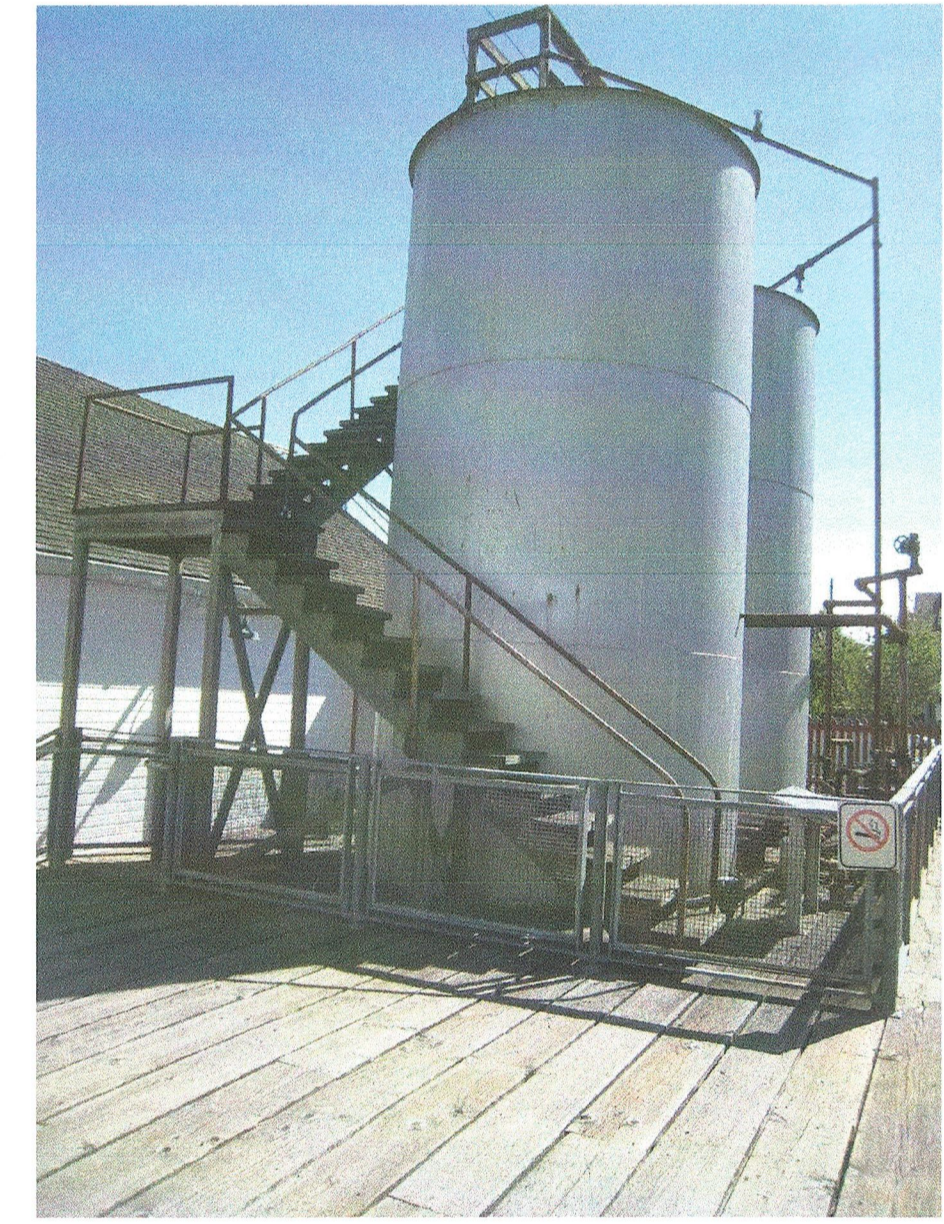
STINKEROO - 3



STINKEROO - 4



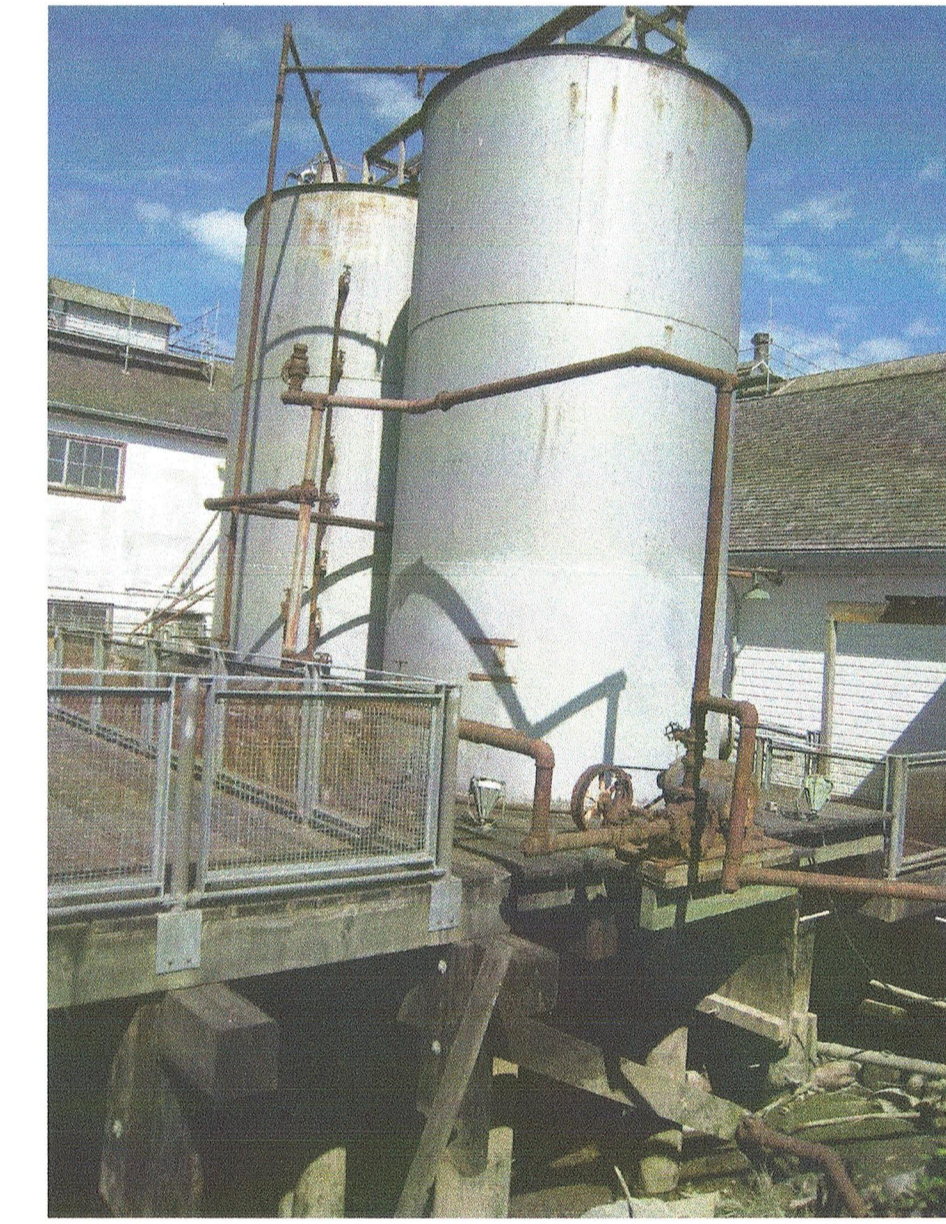
FISH OIL TANKS - 1



FISH OIL TANKS - 2



FISH OIL TANKS - 3



FISH OIL TANKS - 4



FISH OIL TANKS - 5



FISH OIL TANKS - 6


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 12138 Fourth Ave Richmond B.C.

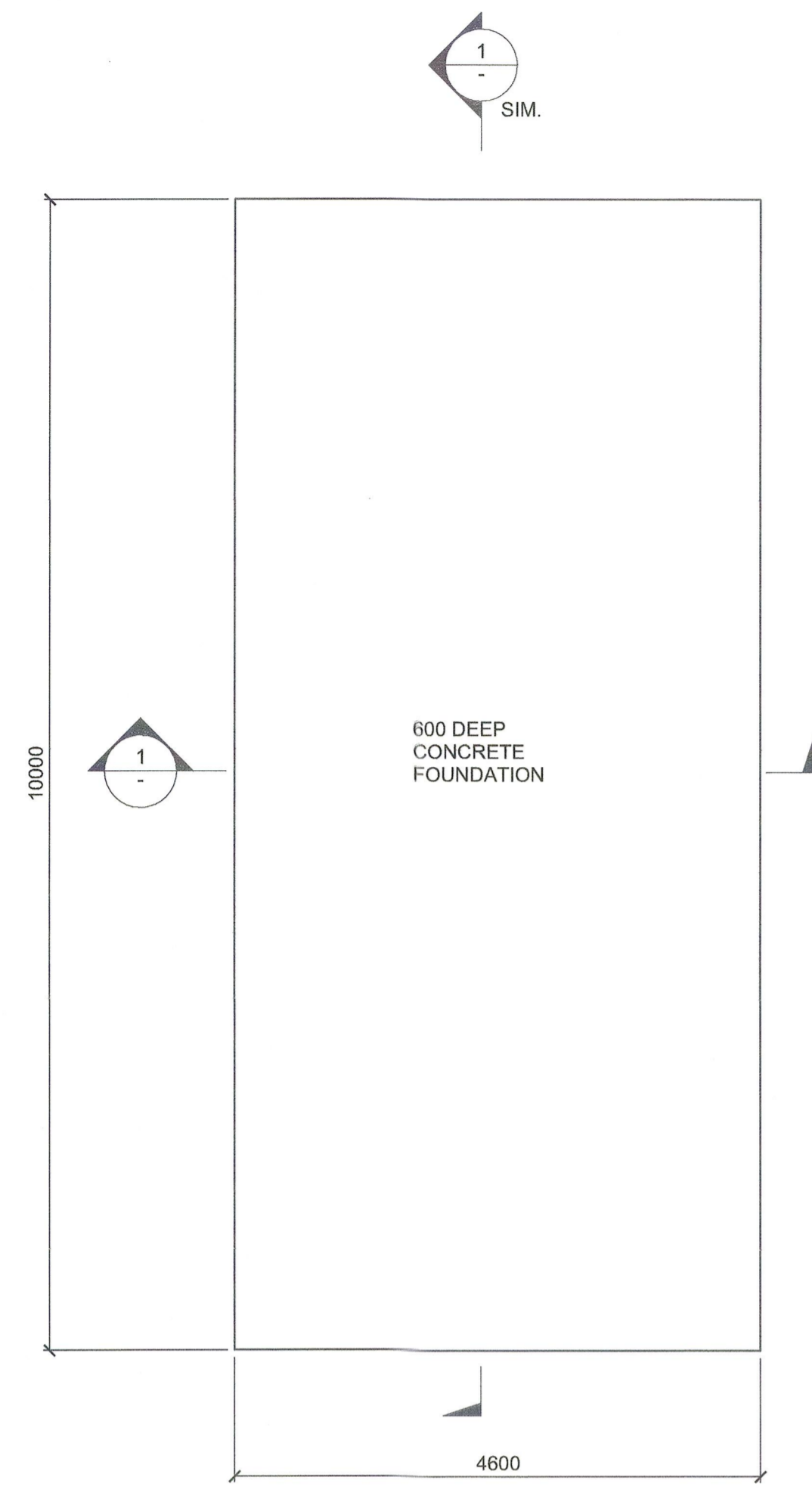
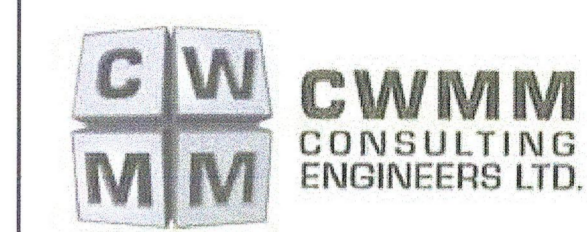
