

Revision	1.00	1.00
Client/client		

825 ADMIRALS ROAD
VICTORIA, BC. V9A 2P1

**SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)**

Consultant Signature Box Only	
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Designed by/Concept par

Drawn by/Dessine par

Jamie LeBlanc
PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC

Drawing title/Titre du dessin

EXISTING COMPRESSOR ROOM ARCHITECTURAL

Project No./No. du proj

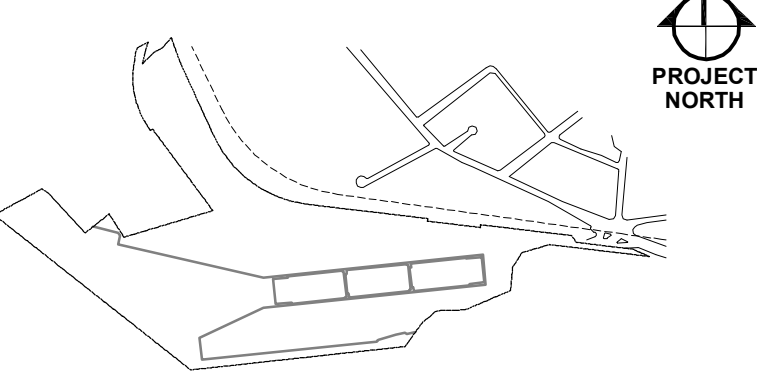
R.062548.002

Sheet/Feuille
5950

Revision no./
La Révision
no. **5**



KEYPLAN



LEGEND	
○	MANHOLE
□	CLEANOUT
⊠	CATCHBASIN
Σ	WATER VALVE
—SFM—	AS-CONSTRUCTED SANITARY FORCEMAIN
—C 1504—	EXISTING DRAIN

FOCUS
Engineering • Planning • Geomatics

I CONFIRM THAT THE FOLLOWING SERVICES
WERE INSPECTED DURING CONSTRUCTION
AND TO THE BEST OF MY KNOWLEDGE
WERE INSTALLED IN ACCORDANCE WITH
MUNICIPAL SPECIFICATIONS AND AS
SHOWN ON THIS DRAWING.



3	ISSUED AS-CONSTRUCTED	AUGUST 2004
2	ISSUED FOR TENDER	AUGUST 2003
1	ISSUED FOR CLIENT REVIEW	APRIL 19/03
#	REVISION	DATE

A	1. Detail not to scale
B	2. Section profile not to scale
C	3. Plan view not to scale

VICTORIA, B.C.
ESQUIMALT GRAVING DOCK
SANITARY SEWER SYSTEM
AND LIFT STATION NO. 15
REPLACEMENT

SITE PLAN AND
SHEET LAYOUT
AS-CONSTRUCTED

Design	O. DUBEK/H. GAO	DATE	MAR. 2003
Drawn	S. CAMPDEN	DATE	MAR. 2003
Approved		DATE	
Reviewed		DATE	
Project No.	852746	Project Name	ESQUIMALT GRAVING DOCK
Drawing No.	C01-AB	Sheet No.	1 of 1
Project Name	852746-C01.DWG		

ESQUIMALT GRAVING DOCK LIST OF DRAWINGS

DRAWING NUMBER	DESCRIPTION
C01-AB	SITE PLAN AND SHEET LAYOUT
C02-AB	SANITARY FORCEMAIN PLAN AND PROFILE MUNROE HEAD
C03-AB	SANITARY FORCEMAIN PLAN AND PROFILE NORTH SIDE OF GRAVING DOCK
C04-AB	SANITARY FORCEMAIN PLAN AND PROFILE NORTH SIDE OF GRAVING DOCK
C05-AB	SANITARY FORCEMAIN PLAN AND PROFILE EAST SIDE OF GRAVING DOCK
C06-AB	SANITARY FORCEMAIN PLAN AND PROFILE SOUTH SIDE OF GRAVING DOCK
C07-AB	DETAILS
C08-AB	DETAILS
C09-AB	DETAILS
C10-AB	DETAILS
C11-AB	LIFT STATION NO. 15 - GENERAL ARRANGEMENT
E01	ELECTRICAL SITE PLAN AND DETAILS
E02	ELECTRICAL SITE PLAN ENLARGEMENT AND SPECIFICATIONS
E03	ELECTRICAL KIOSK CONCRETE PAD DETAILS
E04	MISCELLANEOUS DETAILS

GENERAL NOTES

- ALL MATERIALS IN ACCORDANCE WITH PUBLIC WORKS GOVERNMENT SERVICES CANADA TENDER SPECIFICATIONS AND DRAWINGS UNLESS OTHERWISE NOTED.
 - BED ALL THE PIPE IN ACCORDANCE WITH SECTION 02315.
- SEWER
- POLYVINYL CHLORIDE (PVC) PIPE FOR SEWER IN ACCORDANCE TO CANADIAN STANDARDS ASSOCIATION CSA B137.4 AND AWWA C900 IN 150+ CLASS 100 (DR25) (AWWA C900) AND CERTIFIED BY CANADIAN STANDARDS ASSOCIATION CSA B137.3 AND FOR GRAVITY SEWER TO BE 2000 SDR35.
 - HIGH DENSITY POLYETHYLENE (HDPE) PIPE IN ACCORDANCE TO CAN/CSA-B137.1 OR AWWA C905 PRESSURE CLASS. HEAT BUTT FUSION JOINT TO ASTM D2657 AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - HANDLE PIPE USING METHOD APPROVED BY MANUFACTURER.

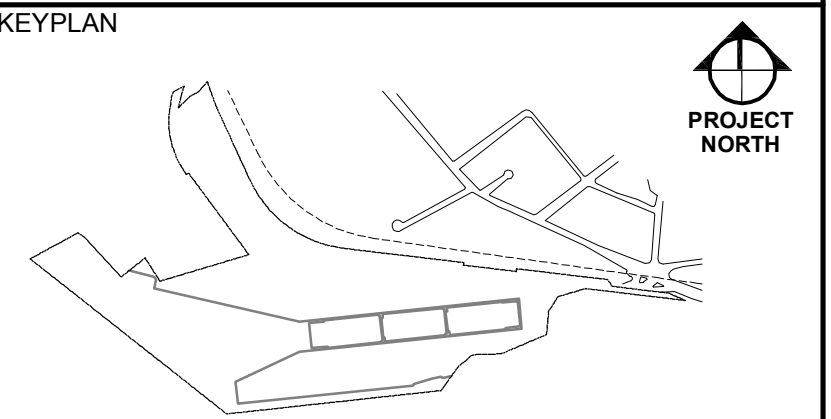


BENCHMARK
DRAWING COORDINATES ARE LOCAL BASED ON NAD83
GROUND LEVEL REFERENCE MONUMENT BM BOLT
NAD83/77.4 ± 48805.5 EL. ± 0.278
USE COMBINED SCALE FACTOR OF 0.999813

COORDINATES
COORDINATES LISTED ON THESE DRAWINGS ARE
LOCAL COORDINATES BASED ON REFERENCE
MONUMENT BM BOLT

1:1000

FOR REFERENCE ONLY
DRAWING NO : C01 - AB



LEGEND

- MANHOLE
- CLEANOUT
- CATCHBASIN
- WATER VALVE
- AS-CONSTRUCTED
SANITARY FORCEMAIN
- EXISTING DRAIN

FOCUS
Engineering • Planning • Geomatics

I CONFIRM THAT THE FOLLOWING SERVICES
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AND, TO THE BEST OF MY KNOWLEDGE,
WERE INSTALLED IN ACCORDANCE WITH
MUNICIPAL SPECIFICATIONS AND AS SHOWN
ON THIS DRAWING.



3	ISSUED AS-CONSTRUCTED	AUGUST 2004
2	ISSUED FOR TENDER	AUGUST 2003
1	ISSUED FOR CLIENT REVIEW	APRIL 10/03

#	REVISION	DATE
5	ISSUED FOR TENDER	2010/01/05
4	ISSUED FOR 95% CD REVIEW	2010/01/05
3	ISSUED FOR 85% CD REVIEW	2010/11/05
2	ISSUED FOR 35% CD REVIEW	2010/11/05
1	ISSUED FOR DESIGN DEVELOPMENT	2010/09/15

Revision/Revision Description Date/Date

VICTORIA, B.C.
ESQUIMALT GRAVING DOCK
SANITARY SEWER SYSTEM
AND LIFT STATION No. 15
REPLACEMENT

SANITARY FORCEMAIN
PLAN AND PROFILE
SOUTH SIDE OF
GRAVING DOCK
AS-CONSTRUCTED

designed by: D. DUBEK/H. GAO
date: MAR. 2003
drawn by: S. CAMPDEN
date: MAR. 2003
approved by: [Signature]
checked by: [Signature]
project no.: 852746
drawing no.: C06-AB
drawing title: 852746-C06.DWG

Client/client

**ESQUIMALT
GRAVING DOCK**

825 ADMIRALS ROAD
VICTORIA, BC, V9A 2P1

Project title/Titre du projet
**825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE**

**SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)**

Consultant Signature Box Only

Designed by/Concept par

Drawn by/Dessiné par

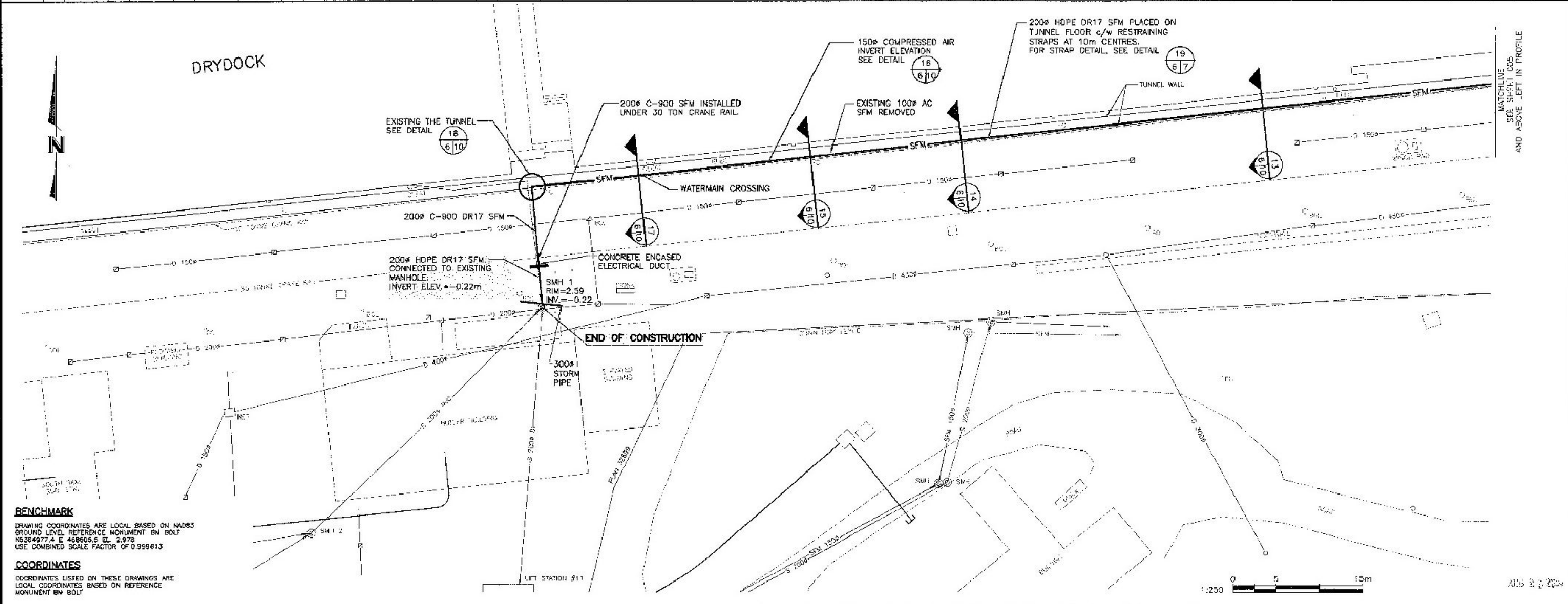
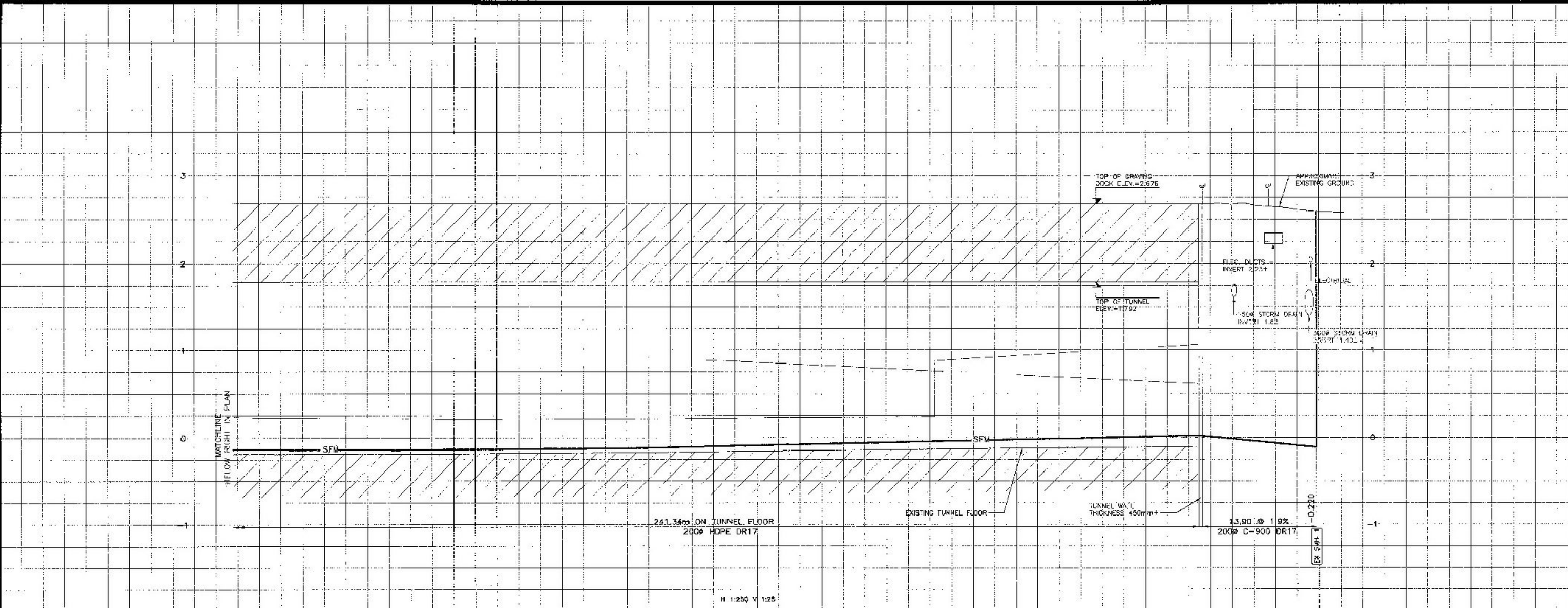
PWSSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc
PWSSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Prestipal Paul

