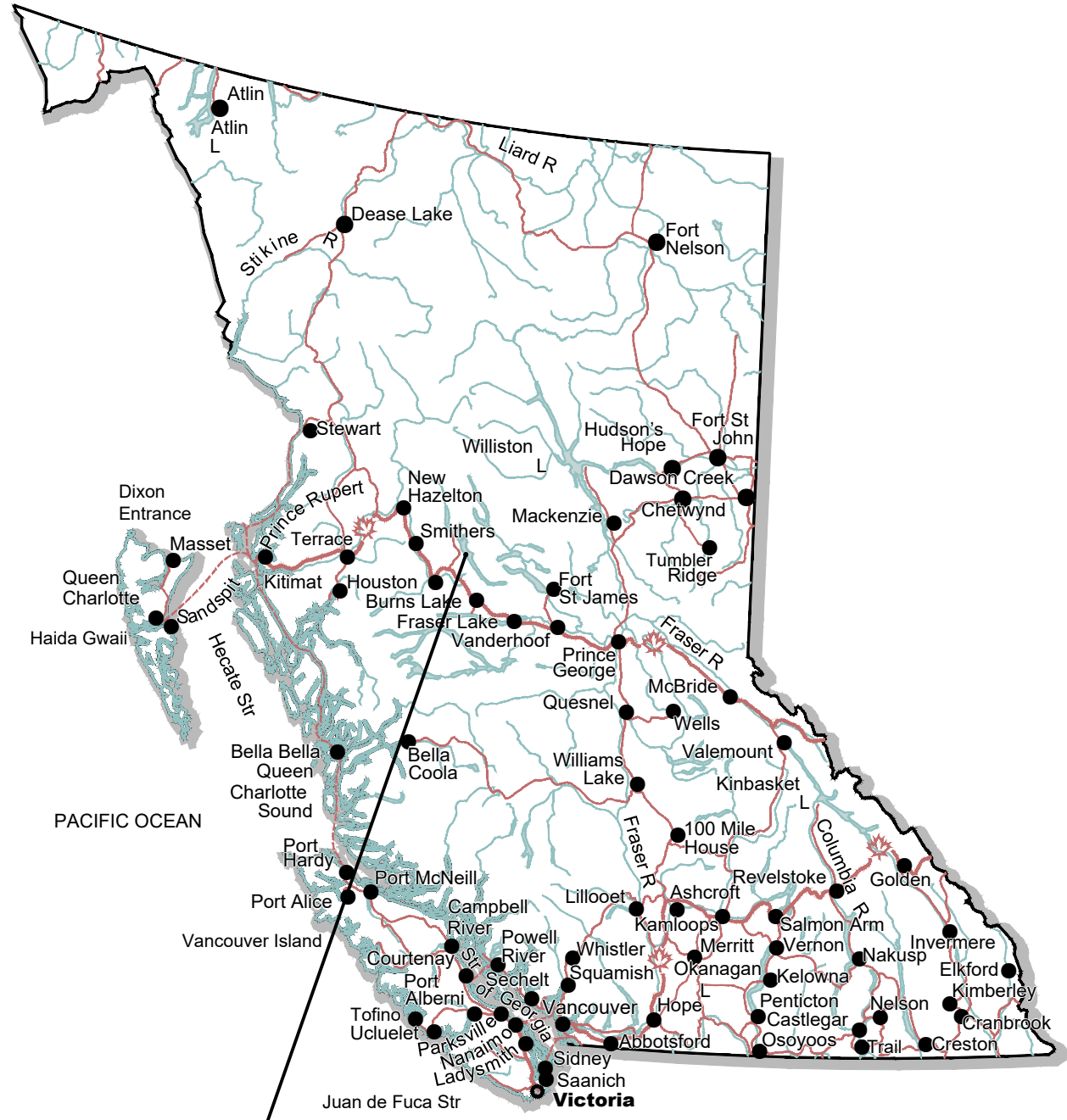




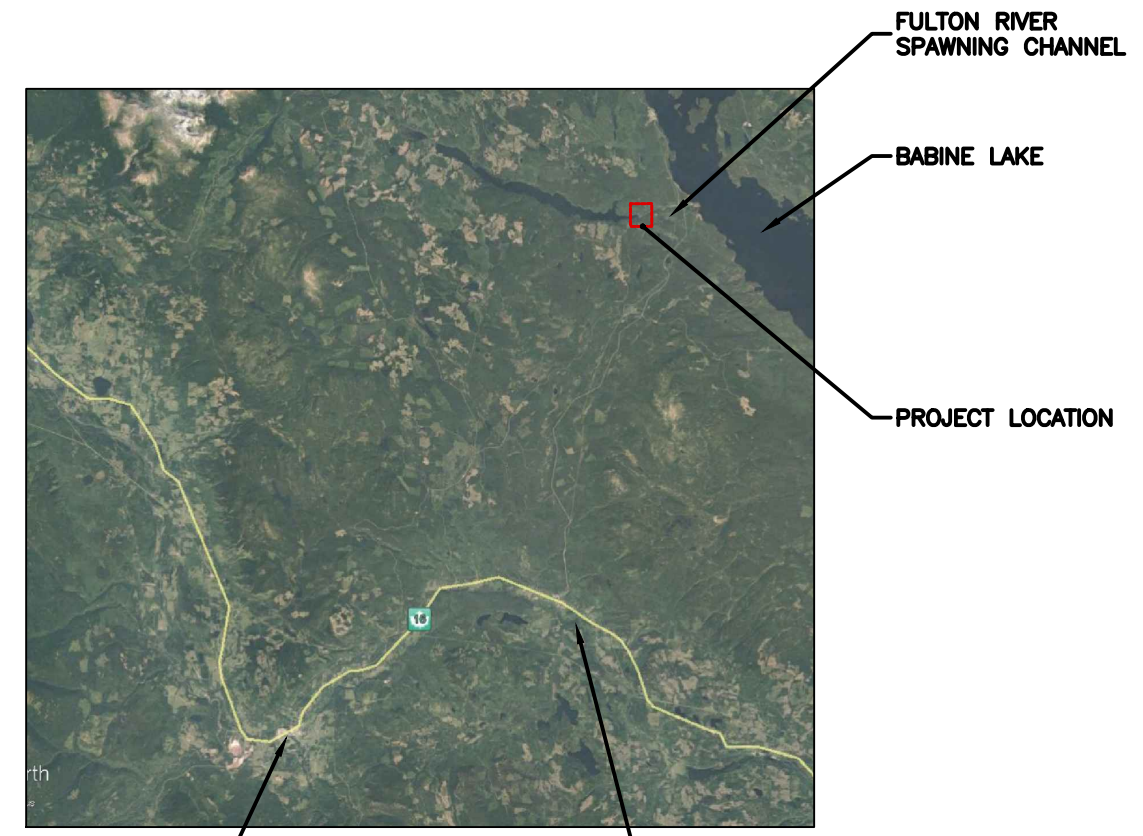
FULTON RESERVOIR REGULATING BUILDING ACCESS STAIR REPLACEMENT

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JULY 30, 2019
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PROJECT LOCATION

DRAWING LIST	
C00	COVER
C01	SITE PLAN
C02	SIDE VIEW
S1.1	GENERAL NOTES AND KEY PLAN
S3.1	DETAILS SHEET 1
S3.2	DETAILS SHEET 2
S3.3	DETAILS SHEET 2



HOUSTON

SITE LOCATION
NOT TO SCALE

TOPLEY



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FULTON DAM

STAIRWAY WORK PLATFORM

DFO PERSONNEL ACCESS TO THE VALVE HOUSE NEEDS TO BE MAINTAINED THROUGHOUT CONSTRUCTION.

GRAVEL ACCESS ROAD TO BABINE LAKE AND FULTON RIVER SPAWNING CHANNEL (APPROX. 4km AWAY).

EXISTING ELECTRICAL AND CONTROL POLE

EXISTING STAIRWAY TO BE REMOVED AND DISPOSED OF. NEW STAIRWAY TO BE BUILT IN PLACE. FUTURE ELECTRICAL AND CONTROLS TO BE ATTACHED TO THE PROPOSED STAIR STRUCTURE.

POWER POLE AND ASSOCIATED WIRES TO BE DECOMMISSIONED BY CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION.

VALVE HOUSE

FULTON RIVER

 DEPARTMENT OF FISHERIES AND OCEANS
HABITAT AND ENHANCEMENT BRANCH

URBAN
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DESIGNED