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 Drawn by/Dessiné par JN  
 PWSC Project Manager/Administrateur de Projets TPSCG  
**TOM DUNPHY**  
 Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architectural et de génie, TPSCG  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**PHOTOS**

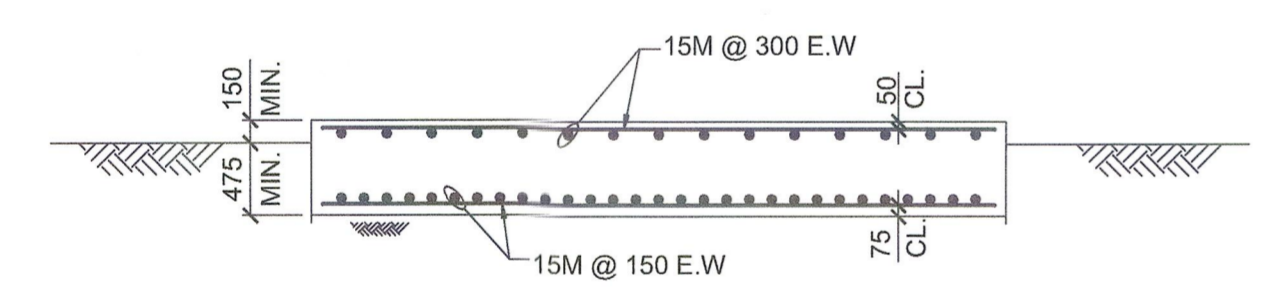
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
12392	R.060702.001	<b>S103</b>

