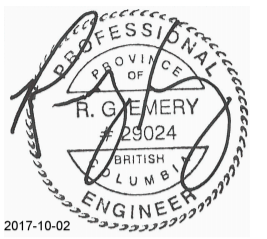


PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

REPLACE DOCK SILL GUARD RAILS



LOCATION PLAN
SCALE: NTS

Revision/	Description/Description	Date/Date
2	ISSUED FOR TENDER	2017.10.02
1	ISSUED FOR 90% REVIEW	2017.06.19

Client/client

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
**ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD
ESQUIMALT, BC V9A 2P1**
REPLACE DOCK SILL GUARD RAILS

Consultant Signature Only
RANDALL EMERY

Designed by/Concept par
CHELSEA PATON

Drawn by/Dessiné par
ROD MAR

PWGSC Project Manager/Administrateur de Projets TPSGC
JON SISKKA

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC

Drawing title/Titre du dessin

LOCATION PLAN & DRAWING LIST

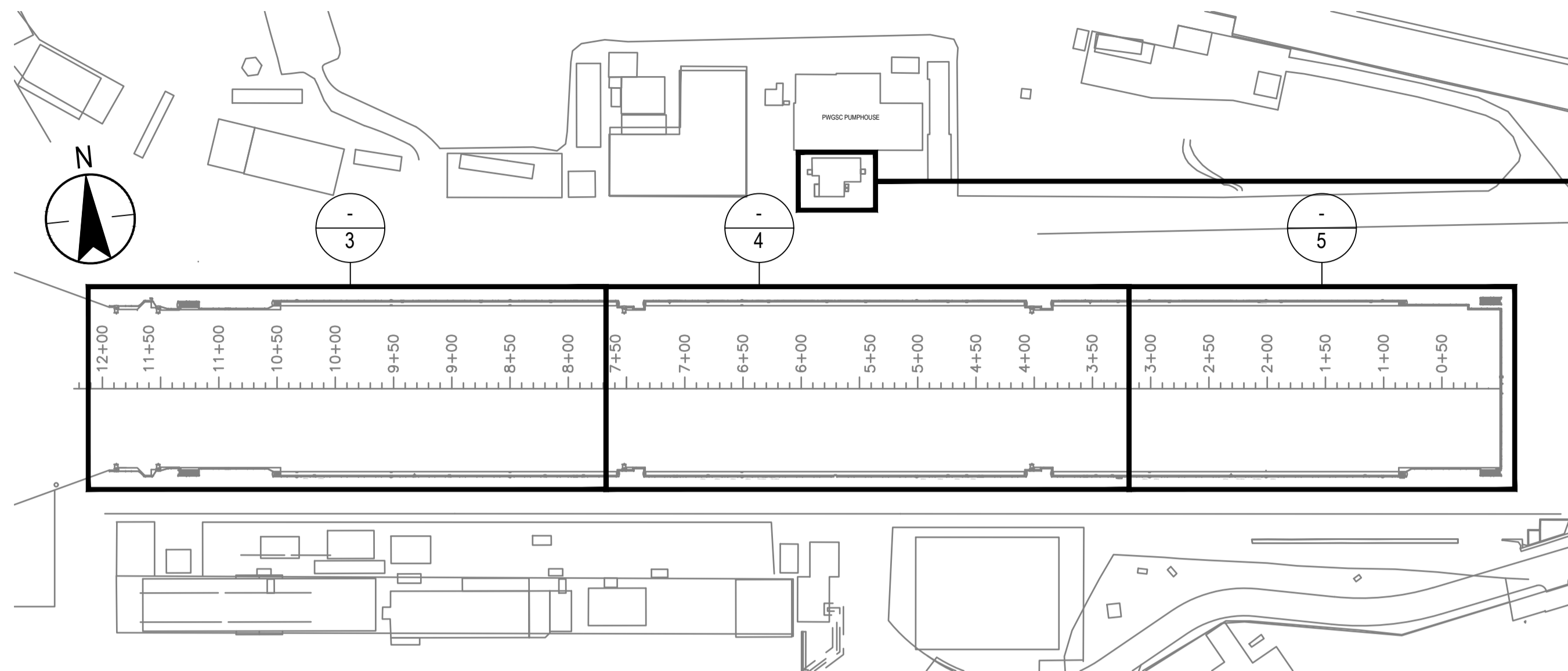
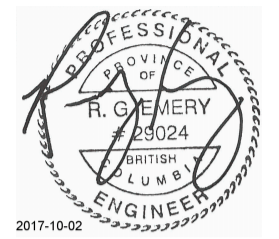
SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
01	LOCATION PLAN & DRAWING LIST
02	KEY PLAN, TABLES AND NOTES
03	PART PLANS ON GUARDRAILS STA 12+10 TO 7+70
04	PART PLANS ON GUARDRAILS STA 7+70 TO 3+30
05	PART PLANS ON GUARDRAILS STA 3+30 TO 0+00
06	DOCK STAIRS AND LADDERS ELEVATIONS, SECTIONS AND DETAILS
07	GUARDRAIL SECTIONS AND DETAILS
08	MAIN GRAVING DOCK STAIRWELL PLANS, SECTIONS AND DETAILS
09	EXTERIOR STAIRWELL PLANS, SECTIONS AND DETAILS

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.090420.001	01	2

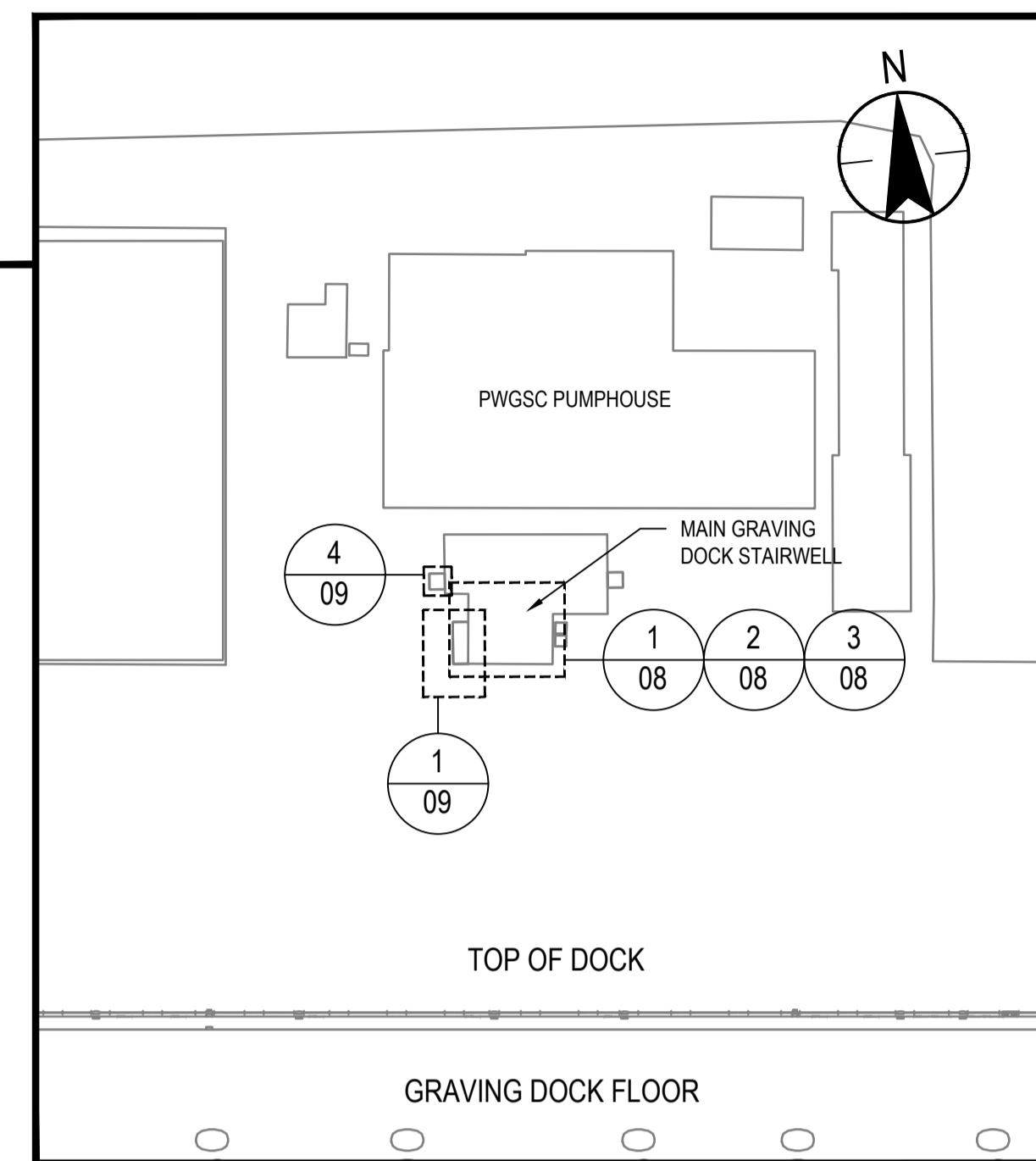




JOB No. 171-08146-01



KEY PLAN
SCALE: NTS



MAIN GRAVING DOCK STAIRWELL PLAN
SCALE: NTS

CONTRACTORS WORK SITE:

- CONTRACTORS WORK SITE IS LOCATED AROUND THE SURFACE LEVEL PERIMETER, AND VERTICAL FACES OF THE ESQUIMALT GRAVING DOCK, INCLUDING AREAS OF THE DRY DOCK FLOOR AND OTHER LOCALIZED AREAS WITHIN THE SITE ASSOCIATED WITH ACCESS POINTS TO THE DRY DOCK FLOOR.

GENERAL NOTES:

- DRY DOCK STATIONING AND LAYOUT DIMENSIONS ARE IN FEET. NEW GUARDRAIL PANEL DIMENSIONS ARE IN mm.
- OVERALL PANEL LENGTH IS MEASURED TO CENTRE LINE OF POST WHEN NO CANTILEVER IS REQUIRED
- (XXXXmm) = CENTRE TO CENTRE POSTS (NOT AS TABULATED) (INFO ONLY)
- LAYOUT OF EXISTING DOCK, RECESSES AND ATTACHMENTS, TO BE CONFIRMED BY CONTRACTOR PRIOR TO CORING POST HOLES AND PRIOR TO FABRICATION OF GUARDRAIL PANELS.
- WHERE REPLACEMENT GUARDRAILS ARE REQUIRED, POST CENTRES ARE TO BE DETERMINED BY SITE MEASURE OF CENTRE TO CENTRE OF CORED HOLES.

DESIGN LOADS:

- GUARD RAILS LOADS IN ACCORDANCE WITH THE WORKSAFE BC AND CANADIAN LABOUR CODE OCCUPATIONAL HEALTH AND SAFETY REGULATIONS AS FOLLOWS:
 - CLC = STATIC LOAD OF 0.89 KN APPLIED IN ANY DIRECTION AT ANY POINT ON THE TOP RAIL. WORKSAFE BC = LOAD OF 0.55 KN AT ANY POINT, APPLIED HORIZONTALLY AND NORMAL TO THE SPAN OF THE RAIL AND A VERTICAL DOWNWARD LOAD OF 1.5 KN/M ALONG THE TOP RAIL. HORIZONTAL AND VERTICAL LOADS ARE NOT CONCURRENT.
 - STAIR LIVE LOAD = 4.8 KPA
 - STAIR HANDRAILS = 1.3 KN LOAD APPLIED VERTICALLY OR HORIZONTALLY AT ANY POINT ALONG THE HANDRAIL.
 - LADDER LIVE LOAD = 2 LOADS OF 1.11 KN EACH CONCENTRATED BETWEEN ANY 2 CONSECUTIVE ATTACHMENTS.

CONDITION	CONCURRENT SINGLE ANCHOR LOADS		LOCATION
	FACTORED TENSION (kN)	FACTORED SHEAR (kN)	
GUARDRAIL FACEPLATE AT STAIRS	6	1	DETAIL 2B/07, TYP GUARDRAIL ANCHOR LOADS, UNO
GUARDRAIL FACEMOUNT AT STAIRS	3	3	DETAIL 1 & 4/07
GUARDRAIL BASEPLATE AT STAIRS	6	2	DETAIL 1 & 5/07
GUARDRAIL FACEPLATE AT STAIRS	3	1	DETAIL 2C/07
GUARDRAIL 2-BOLT BASEPLATE	1	1	DETAIL 1/09
HANDRAIL FACEPLATE	1	1	DETAIL 8/08, TYP HANDRAIL ANCHOR LOADS, UNO
STAIR PANELS	5	2	DETAIL 5/08 TYP STAIR ANCHOR LOADS SHEET 08, UNO
LADDER ANCHORS	0.5	1.65	DETAIL 10/06, TYP UNO

TYPE	No. EXISTING	OVERALL PANEL LENGTH	END CANTILEVER	CENTRE BAY POST - POST C/C	END CANTILEVER
A	65	4400	700	3000	700
B1	1	4000	700	2600	700
B2	1	816	0	816	0
C	1	3241	700	2541	0
D	6	2881	700	2181	0
E	1	2286	0	2286	0
F	1	3000	0	3000	0
G	1	1105	0	1105	0
H	2	3245	700	1845	700
I	6	3684	700	2984	0
J	4	3177	700	2477	0
K	2	2536	700	1836	0
L1	8	2290	300	1990	0
L2	4	997	0	997	0
M	4	2874	700	2174	0
N	2	3185	700	2485	0
O	2	4115	700	2715	700
P	5	3974	700	2574	700
Q	2	2399	700	1699	0
R	2	2569	700	1699	0
S	4	3074	700	2374	0
T	4	3989	700	2589	700
U	2	2926	700	2226	0
V	2	3110	700	2410	0
W	2	4096	700	2696	700
X	2	2656	700	1956	0
Y	2	3370	700	2670	0
Z	2	3099	700	2399	0

TABLE OF EXISTING GUARDRAIL PANEL TYPES (FOR REFERENCE ONLY)
SCALE: NTS

TYPE	No. EXISTING	OVERALL PANEL LENGTH	END CANTILEVER	CENTRE BAY POST - POST C/C	END CANTILEVER
AA	3	2158	0	2158	0
BB	2	2913	700	2213	0
CC	4	2881	700	2181	0
DD	3	1541	0	1541	0
EE	2	1591	0	1591	0
FF	4	3218	700	1818	700
GG	2	2150	0	2150	0
HH	2	1821	300	1521	0
II	2	2022	300	1722	0
JJ	2	1851	300	1551	0
KK	6	2620	700	1920	0
LL	2	1244	0	1244	0
MM	ZERO	2688	700	1988	0
NN	ZERO	2518	700	1818	0
OO	2	3810	700	2410	700
PP	4	3523	700	2823	0
QQ	6	4141	700	2741	700
RR	2	3487	700	2787	0
SS	3	2196	700	1496	0
TT	1	3505	700	2105	700
UU	2	2028	700	1328	0
VV	1	2050	0	2050	0
VVW	2	2991	700	2291	0

TYPE	No. EXISTING	OVERALL PANEL LENGTH	END CANTILEVER	CENTRE BAY POST - POST C/C	END CANTILEVER
A	10	4400	700	3000	700
B1	1	4000	700	2600	700
H	1	3245	700	1845	700
EE	2	1591	0	1591	0
LL	1	1244	0	1244	0
MM	6	2688	700	1988	0
NN	1	2518	700	1818	0

TABLES ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD CONFIRM ALL QUANTITIES AND LENGTHS OF NEW CABLE REQUIRED

PROVIDE NEW 10mm GALV. WIRE ROPES TO REPLACE EXISTING AT ALL EXISTING GUARDRAILS SURROUNDING DRYDOCK. REFER TO 8/07

LADDERS TO BE REPLACED			
LABEL	UPPER	MID	LOWER
N1	REPLACE**	OK	OK
N2	REPLACE**	OK	OK
N3	REPLACE**	OK	OK
N4	REPLACE**	OK	OK
N5	REPLACE**	REPLACE*	OK
N6	REPLACE**	REPLACE*	OK
N7	REPLACE**	REPLACE*	REPAIR CONNECTION INSTALL 2 ANCHORS SIM TO 10/06
N8	REPLACE**	REPLACE*	OK
S1	INSTALL 2 ANCHORS AT INTERMEDIATE CONNECTION. ANCHORS SIM TO 10/06	OK	OK
S2	INSTALL 2 ANCHORS AT INTERMEDIATE CONNECTION. ANCHORS SIM TO 10/06	OK	OK
S3	OK	OK	OK
S4	OK	OK	OK
S5	REPLACE**	REPLACE*	OK
S6	REPLACE**	REPLACE*	REPAIR CONNECTION INSTALL 2 ANCHORS SIM TO 10/06
S7	REPLACE**	REPLACE**	OK
S8	REPLACE**	REPLACE**	REPAIR CONNECTION INSTALL 2 ANCHORS SIM TO 10/06

* - OWNER SUPPLIED LADDER
** - CONTRACTOR SUPPLIED LADDER. SEE DETAIL 6/S09

Revision/Revision	Description/Description	Date/Date
2	ISSUED FOR TENDER	2017.10.02
1	ISSUED FOR 90% REVIEW	20170919

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
**ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD
ESQUIMALT, BC V9A 2P1**

REPLACE DOCK SILL GUARD RAILS

Consultant Signature Only
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Designed by/Concept par
CHELSEA PATON

Drawn by/Dessiné par
ROD MAR

PWGSC Project Manager/Administrateur de Projets TPSGC
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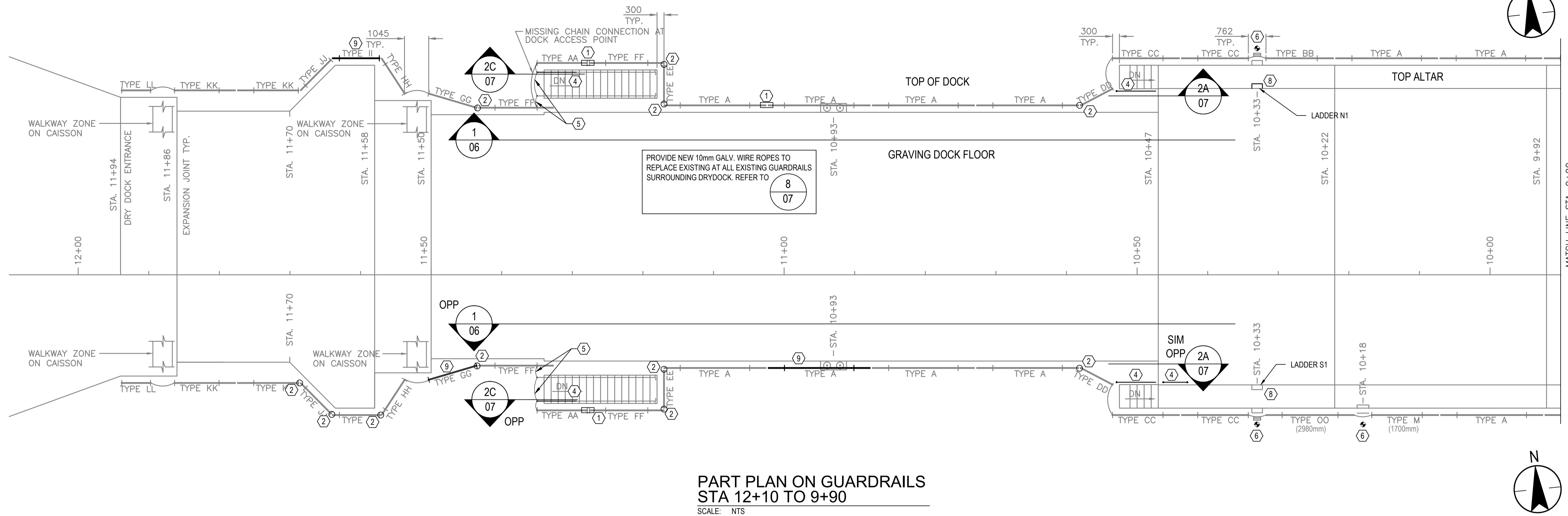
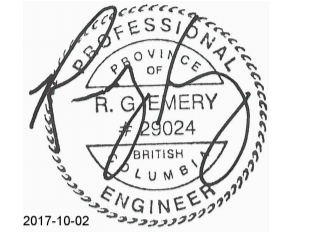
Drawing title/Titre du dessin
KEY PLAN, TABLES AND NOTES