Drawing title/Titre du dessin
**SANITARY FORCEMAIN
PLAN AND PROFILE
SOUTH SIDE OF
GRAVING DOCK
AS CONSTRUCTED**

Project No./No. du projet
R.062548.002

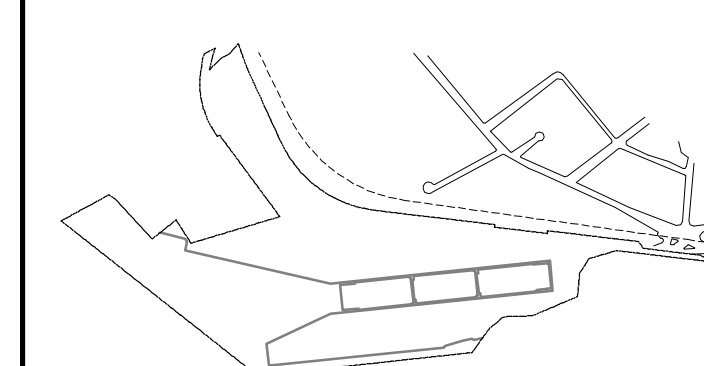
Sheet/Feuille
5952

Revision no./
No. de Révision
5



FOR REFERENCE ONLY
DRAWING NO : C06 - AB

KEYPLAN



5	ISSUED FOR TENDER	2016/11/03	
4	ISSUED FOR 90% CD REVIEW	2016/10/06	
3	ISSUED FOR 80% CD REVIEW	2016/11/05	
2	ISSUED FOR 30% CD REVIEW	2016/10/26	
1	ISSUED FOR DESIGN DEVELOPMENT	2016/09/19	
Revision/	Description/Description	Date/Date	

Revision	
Client/client	

ESQUIMALT GRAVING DOCK

825 ADMIRALS ROAD
VICTORIA, BC. V9A 2P1

Project title/Titre du projet
825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE

**SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)**

Consultant Signature Box Only	
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Designed by/Concept par:

Drawn by/Dessiné par

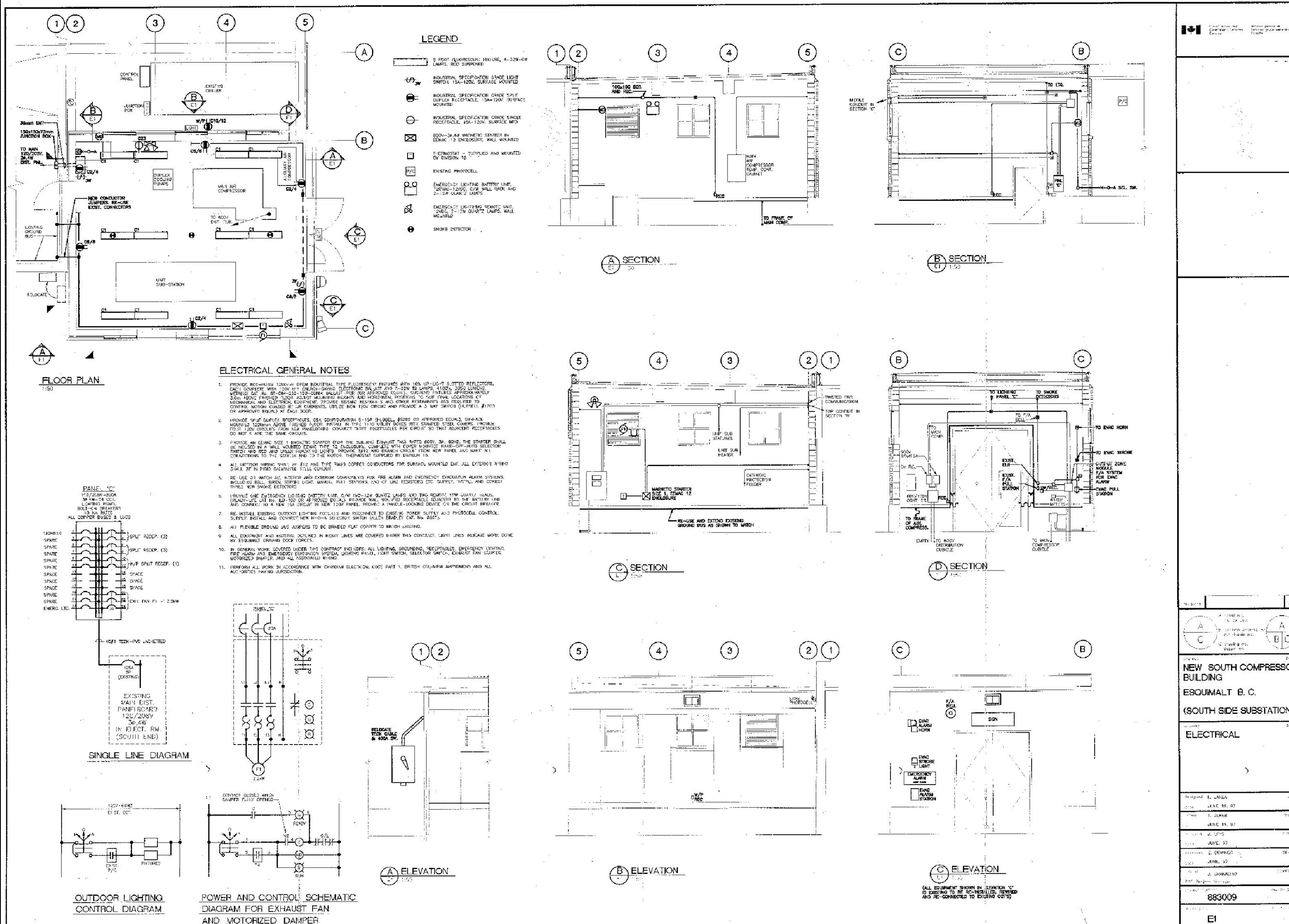
PWGSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

Geoffrey Paul
PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC

Drawing title/Titre du dessin

**EXISTING COMPRESSOR ROOM
ELECTRICAL**

Project No./No. du projet	Sheet/Feuille	Revision no. La Révision no.
R.062548.002	5953	5



FOR REFERENCE ONLY
DRAWING NO : E1

5	ISSUED FOR TENDER	20160108
4	ISSUED FOR 80% CD REVIEW	20160106
3	ISSUED FOR 60% CD REVIEW	20151125
2	ISSUED FOR 30% CD REVIEW	20151028
1	ISSUED FOR DESIGN DEVELOPMENT	20150915
Revision/	Description/Description	Date/Date

Client/client

825 ADMIRALS ROAD
VICTORIA, BC, V9A 2P1

Project title/Titre du projet
825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE

**SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)**

Consultant Signature Box Only

Designed by/Concept par

Drawn by/Dessine par

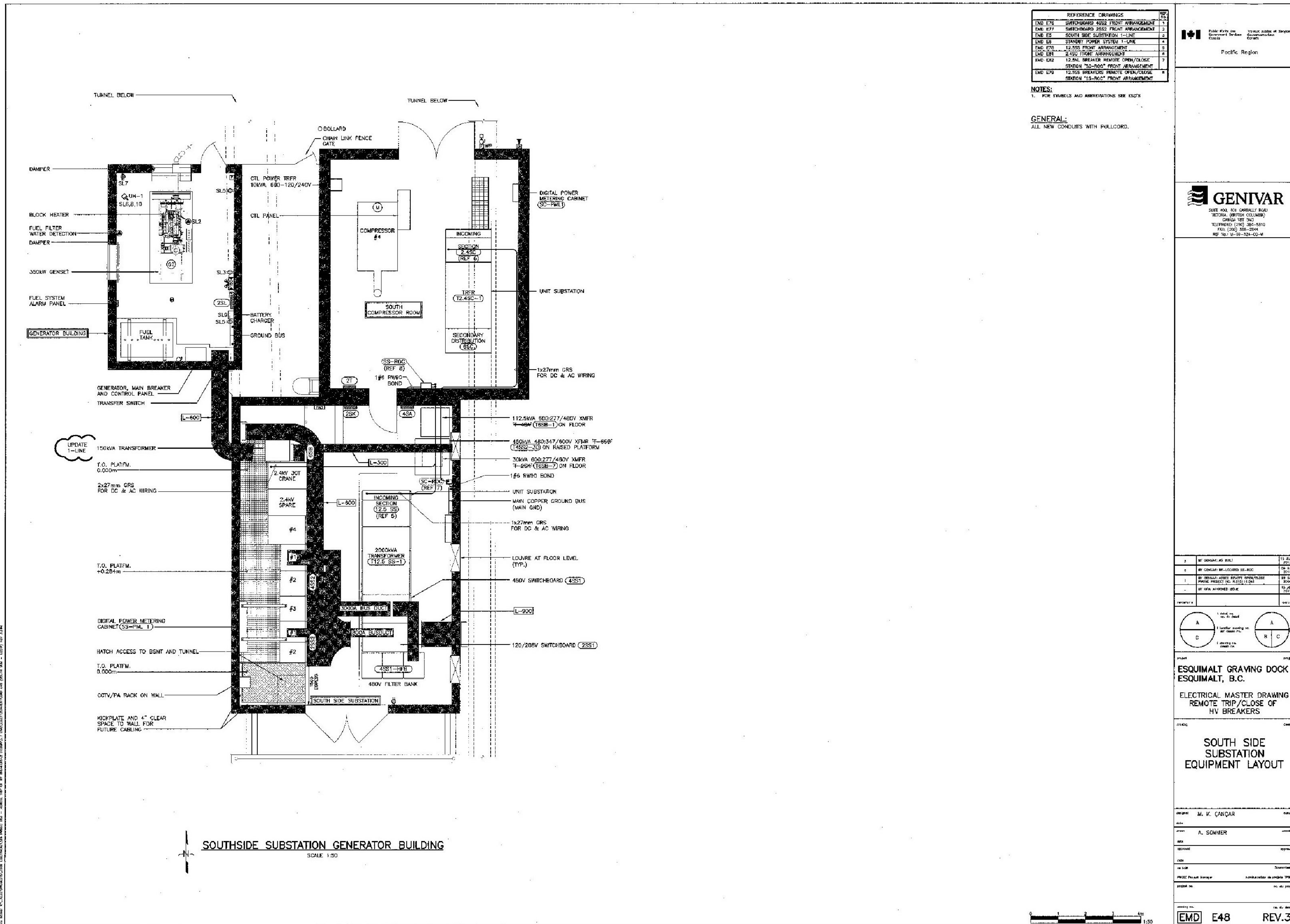
PWGSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Preetipal Paul