PROFESSIONAL ENGINEER  
 A. K. S. LAM  
 APRIL 18, 2016



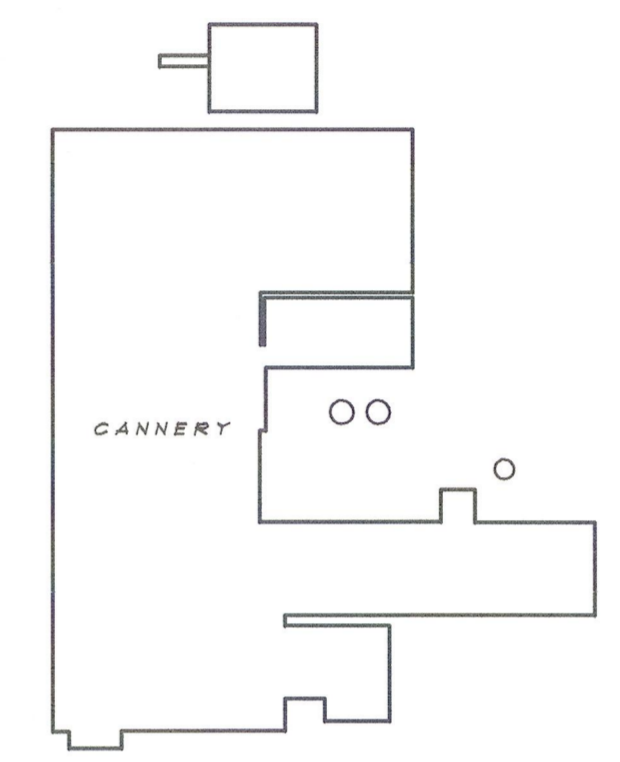
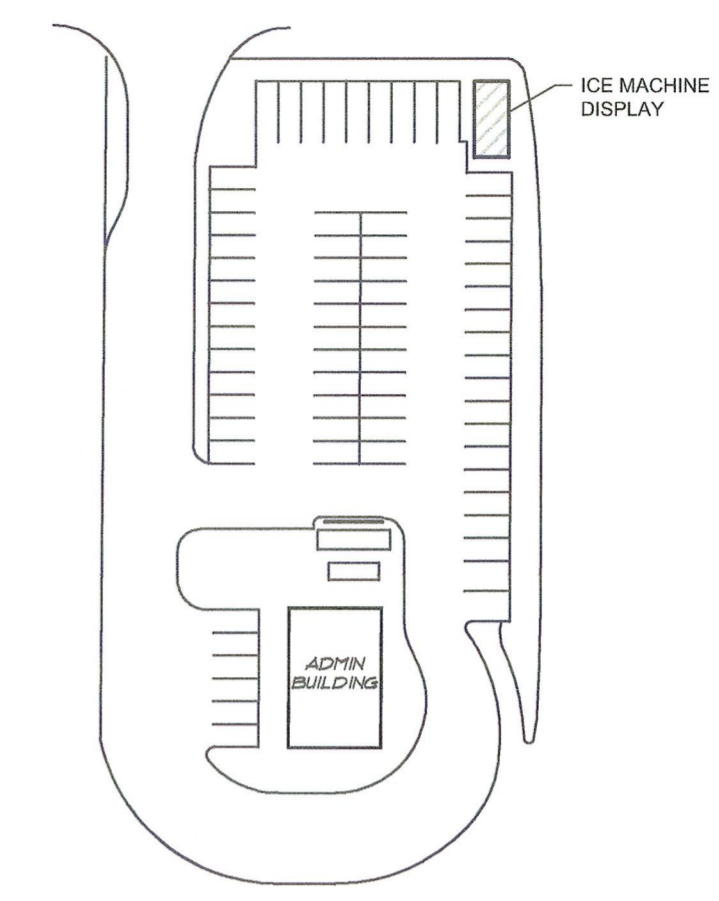


FOUNDATION & FLOOR PLAN  
1:50



SECTION 1-1  
1:50

REFER TO ARCH. FOR SLAB SLOPE



KEY PLAN  
SCALE: 1:1000

Revision/Revisión	Description/Description	Date/Date
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Project title/Titre du projet

**THE GULF OF GEORGIA CANNERY-BUILDING ENVELOPE REMEDIATION PHASE 3**

12138 Fourth Ave Richmond B.C.

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Designed by/Concept par  
LL

Drawn by/Dessiné par  
JN

PWOSC Project Manager/Administrateur de Projets TPSCC  
**TOM DUNPHY**

Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architecture et de génie, TPSCC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**NEW ICE MACHINE DISPLAY PLANS & SECTIONS**

PROFESSIONAL ENGINEER or ARCHITECT  
**L. K. S. LAM**  
APR 18, 2016

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
12392	R.060702.001	<b>S201</b>



Revision/	Description/Description	Date/Date
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B	numéro de détail	
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	de dessin no.	
	C detail on drawing no.	
	détail sur dessin no.	

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**WESTERN REGION**  
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12138 Fourth Ave Richmond B.C.

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Designed by/Concept par  
 LL

Drawn by/Dessiné par  
 JN

PWGSC Project Manager/Administrateur de Projets TPSCC  
**TOM DUNPHY**

Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architecture et de génie, TPSCC  
 PREEETIPAL PAUL