S.DUPLUS
DRAWN
S.CHAN
CHECKED
S.DUPLUS
RECOMMENDED
APPROVED
APPROVED

FULTON RESERVOIR
REGULATING BUILDING ACCESS
STAIR REPLACEMENT
SITE PLAN

SCALE
1:2000
DATE
2019-07-30
DRAWING NUMBER
C01
REVISION
0

DWG. NO.	REFERENCE DRAWINGS	NOTES	NO.	DATE	REVISIONS
			0	JULY 30, 2019	ISSUED FOR PRELIMINARY

\\usurbansystems.com\projects\Projects_VAN\1054\0000\03\03\Design\CAD\PROD\SET 1\C01-C02 1054000003 - Site Plan.dwg, C02-Side View, 2019/07/30 02:21 pm King



EXISTING STAIRWAY TO BE REMOVED AND DISPOSED OF.
NEW STAIRWAY TO BE BUILT IN PLACE.
NEW ELECTRICAL AND CONTROLS TO BE ATTACHED TO THE STAIR STRUCTURE.

THE EXISTING ROOF OF THE VALVE HOUSE IS COVERED BY GRAVEL (APPROX. 2 TO 3 FEET THICK). INSTALLATION OF NEW STAIRWAY FOUNDATION AND STRUCTURE ON TOP OF THE VALVE HOUSE WILL REQUIRE REMOVAL OF EXISTING GRAVEL. AFTER STAIR CONSTRUCTION, ROOF IS TO BE BACKFILLED WITH 19mm MINUS FREE DRAINING GRAVEL APPROVED BY DFO REPRESENTATIVE (REFER TO DRAWING 21-19-M46).

NEW STAIRWAY FOUNDATIONS (ROCK ANCHORING) TO BE LOCATED BY CONTRACTOR, AND APPROVED BY DFO REPRESENTATIVE. CONTRACTOR TO FINALIZE STRUCTURE DIMENSIONS AND ISSUE SHOP DRAWINGS AFTER FOUNDATION LOCATIONS APPROVED.