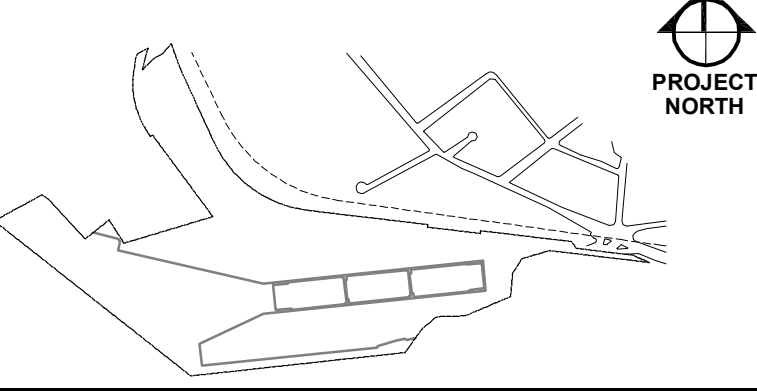
Drawing title/Titre du dessin

EXISTING SOUTH SIDE SUBSTATION EQUIPMENT LAYOUT

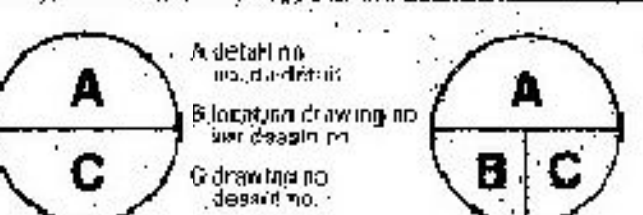
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.062548.002	5954	5



FOR REFERENCE ONLY
DRAWING NO : EMD E48 REV.3



1. INSTALLED TO CONFORM WITH THE DESIGN DRAWING



PROJECT
ESQUIMALT GRAVING DOCK
ESQUIMALT, B.C.

MODERNIZATION OF ELECTRICAL
DISTRIBUTION & AREA LIGHTING

DRAWING PHASE VII

SOUTH SIDE POWER
CONVERSION

SUBSTATION VENTILATION

DESIGNED BY
DATE
DRAWN BY
DATE
REVIEWED BY
DATE
APPROVED BY
DATE
TENDER
DATE
PROJECT NUMBER
DRAWING NUMBER

ESQUIMALT
GRAVING DOCK

825 ADMIRALS ROAD
VICTORIA, BC, V9A 2P1

Project title/Titre du projet
825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE

SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)

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Drawn by/Dessiné par

PWSSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

PWSSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régional, Services d'architecture et de génie, TPSGC
Prestipal Paul

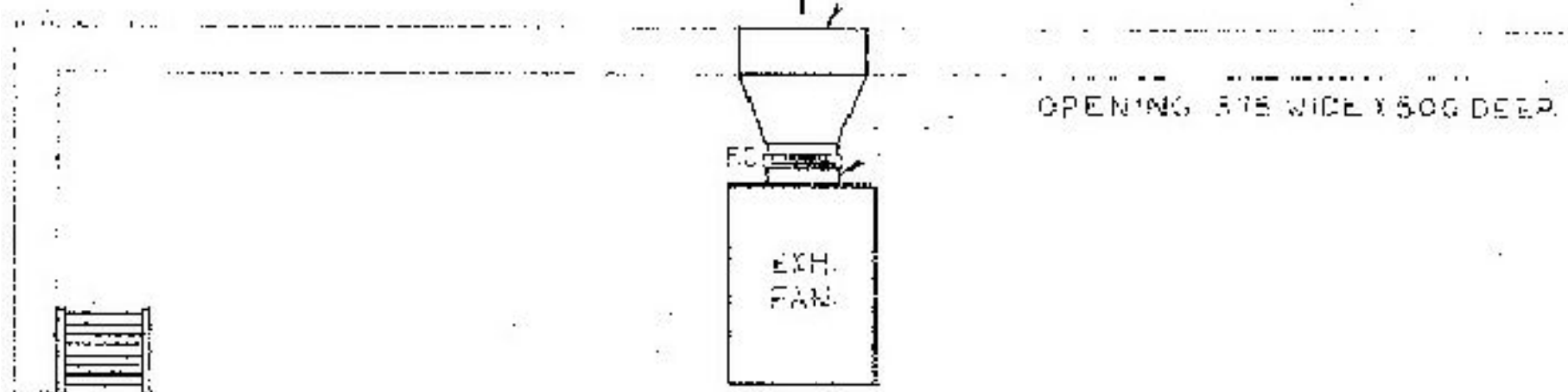
Drawing title/Titre du dessin
EXISTING SOUTHSIDE
SUBSTATION VENTILATION

Project No./No. du projet
R.062548.002

Sheet/Feuille
5957

Revision no./
no. de révision
5

PROVIDE 600X900 LOUVRE
IN EXISTING OPENING



OPENING 575 WIDE X 500 DEEP



EXH. FAN

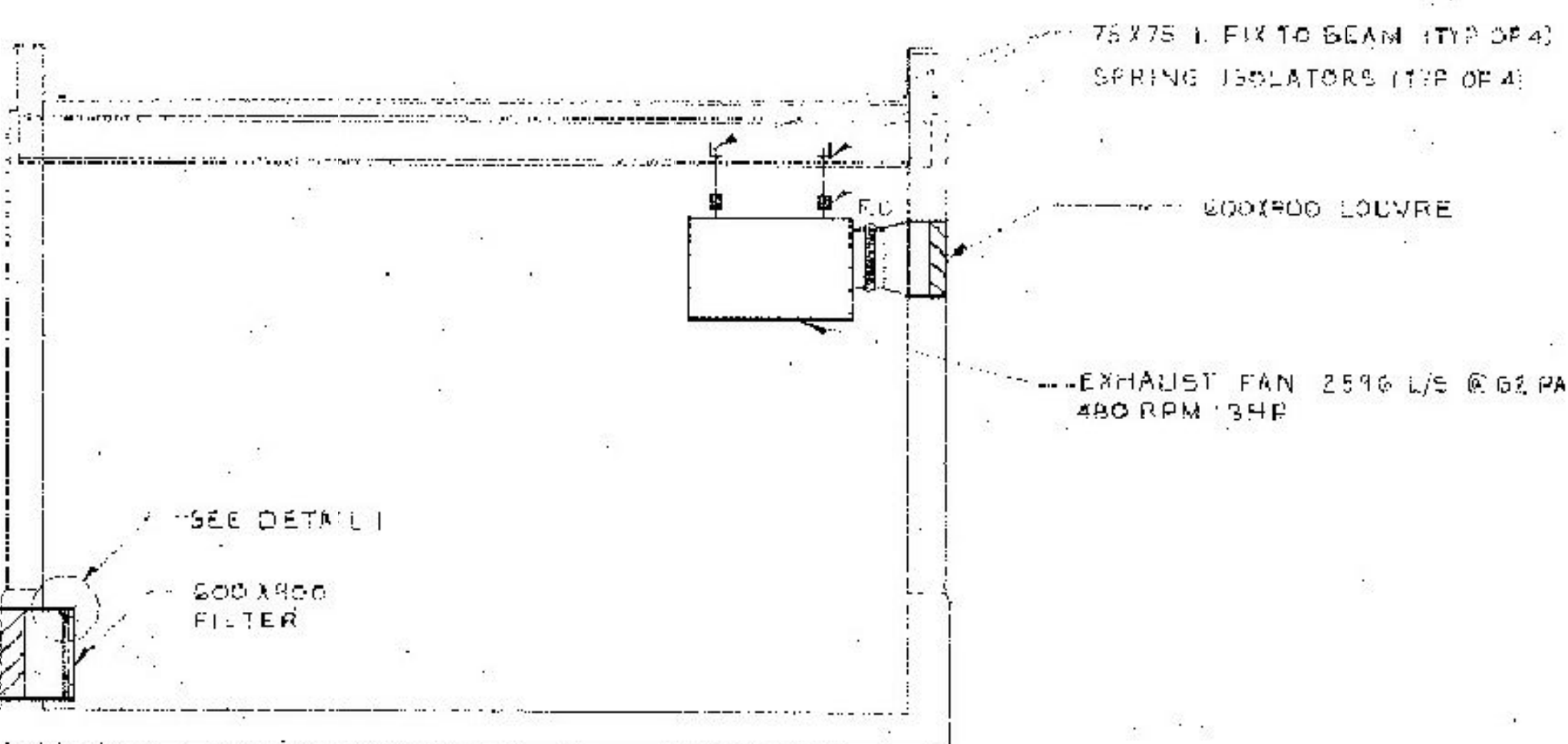


REVERSE ACTING
THERMOSTAT 15m
ABOVE FLOOR

FILTER BOXES WITH
SIDE ACCESS (TYP OF 2)

SOUTH SIDE SUB-STATION
SCALE 1:50

1. PROVIDE ALL ITEMS, MATERIALS, EQUIPMENT AND LABOUR REQUIRED TO COMPLETE THE INSTALLATIONS AND OPERATIONS SPECIFIED HEREIN AND SHOWN ON THE DRAWING. DEMONSTRATE SATISFACTORY OPERATION PRIOR TO ACCEPTANCE.
2. WORKMANSHIP SHALL BE IN ACCORDANCE WITH BEST TRADE PRACTICES, EXECUTED BY QUALIFIED TRADESMEN.
3. ALL WORK AND MATERIAL SHALL COMPLY WITH STANDARDS AND REGULATIONS OF THE:
 1. NATIONAL BUILDING CODE.
 2. B.C. FIRE MARSHAL.
4. ALL ELECTRICAL EQUIPMENT TO HAVE C.S.A. APPROVAL.
5. INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
6. WORK TO INCLUDE:
 1. INTAKE AIR FILTERS.
 2. EXHAUST AIR FAN WITH THERMOSTAT CONTROL.
7. DUCTWORK:
 1. FABRICATE AND INSTALL IN ACCORDANCE TO SMACNA LOW PRESSURE DUCT CONSTRUCTION.
 2. CONSTRUCT FOR 242 PA PRESSURE.
 3. MATERIAL - HOT-DIPPED GALVANIZED SHEET METAL TO ASTM-A-252.
 4. PROVIDE FLEXIBLE CONNECTION ON FAN DISCHARGE.
8. AIR FILTERS:
 1. FABRICATE FILTER BOXES TO DETAILS SHOWN.
 2. FILTERS TO BE 25 MM THICK GLASS FIBRE MEDIA, CARDBOARD FRAME.
9. EXHAUST FAN:
 1. BELT DRIVEN CENTRIFUGAL BLOWER EQUIPMENT WITH BALL BEARINGS.
 2. CADWELD GALVANIZED STEEL CONSTRUCTION WITH ENAMEL FINISH AND EASY TO REMOVE PANELS FOR ACCESS TO BLOWER AND MOTOR.
 3. CHARACTER: 2600 L/S AT 62 PA STATIC PRESSURE, OPERATING AT 280 RPM, MOTOR 3 HP.
 4. SECURELY SUSPEND FAN UNIT FROM STRUCTURAL STEEL MEMBERS SPANNING BETWEEN BUILDING STRUCTURAL STEEL ULONS.
 5. SIGNATURE OF ACCEPTANCE: DETAIL 9218 OR EQUIVALENT.
10. CONTROL FAN OPERATION TO BE CONTROLLED BY A REVERSE ACTING THERMOSTAT, WALL MOUNTED IN LOCATION SHOWN.