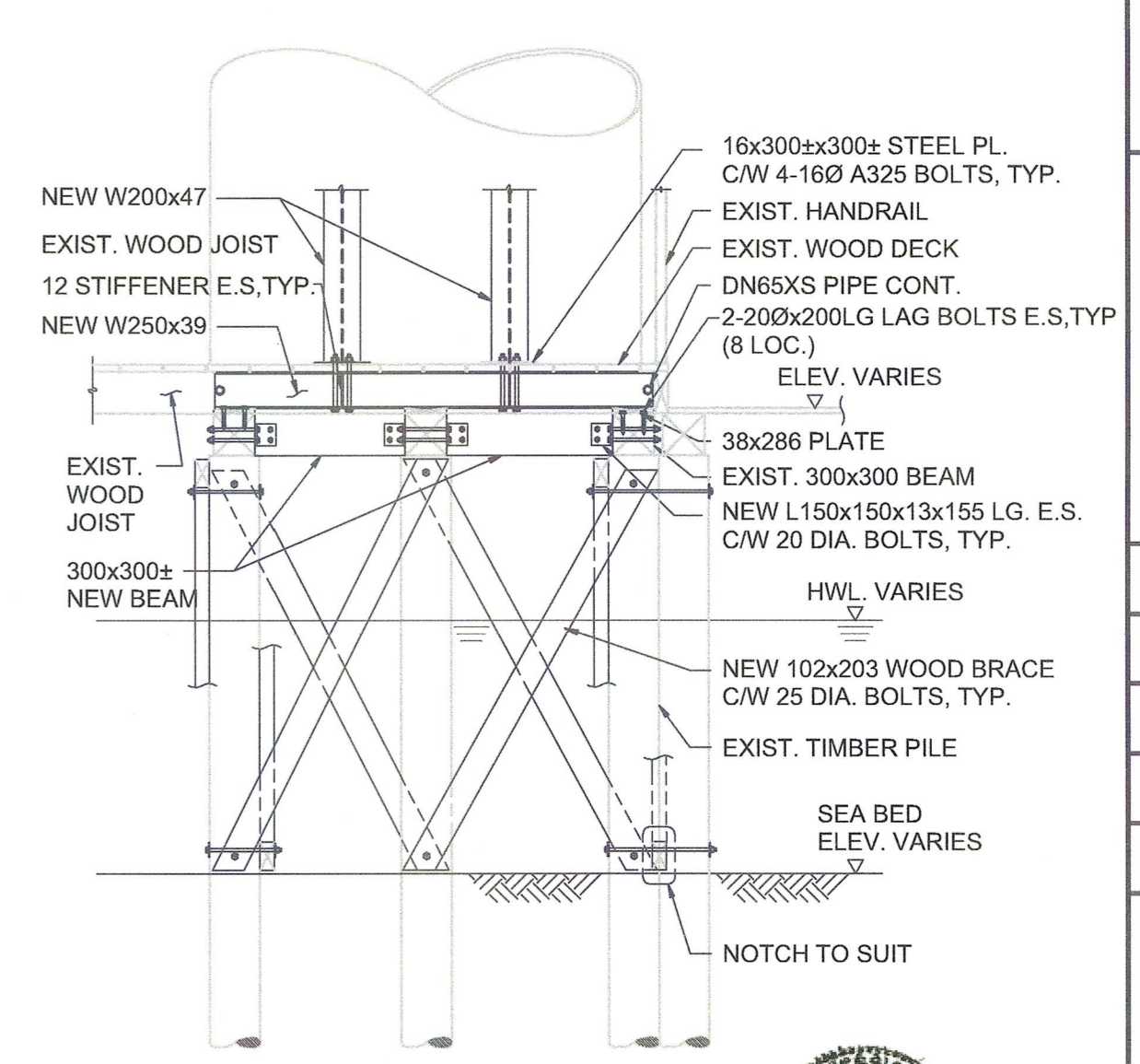
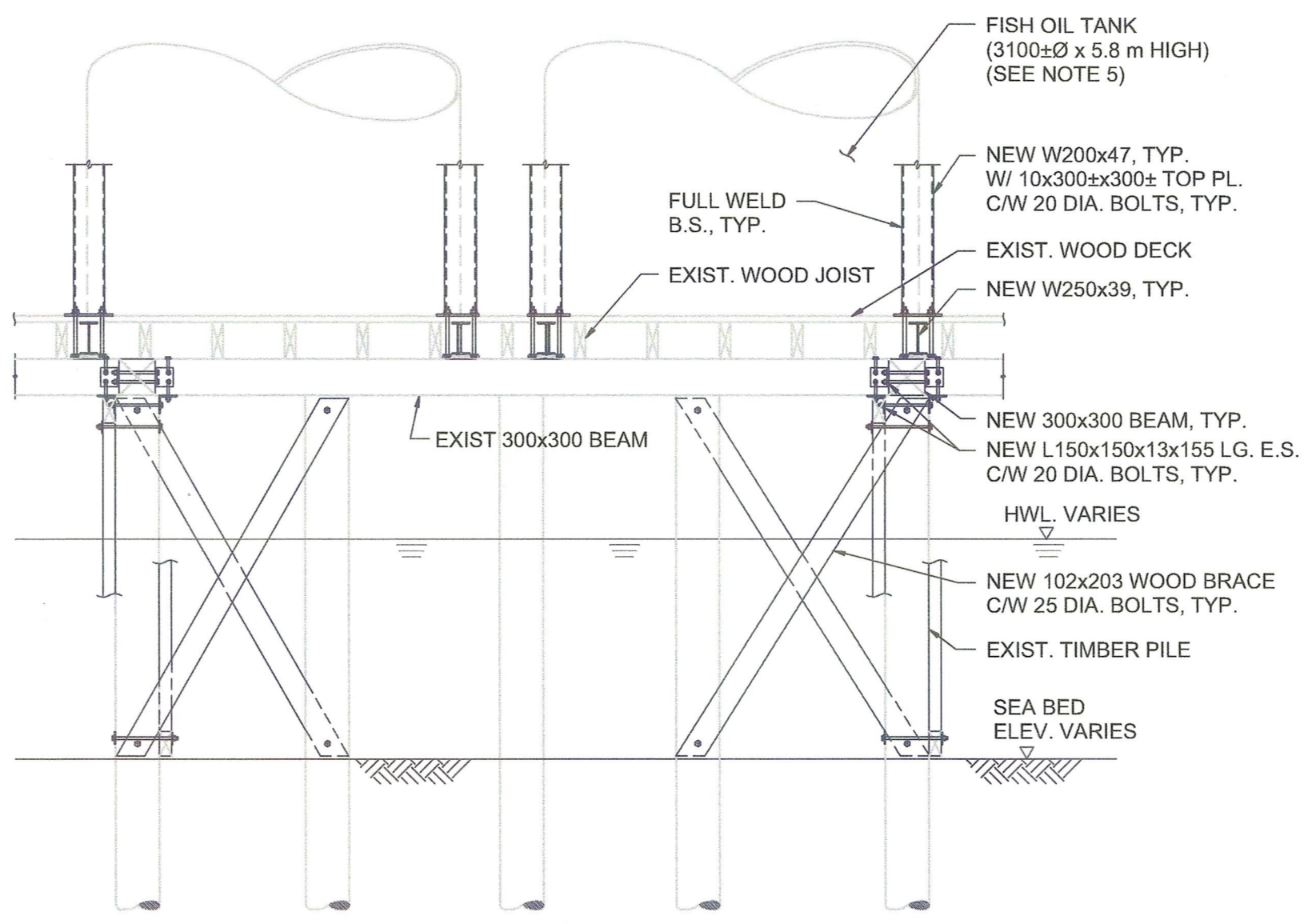
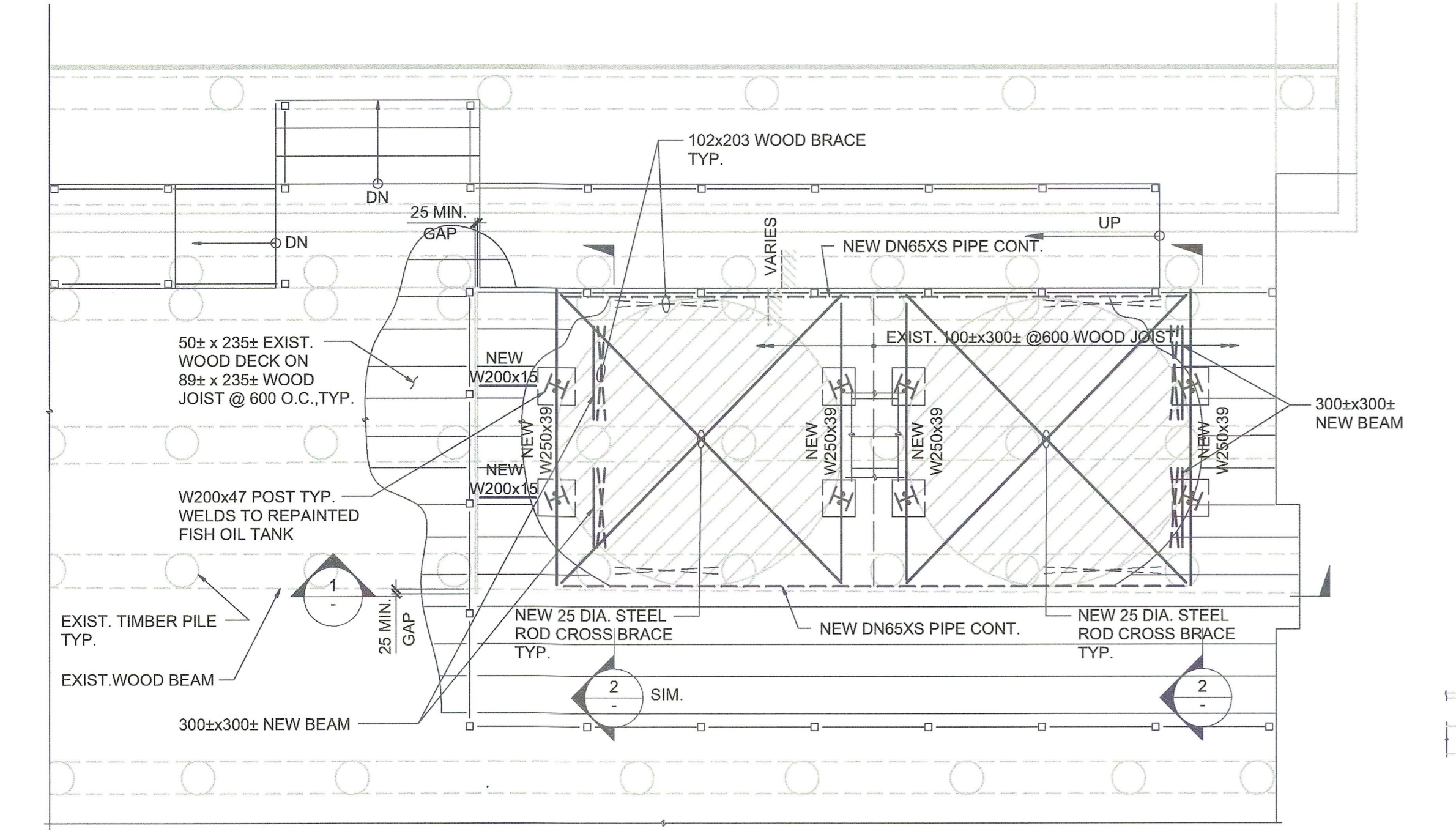