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.090420.001	02	2

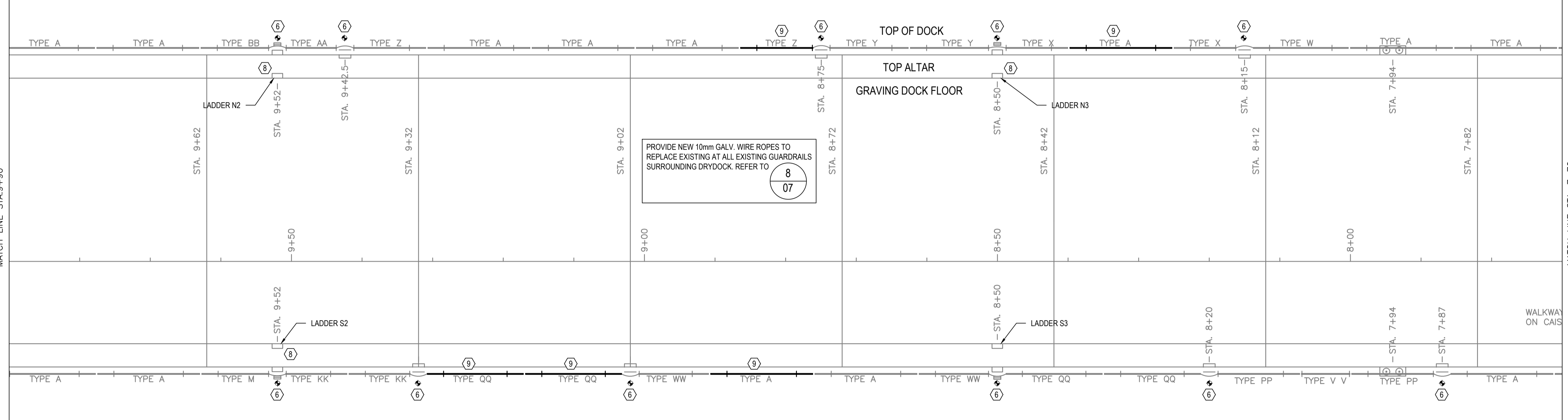




JOB No. 171-08146-01



**PART PLAN ON GUARDRAILS
STA 12+10 TO 9+90**
SCALE: NTS



**PART PLAN ON GUARDRAILS
STA 9+90 TO 7+70**
SCALE: NTS

- CONSTRUCTION NOTES:**
- ① NEW TOP RAIL TRANSITION. REFER TO DETAIL 6
07
 - ② NEW CHAIN. REFER TO DETAIL 7
07
 - ③ NEW FIXED RAIL ON ALTAR. REFER TO DETAIL. MODIFY EXISTING GUARD RAIL (EXTENSION) 1
07
 - ④ NEW HANDRAIL/ GUARDRAIL STYLE 7
07
 - ⑤ NEW REMOVABLE CHAINS FITTED, GUARDRAIL/HANDRAIL TO GUARDRAIL/HANDRAIL 7
07
 - ⑥ NEW FALL ARREST ANCHORS AT ALL LADDERS. REFER TO DETAIL 9
07 10
07
 - ⑦ NEW GUARD RAIL EXTENSION 1
07
 - ⑧ FULL HEIGHT VERTICAL LADDERS. REMOVE EXISTING AND REPLACE WITH NEW OR REPAIR SUPPORT CONNECTION. 10
06 AND 6
09
 - ⑨ REPLACE DAMAGED GUARDRAIL 8
07

Revision/Revisión	Description/Description	Date/Date
2	ISSUED FOR TENDER	2017.10.02
1	ISSUED FOR 99% REVIEW	2017.09.19

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
**ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD
ESQUIMALT, BC V9A 2P1**

REPLACE DOCK SILL GUARD RAILS

Consultant Signature Only
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Designed by/Concept par
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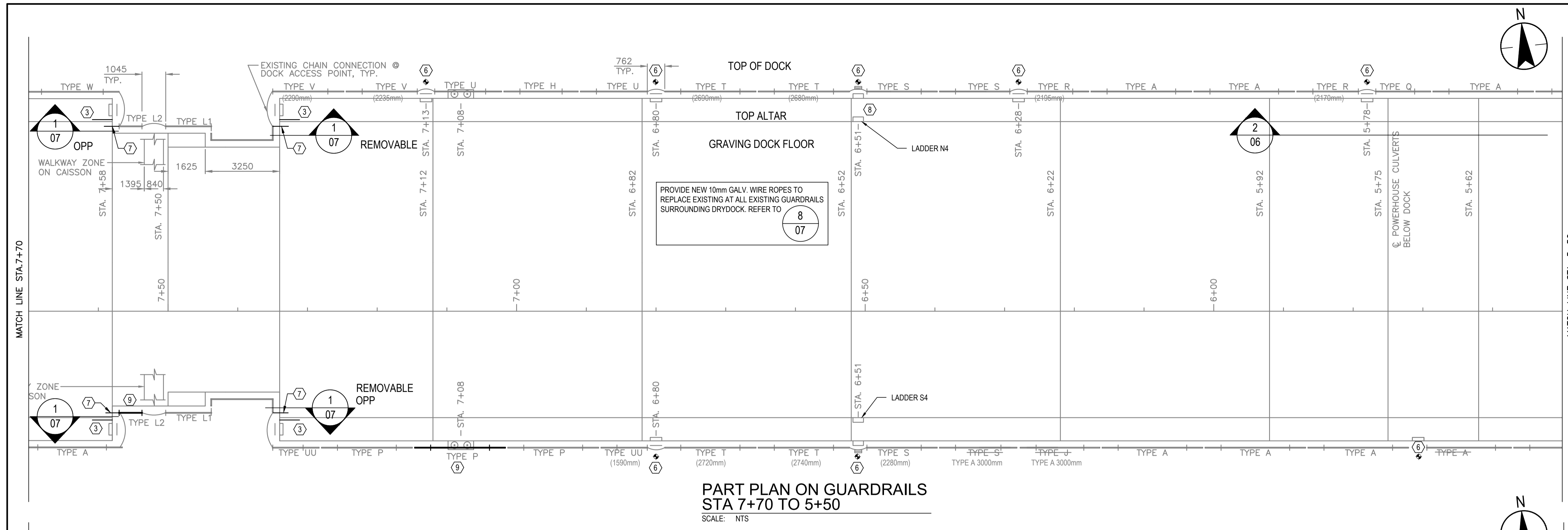
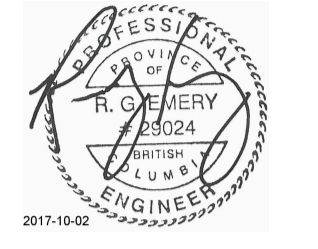
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**PART PLANS ON GUARDRAILS
STA 12+10 TO 7+70**

Project No./No. du projet R.090420.001	Sheet/Feuille 03	Revision no./La Révision no. 2
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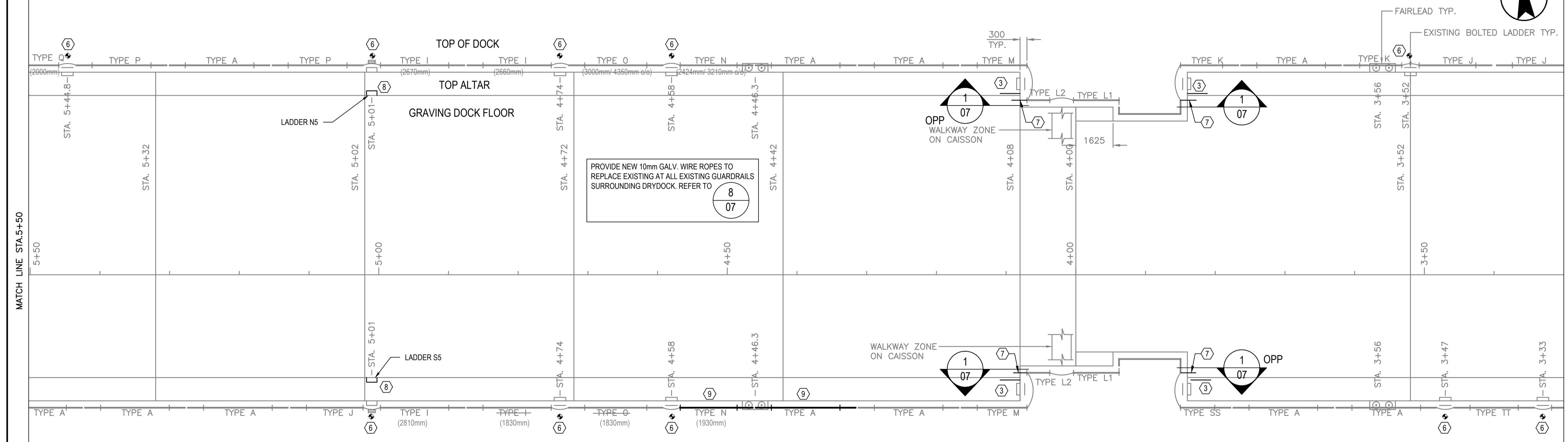




JOB No. 171-08146-01



**PART PLAN ON GUARDRAILS
STA 7+70 TO 5+50**
SCALE: NTS



**PART PLAN ON GUARDRAILS
STA 5+50 TO 3+30**
SCALE: NTS

CONSTRUCTION NOTES:

- ① NEW TOP RAIL TRANSITION. REFER TO DETAIL 6/07
- ② NEW CHAIN. REFER TO DETAIL 7/07
- ③ NEW FIXED RAIL ON ALTAR. REFER TO DETAIL. MODIFY EXISTING GUARD RAIL (EXTENSION) 1/07
- ④ NEW HANDRAIL/ GUARDRAIL STYLE 7/07
- ⑤ NEW REMOVABLE CHAINS FITTED. GUARDRAIL/HANDRAIL TO GUARDRAIL/HANDRAIL 7/07
- ⑥ NEW FALL ARREST ANCHORS AT ALL LADDERS REFER TO DETAIL 9/07 10/07
- ⑦ NEW GUARD RAIL EXTENSION 1/07
- ⑧ FULL HEIGHT VERTICAL LADDERS. REMOVE EXISTING AND REPLACE WITH NEW OR REPAIR SUPPORT CONNECTION 10/06 AND 6/09
- ⑨ REPLACE DAMAGED GUARDRAIL 8/07

Revision/Revisión	Description/Description	Date/Date
2	ISSUED FOR TENDER	2017.10.02
1	ISSUED FOR 95% REVIEW	2017.09.19

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
**ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD
ESQUIMALT, BC V9A 2P1**

REPLACE DOCK SILL GUARD RAILS

Consultant Signature Only
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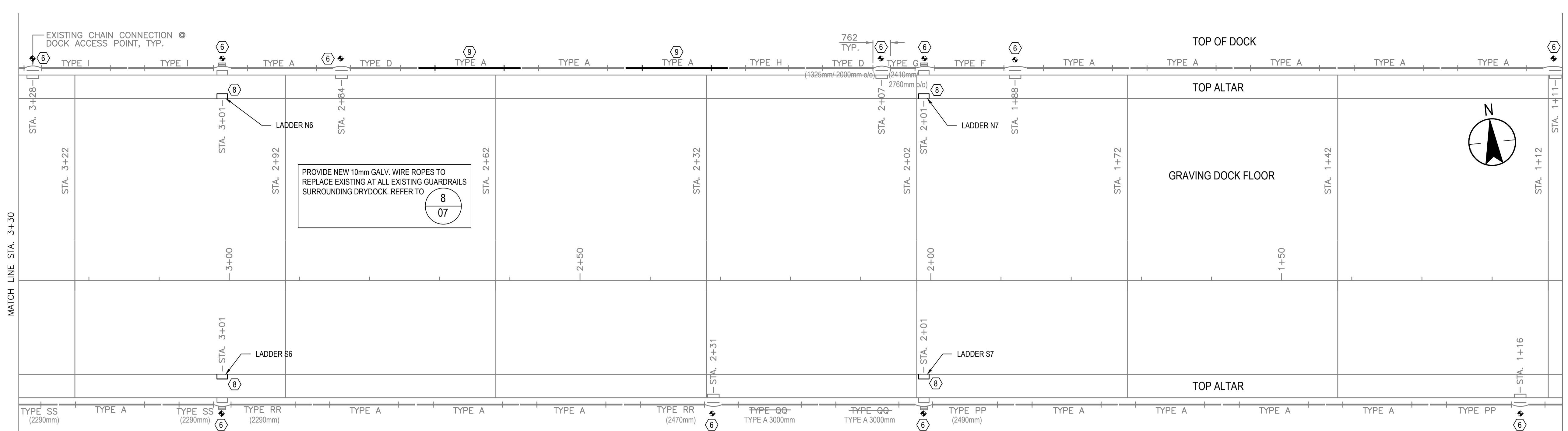
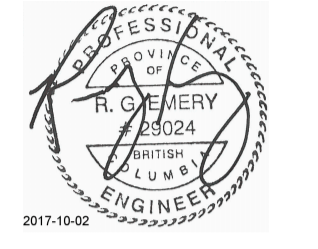
Drawing title/Titre du dessin
**PART PLANS ON GUARDRAILS
STA 7+70 TO 3+30**

Project No./No. du projet R.090420.001	Sheet/Feuille 04	Revision no./La Révision no. 2
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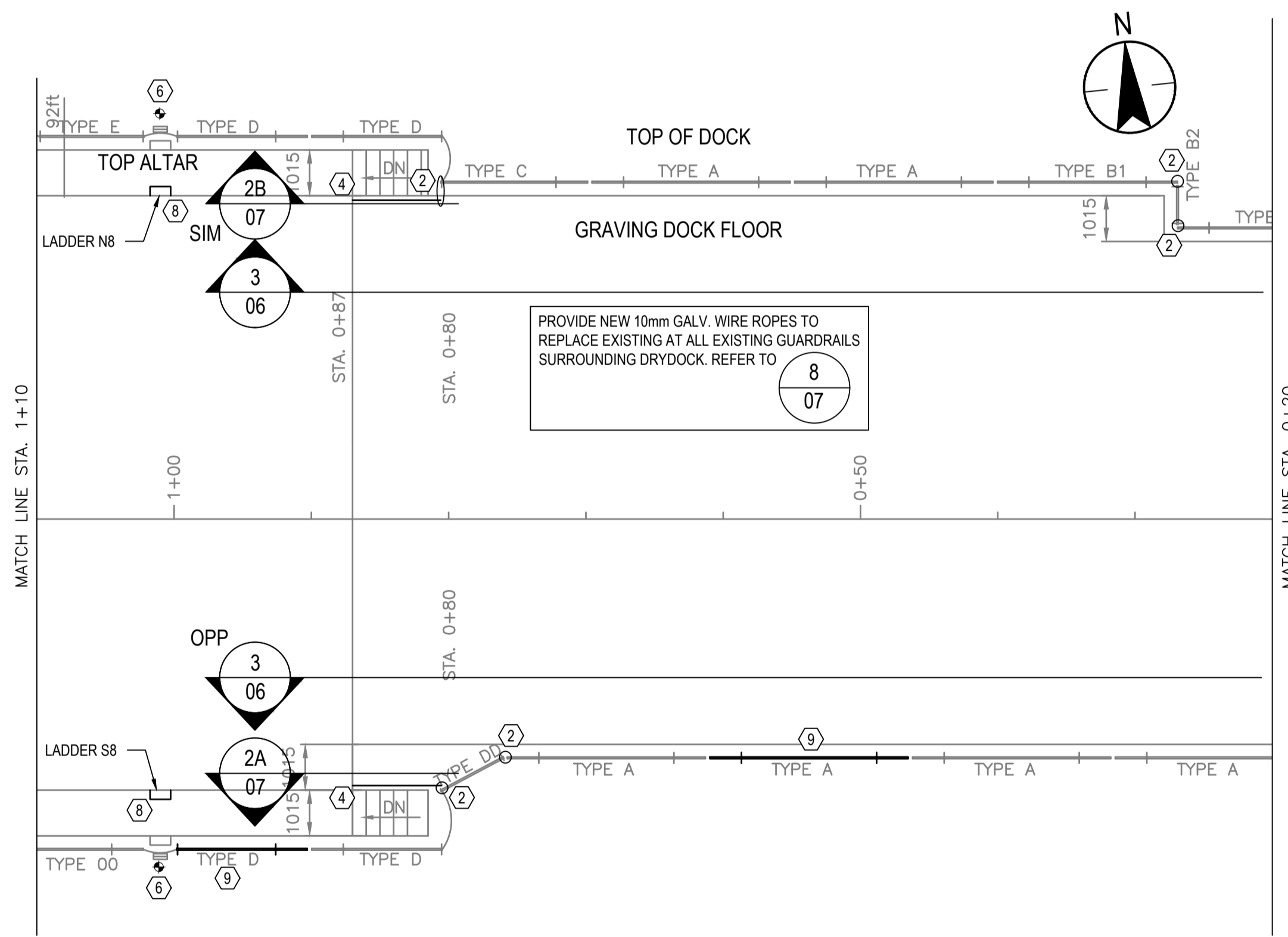




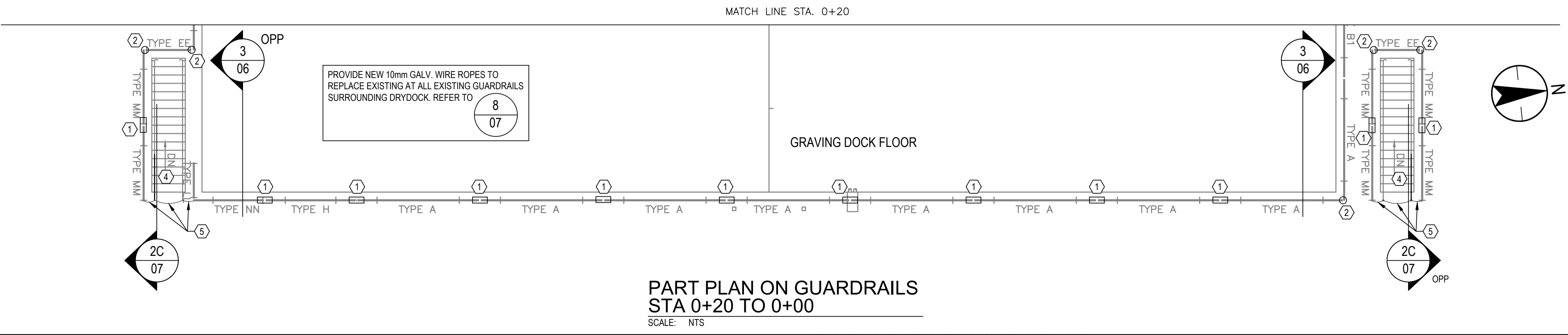
JOB No. 171-08146-01



**PART PLAN ON GUARDRAILS
STA 3+30 TO 1+10**
SCALE: NTS



**PART PLAN ON GUARDRAILS
STA 1+10 TO 0+20**
SCALE: NTS



**PART PLAN ON GUARDRAILS
STA 0+20 TO 0+00**
SCALE: NTS

CONSTRUCTION NOTES:

- ① NEW TOP RAIL TRANSITION. REFER TO DETAIL 6
07
- ② NEW CHAIN. REFER TO DETAIL 7
07
- ③ NEW FIXED RAIL ON ALTAR. REFER TO DETAIL. MODIFY EXISTING GUARD RAIL (EXTENSION) 1
07
- ④ NEW HANDRAIL/ GUARDRAIL STYLE 7
07
- ⑤ NEW REMOVABLE CHAINS FITTED. GUARDRAIL/HANDRAIL TO GUARDRAIL/HANDRAIL 9
07 10
07
- ⑥ NEW FALL ARREST ANCHORS AT ALL LADDERS. REFER TO DETAIL 9
07 10
07
- ⑦ NEW GUARD RAIL EXTENSION 1
07
- ⑧ FULL HEIGHT VERTICAL LADDERS. REMOVE EXISTING AND REPLACE WITH NEW OR REPAIR SUPPORT CONNECTION 10
06 AND 9
09
- ⑨ REPLACE DAMAGED GUARDRAIL 8
07

Revision/	Description/Description	Date/Date
2	ISSUED FOR TENDER	2017.10.02
1	ISSUED FOR 95% REVIEW	2017.09.19