75 X 75 L. FIX TO BEAM (TYP OF 4)
SPRING ISOLATORS (TYP OF 4)

600X900 LOUVRE

EXHAUST FAN 2590 L/S @ 62 PA
480 RPM 3HP

SEE DETAIL I

600X900
FILTER

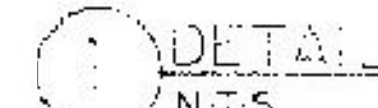
NOTE: STEEL FILTER FRAME
METAL INSERTS TO BE
FIELD FABRICATED

SECTION AA
SCALE 1:50

WALL

GALVANIZED STEEL FILTER FRAME

25 GLASS FIBRE FILTER



DETAIL
I

FOR REFERENCE ONLY
DRAWING NO : W-M-1

Revision/	Description/Description	Date/Date
5	ISSUED FOR TENDER	2010/01/05
4	ISSUED FOR 95% CD REVIEW	2010/01/05
3	ISSUED FOR 85% CD REVIEW	2010/11/05
2	ISSUED FOR 35% CD REVIEW	2010/11/05
1	ISSUED FOR DESIGN DEVELOPMENT	2010/09/15
Revision/	Description/Description	Date/Date

Client/client

ESQUIMALT
GRAVING DOCK

825 ADMIRALS ROAD
VICTORIA, BC, V9A 2P1

Project title/Titre du projet
825 ADMIRALS ROAD, VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE

SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)

Consultant Signature Box Only

Designed by/Concept par

Drawn by/Dessiné par

PWSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

PWSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Prestipal Paul

Drawing title/Titre du dessin

EXISTING SOUTHSIDE SUBSTATION
STRUCTURAL

Project No./No. du projet

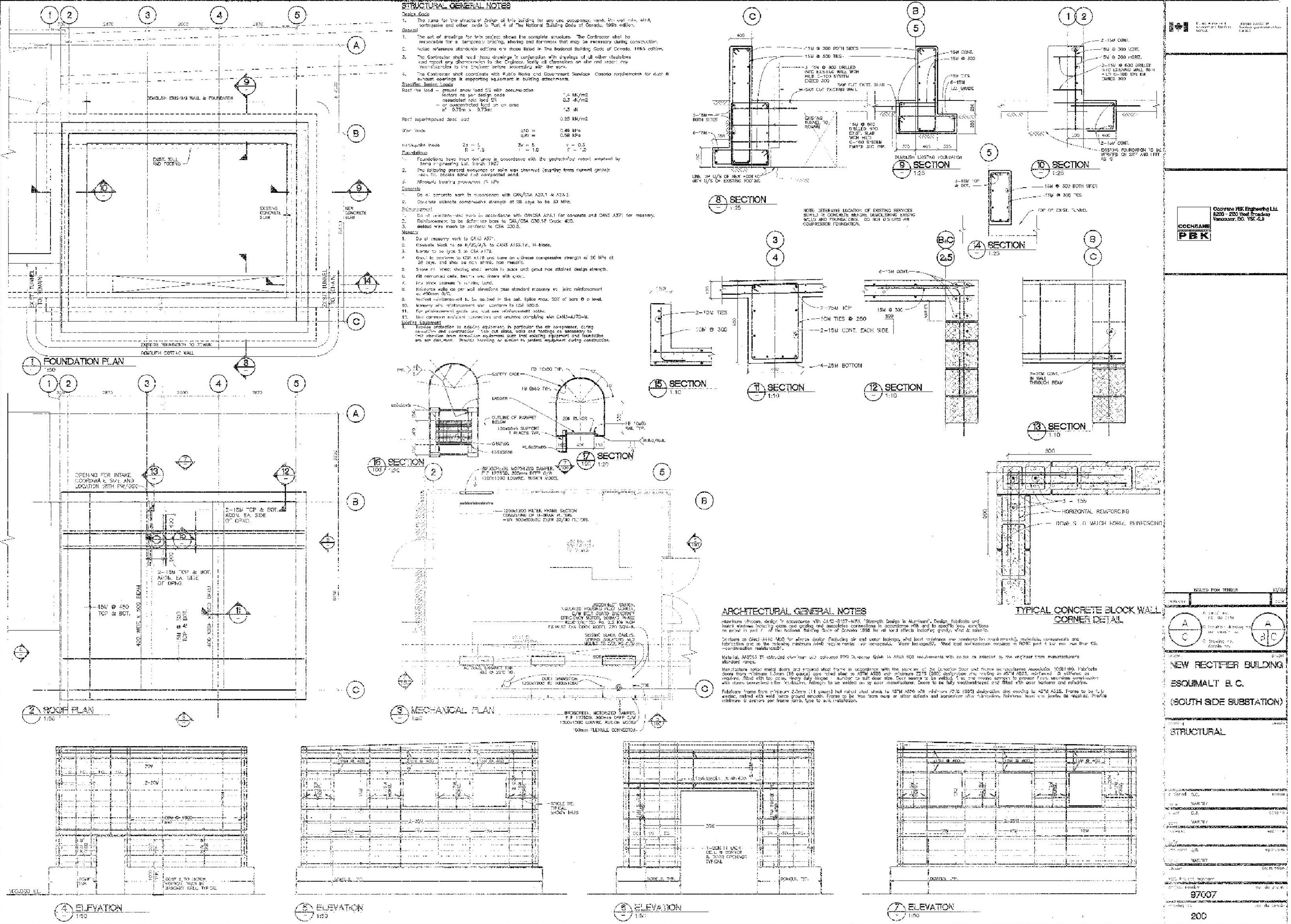
R.062548.002

Sheet/Feuille

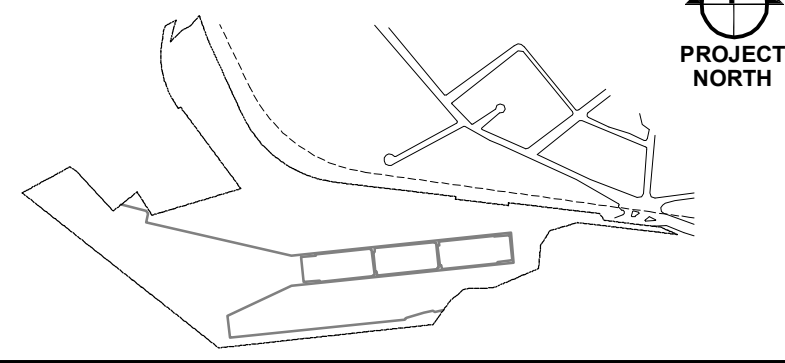
5958

Revision no./

5



FOR REFERENCE ONLY
DRAWING NO : 200



GRAVING DOCK

SOUTH JETTY SUBSTATION

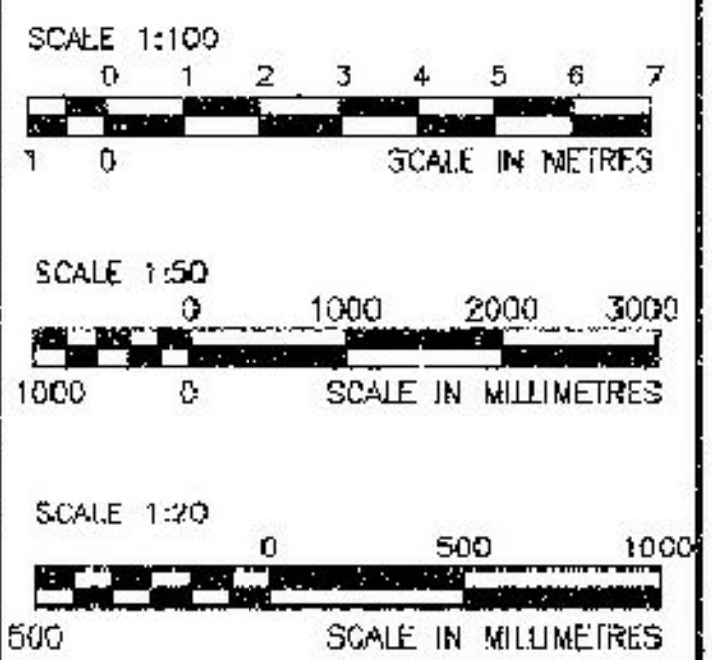
200MM HARBOR

10

15

KEY PLAN

JOB NO. 06-349



revisions		date
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A detail no.
no. du détail

B location drawing no.
sur dessein no.

C drawing no.
dessin no.

project	project
ESQUIMALT GRAVING DOCK	
ESQUIMALT, B. C.	

SOUTH SUB STATION
STRUCTURAL REPAIRS

PLAN, SECTIONS AND DETAILS

designed	C. PETERSON, P.ENG.	drawn
date	DECEMBER 2006	
drawn	R.O.B.	designed
date	DECEMBER 2006	
approved		approved
date		
Tender		Submission
PMSC Project Manager		P.Eng.
project number	862763	no. du projet
drawing no.		no. du dessin

**ESQUIMALT
GRAVING DOCK**

825 ADMIRALS ROAD
VICTORIA, BC, V9A 2P1

Project title/Titre du projet
825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE

**SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)**

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Drawn by/Dessine par

PWGC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

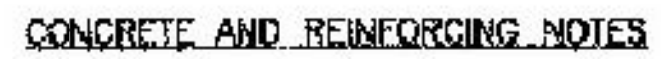
PWGC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Preetpal Paul

Drawing title/Titre du dessin

EXISTING SOUTHSIDE SUBSTATION PLAN, SECTIONS AND DETAILS

Project No./No. du projet	Sheet/Feuille	Revision no./
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R.062548.002	5959	no. 5
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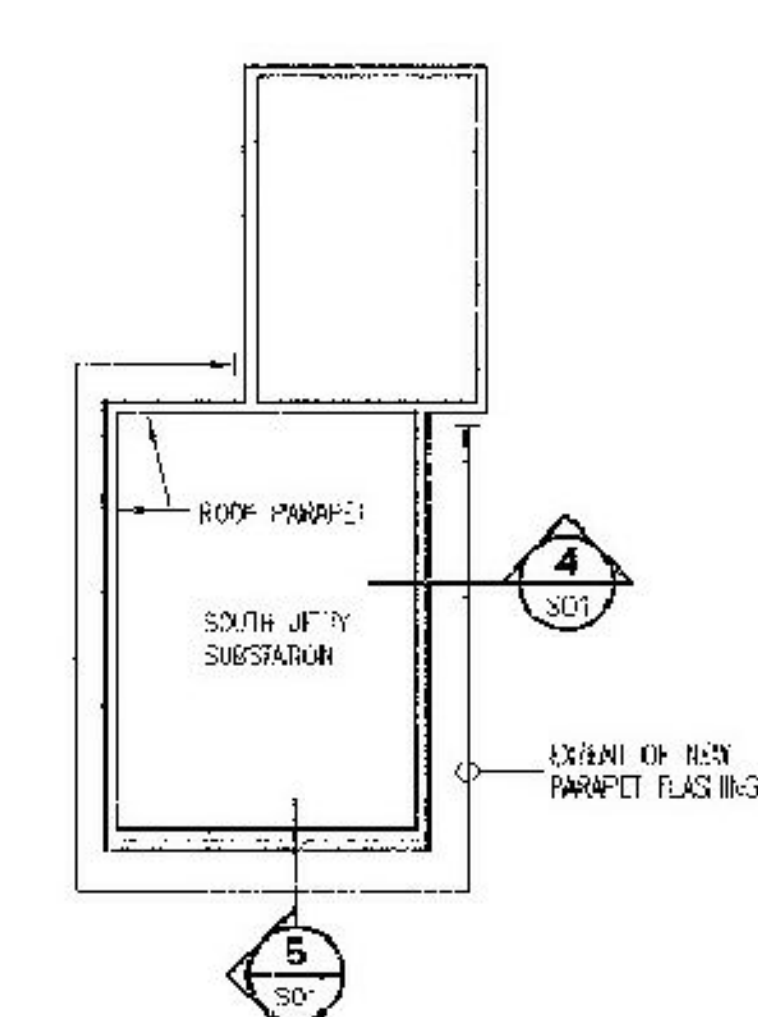