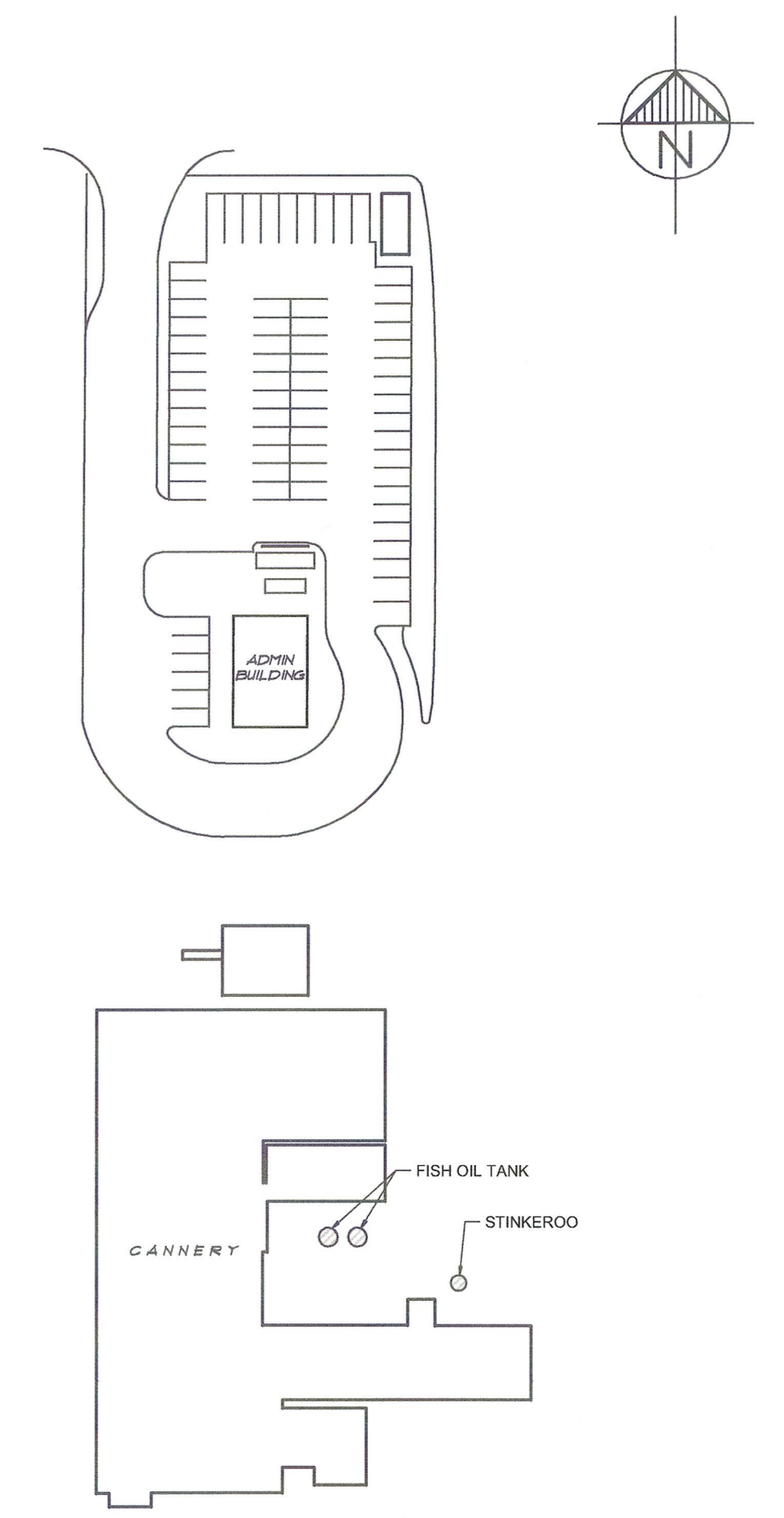
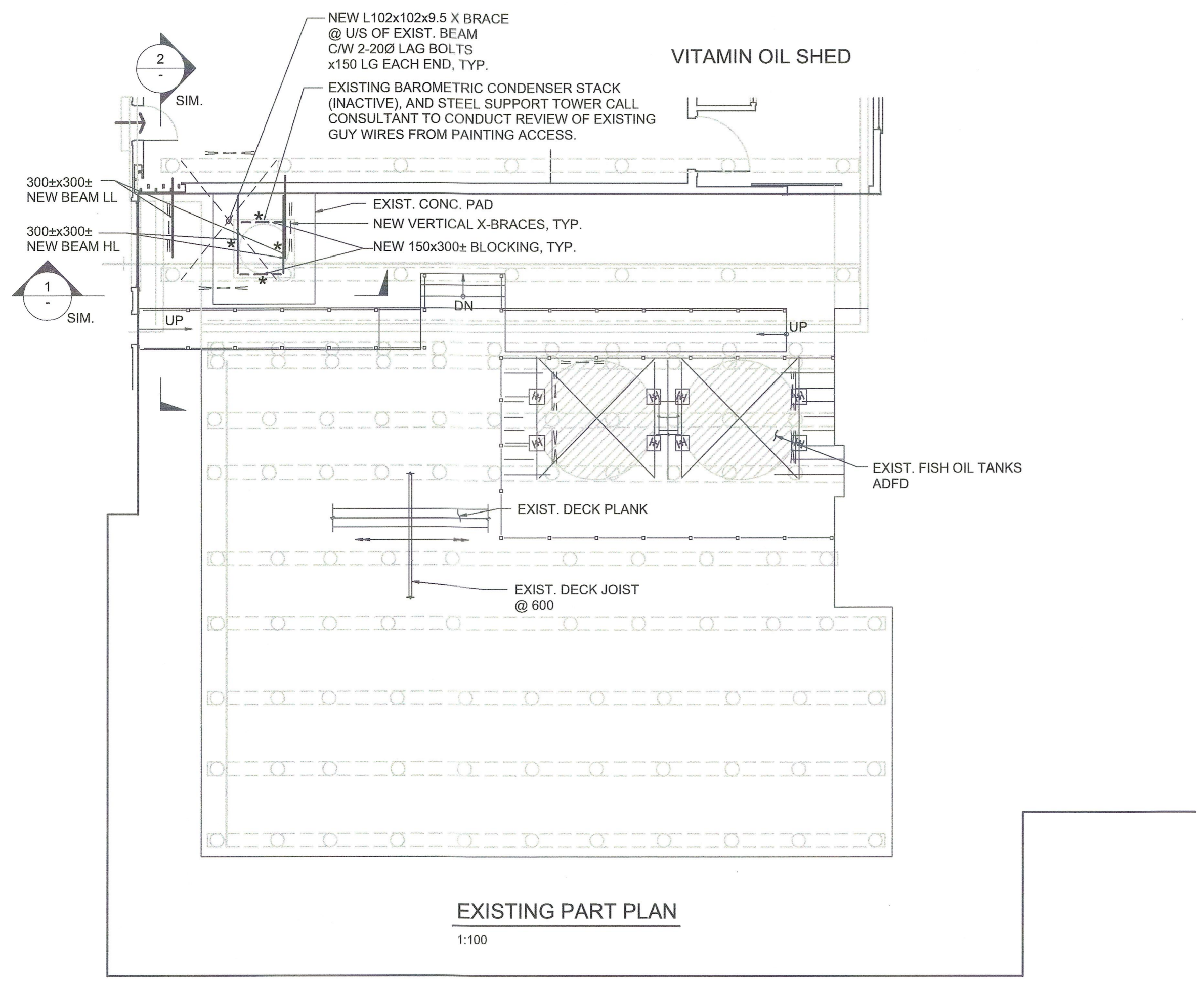
Drawing title/Titre du dessin