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

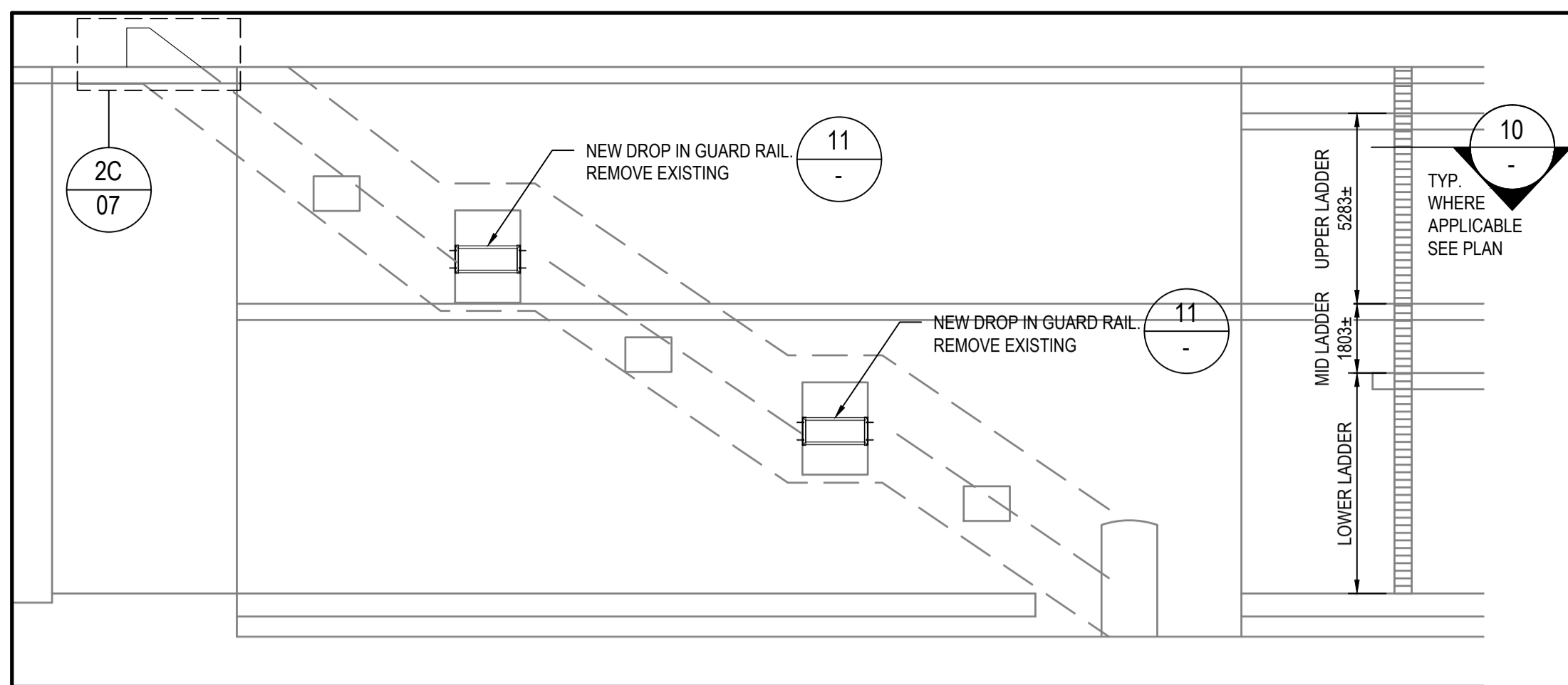
Project title/Titre du projet
**ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD
ESQUIMALT, BC V9A 2P1**
REPLACE DOCK SILL GUARD RAILS

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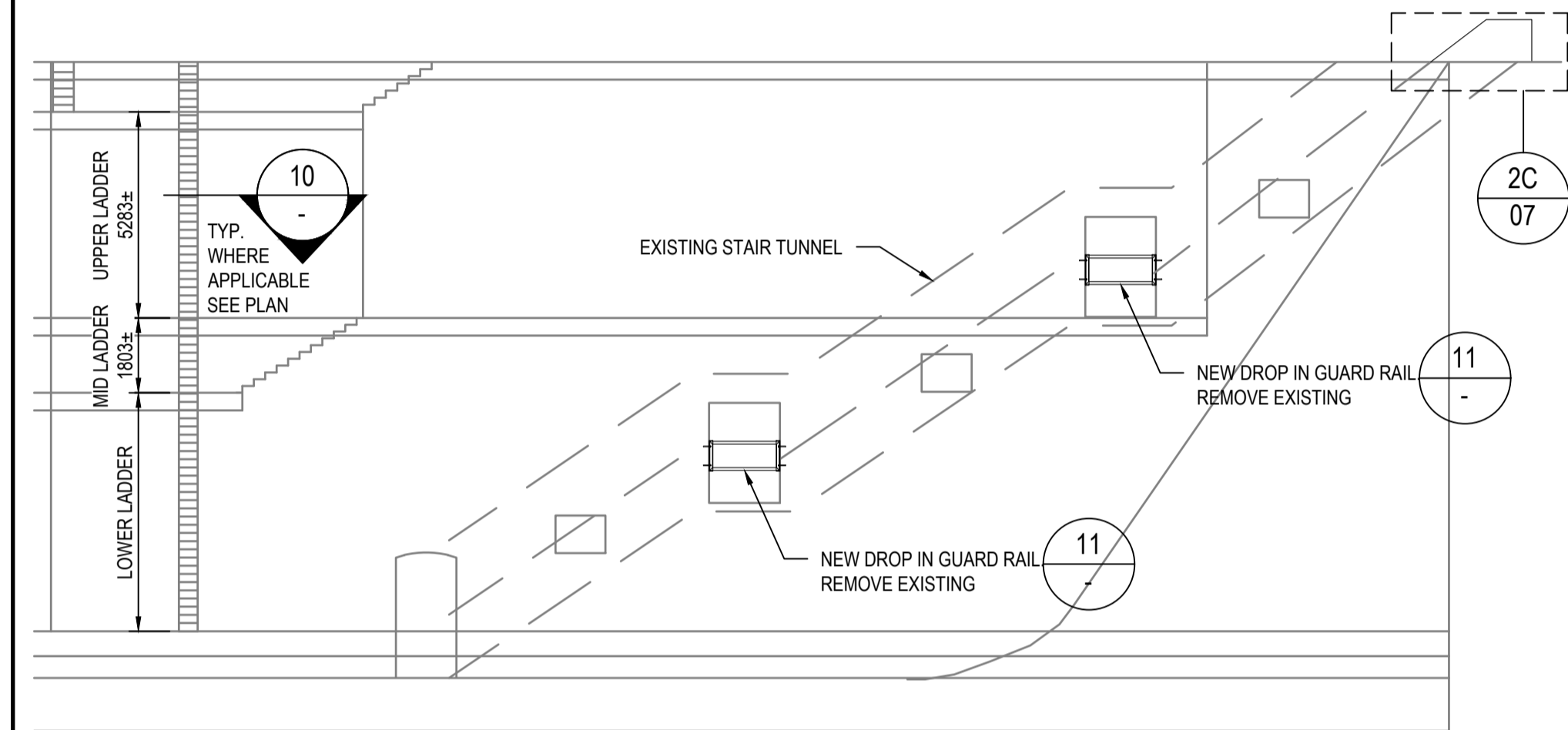
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**PART PLANS ON GUARDRAILS
STA 3+30 TO 0+00**

Project No./No. du projet R.090420.001	Sheet/Fauille 05	Revision no./La Révision no. 2
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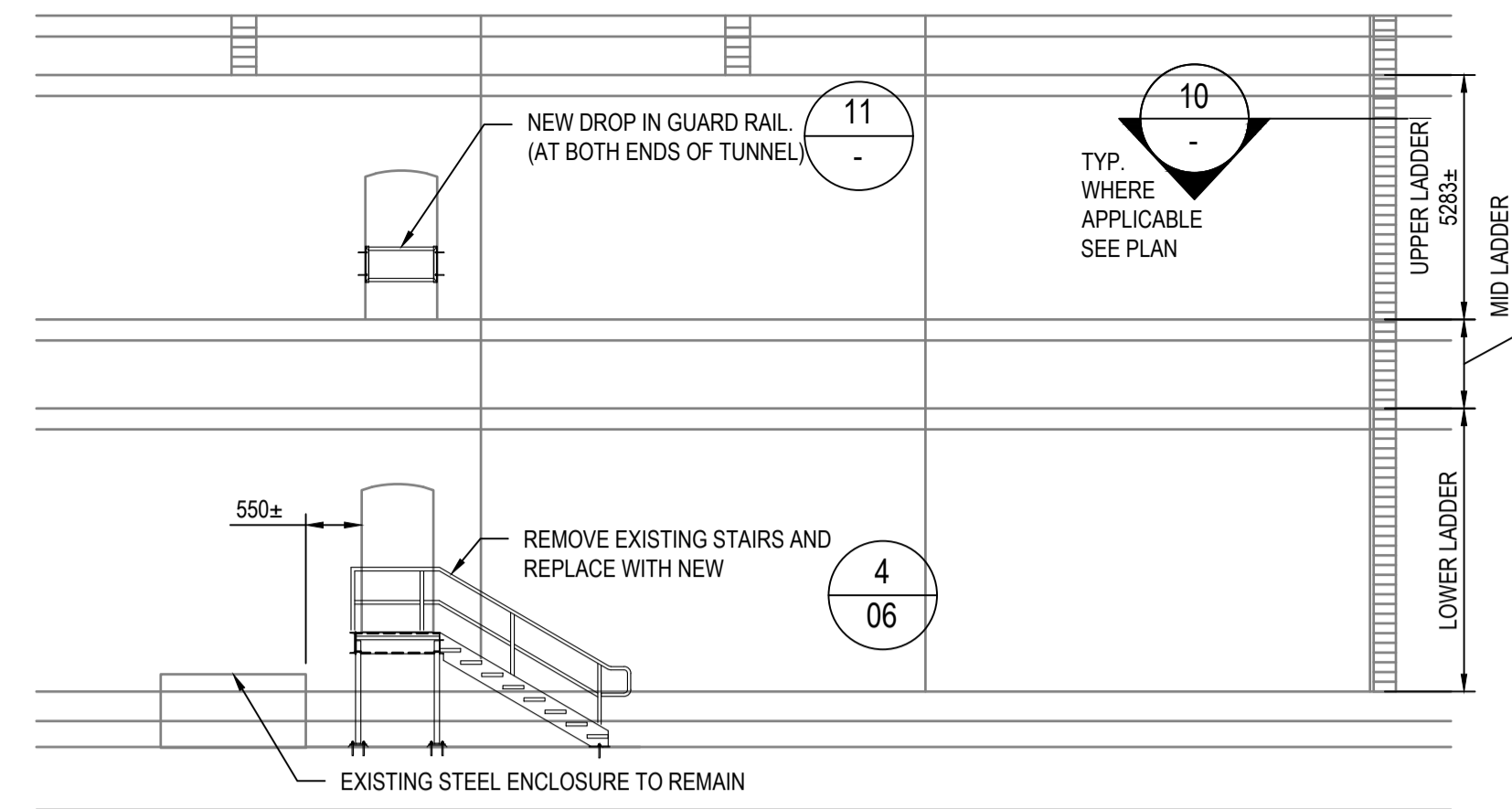




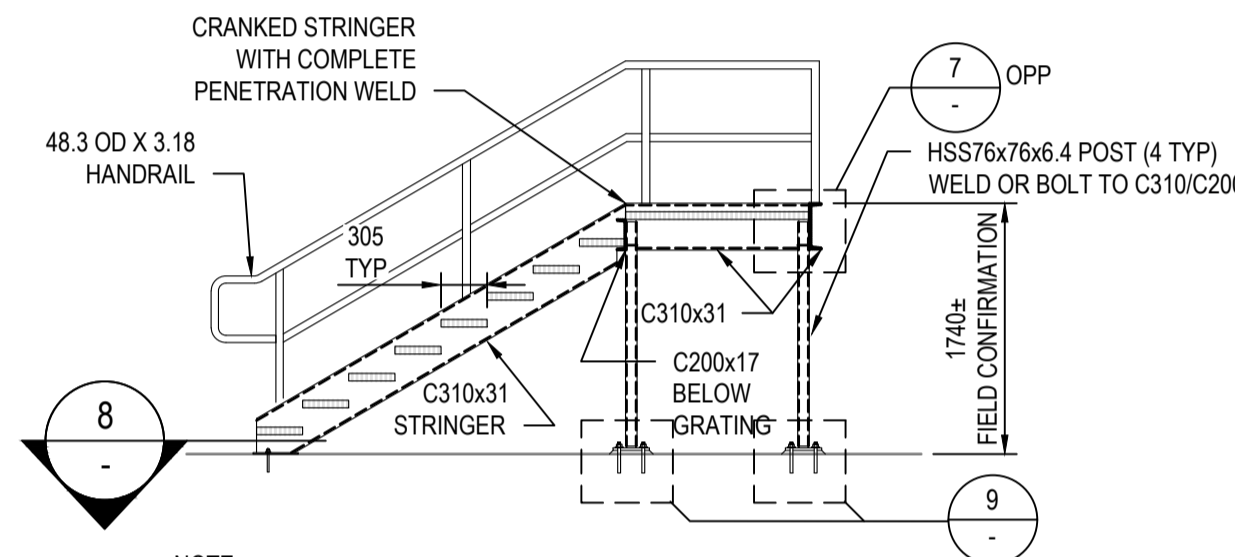
1 WEST STAIR TUNNEL AND LANDINGS
SCALE: NTS



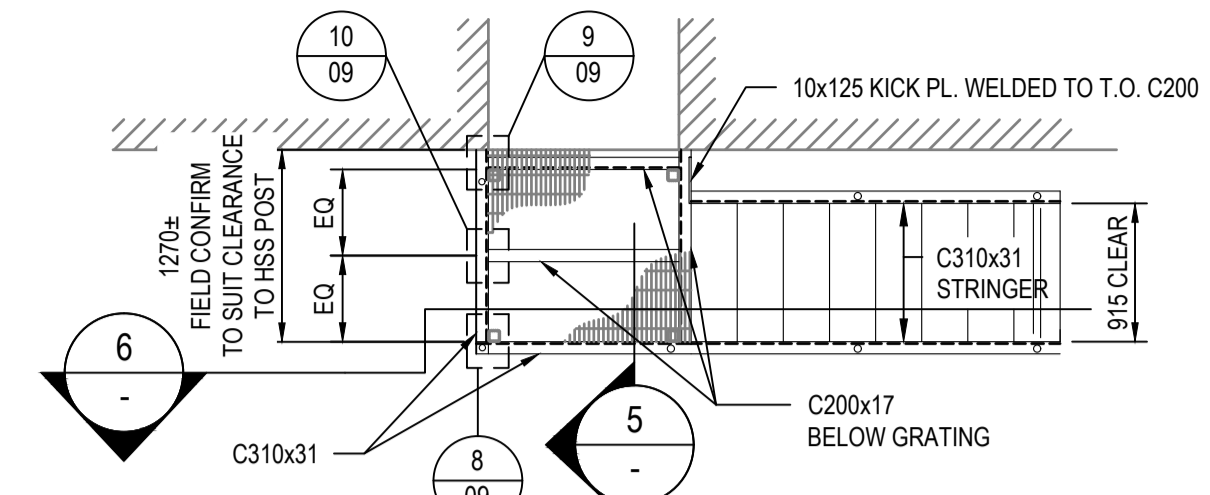
3 EAST STAIRS TUNNEL AND LANDINGS
SCALE: NTS



2 CENTRAL ACCESS TUNNELS (EGD) PENSTOCKS/ DOCK EGRESS
SCALE: NTS

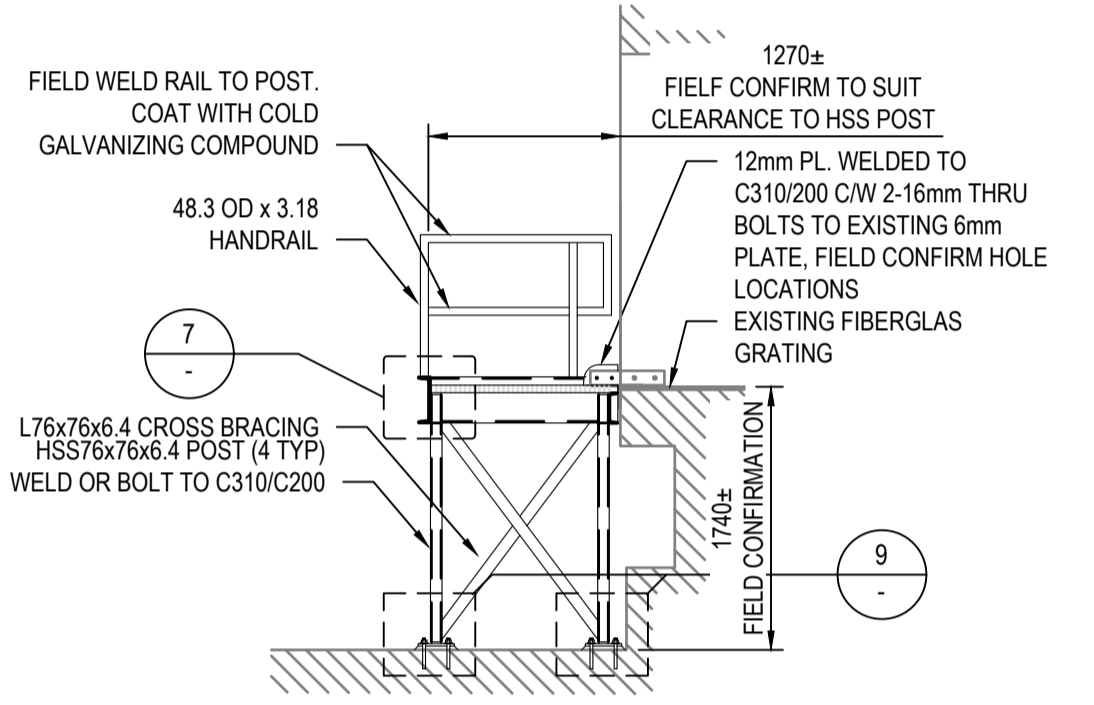


6 SECTION AT NEW ACCESS TUNNEL STAIR
SCALE: 1:50



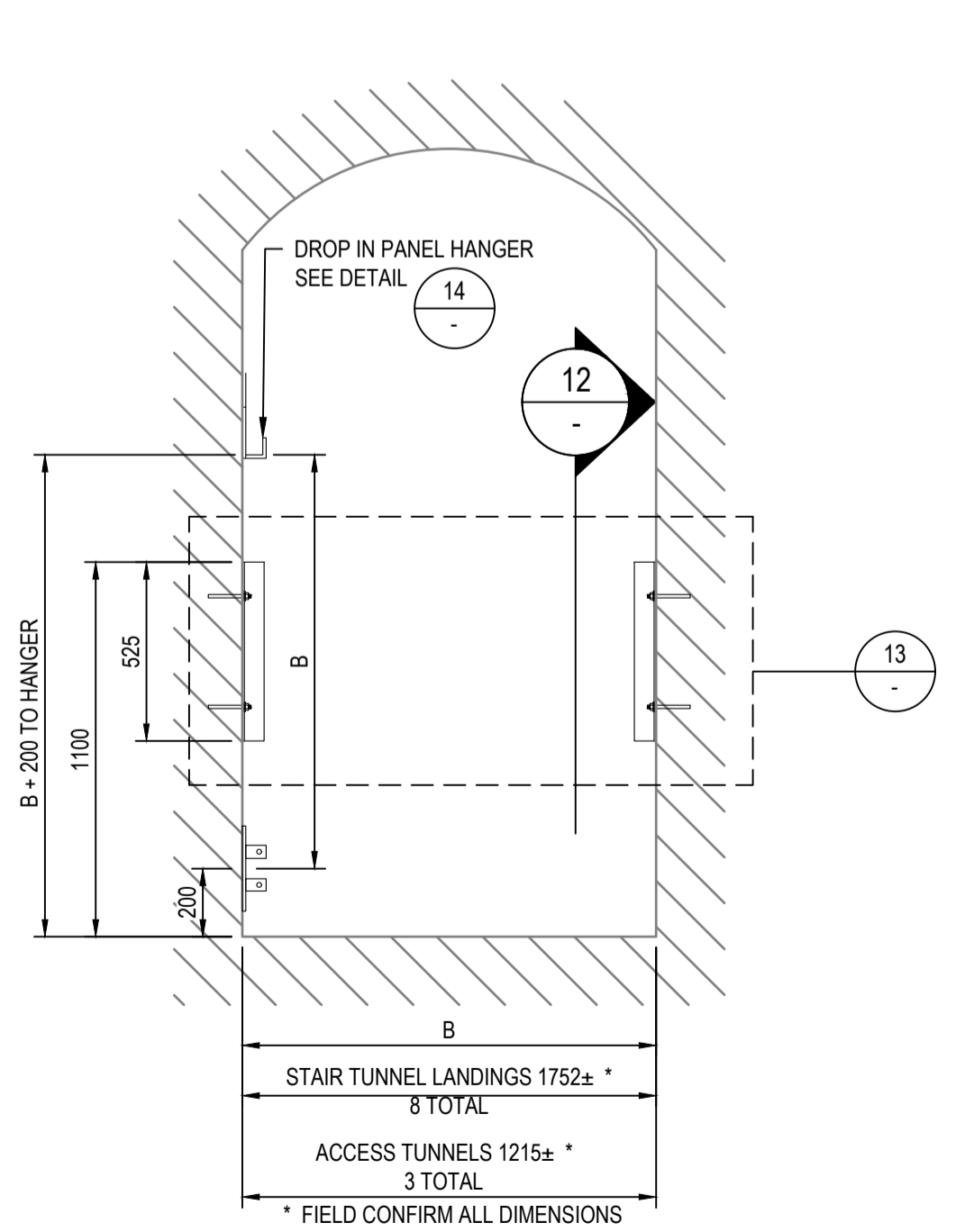
4 NEW ACCESS TUNNEL STAIR
SCALE: 1:50

NOTE:
1. STAIRCASE TREADS TO BE 32x4.8 GALVANIZED SERRATED BAR GRATING WITH CHECKERED PLATE NOSING. FASTEN TREADS TO STRING WITH 8mmØ STAINLESS STEEL BOLTS.
2. ALL STEEL TO BE HOT DIP GALVANIZED