- CONCRETE TO BE READY FOR CONCRETE CONFORMING TO THE CSA A23.1/A23.2. CEMENT TO BE NORMAL PORTLAND CEMENT CONFORMING TO CSA A3006-A31. USE ADHESIVES ONLY WITH WRITTEN APPROVAL OF THE ENGINEER.
- | LOCATION | 28 DAY SLUMP | MAX AIR | SFR | CLASS OF CONCRETE |
|----------------------|-------------------|---------|-----|-------------------|
| | STRENGTH 1-42.0mm | | | |
| | MPa | mm | % | |
| TYPICAL U/A | 30 | 80 | 20 | 4-7 |
| 5.405 ON COUPE (EAT) | 32 | 100 | 20 | 4-8 |
| | | | | 5-7 |
- REFER TO PROJECT SPECIFICATIONS FOR MINIMUM COMPOSITIONS, CONTENT, SLUMP, MAXIMUM AGGREGATE SIZE, CLASS OF EXPOSURE AND OTHER NEOL MEMBERS.
2. REINFORCEMENT TO BE BUILT STEEL CONFORMING TO THE REQUIREMENTS OF THE FOLLOWING CSA STANDARDS:
- CSA G35.18(N) GRADE 40 ALL REINFORCING U/A
3. CONCRETE PROTECTION ON PRINCIPAL REINFORCING SHALL BE AS FOLLOWS:
- CONCRETE PLACED IN CONTACT WITH GROUND OR WATER SHALL BE FORMED SURFACES EXPOSED TO GROUND OR WATER: 50mm
4. A CSA CERTIFIED MATERIALS TESTING LABORATORY SHALL BE APPOINTED TO MONITOR CONCRETE MIXES AND TO GATHER AND TEST CONCRETE CYLINDERS. COPIES OF TEST RESULTS BE SENT TO THE ENGINEER, ARCHITECT AND CONTRACTOR.
5. A SUFFICIENT NUMBER OF TESTS SHALL BE MADE TO ENSURE A WORKING SLUMP OF CONCRETE, A SLUMP SHIP SHALL BE MADE WITH EVERY VIBRATORY TEST AND 28 DAY STRENGTH TO BE TESTED TO THE FOLLOWING:
- a. AN AIR CONTENT INSTRUMENT SHALL BE MADE WITH EVERY STRENGTH TEST.
- b. NOT LESS THAN FIFTEEN TESTS OF THREE CYLINDERS SHALL BE MADE FOR EACH U/A OR CLASS. STRENGTH SHALL BE PLACED ON ONE AND ONE CLASS SHALL BE HIGHER THAN ONE TEST FOR EACH CLASS OF CONCRETE PLACED ON ANY U/A OR CLASS AS DETERMINED BY THE CONTRACTOR WITH HIGH-PERFORMANCE OR HIGH STRENGTH CONCRETE IS INVOLVED OR WHEN STRUCTURAL REQUIREMENTS OR SPECIAL THE DESIGN OF THE PROJECT WARRANTS FREQUENCY OF TESTING, WHICH SHALL BE DETERMINED IN THE CONTRACT DOCUMENTS.
6. UNLESS OTHERWISE SHOWN, CONCRETE WALL TO BE REINFORCED WITH:
- 100 x 9.5mm @ 400mm C/WAY
7. 50G 2-20MM COT AT TOPS AND ENDS OF WALLS. UNLESS OTHERWISE NOTED: 1500 AND 100mm @ 400mm C/WAY
- | BAR SIZE | VERT LAG | HORIZ LAG | HOOK LENGTH |
|----------|----------|-----------|-------------|
| 10M | 150mm | 150mm | 150mm |
| 12M | 200mm | 200mm | 250mm |
8. 150G 2-10MM PARALLEL TO EACH SIDE OF OPENINGS IN WALLS AND SLABS, EXTENDING 1000mm BEYOND CORNERS UNLESS OTHERWISE SHOWN.
9. REINFORCING SHALL BE PLACED AND BENT IN ACCORDANCE WITH CSA A23.1.
10. REINFORCING BARS SHALL BE ACCURATELY PLACED, ADEQUATELY SUPPLIED, AND SECURED AGAINST DISPLACEMENT PRIOR TO PLACING OF CONCRETE.
11. EPOX ADHESIVE SET REINFORCING BAR USE HILTI HIT HY150 MAX INJECTION ADHESIVE SYSTEM OR APPROVED EQUIV. INSTALL STRUTTING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
12. NON ADHESIVE SET IMBEDDED ANCHORS (U/A HILTI HIT HY150 MAX INJECTION ADHESIVE SYSTEM WITH ANCH A135B7) (A23.3) THROUGH JOINTS OR APPROVED EQUIV. INSTALL STRUTTING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
13. ALL CONCRETE IS TO BE VIBRATED.



RE-POINT CRACKED MASONRY JOINTS AT SOUTH END
OF WEST WALL AS DIRECTED BY ENGINEER ON SITE.
ASSUME 3 LINEAL METRES OF JOINT RE-POINTING.

CONTRACTOR IS RESPONSIBLE FOR THE DESIGN &
CERTIFICATION OF GWM-HIF BY GEOTECHNICAL ENGINEER.
UNFACTORED COMPRESSION LOAD OF 200 kN MINIMUM.
SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH
SPECIFICATION SECTION 01 43 00.



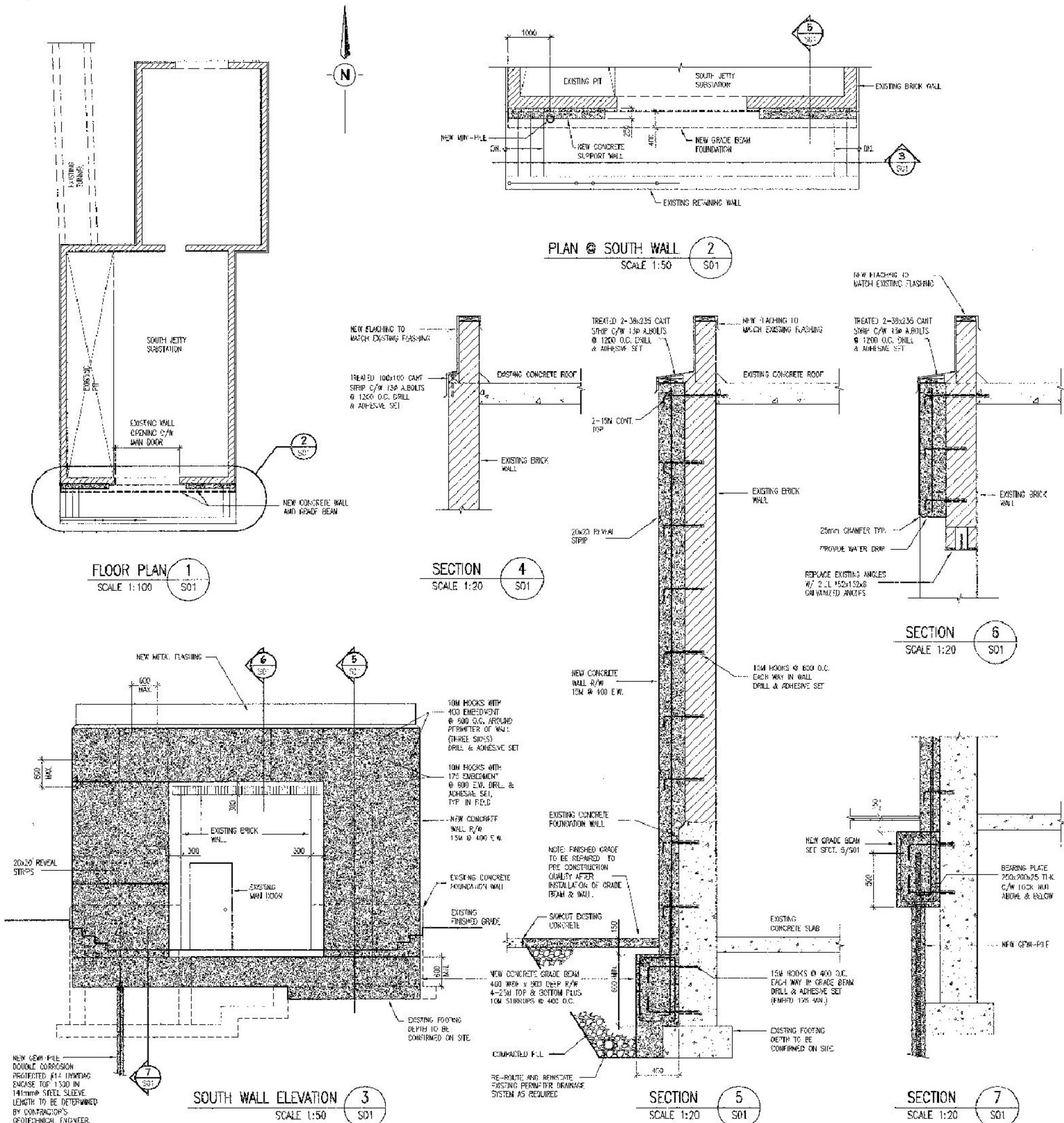
ROOF PLAN

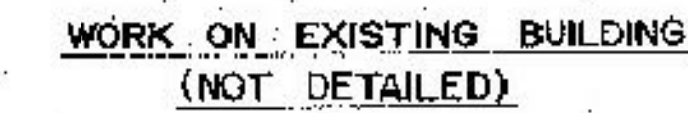
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8

501


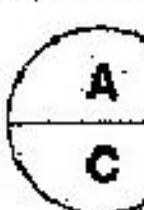
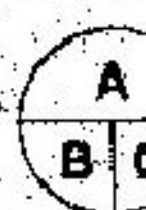
FOR REFERENCE ONLY
DRAWING NO : S01





1. REMOVE EXISTING ROOFING, FLASHING, ETC.
REPLACE WITH NEW 5 YEAR BUNDLED ROOF,
SEE SPECIFICATION.
2. EXAMINE EXISTING MASONRY & REPAIR ANY
SIGNIFICANT DEFECTS, RE-POINT ANY DETERIORATED
MORTAR JOINTS, REMOVE MISC. FIXTURES & MAKE
GOOD.
3. SMOOTH TREAT ALL NEW & EXISTING EXTERIOR
MASONRY SURFACES.
4. RECONSTRUCT & REPAIR EXISTING WINDOWS, VENTS,
NEW DOORS, EXISTING DOORS (INSIDE & OUT), ETC.
(THAT ARE TO REMAIN).

NOTE "EXISTING BUILDING" IS THE SOUTH SIDE SUBSTATION
RECTIFIER HOUSE

 INSTALLED TO CONTRACTOR'S NO. MUST BE MAINTAINED	
revisions	date
 A. detail no. no. du détail B. positive drawing no. no. du dessin C. drawing no. dessin no.	 A B C
project	project
ESQUIMALT GRAVING DOCK ESQUIMALT, B. C.	
MODERNIZATION OF ELECTRICAL DISTRIBUTION & AREA LIGHTING	
drawing	version
PHASE VII SOUTH SIDE POWER CONVERSION	
STRUCTURAL CHANGES	
designed	checked
B. D. WRIGHT	
date	
5-28-62	
drawn	checked
S. UNGER	
date	
5-28-62	
rechecked	approved
R. FREUNDLICH	
date	
5-28-62	
checked	approved
A. DERAGOFFIN	
checked	approved
D. HARRIS	
P.W.G. Project Manager /	
Adm. Contrôleur des projets P.W.G.	
project number / no. du projet	
PR 010214	
drawing no.	sheet number
W-S-1	

5	ISSUED FOR TENDER		20160128
4	ISSUED FOR 80% CD REVIEW		20160206
3	ISSUED FOR 60% CD REVIEW		20161125
2	ISSUED FOR 30% CD REVIEW		20161028
1	ISSUED FOR DESIGN DEVELOPMENT		20160919
Revision/ Revised	Description/Description		Date/Date

**ESQUIMALT
GRAVING DOCK**

**825 ADMIRALS ROAD
VICTORIA, BC, V9A 2P1**

Project title/Titre du projet

**825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE**

**SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)**

Consultant Signature Box Only

Designed by/Concept par

Drawn by/Dessine par

PWGSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

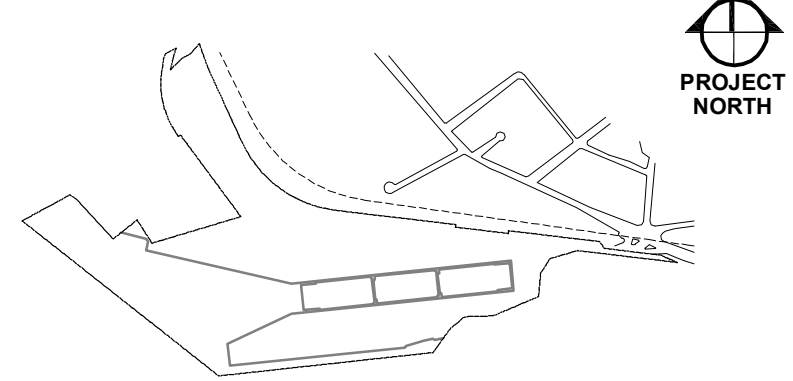
PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régional, Services d'architecture et de génie, TPSGC
Preitpal Paul

EXISTING SOUTH SIDE POWER CONVERSION STRUCTURAL CHANGES

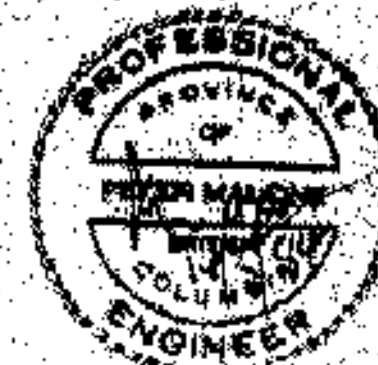
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.062548.002	5960	5

FOR REFERENCE ONLY
DRAWING NO : W-S-I

KEYPLAN



KER PRIESTMAN & ASSOCIATES LTD
 consulting engineers
 VICTORIA VANCOUVER PRINCE RUPERT
 FILE NO. 25125



P	AS-BUILT	1/1/84
A	BEARING PLATE SIZE AMENDED	1/1/84
revisions		date

☐ **A** **C**
 A circle divided into two equal halves by a horizontal line. The top half is labeled 'A' and the bottom half is labeled 'C'.