DEPARTMENT OF FISHERIES AND OCEANS
HABITAT AND ENHANCEMENT BRANCH



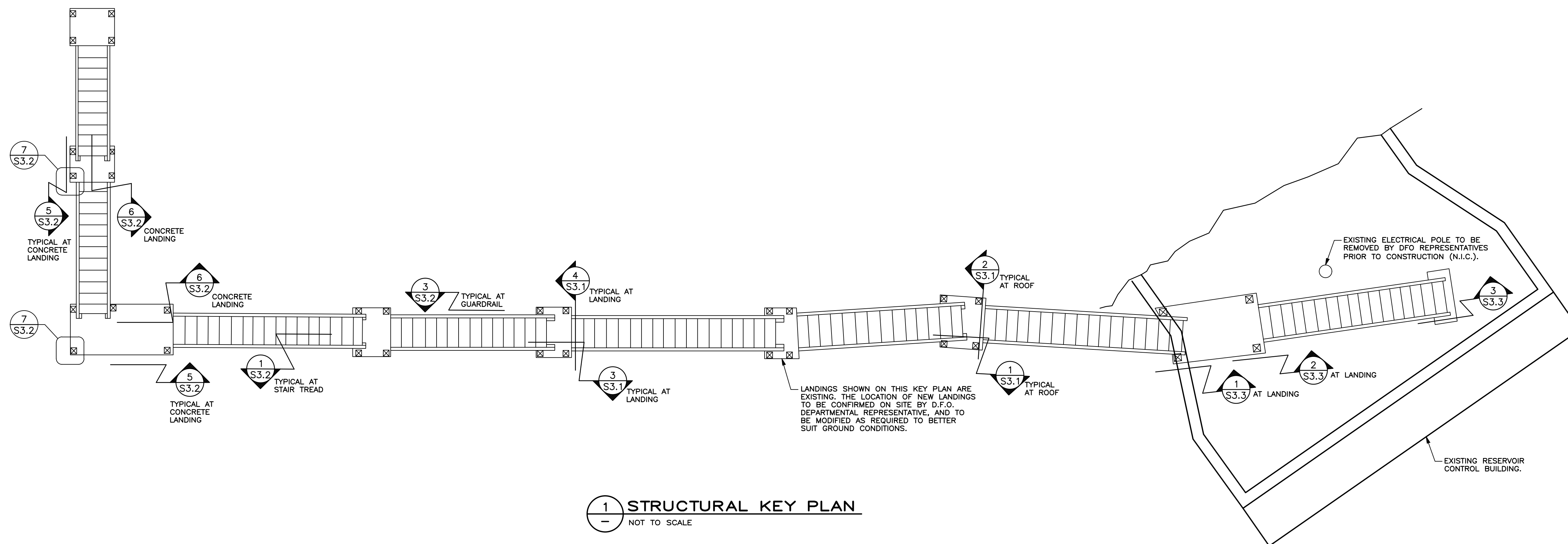
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JULY 30, 2019
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DESIGNED
S.DUPLUS
DRAWN
S.CHAN
CHECKED
S.DUPLUS
RECOMMENDED
APPROVED
APPROVED

FULTON RESERVOIR
REGULATING BUILDING ACCESS
STAIR REPLACEMENT
SIDE VIEW

SCALE
1:2000
DATE
2019-07-30
DRAWING NUMBER
C02
REVISION
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DWG. NO.	REFERENCE DRAWINGS	NOTES	NO.	DATE	REVISIONS
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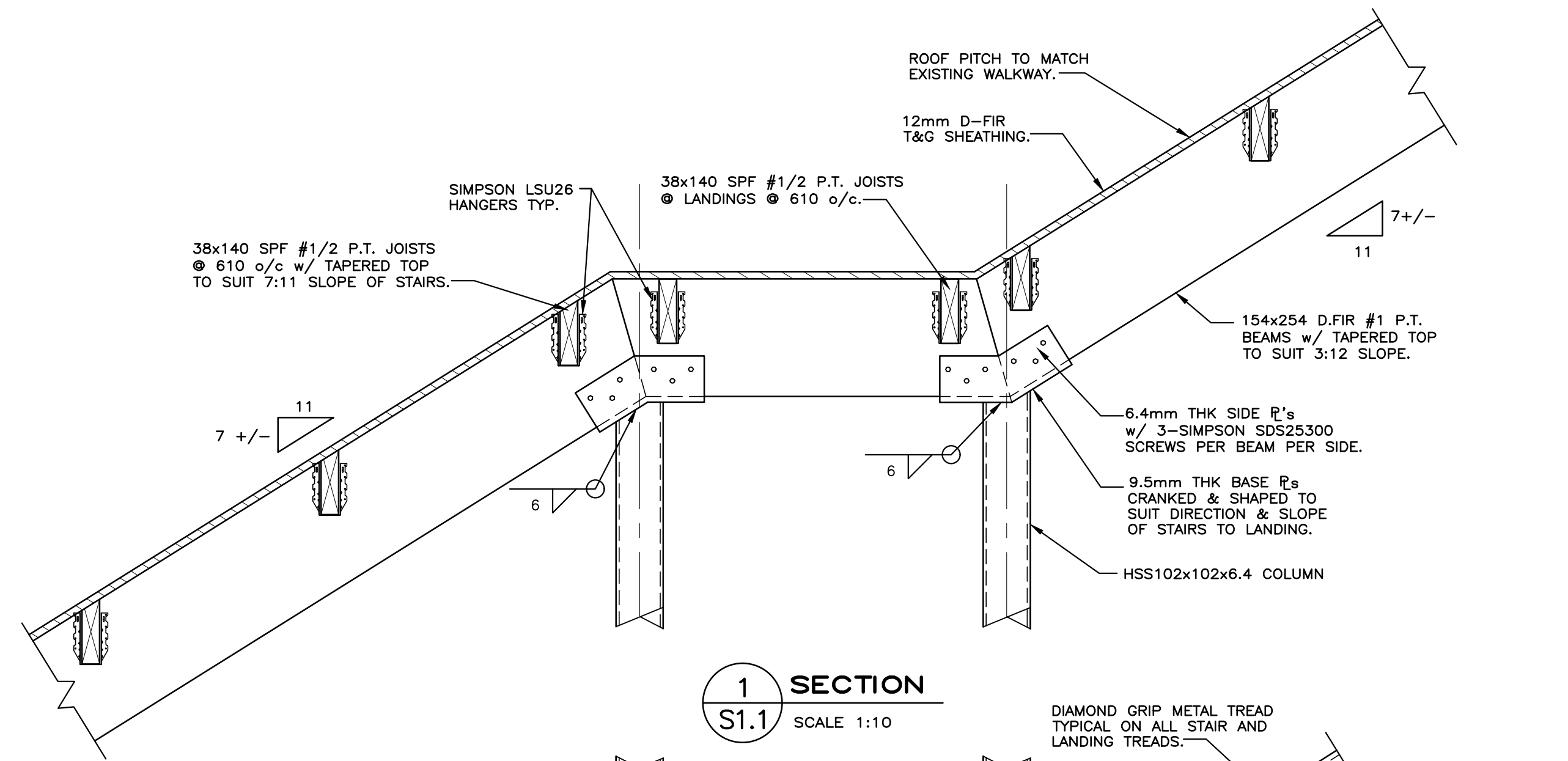
1 STRUCTURAL KEY PLAN
NOT TO SCALE