**FISH OIL TANKS PLAN & SECTIONS**

Project No./No. du projet  
 12392

Sheet/Feuille  
**S202**

Revision no./La Révision no.  
 R.060702.001



- NOTES:
- REMOVE EXIST. FISH OIL TANKS, SET ASIDE, REPAIR WHERE REQUIRED; REPAINT INCLUDING ALL ACCESSORIES & REINSTATE ON NEW PILING PLATFORM.
  - REFER TO ARCH. FOR PAINTING REQUIREMENTS.
  - RETAIN SPECIALIZED MARINE PILE INSPECTION COMPANY TO INVESTIGATE INTEGRITY OF THE EXISTING PILES SUPPORTING THE FISH OIL TANKS. REPORT TO DEPARTMENT REPRESENTATIVE FOR DAMAGED AND WEAKENING PILES. CONTRACTOR SHALL PAY ALL COST FOR SUCH RETAINING SERVICES AND REPORTS.
  - REFER TO PHOTOS ON S102 FOR REFERENCE.
  - REMOVE RUSTED OUT STEEL TANK RINGS & SURFACES, TYPICAL & REINSTATE WITH MATCHING MATERIAL, WELDS & GRIND SMOOTH TO RECEIVE PAINTING. INSPECT ON OWN ACCORD ALL REPAIR WORK PRIOR TO TENDER AS PRETENDER WALK THROUGH IS NOT MANDATORY.
  - ALL REPAIRED & NEW MEMBERS, RINGS, BOLTS & ACCESSORIES SHALL BE NOT DIPPED GALVANIZED (600 g/m<sup>2</sup>).