☐ **A** **B** **C**
 A circle divided into three equal parts by two lines meeting at the center. The top part is labeled 'A', the bottom-left part is labeled 'B', and the bottom-right part is labeled 'C'.

Client/client

ESQUIMALT GRAVING DOCK

825 ADMIRALS ROAD
VICTORIA, BC, V9A 2P1

Project title/Titre du projet
825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE

**SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)**

Consultant Signature Box Only

Designed by/Concept par

Drawn by/Dessine par

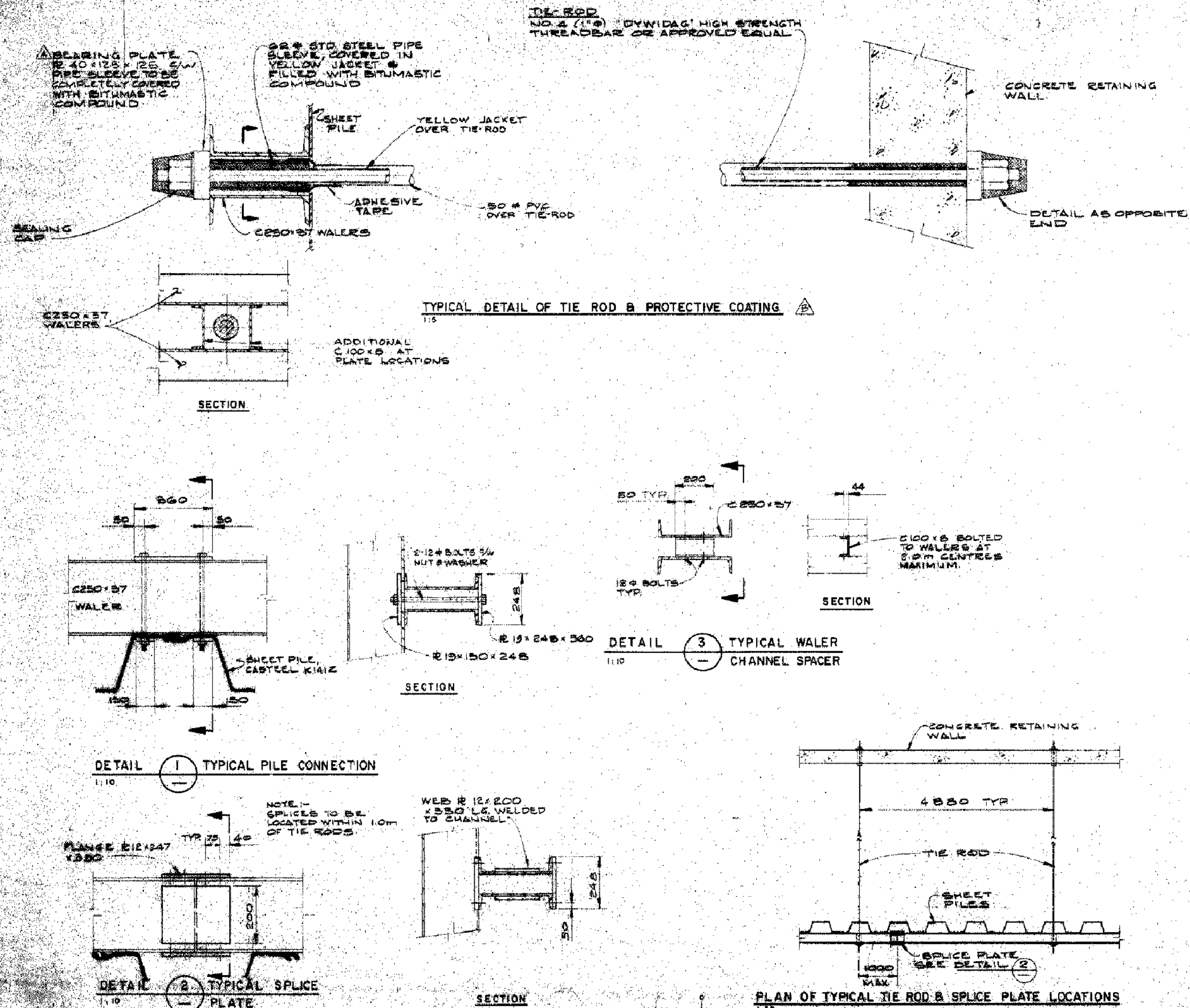
PWGSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Preetipal Paul

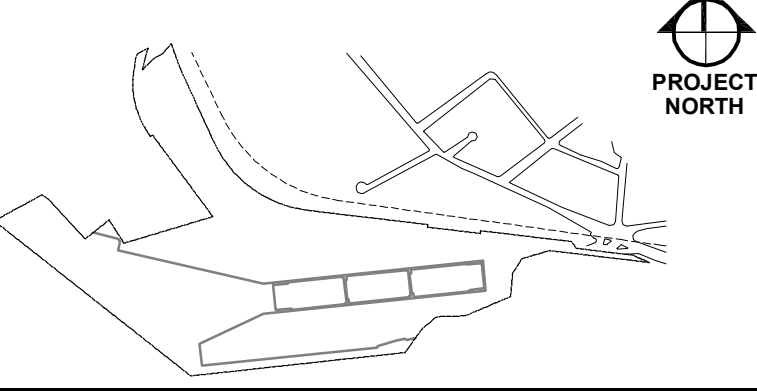
Drawing title/Titre du dessin

IMPROVEMENTS TO SOUTH LANDING WHARF EAST INFILL AREA SHEET PILING DETAILS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.062548.002	5961	3



FOR REFERENCE ONLY
DRAWING NO : 22 OF 75



revisions	date
A detail no. no. du detail	
B location drawing no. sur dessin no.	
C drawing no. dessin no.	

project	project
ESQUIMALT GRAVING DOCK ESQUIMALT, B.C.	

STANDBY POWER SYSTEM
IMPROVEMENTS

Project title/Titre du projet
825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY UPGRADE

NEW SOUTH SIDE
GENERATOR BUILDING
PLANS, ELEVATIONS &
FOUNDATION DETAILS

Consultant Signature Box Only

Designed by/Concept par

Drawn by/Dessiné par

PWSSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

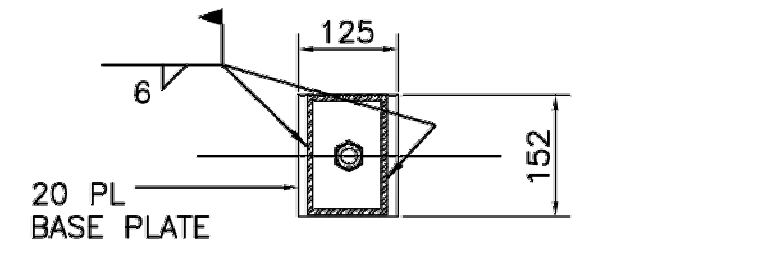
PWSSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Prestipal Paul

Drawing title/Titre du dessin
SOUTH SIDE GENERATOR
BUILDING PLANS, BUILDING
ELEVATION & FOUNDATION
DETAILS