M K M M N Structural Engineering	S
	M
	N
DWG. NO.	DRAWING REFERENCES

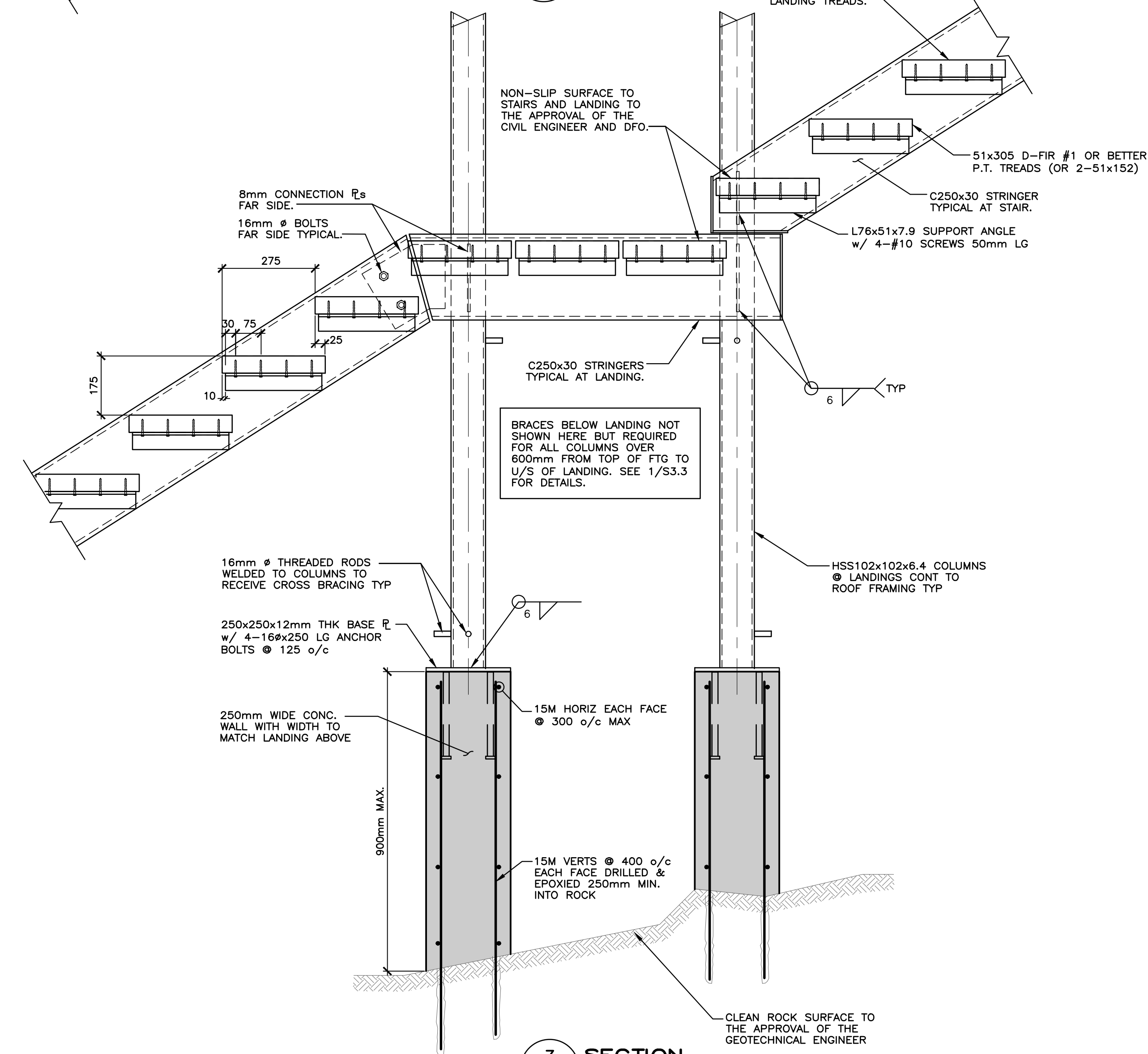
FOR REFERENCE ONLY

NO.	DATE	REVISIONS
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1	2018-09-28	ISSUED FOR REVIEW