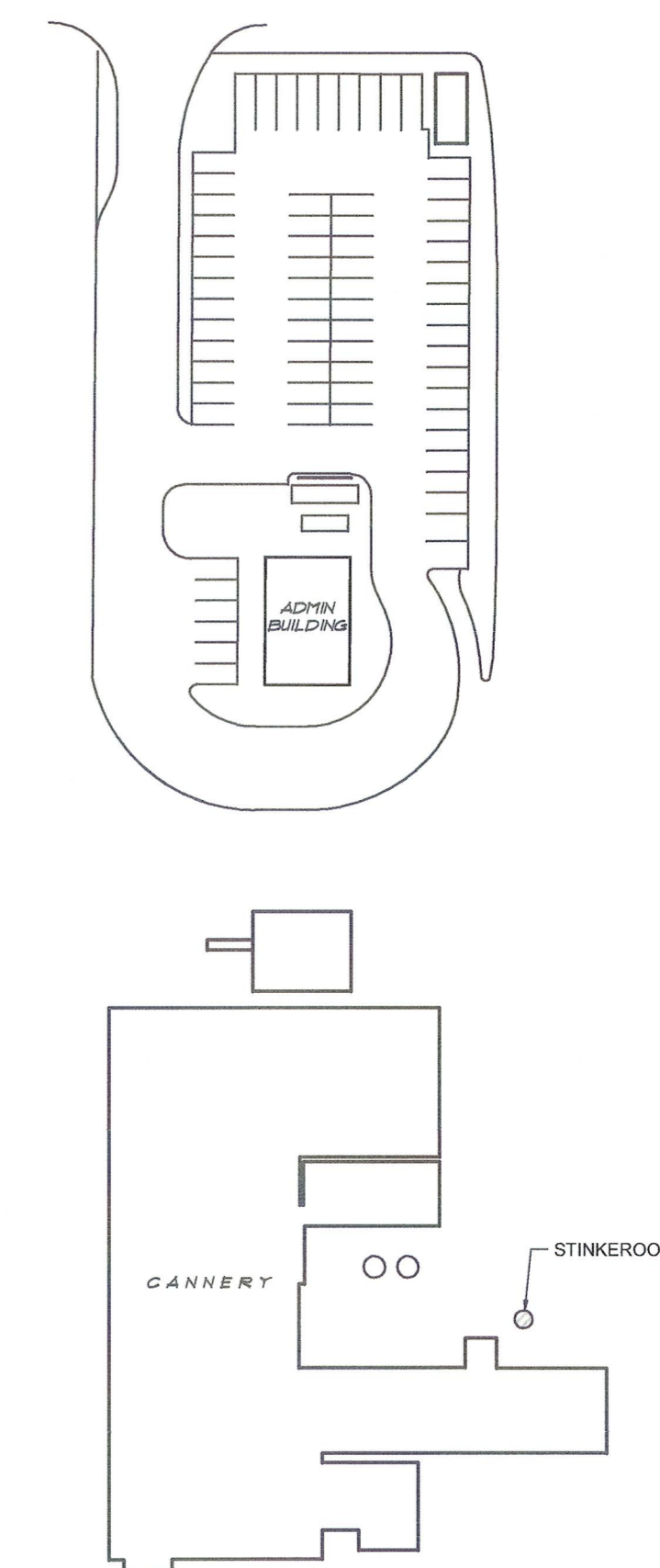
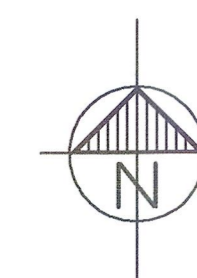
- LEGEND:
- RELOCATE EXIST. FISH OIL TANKS INCLUDING ACCESSORIES & STAIRS; REPAIR & REPAIR TANKS TO SPECIFICATION; REINSTATE TO ORIGINAL LOCATION AFTER PILING ENHANCEMENT & NEW PLATFORM WORK INSTALLATION.
  - \* INSTALL L102x150x9.5 LLV (CONT. OR 500 LG) C/W 20Ø ADHESIVE ANCHOR @400 O.C. HILTI HIT RE500 SD EMBD 100 MIN