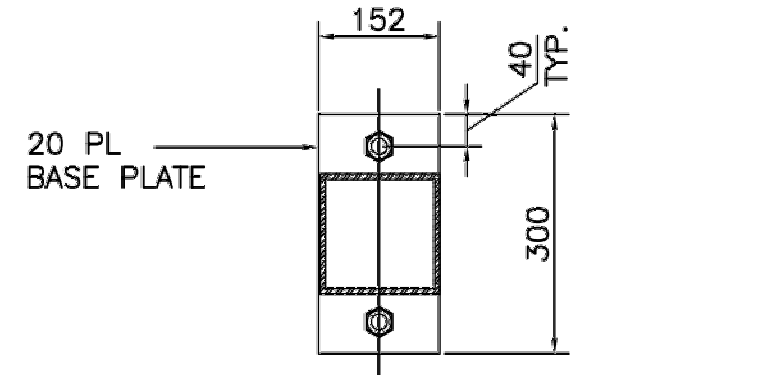
Project No./No. du projet
R.062548.002

Revision no./
No. de révision
5962

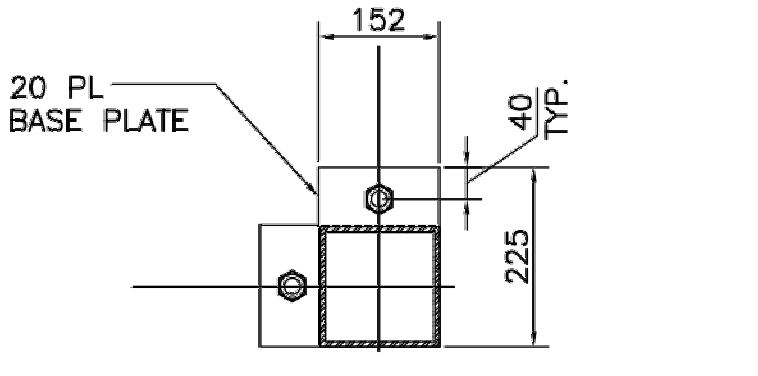
Sheet/Feuille
3



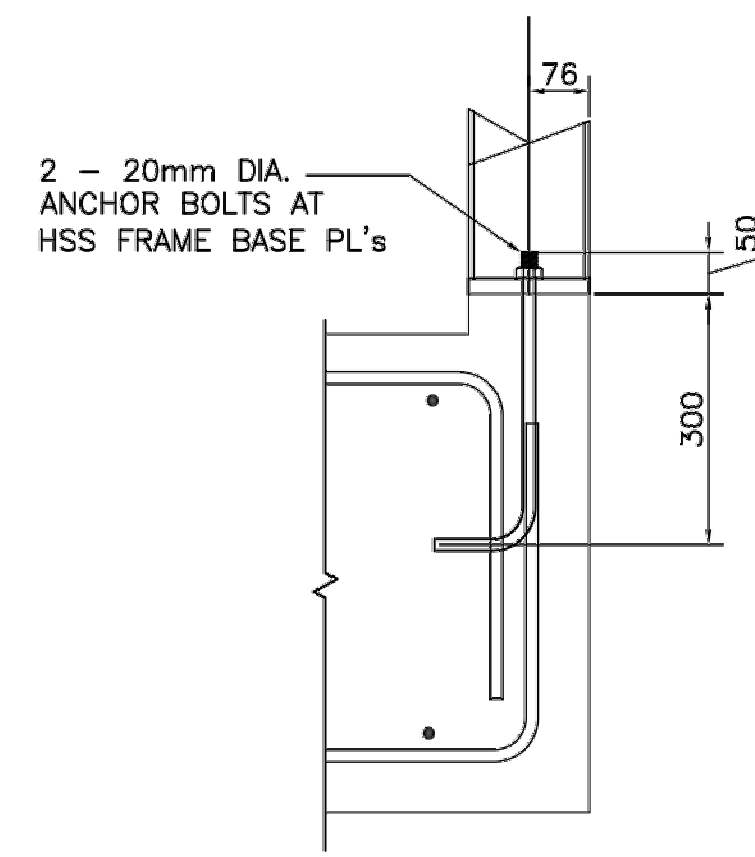
END BASE PL
PLAN DETAIL
SCALE 1:10



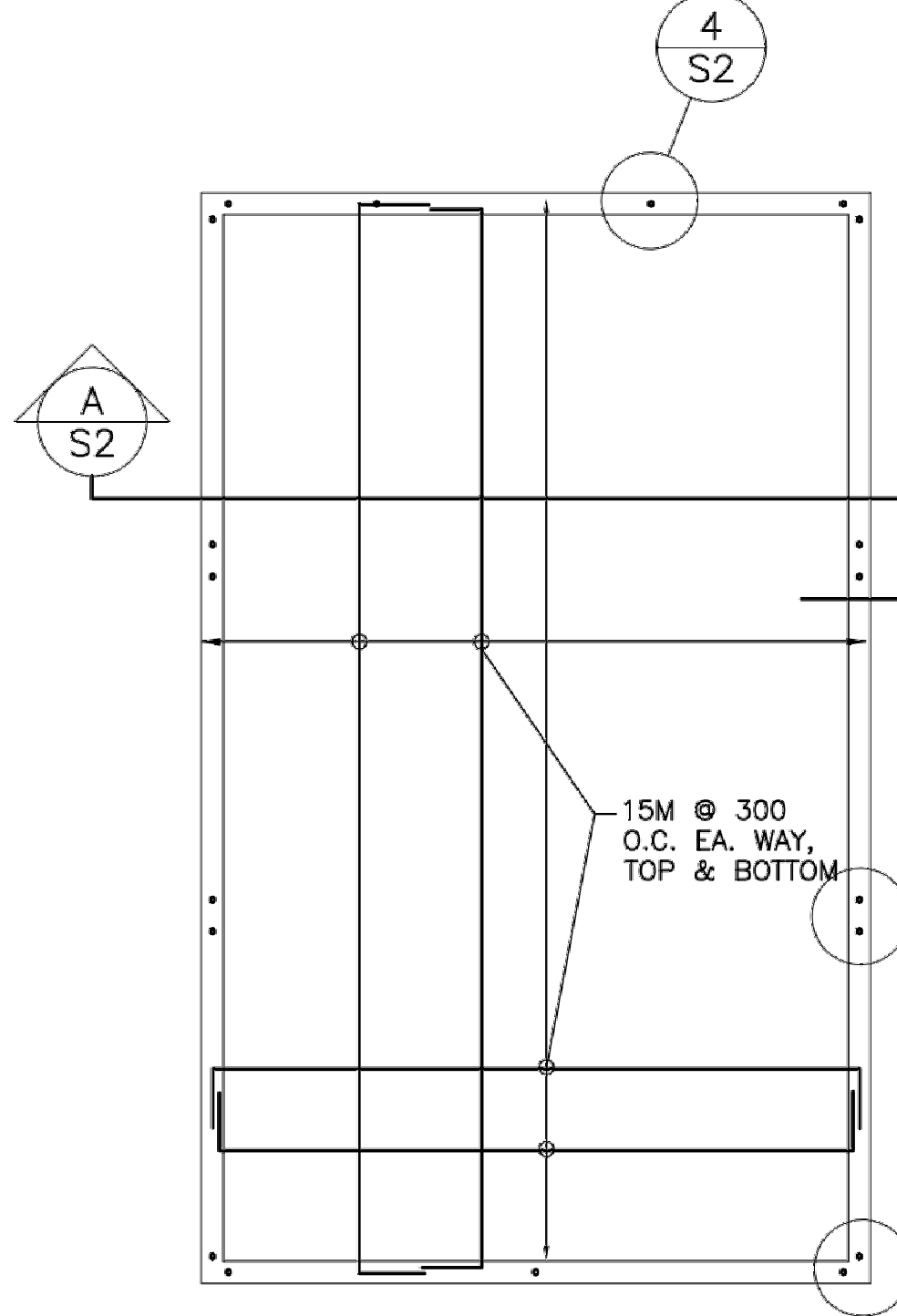
SIDE BASE PL
PLAN DETAIL
SCALE 1:10



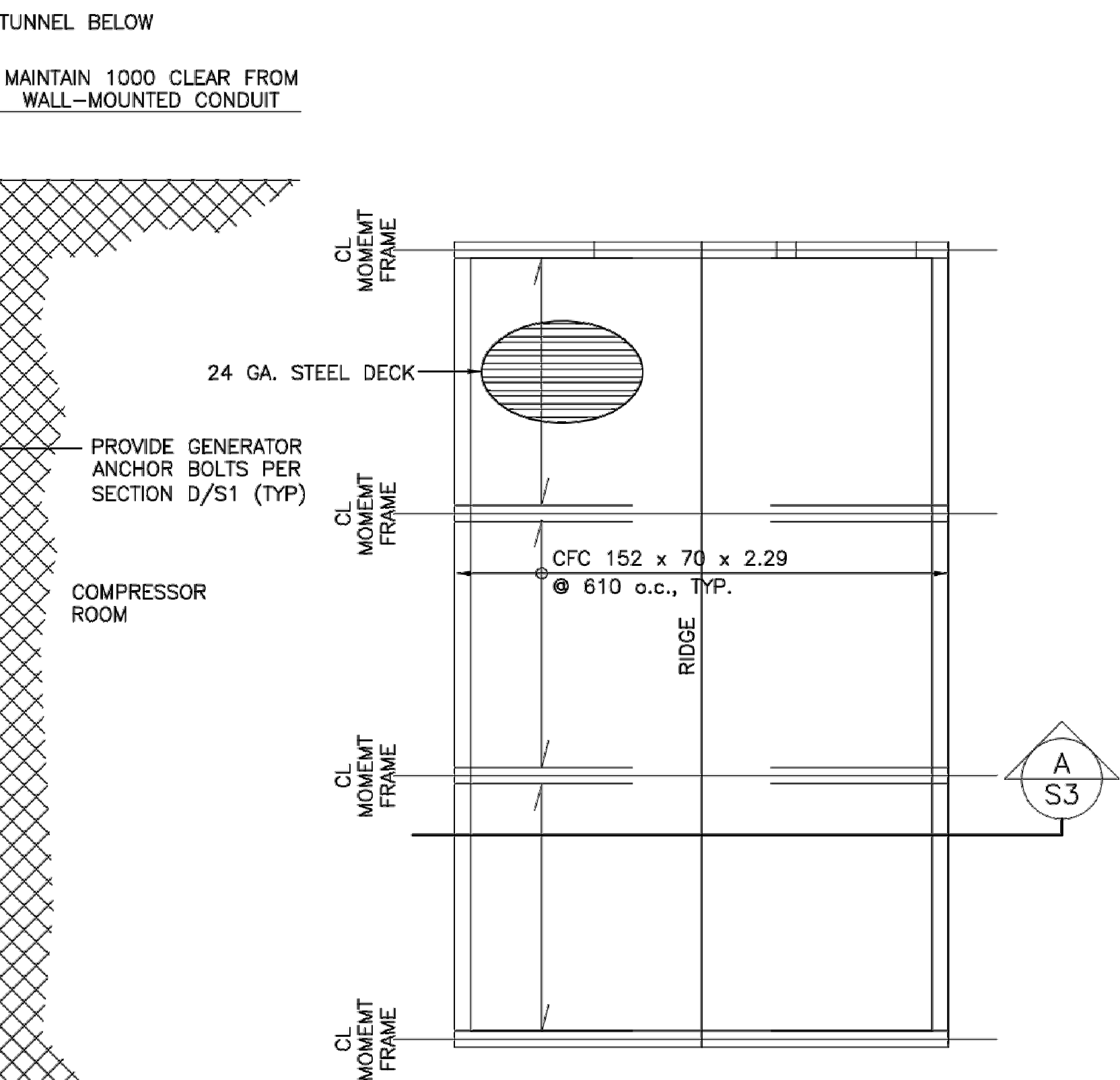
CORNER BASE PL
PLAN DETAIL
SCALE 1:10



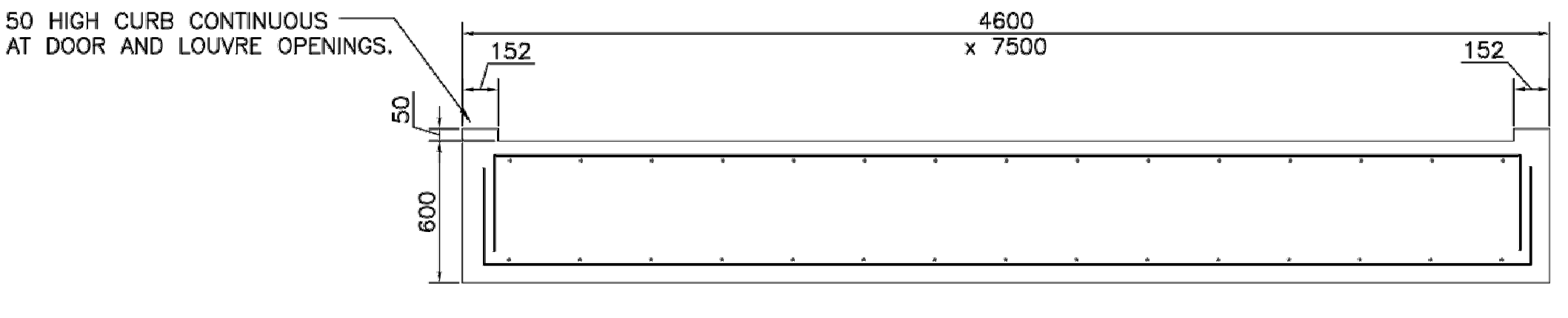
SECTION B
SCALE 1:10



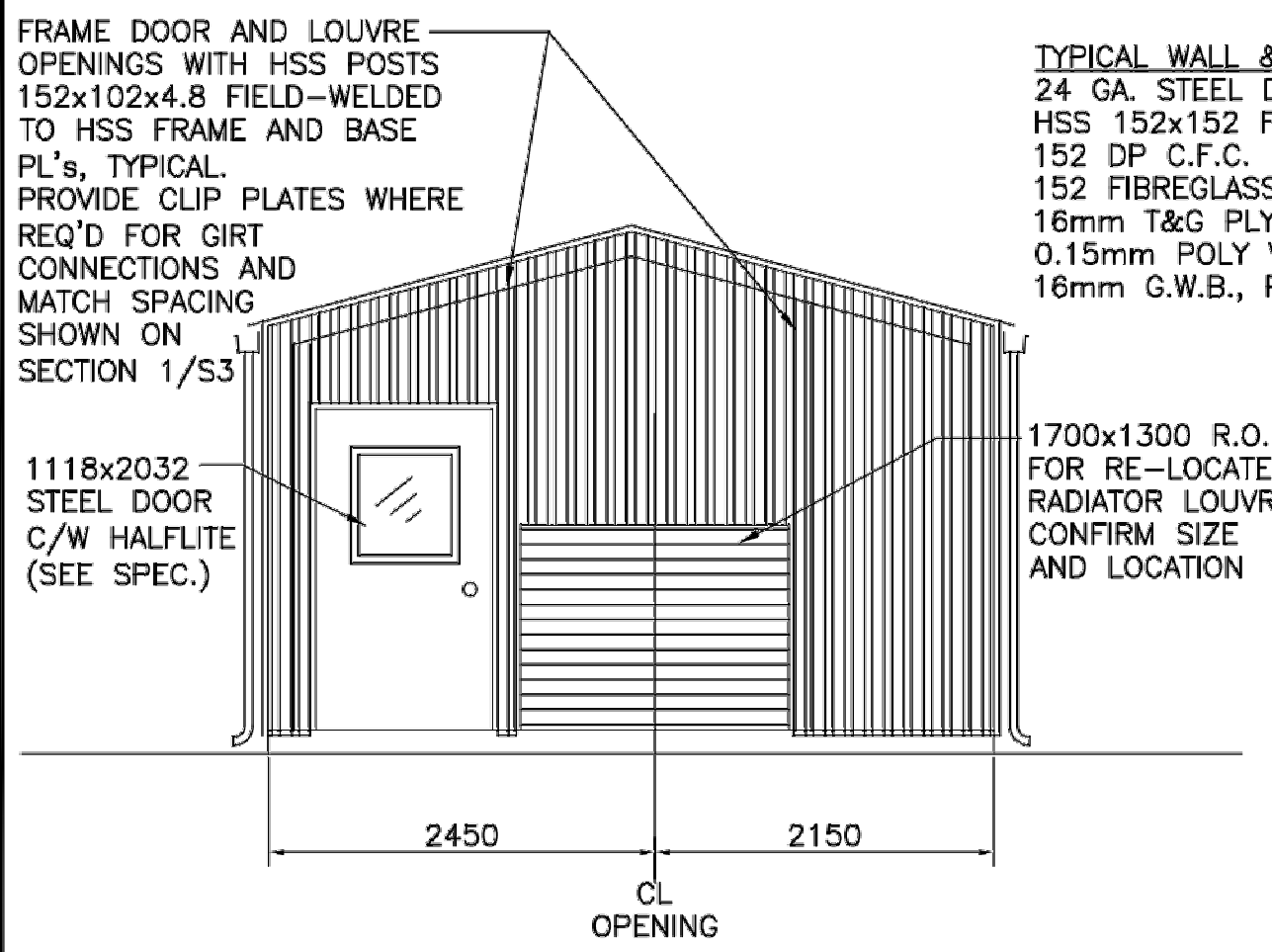
RAFT FOUNDATION
REINFORCING PLAN
SCALE 1:50