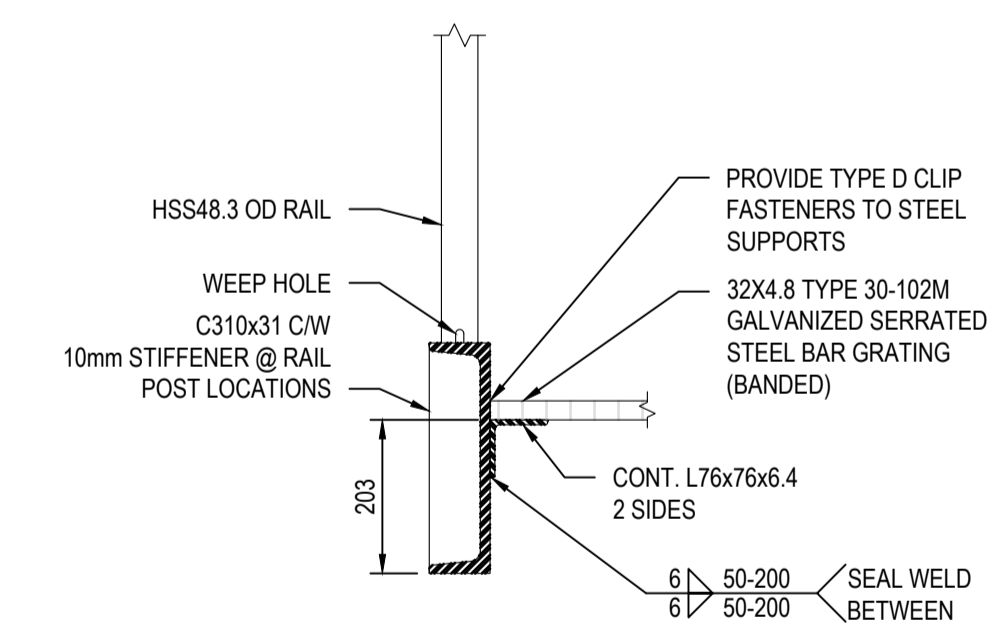


5 CROSS SECTION AT ACCESS TUNNEL STAIR
SCALE: 1:50

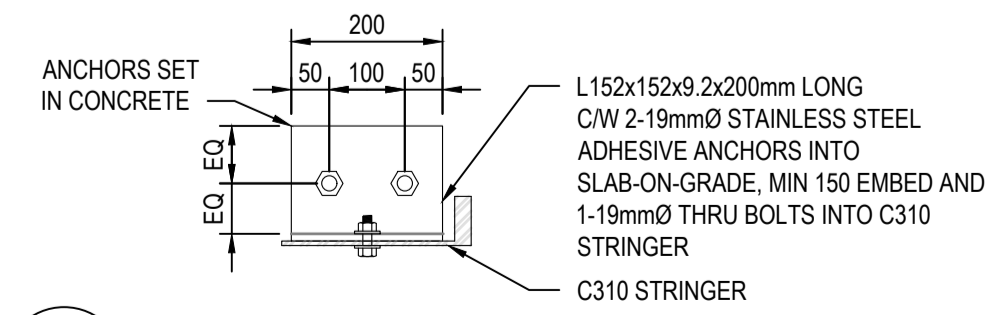
NOTE:
1. ALL STEEL TO BE HOT DIP GALVANIZED



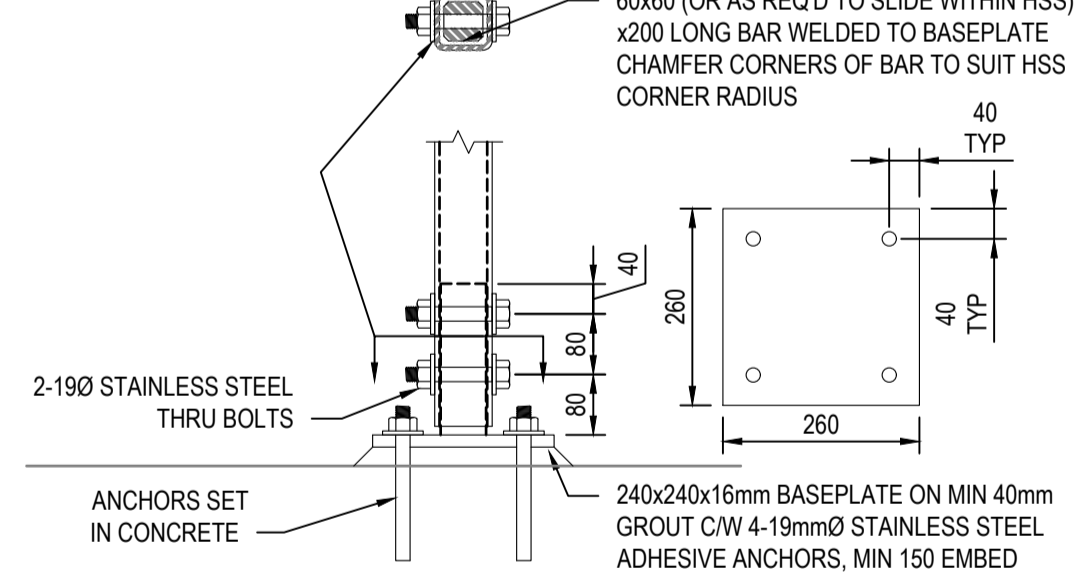
11 DROP IN GUARD RAIL AT LANDINGS & TUNNEL OPENINGS (ELEVATIONS)
SCALE: 1:20



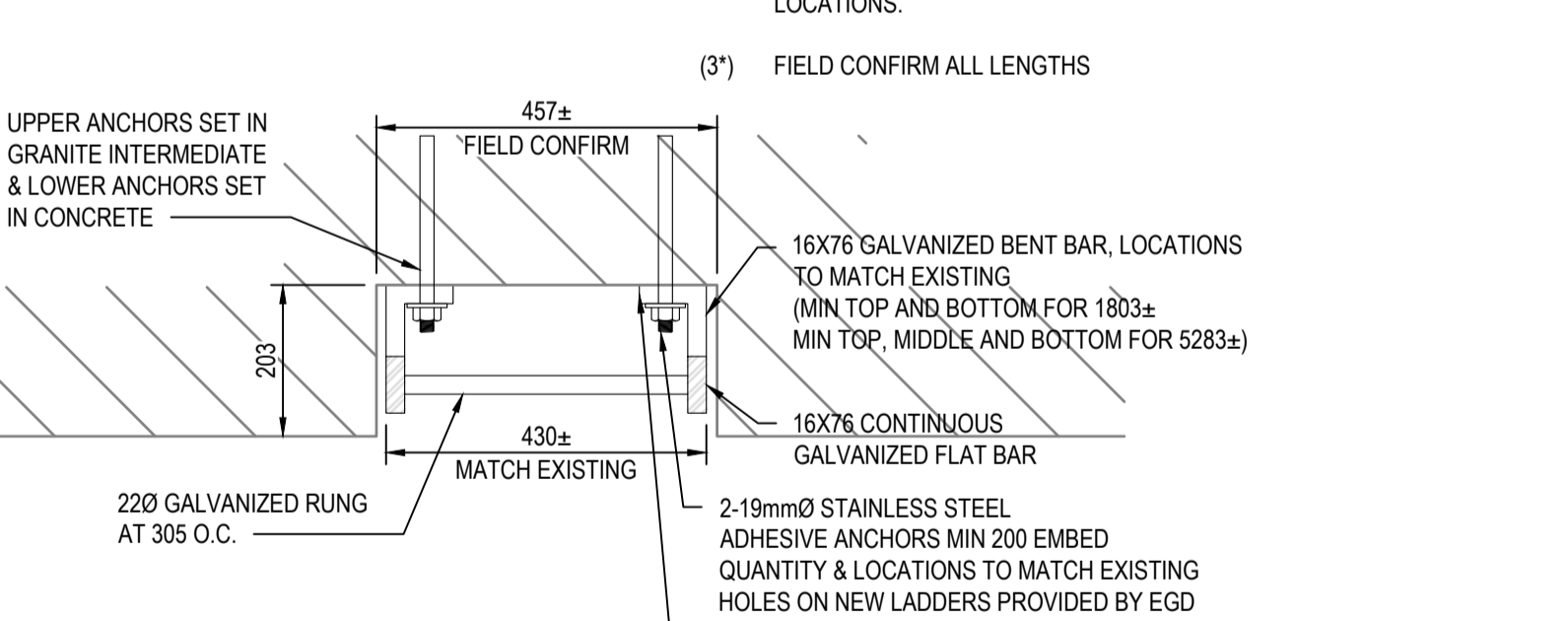
7 STAIR LANDING EDGE DETAIL
SCALE: 1:10



8 STRINGER BASEPLATE DETAIL
SCALE: 1:10

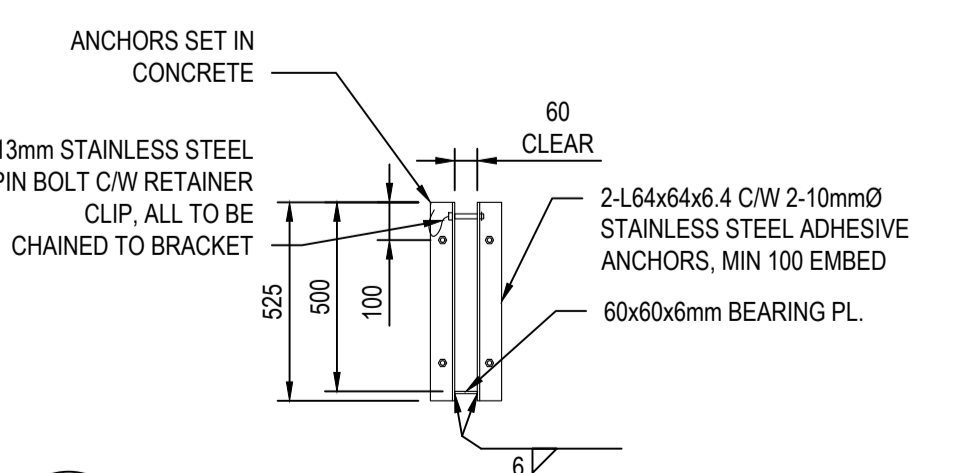


9 HSS POST BASE DETAIL (TYP. 4 LOCATIONS)
SCALE: 1:10

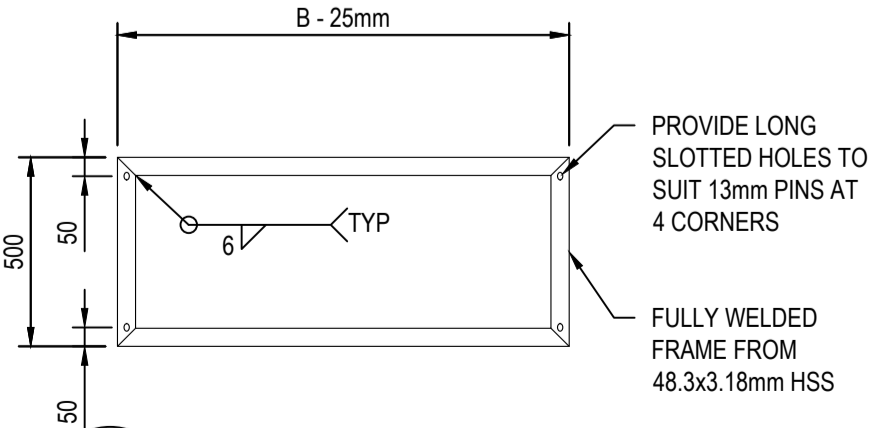


10 TYPICAL NEW LADDER ANCHORAGE
SCALE: 1:10

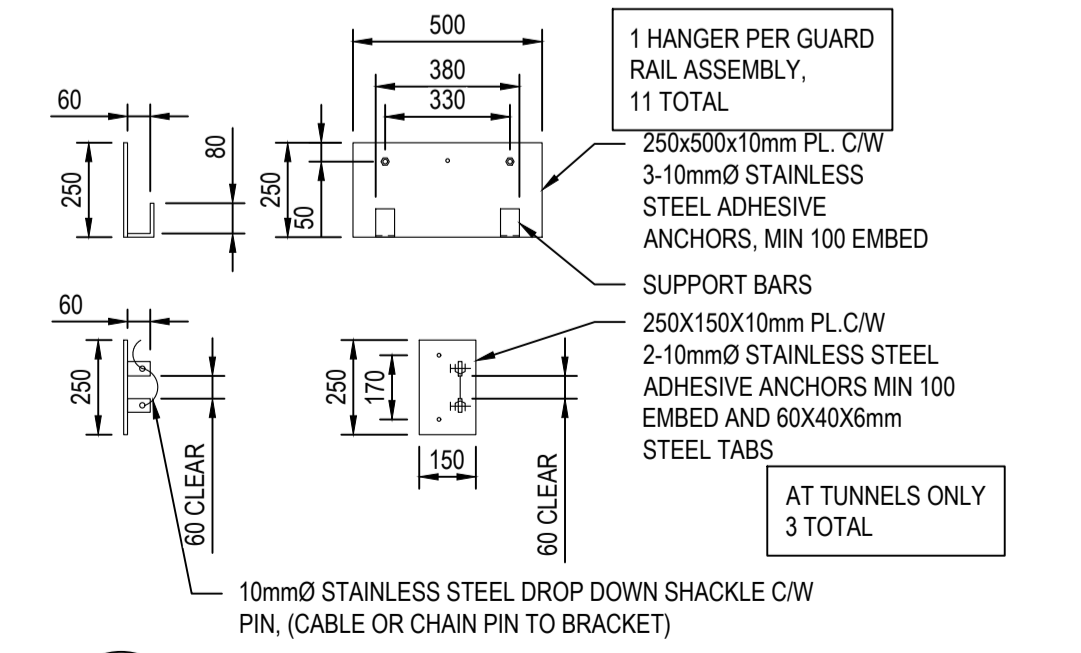
NOTE:
1. REMOVE EXISTING AND REPLACE WITH NEW LADDERS. REFER TO LADDER SCHEDULE
(2*) SEE PLAN CONSTRUCTION NOTE (8) ON SHEETS 03, 04 AND 05 AND DETAILS AND ELEVATIONS 1, 2 AND 3 ON SHEET 06 FOR LOCATIONS.
(3*) FIELD CONFIRM ALL LENGTHS



12 DROP IN PANEL BRACKET
SCALE: 1:20



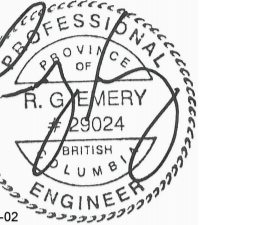
13 DROP IN PANEL
SCALE: 1:20



14 DROP IN PANEL HANGER
SCALE: 1:20



JOB No. 171-08146-01



2	ISSUED FOR TENDER	2017.10.02
1	ISSUED FOR 95% REVIEW	2017.09.19

Revision/	Description/Description	Date/Date
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Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
ESQUIMALT GRAVING DOCK 825 ADMIRALS ROAD ESQUIMALT, BC V9A 2P1