SECTION 1 1:50  
 NOTE: OTHER DETAILS NOT SHOWN FOR CLARITY

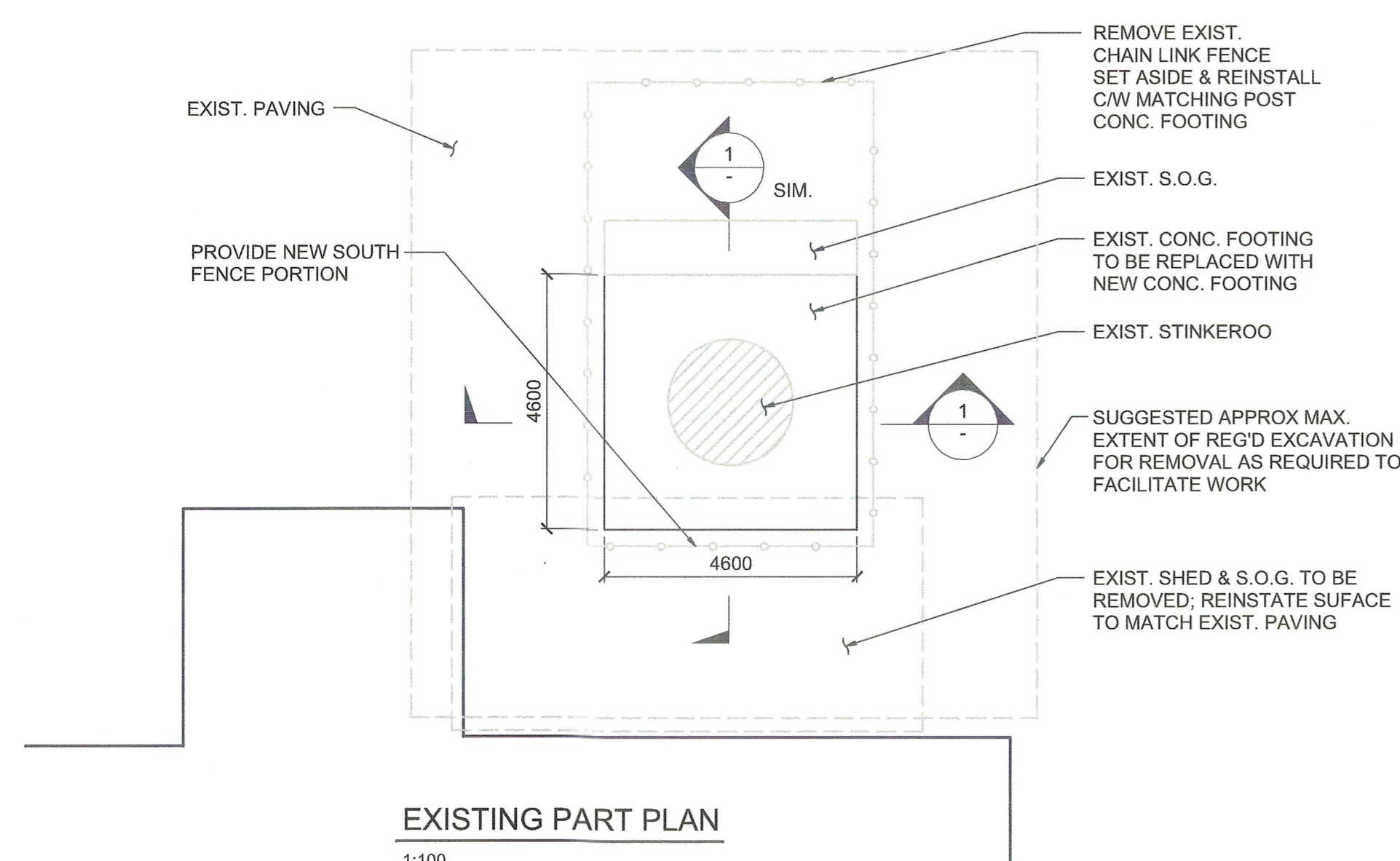
SECTION 2 1:50

PROFESSIONAL ENGINEER  
 L. K. S. LAM  
 APR 18, 2016

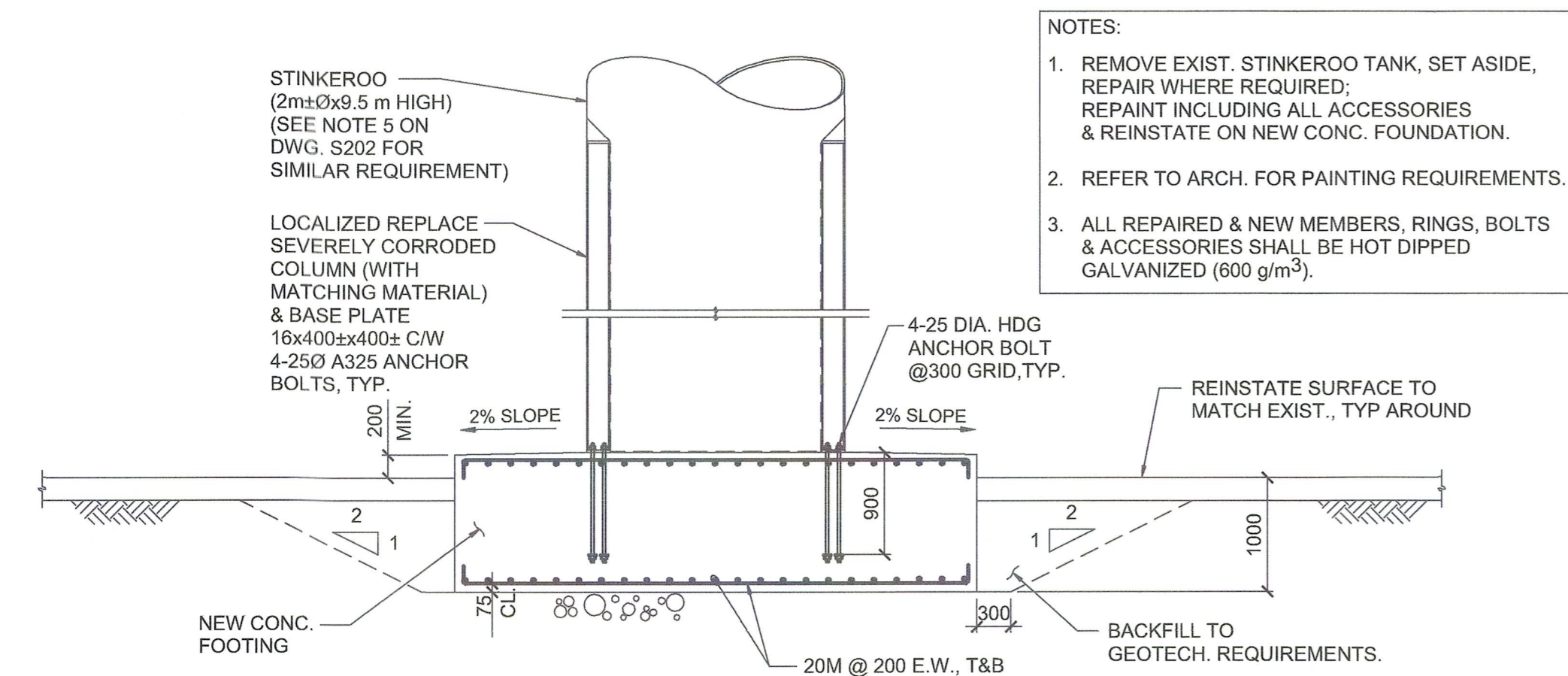




KEY PLAN  
SCALE: 1:1000



EXISTING PART PLAN  
1:100



SECTION 1-1  
1:50

- NOTES:
1. REMOVE EXIST. STINKEROO TANK, SET ASIDE, REPAIR WHERE REQUIRED, REPAINT INCLUDING ALL ACCESSORIES & REINSTATE ON NEW CONC. FOUNDATION.
  2. REFER TO ARCH. FOR PAINTING REQUIREMENTS.
  3. ALL REPAIRED & NEW MEMBERS, RINGS, BOLTS & ACCESSORIES SHALL BE HOT DIPPED GALVANIZED (600 g/m<sup>2</sup>).

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Client/client  
**PARKS CANADA WESTERN REGION**  
STEVESTON, B.C. NATIONAL HISTORIC SITE

Project title/Titre du projet  
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Designed by/Concept par  
LL  
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PWGSC Project Manager/Administrateur de Projets TPSCG  
**TOM DUNPHY**  
Regional Manager, Architectural and Engineering Services  
Gestionnaire régional, Services d'architecture et de génie, TPSCG  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**STINKEROO TANK & SECTION**

PROFESSIONAL ENGINEER  
L. K. S. LAM  
APR 18, 2016

Project No./No. du projet 12392	Sheet/Feuille R.060702.001 <b>S203</b>	Revision no./La Révision no.
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