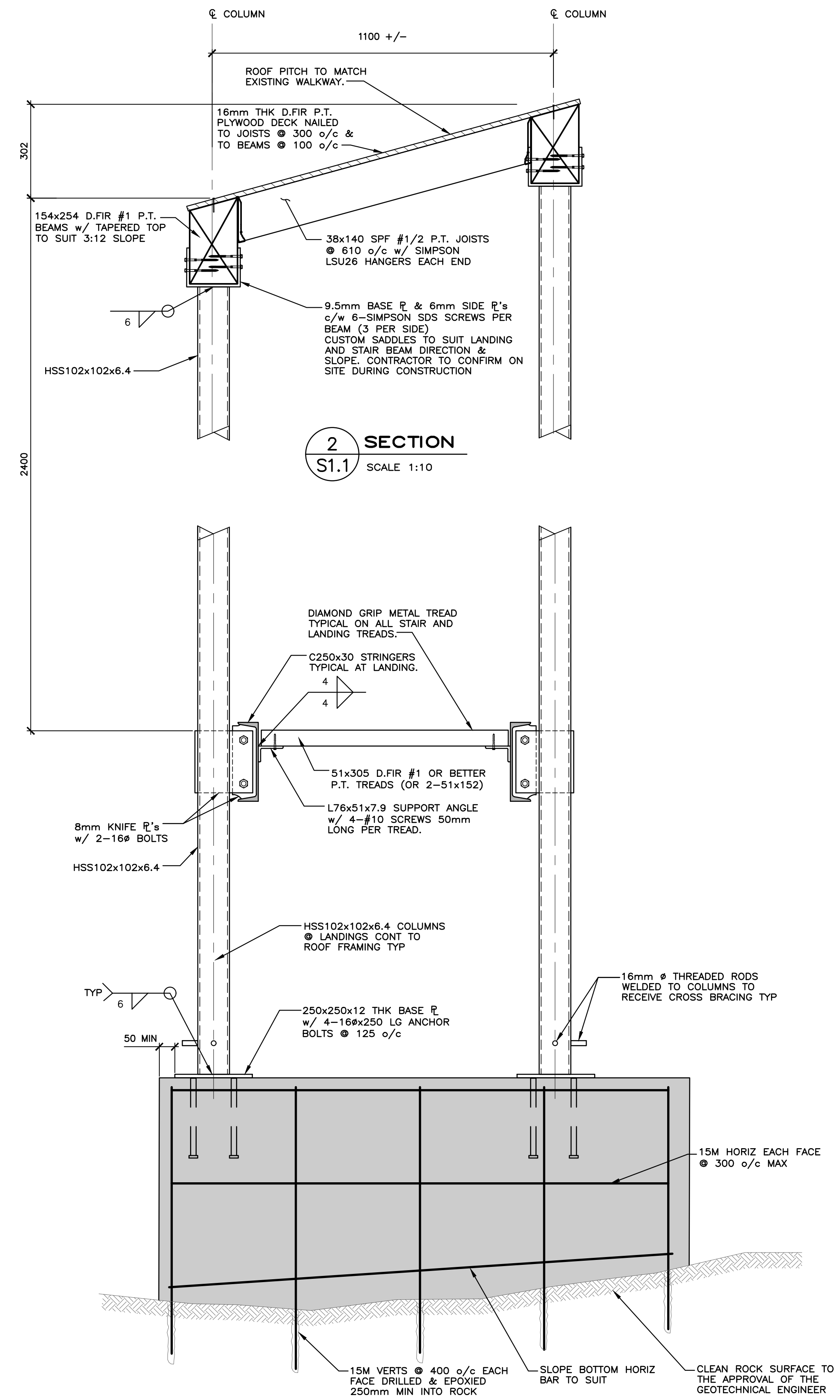
FISHERIES AND OCEANS CANADA REAL PROPERTY AND SAFETY AND SECURITY	
FULTON RESERVOIR REGULATING BUILDING ACCESS STAIR REPLACEMENT KEY PLAN	
DESIGNED SD/PWSM	SCALE N/A
DRAWN PWSM	START DATE 2018-09-01
CHECKED	DRAWING NUMBER MSE0025 S1.1
RECOMMENDED	
APPROVED	



1 SECTION
S1.1 SCALE 1:10



3 SECTION
S1.1 SCALE 1:10



2 SECTION
S1.1 SCALE 1:10

4 SECTION
S1.1 SCALE 1:10

FOR REFERENCE ONLY

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K	M
M	N
Structural Engineering	