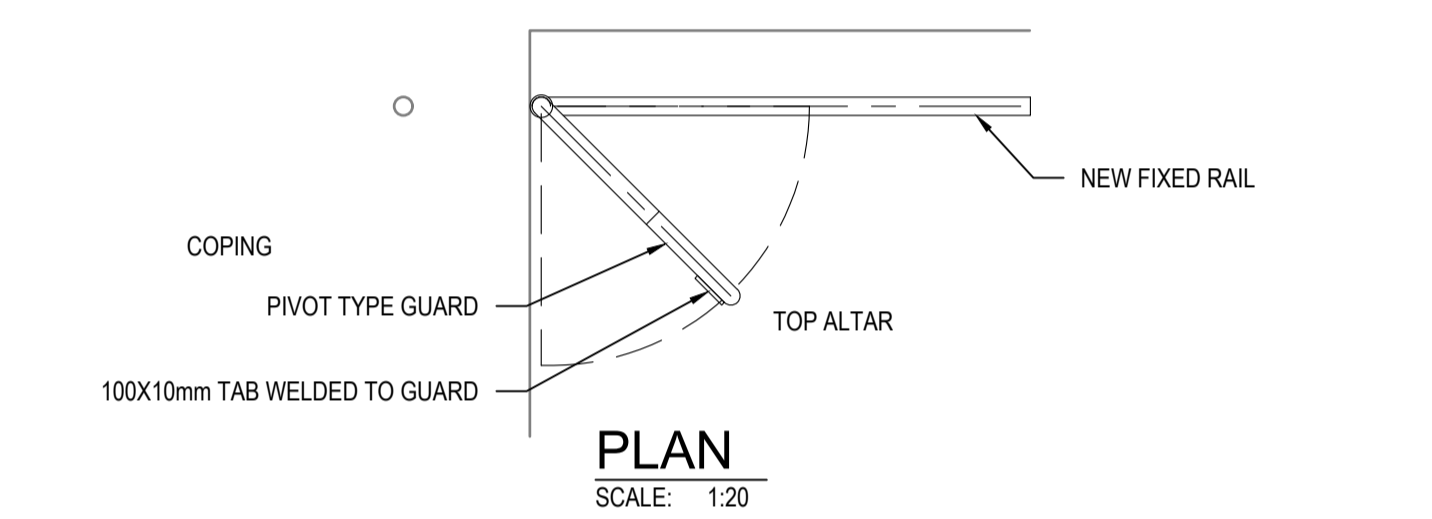
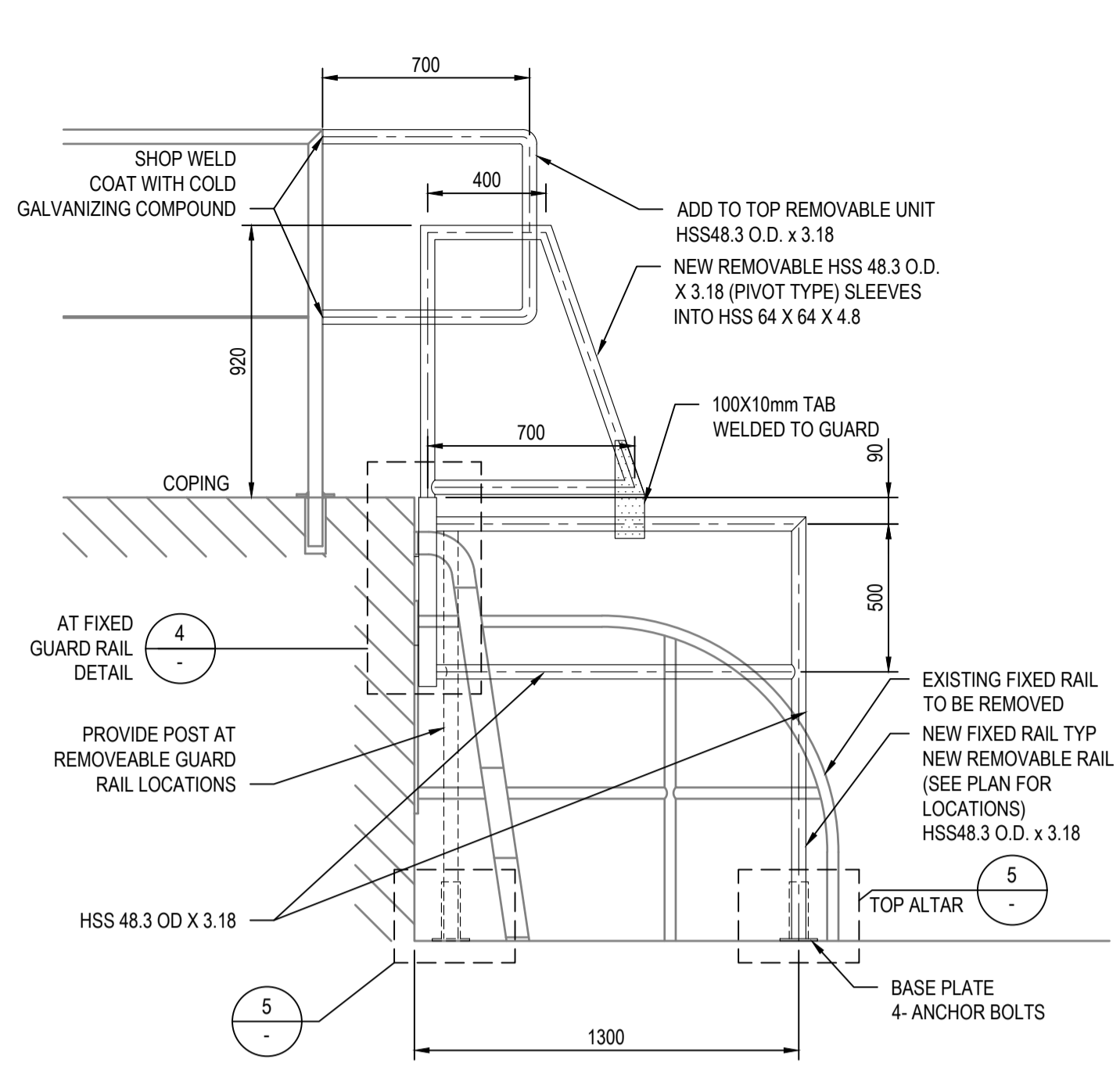
REPLACE DOCK SILL GUARD RAILS

Consultant Signature Only
RANDALL EMERY
Designed by/Concept par
CHELSEA PATON
Drawn by/Dessiné par
ROD MAR
PWGSC Project Manager/Administrateur de Projets TPSGC
JON SISKKA
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC

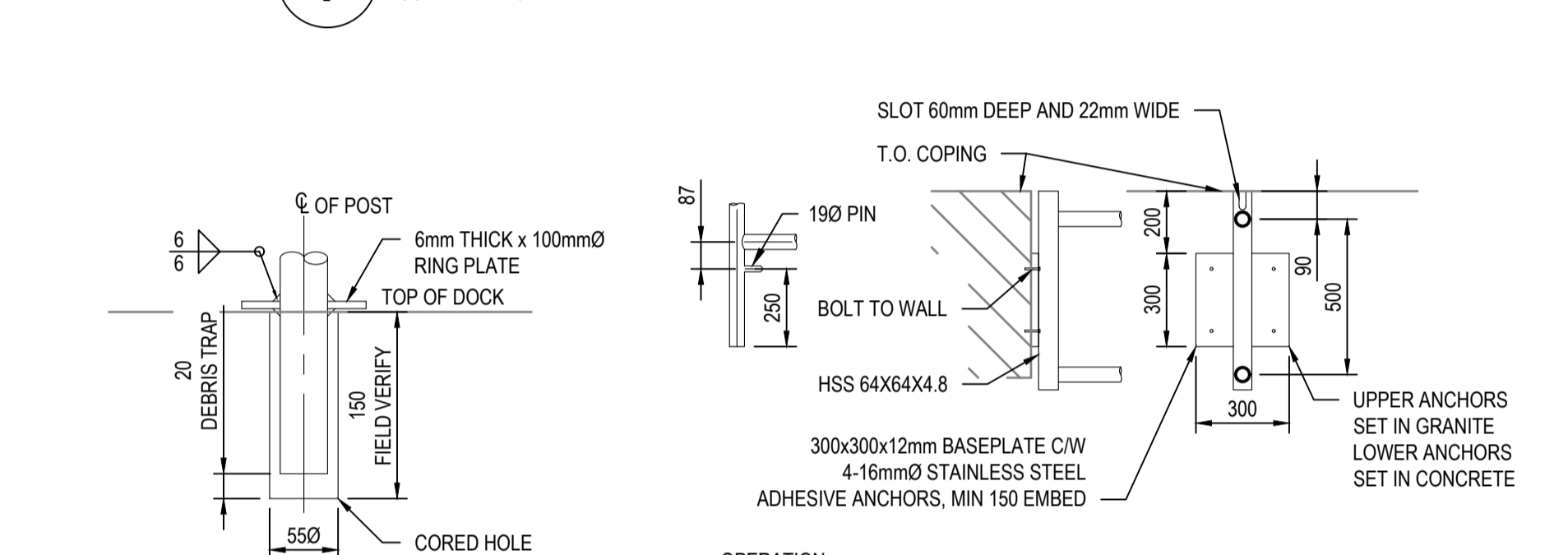
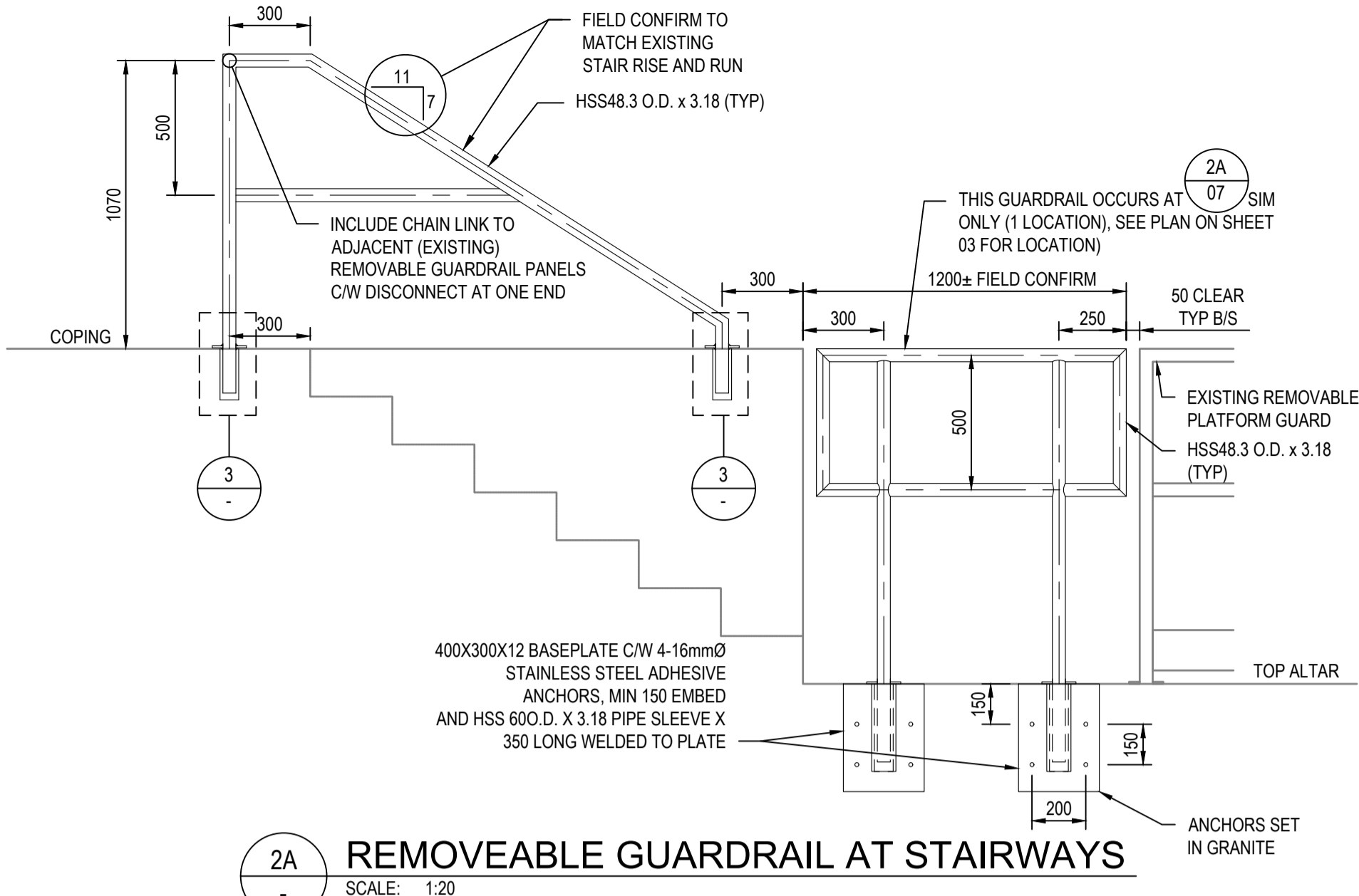
Drawing title/Titre du dessin
DOCK STAIRS AND LADDERS ELEVATIONS, SECTIONS AND DETAILS

Project No./No. du projet R.090420.001	Sheet/Fauille 06	Revision no./La Révision no. 2
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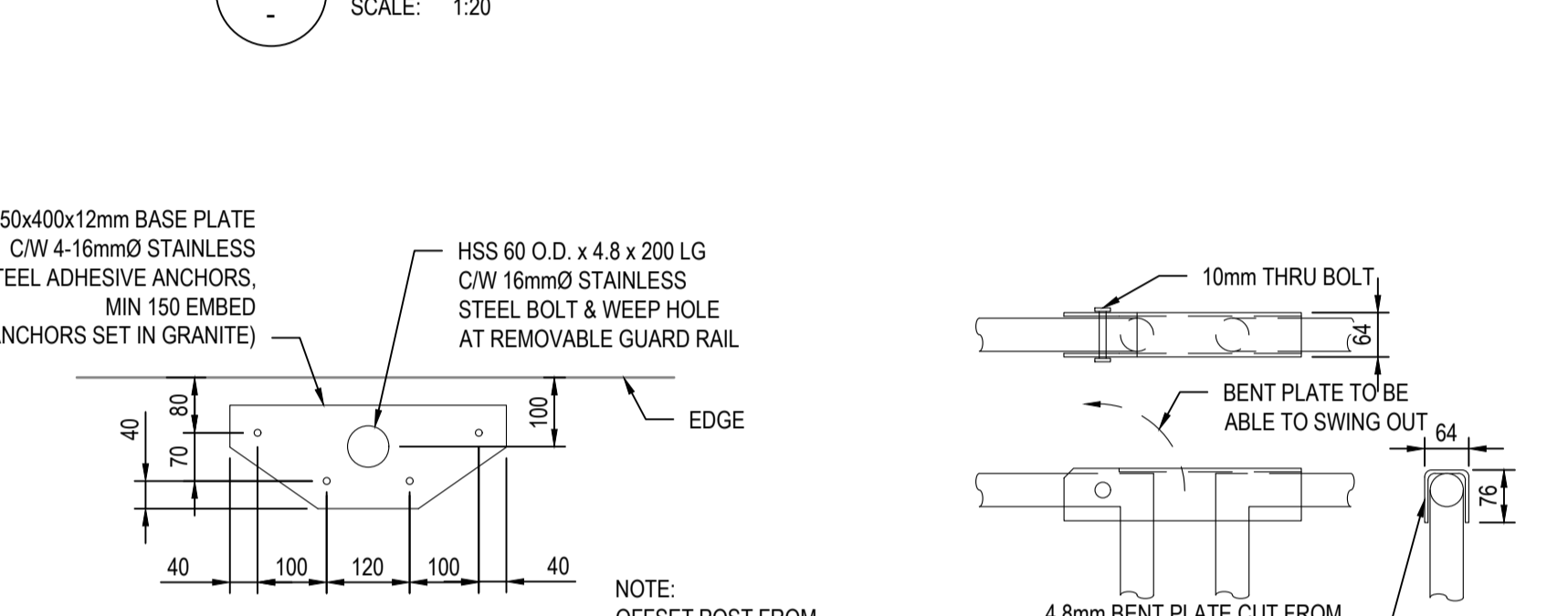
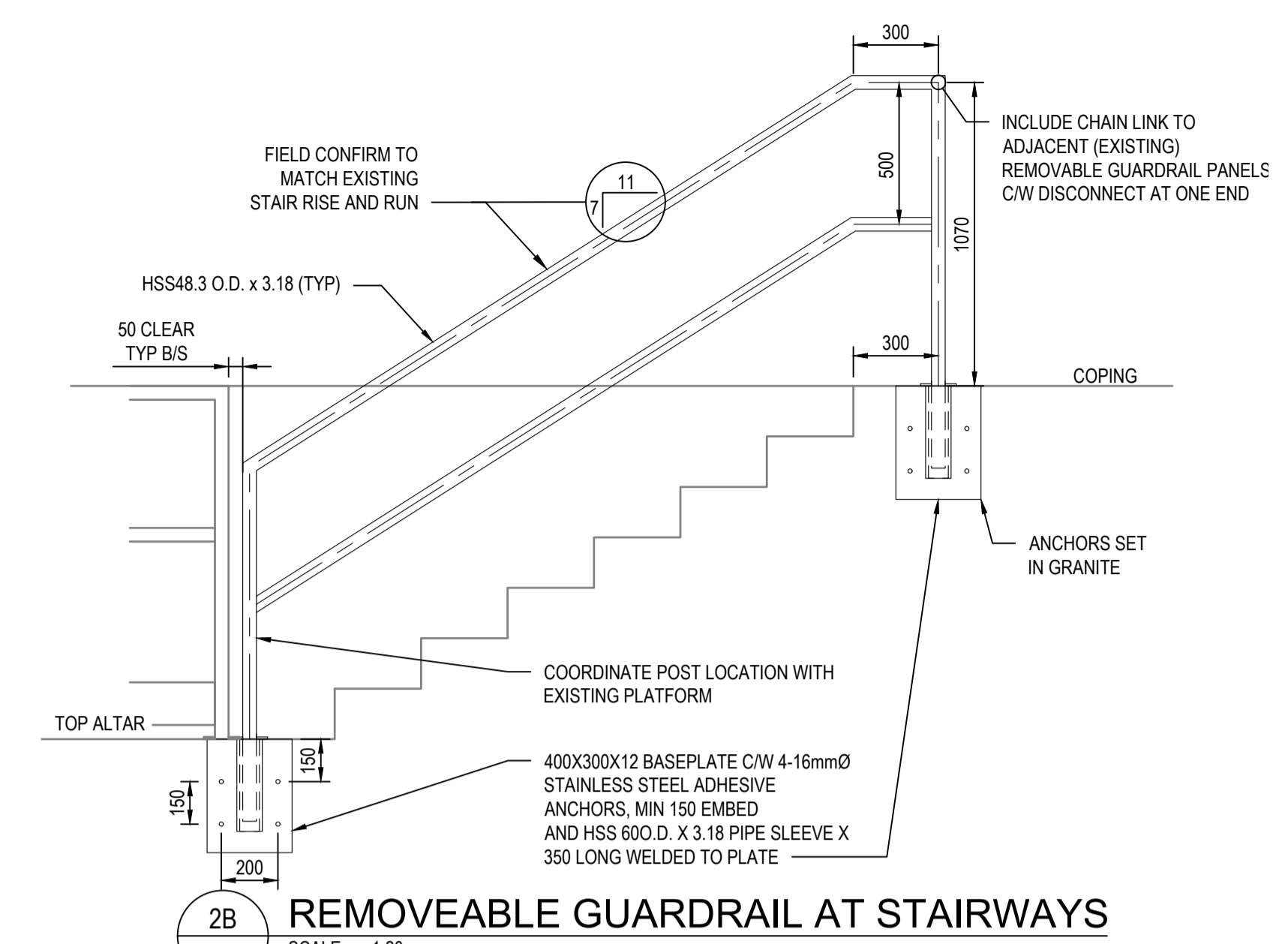