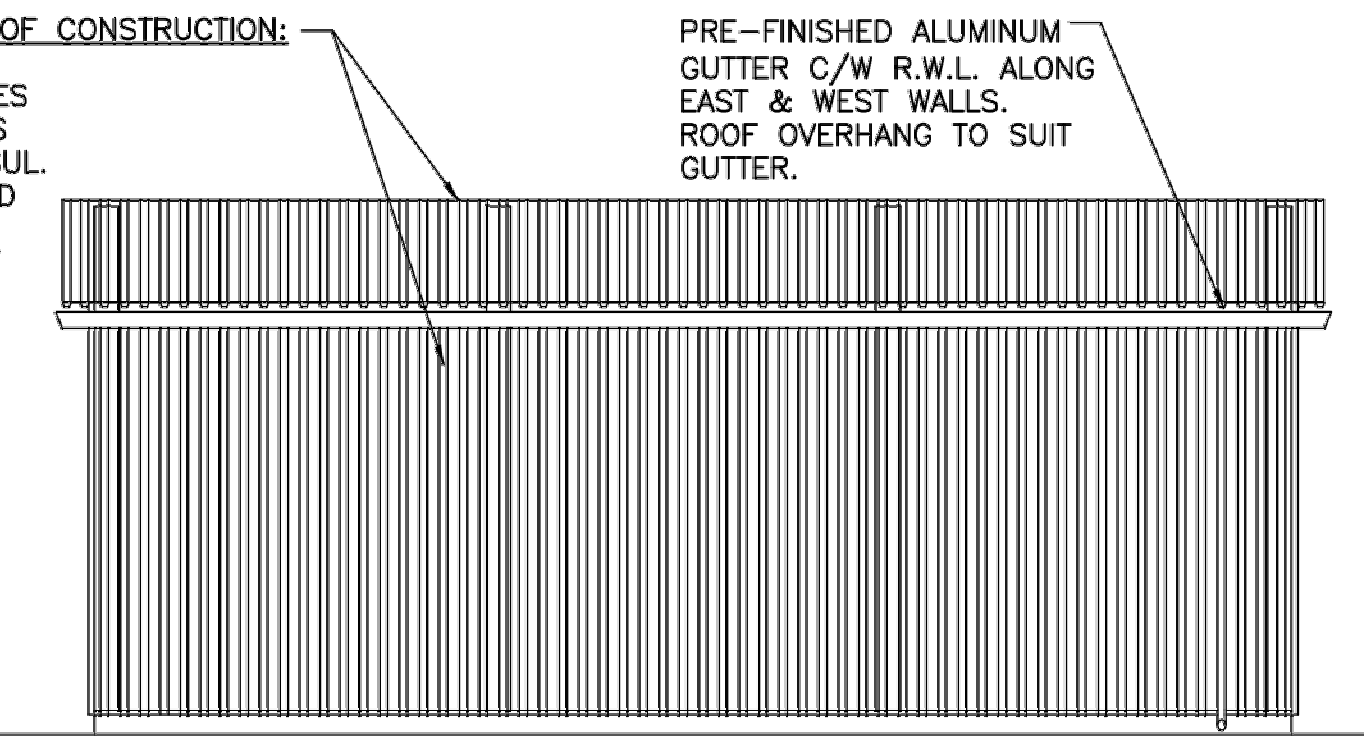
ROOF PLAN
SCALE 1:50



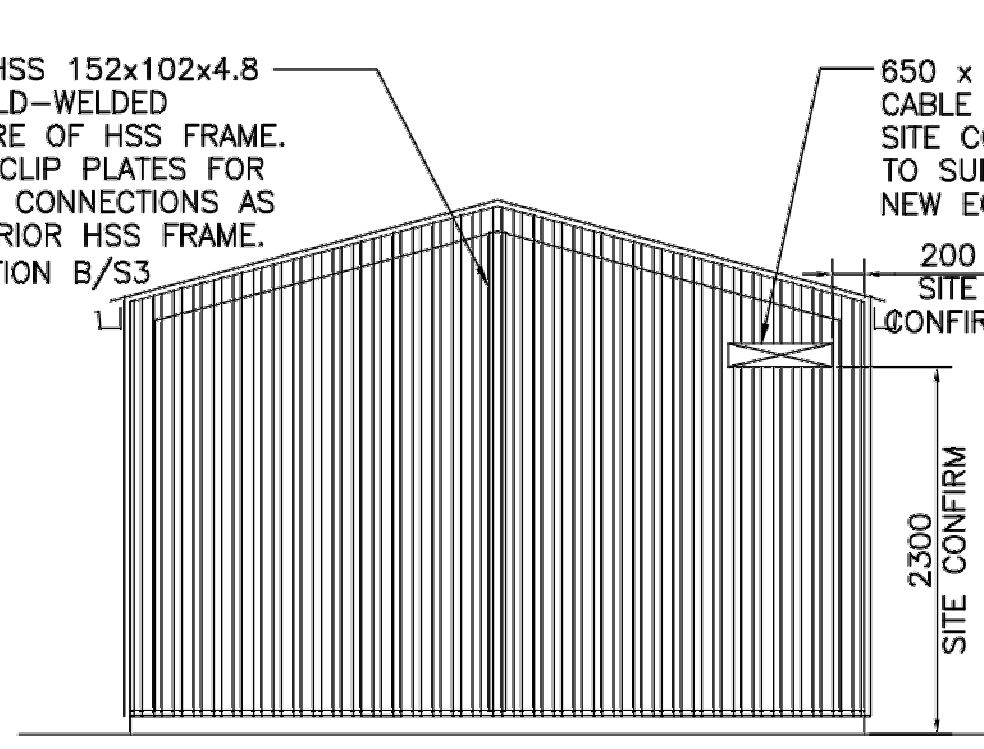
RAFT FOUNDATION
SECTION A
SCALE 1:25



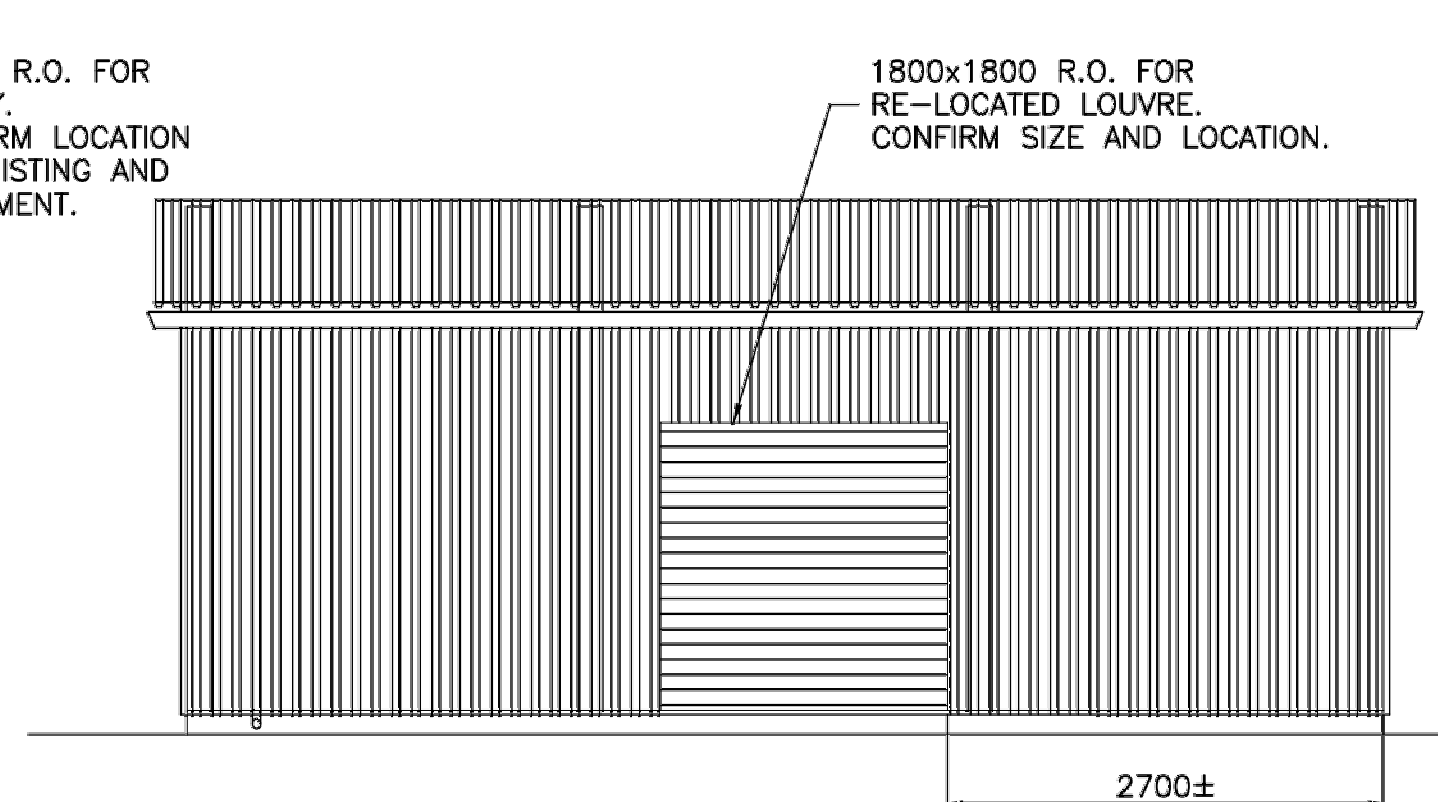
NORTH ELEVATION
SCALE 1:50



EAST ELEVATION
SCALE 1:50



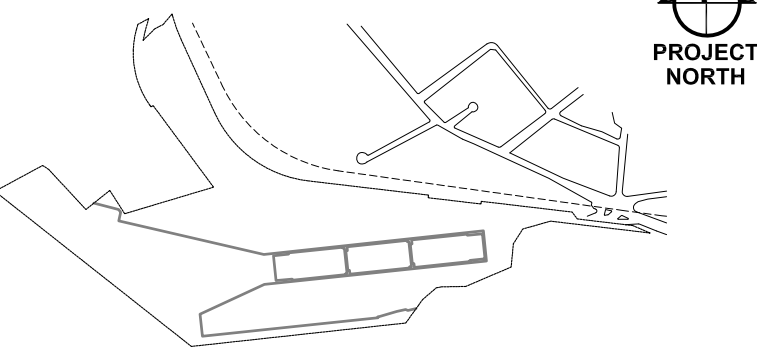
SOUTH ELEVATION
SCALE 1:50



WEST ELEVATION
SCALE 1:50



FOR REFERENCE ONLY
DRAWING NO : S2



Revisions	Description	Date
1	ISSUED FOR TENDER	2010/01/28
2	ISSUED FOR 80% CD REVIEW	2010/01/28
3	ISSUED FOR 80% CD REVIEW	2010/01/28

Revisions	Description	Date
1	ISSUED FOR 80% CD REVIEW	2010/01/28
2	ISSUED FOR 80% CD REVIEW	2010/01/28

ESQUIMALT
GRAVING DOCK

825 ADMIRALS ROAD
VICTORIA, BC, V9A 2P1

Project title/Titre du projet
825 ADMIRALS ROAD VICTORIA BC
ESQUIMALT GRAVING DOCK
ELECTRICAL SAFETY DOCK

SOUTH SUBSTATION
SWITCHGEAR
REPLACEMENT PROJECT
(SSSR)

Consultant Signature Box Only

Designed by/Concept par

Drawn by/Dessiné par

PWOSC Project Manager/Administrateur de Projets TPSGC
Jamie LeBlanc

PWOSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Prestipal Paul

Drawing title/Titre du dessin

IMPROVEMENT TO SOUTH
LANDING WHARF
EAST INFILL AREA
GENERAL ARRANGEMENT

Project No./No. du projet
R.062548.002

Sheet/Feuille
5963

Revision no./
No. de révision
3