DWG. NO. DRAWING REFERENCES

NOTES		
NO.	DATE	REVISIONS
2	2019-04-19	ISSUED FOR TENDER
1	2018-07-30	ISSUED FOR REVIEW

NO. DATE REVISIONS

DESIGNED	SD/PWSM
DRAWN	PWSM
CHECKED	
RECOMMENDED	
APPROVED	

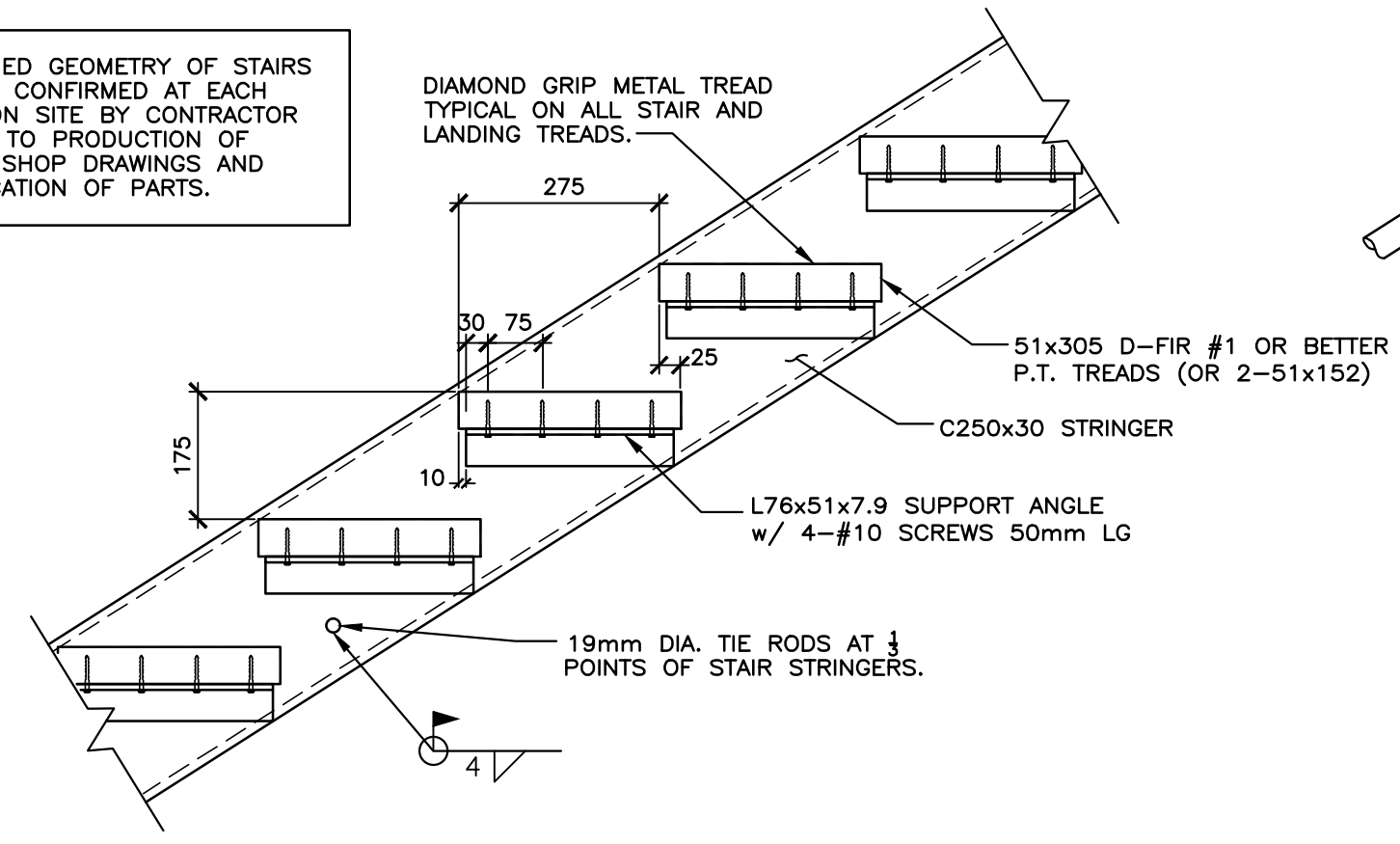
FISHERIES AND OCEANS CANADA
REAL PROPERTY AND SAFETY AND SECURITY

FULTON RESERVOIR REGULATING BUILDING
ACCESS STAIR REPLACEMENT
DETAILS SHEET 1

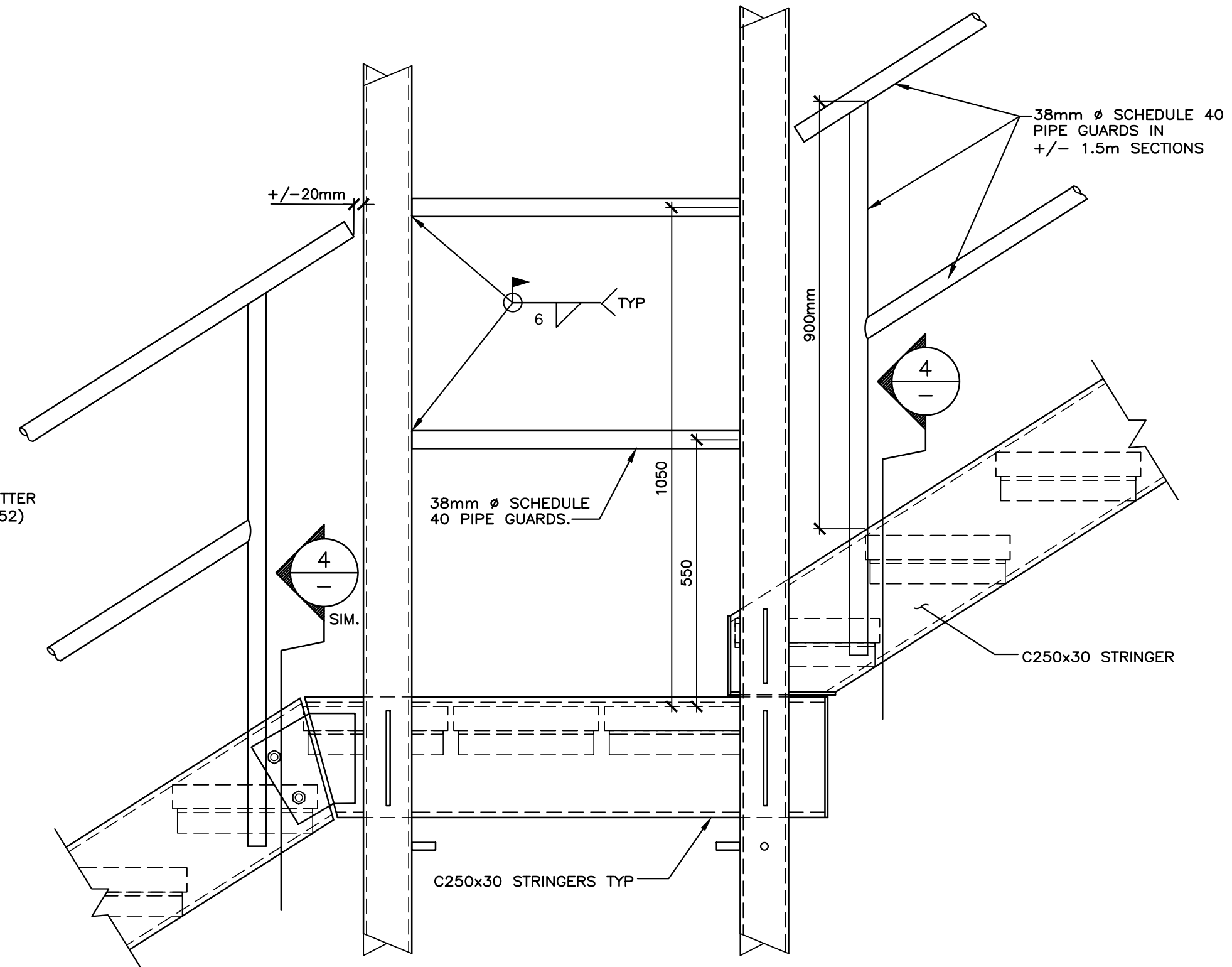
SCALE 1:10
START DATE 2018-09-01
DRAWING NUMBER MSE0025 S3.1