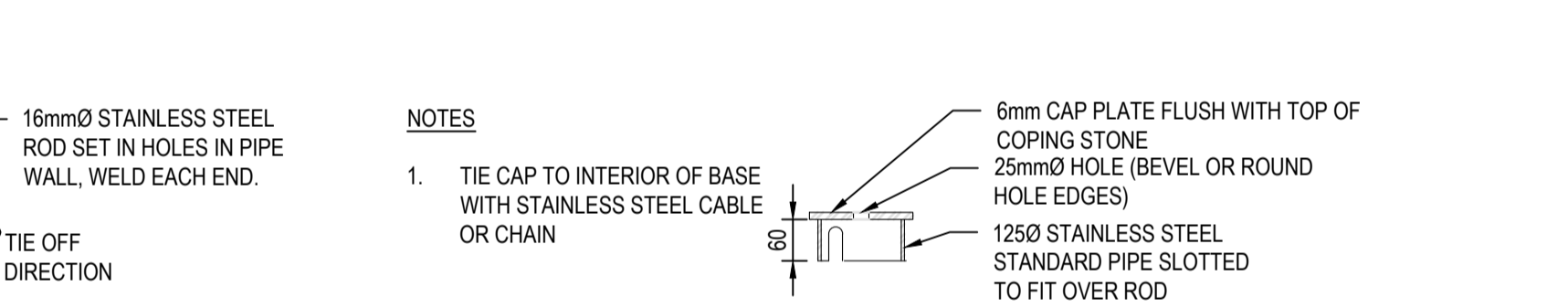
1 GUARDRAILS AT STAIRS/LADDER POINTS FROM COPING LEVEL TO TOP ALTAR
SCALE: 1:20



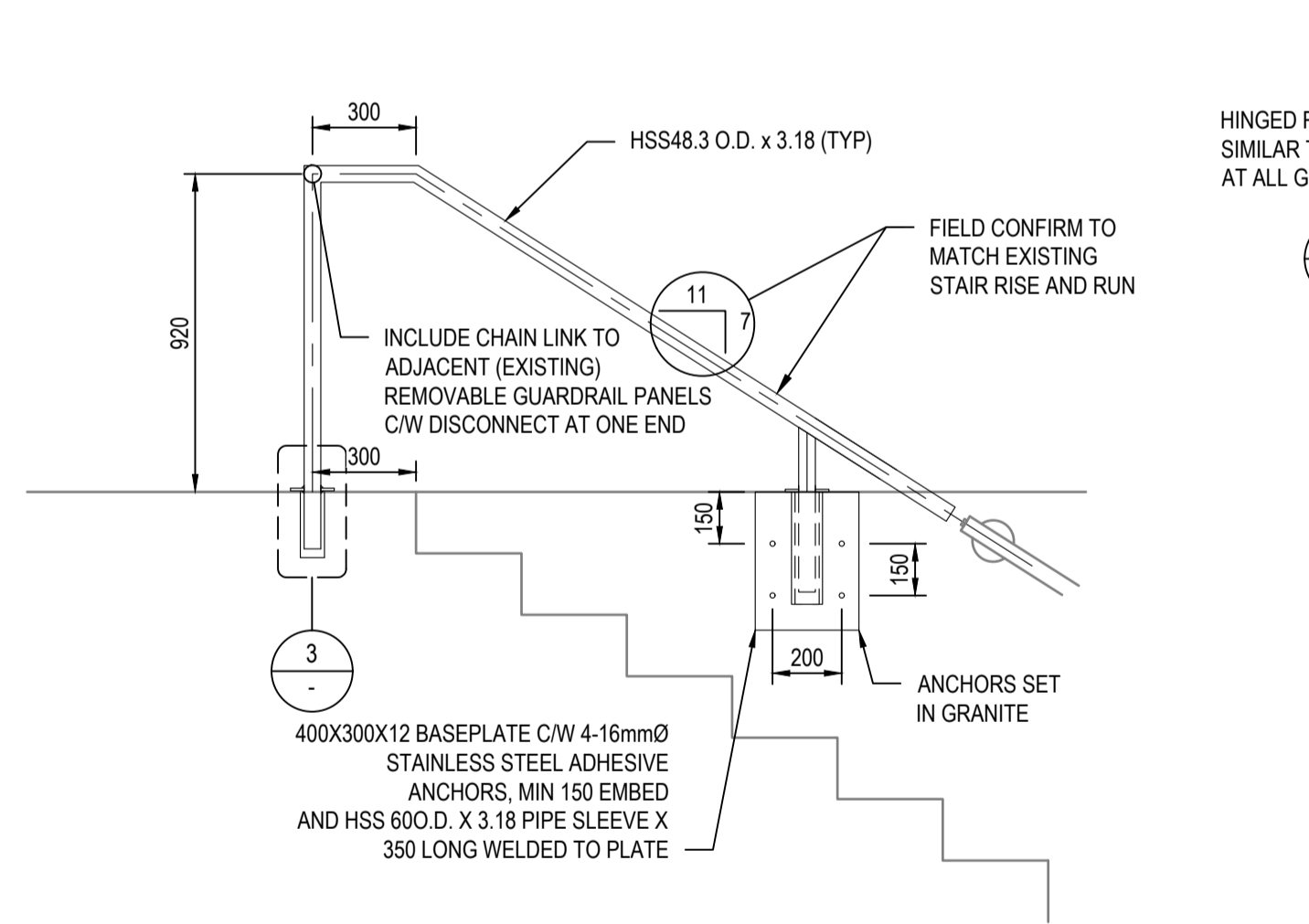
3 CORED SOCKET DETAIL
SCALE: 1:5



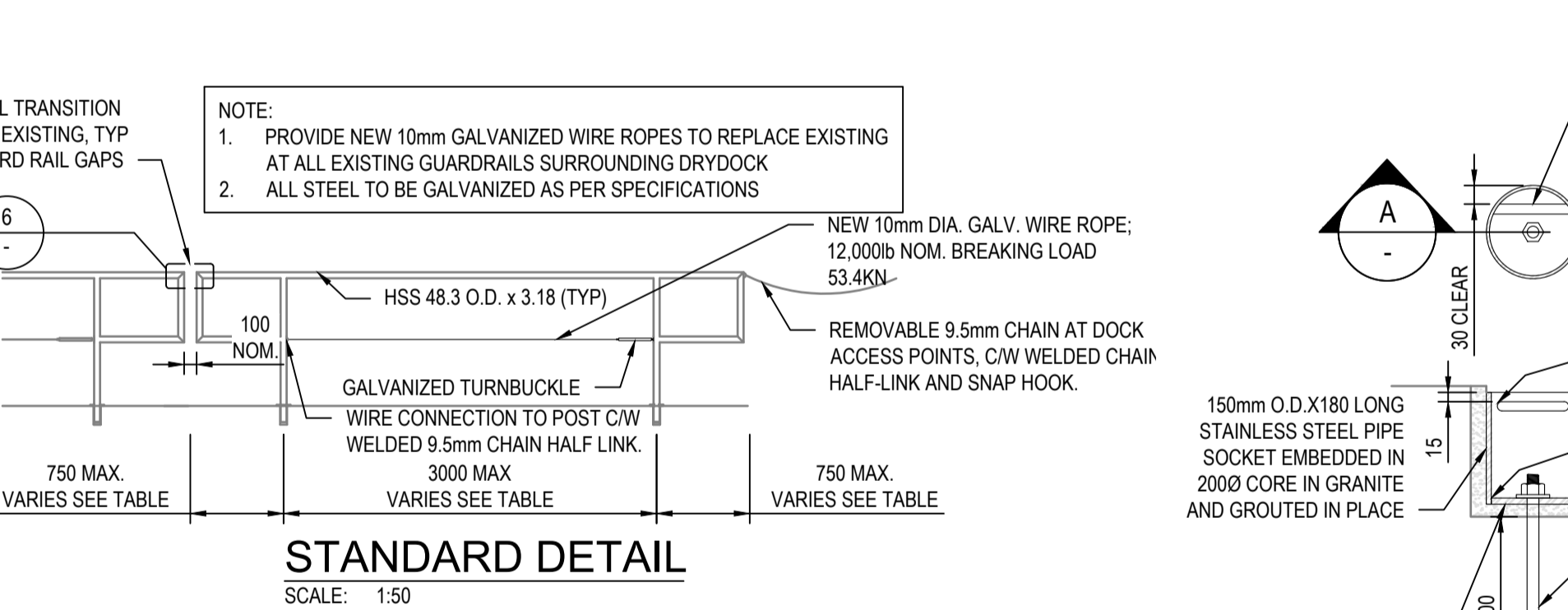
4 SOCKET DETAIL
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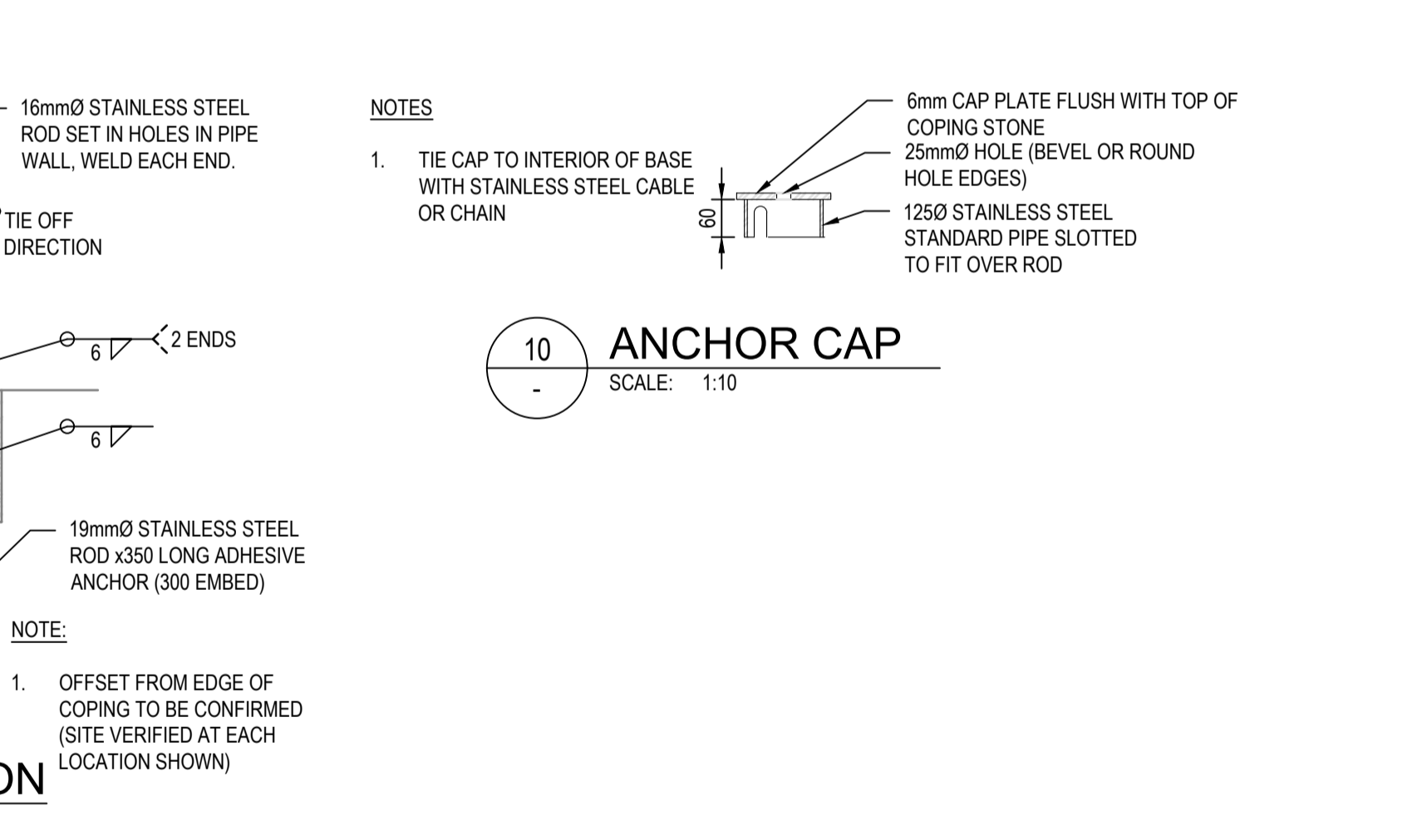
5 BASE PLATE
SCALE: 1:10



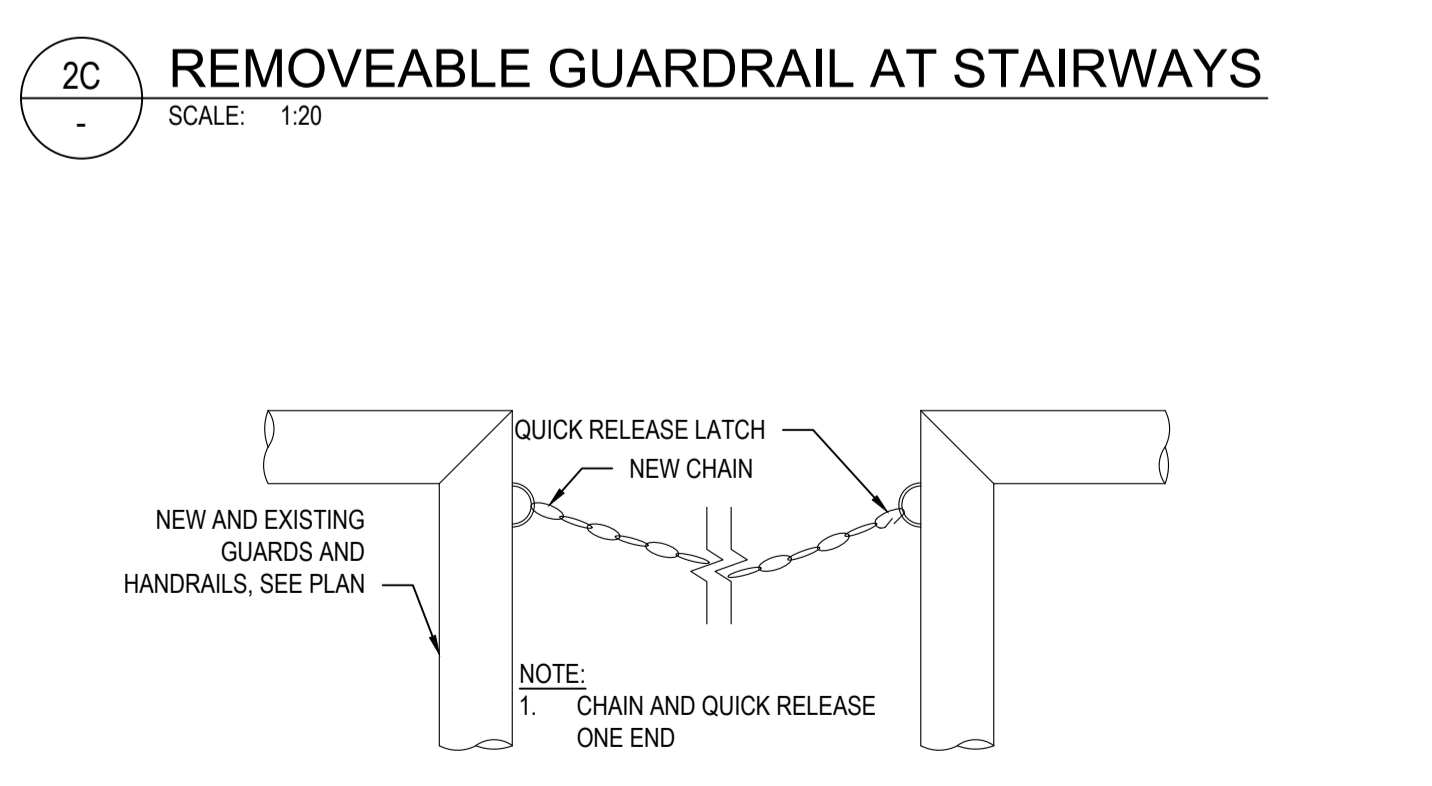
2C REMOVEABLE GUARDRAIL AT STAIRWAYS
SCALE: 1:20



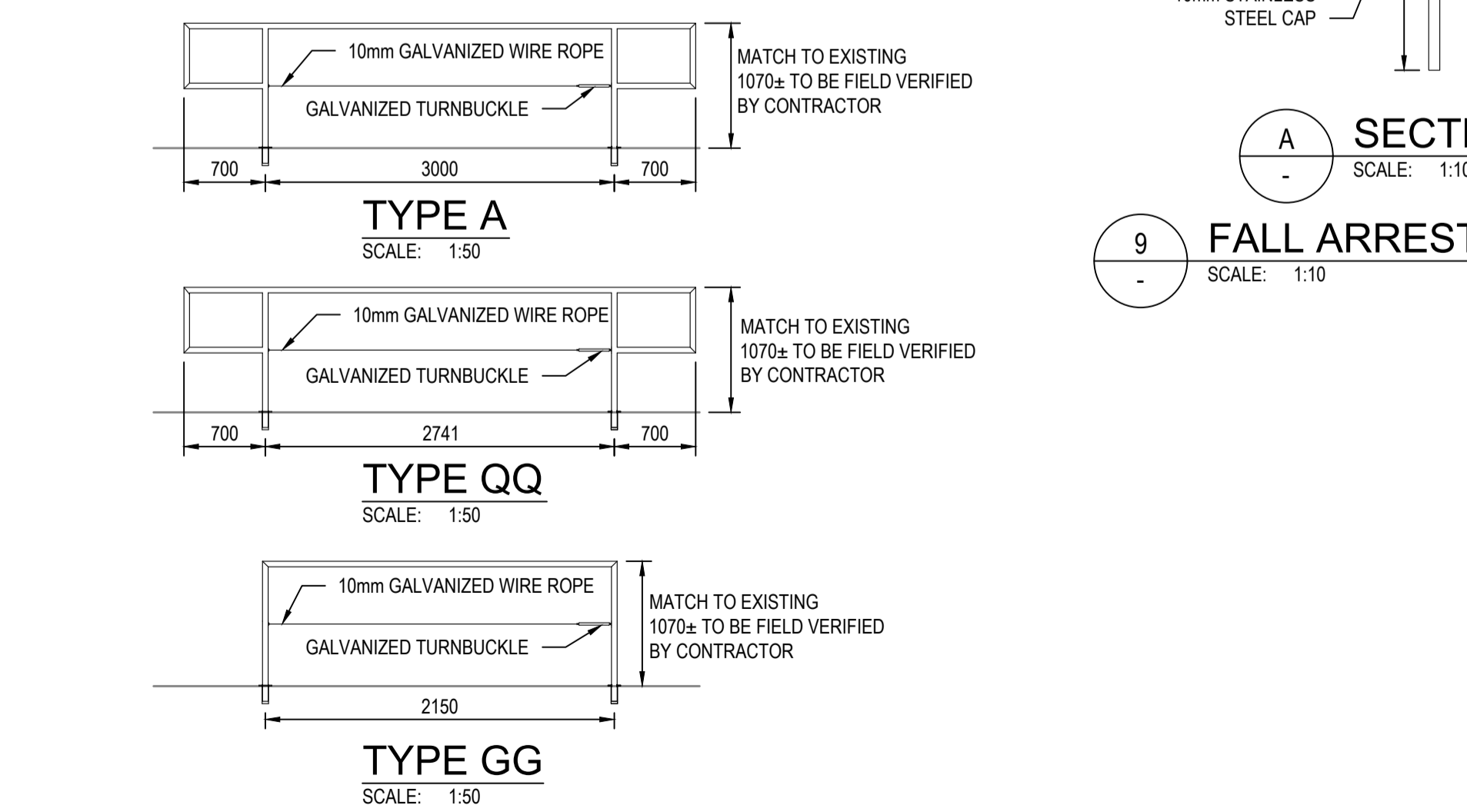
6 STANDARD DETAIL
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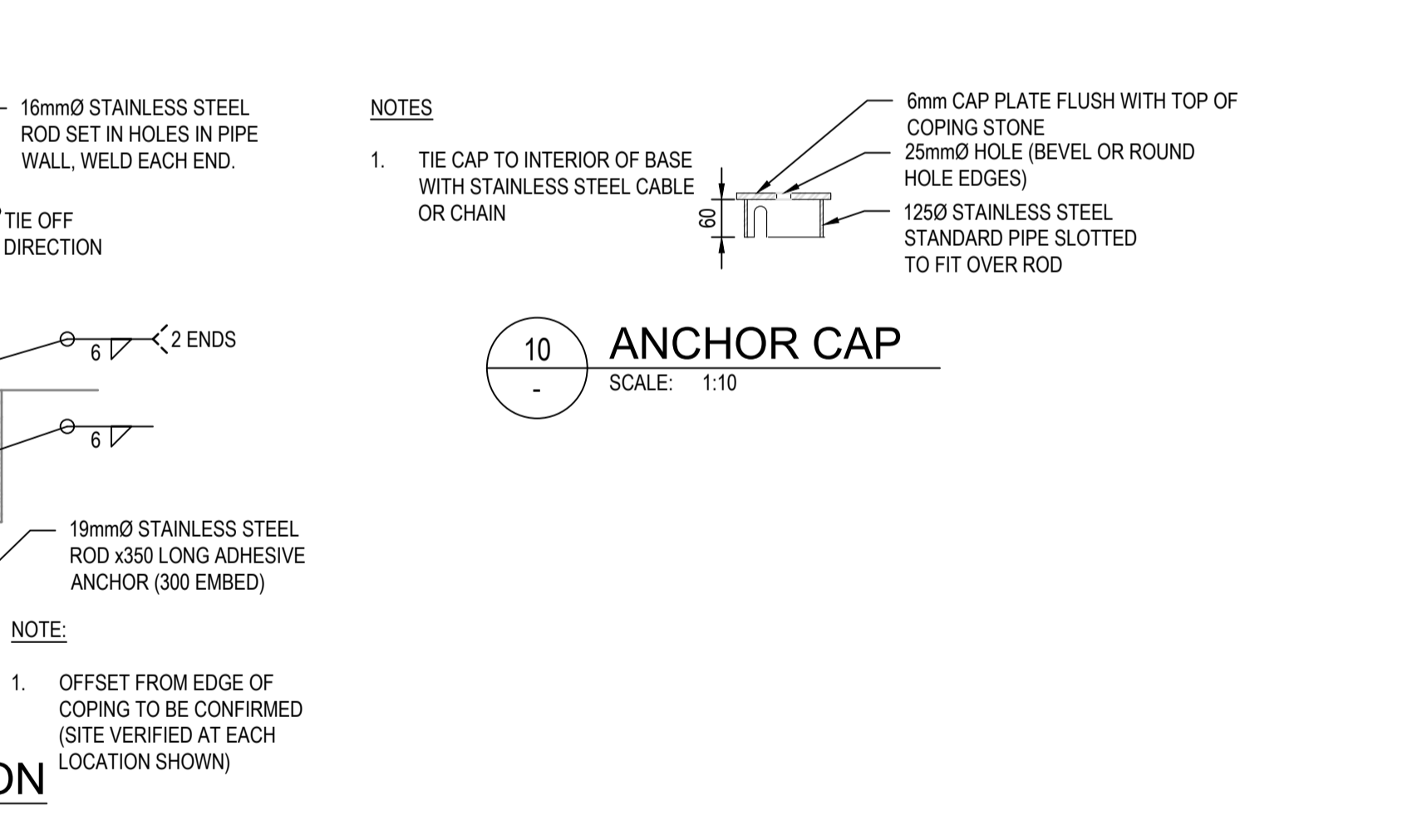
10 ANCHOR CAP
SCALE: 1:10