SCALE 1:10 START DATE 2018-09-01 DRAWING NUMBER MSE0025 S3.1

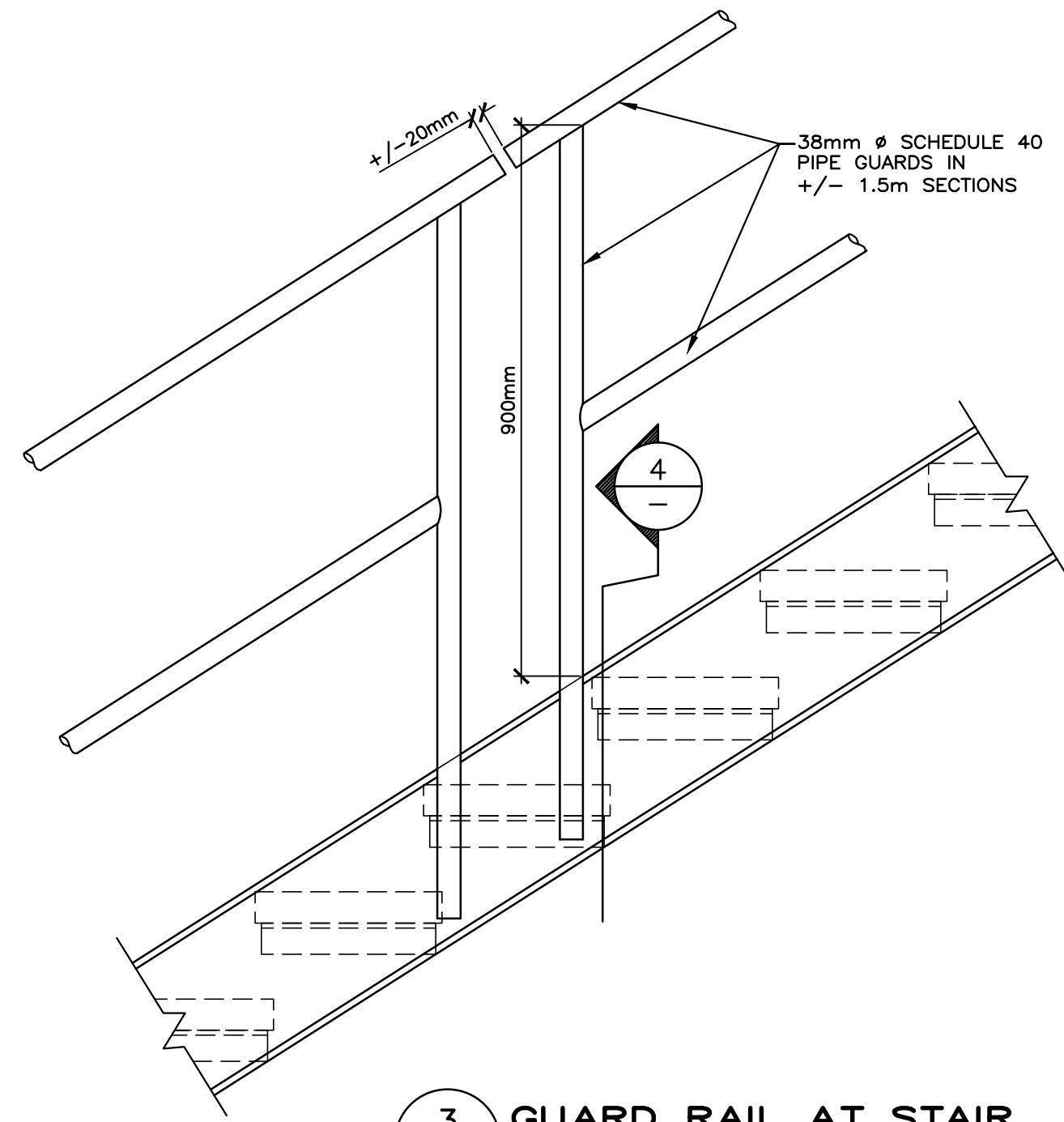
ASSUMED GEOMETRY OF STAIRS TO BE CONFIRMED AT EACH RUN ON SITE BY CONTRACTOR PRIOR TO PRODUCTION OF SHOP SHOP DRAWINGS AND FABRICATION OF PARTS.