7 CHAIN CLOSURE DETAIL
SCALE: 1:5



8 REMOVEABLE GUARDRAIL PANELS
SCALE: 1:50



9 FALL ARREST ANCHORS
SCALE: 1:10

Revision/	Description/Description	Date/Date
2	ISSUED FOR TENDER	2017.10.20
1	ISSUED FOR 95% REVIEW	2017.09.19

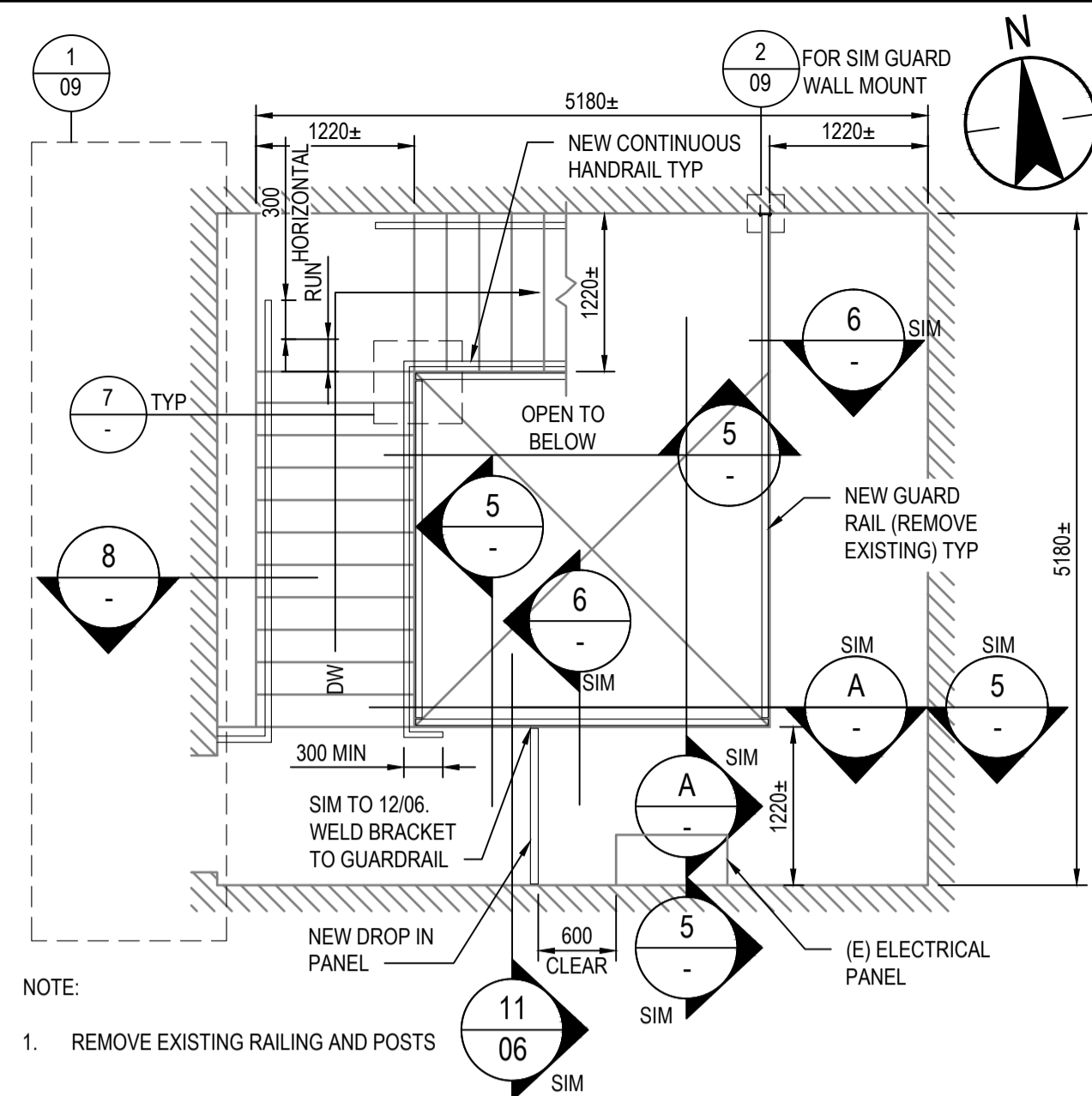
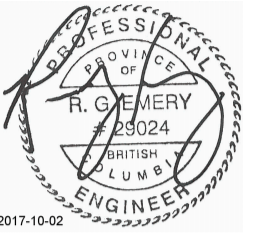
Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
**ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD
ESQUIMALT, BC V9A 2P1
REPLACE DOCK SILL GUARD RAILS**

Consultant Signature Only
RANDALL EMERY
Designed by/Concept par
CHELSEA PATON
Drawn by/Deasine par
ROD MAR
PWGSC Project Manager/Administrateur de Projets TPSGC
JON SISKKA

Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
Drawing title/Titre du dessin
GUARDRAIL SECTIONS AND DETAILS

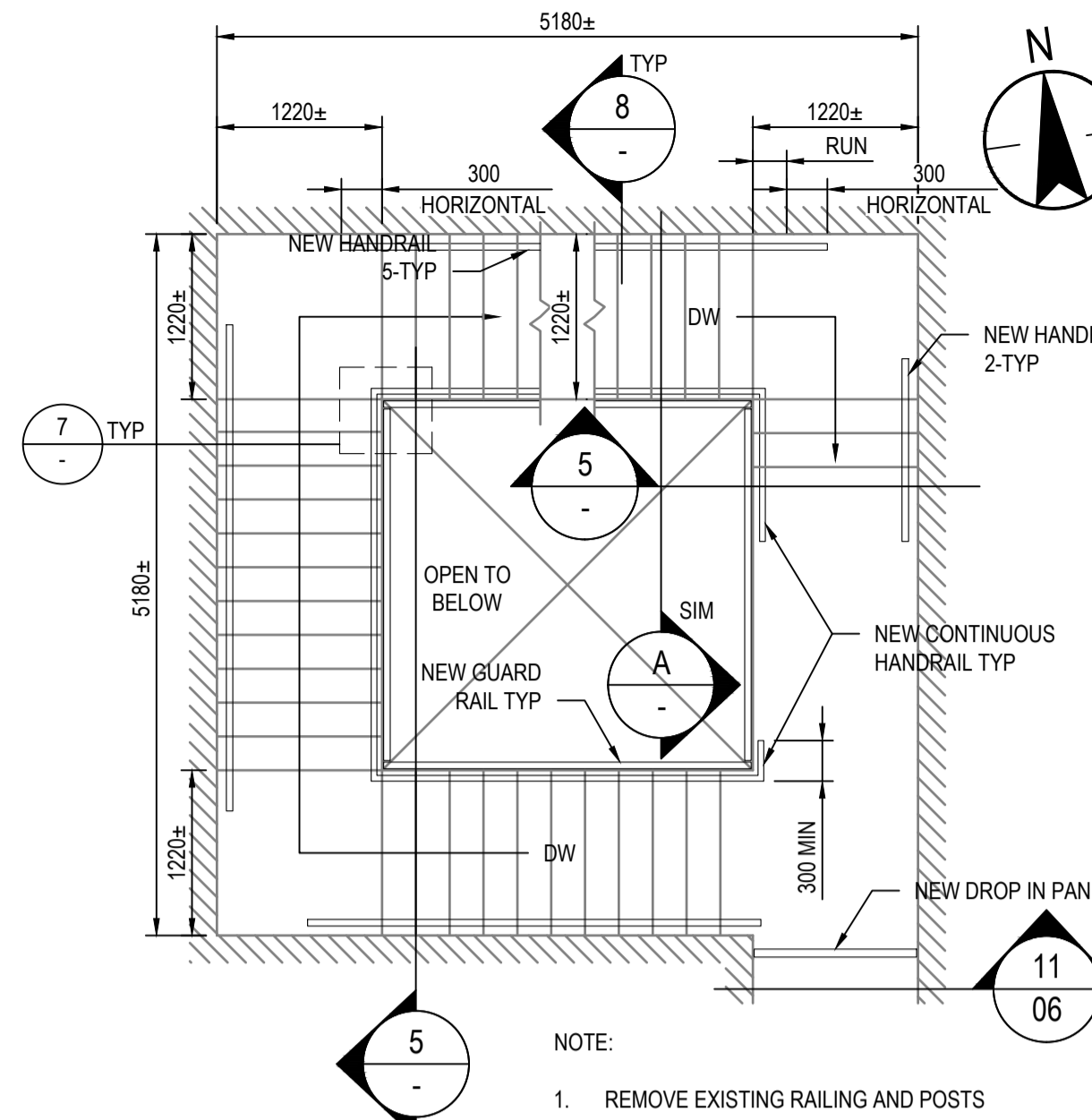
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R.090420.001	07	2



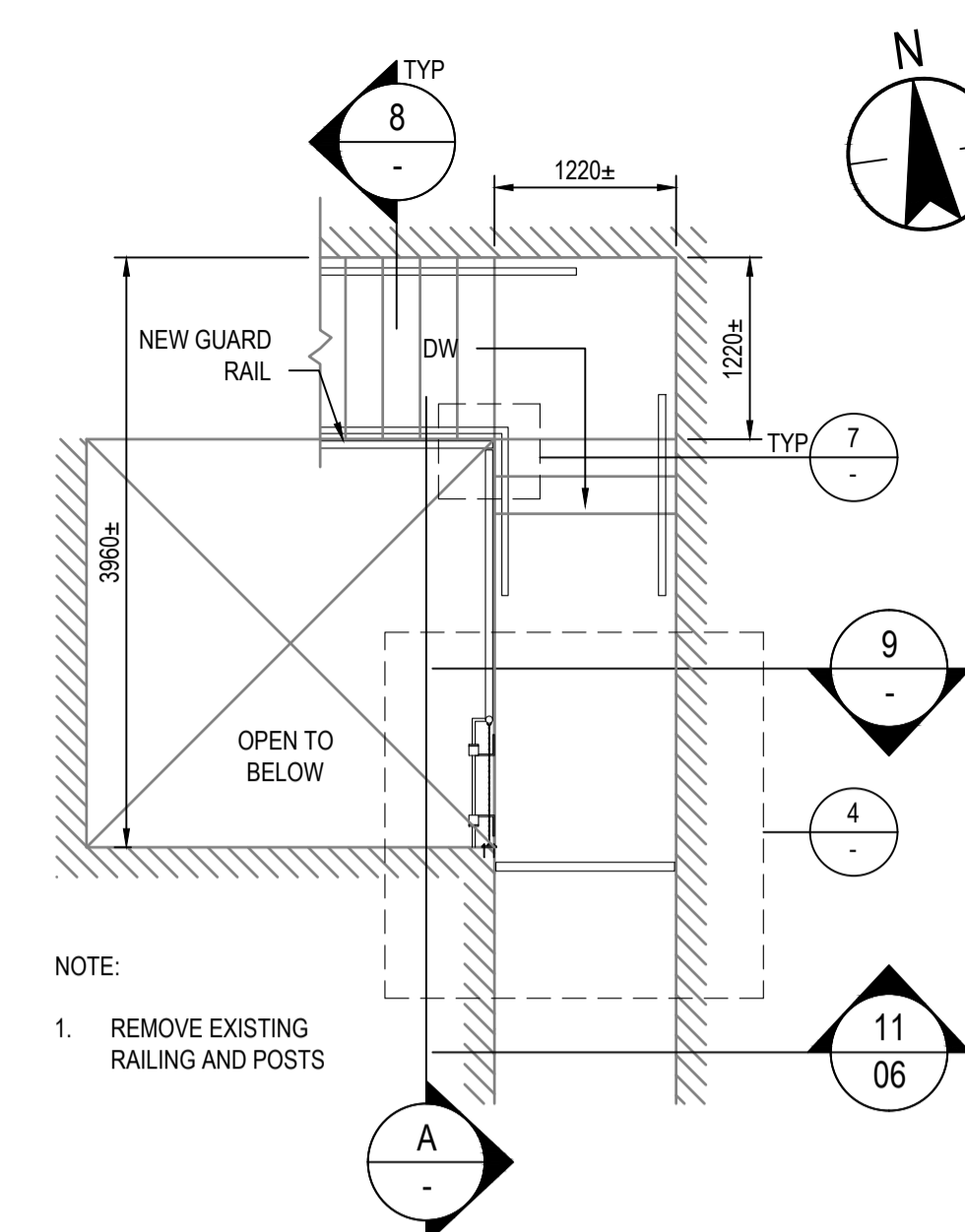
1 INTERIOR STAIR WELL BELOW GRADE (TOP LANDING)
SCALE: 1:50



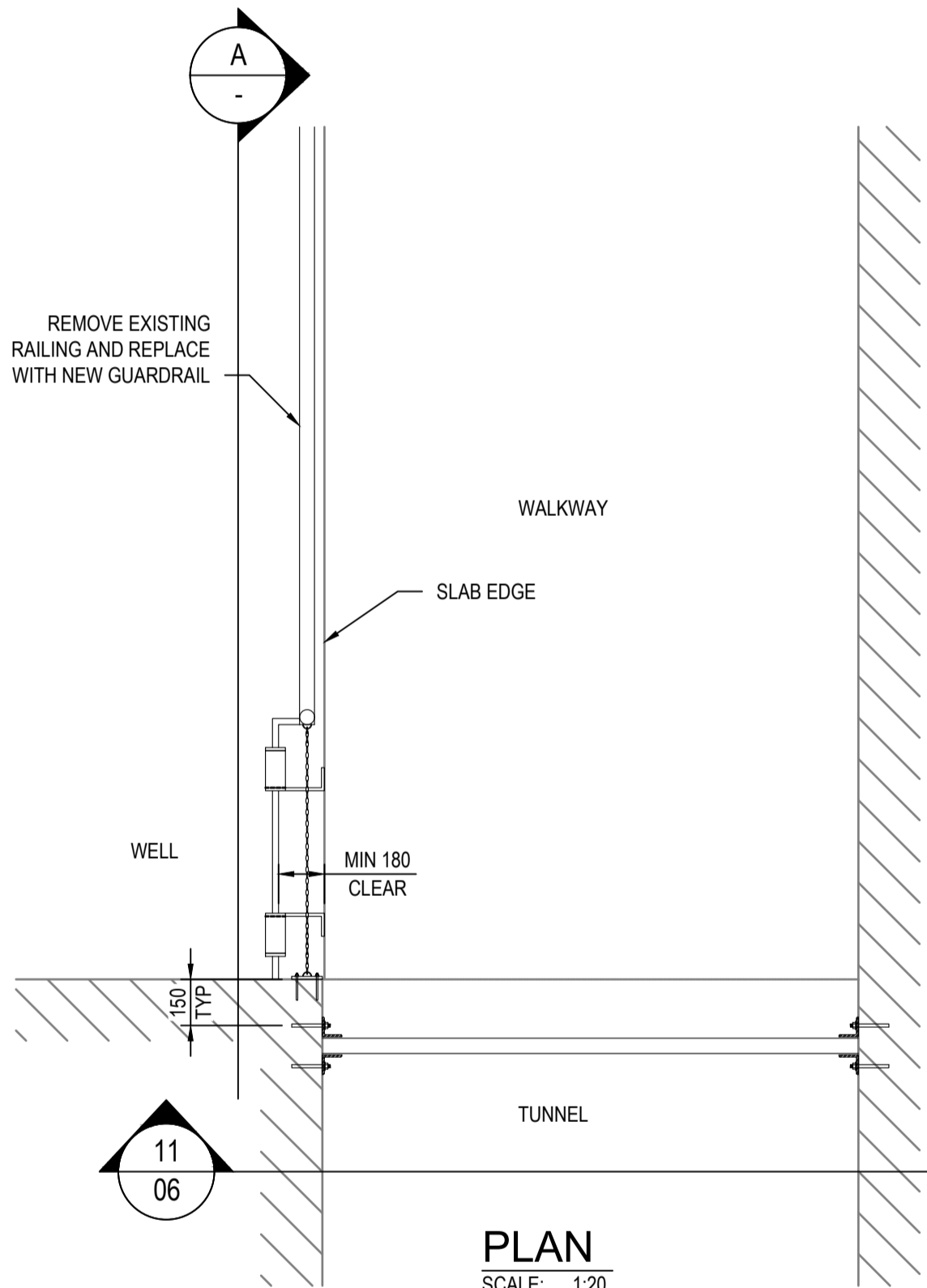
1A REFERENCE PHOTOS
SCALE: NTS



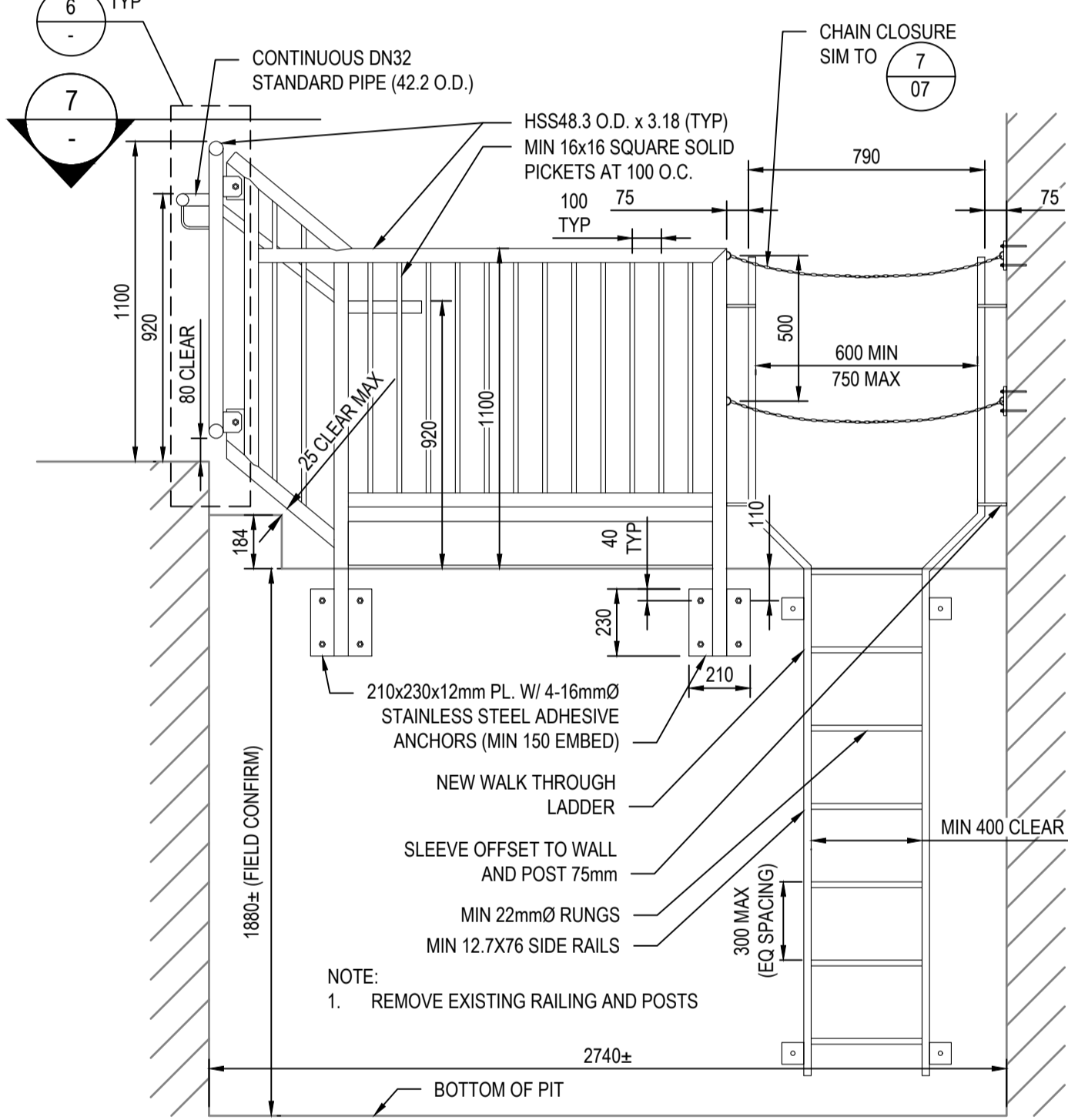
2 INTERIOR STAIR WELL BELOW GRADE (INTERMEDIATE LANDING)
SCALE: 1:50



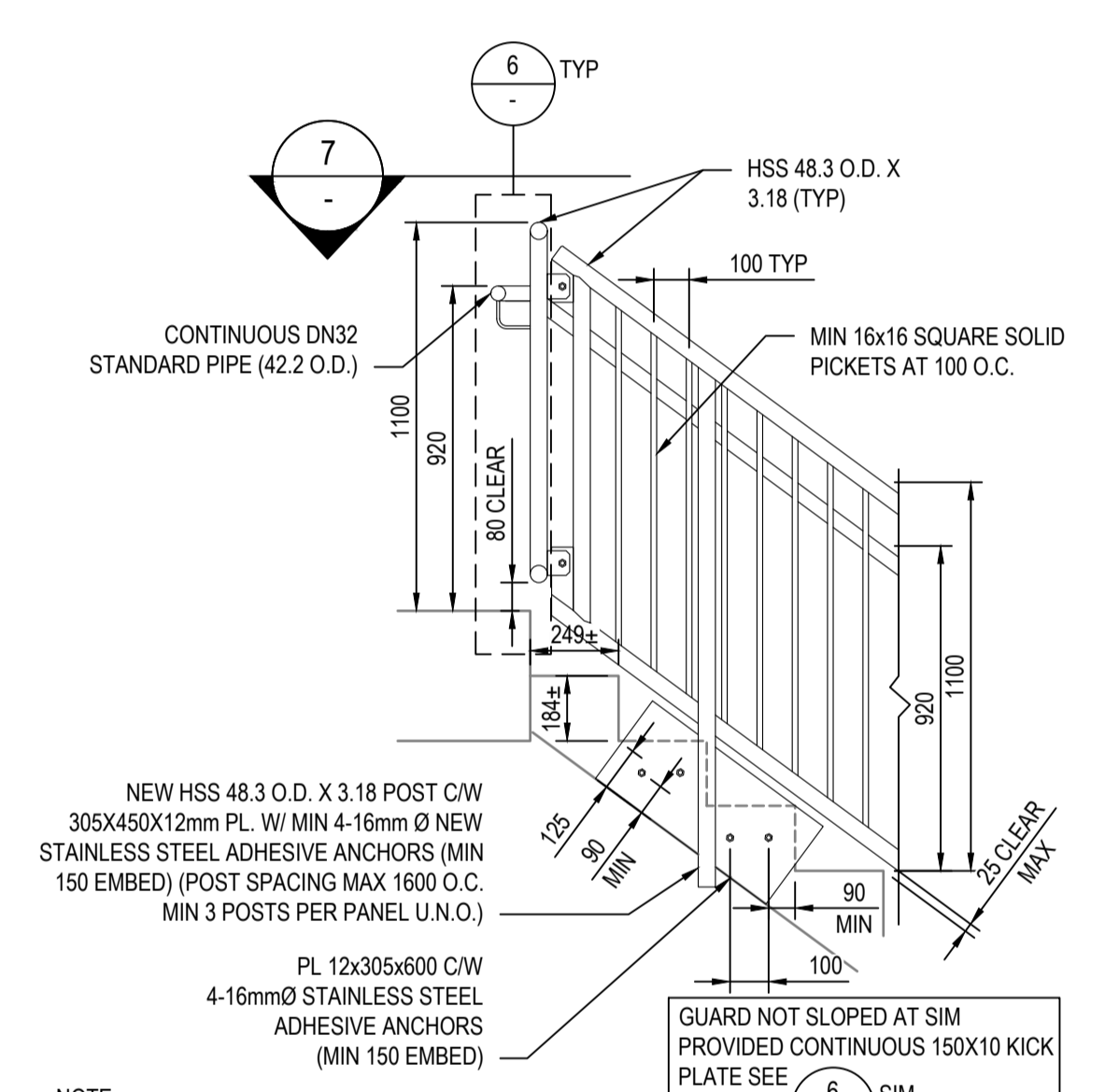
3 INTERIOR STAIR WELL BELOW GRADE (BOTTOM LANDING)
SCALE: 1:50



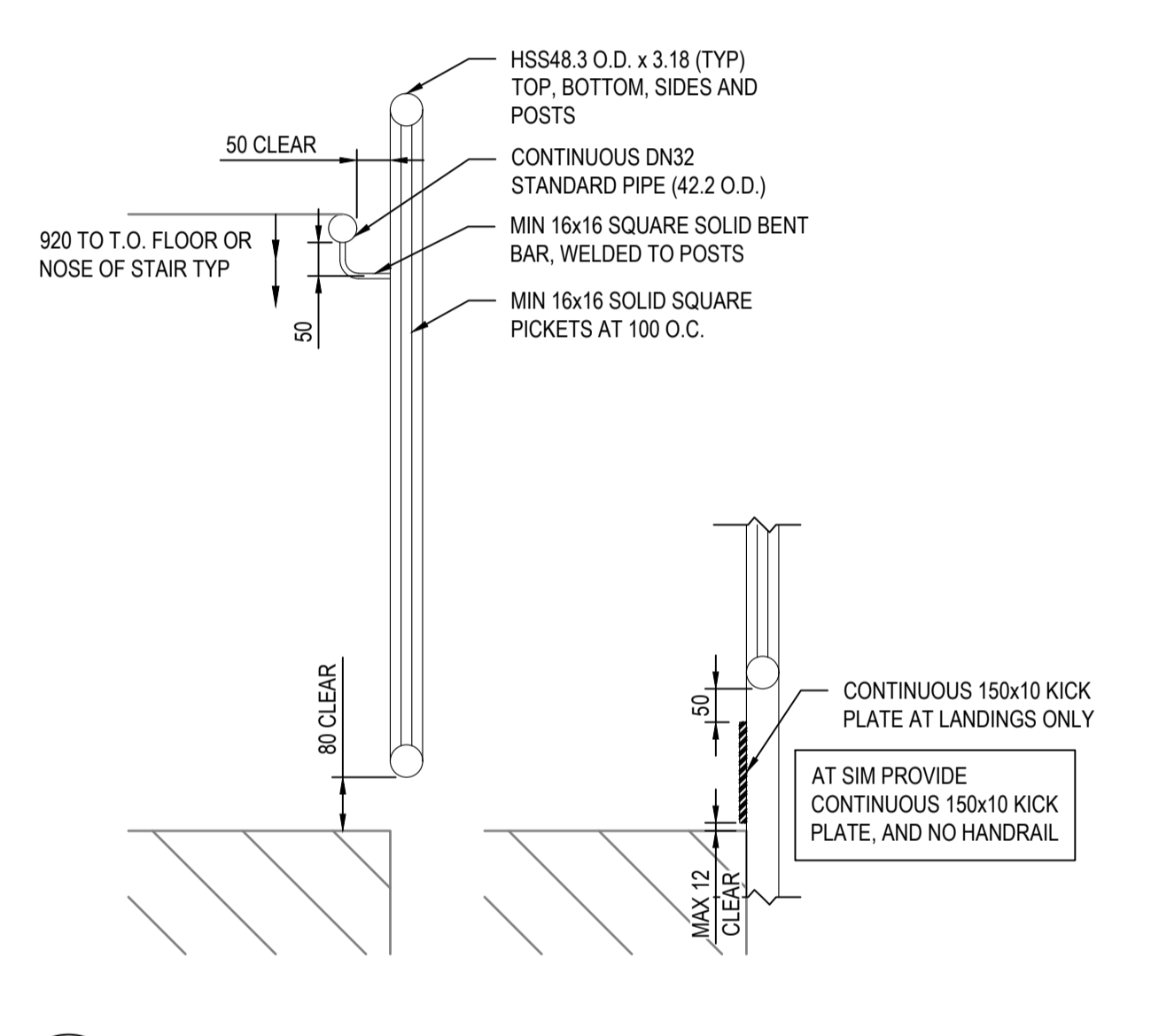
4 WELL (BOTTOM OF STAIR SHAFT)
SCALE: 1:20



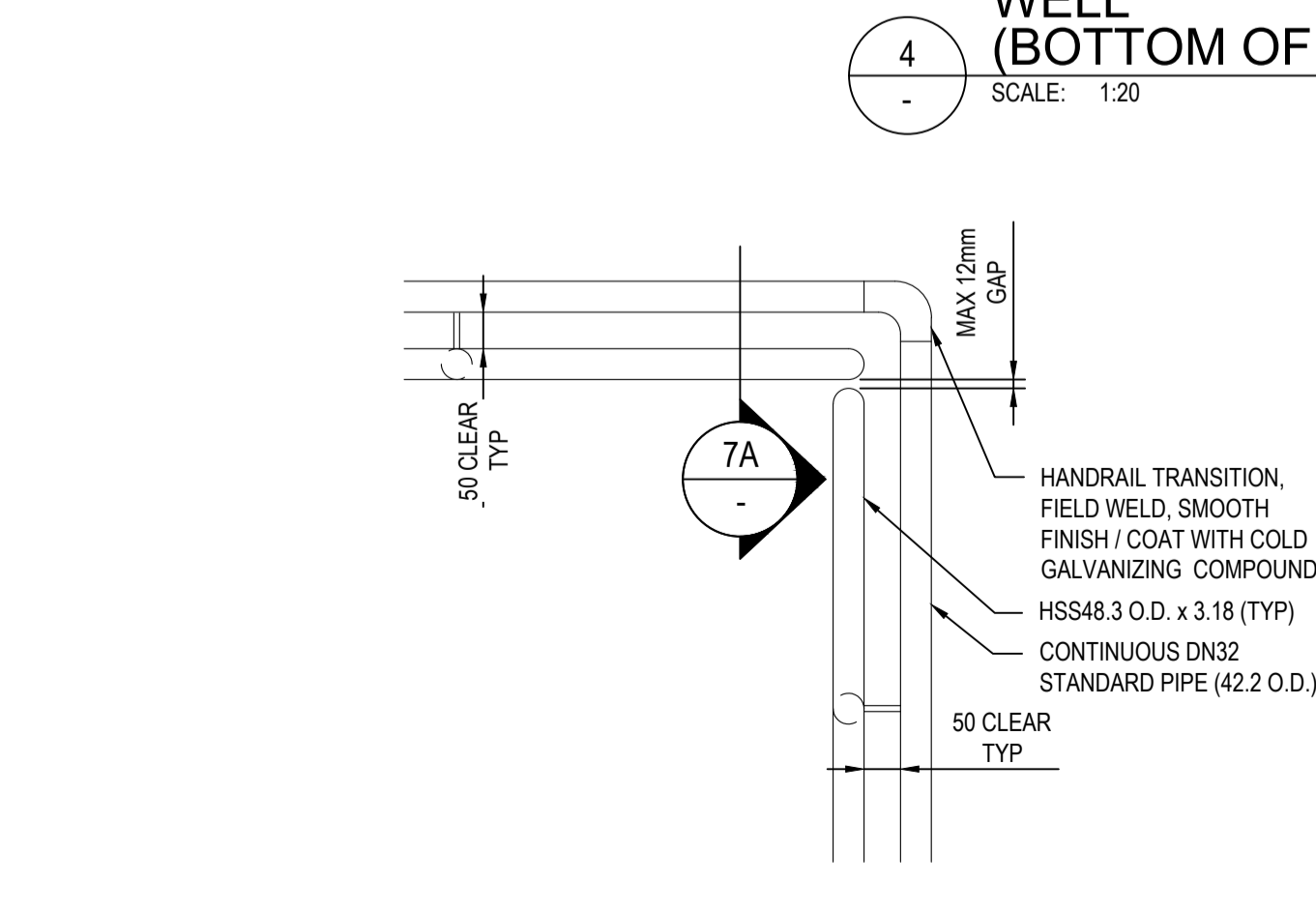
A SECTION NO LADDER AT SIM
SCALE: 1:20



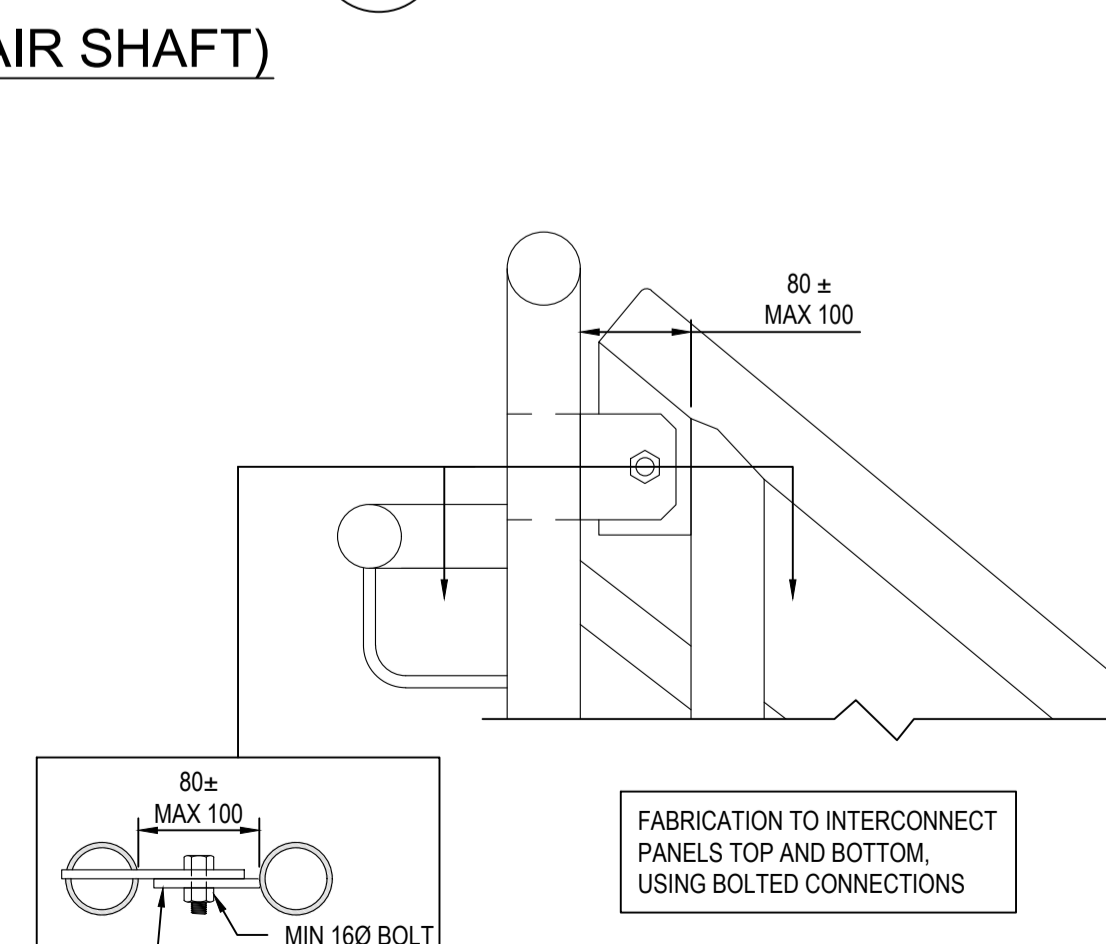
5 TYPICAL STAIR GUARD/ HANDRAIL PANEL
SCALE: 1:20



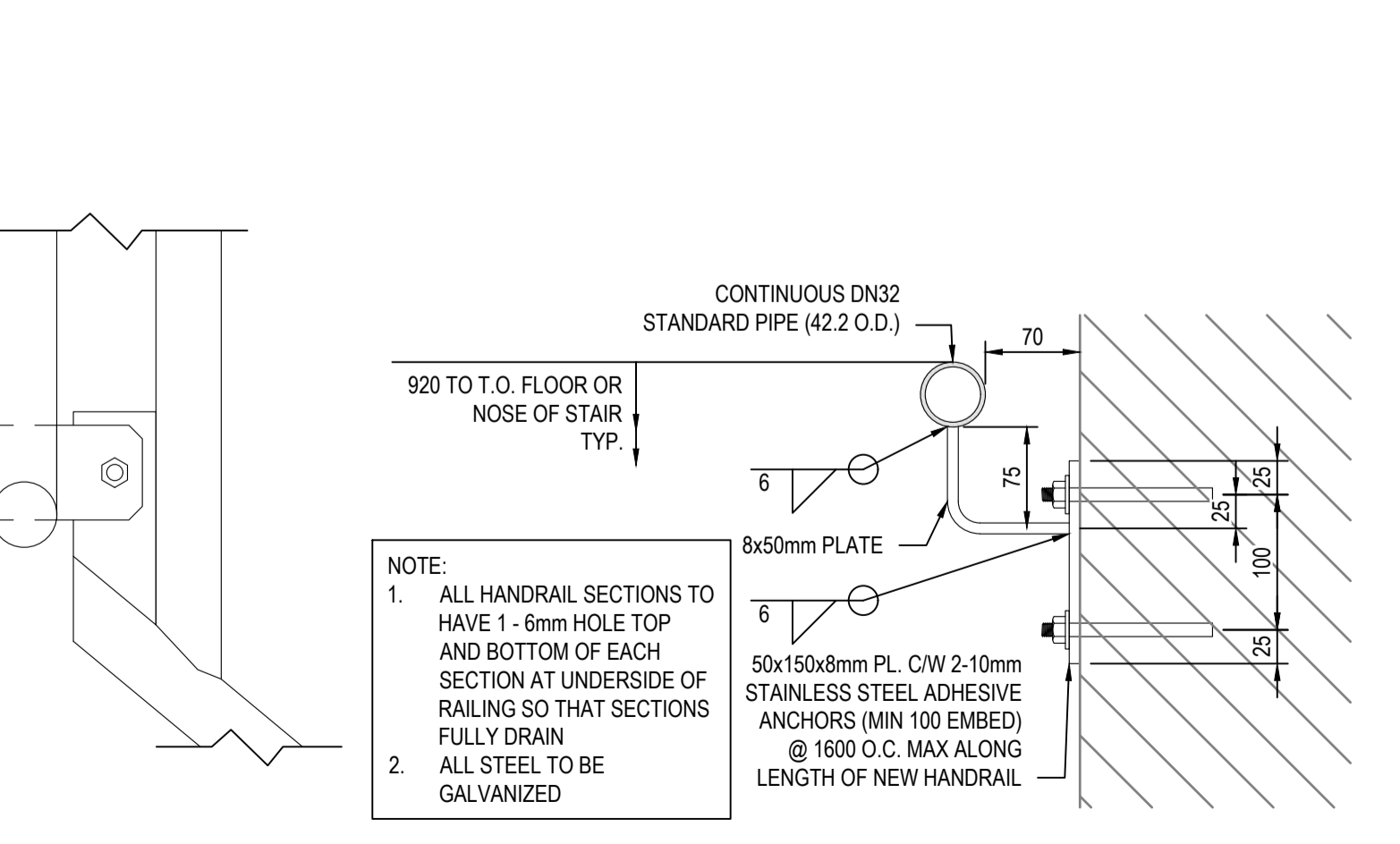
6 TYPICAL STAIR GUARD/ HANDRAIL SECTION
SCALE: 1:10



7 TYPICAL STAIR GUARD/ HANDRAIL TRANSITION
SCALE: 1:10



7A SECTION
SCALE: 1:5



8 NEW HANDRAIL TO CONCRETE WALLS
SCALE: 1:5



9 TUNNEL GUARD AND LADDER
SCALE: NTS



Revision/	Description/Description	Date/Date
2	ISSUED FOR TENDER	2017.10.02
1	ISSUED FOR 95% REVIEW	2017.09.19

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
**ESQUIMALT GRAVING DOCK
825 ADMIRALS ROAD
ESQUIMALT, BC V9A 2P1**
REPLACE DOCK SILL GUARD RAILS

Consultant Signature Only
RANDALL EMERY
Designed by/Concept par
CHELSEA PATON
Drawn by/Dessiné par
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PWGSC Project Manager/Administrateur de Projets TPSGC
JON SISKKA
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC

Drawing title/Titre du dessin
**MAIN GRAVING DOCK
STAIRWELL PLANS,
SECTIONS AND DETAILS**

Project No./No. du projet
R.090420.001
Sheet/Feuille
08
Revision no./La Révision no.
2