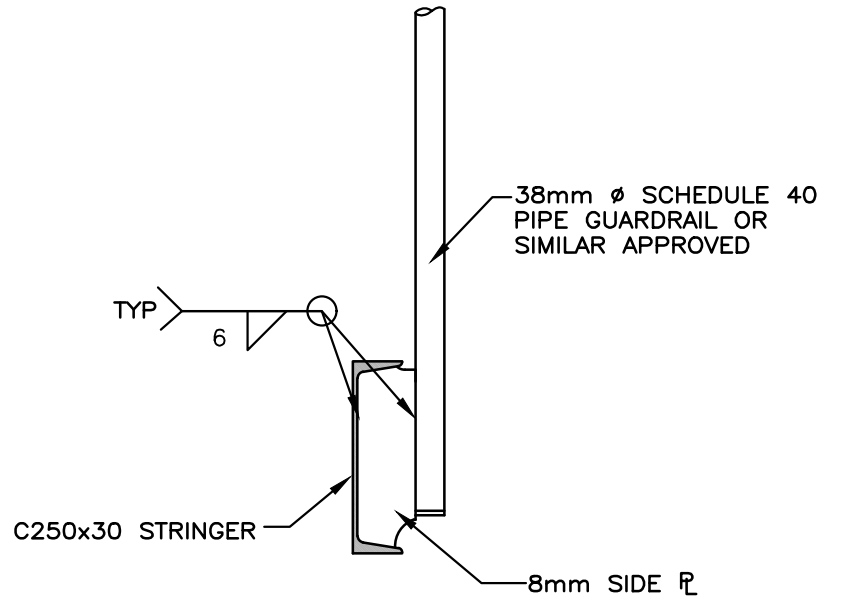
1 STAIR TREAD DETAIL
1.1 SCALE 1:10



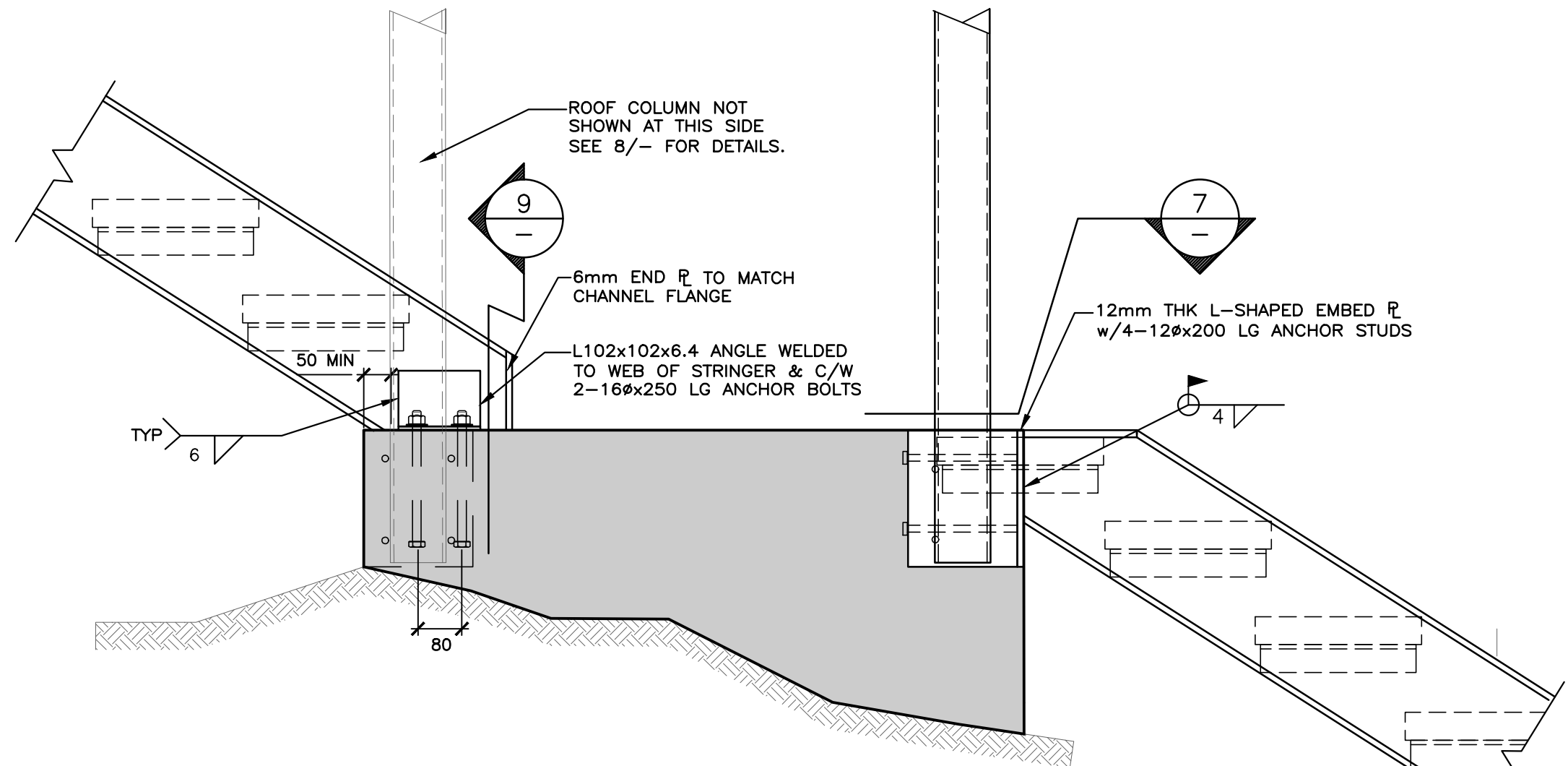
2 GUARD RAIL AT LANDING
1.1 SCALE 1:10



3 GUARD RAIL AT STAIR
1.1 SCALE 1:10

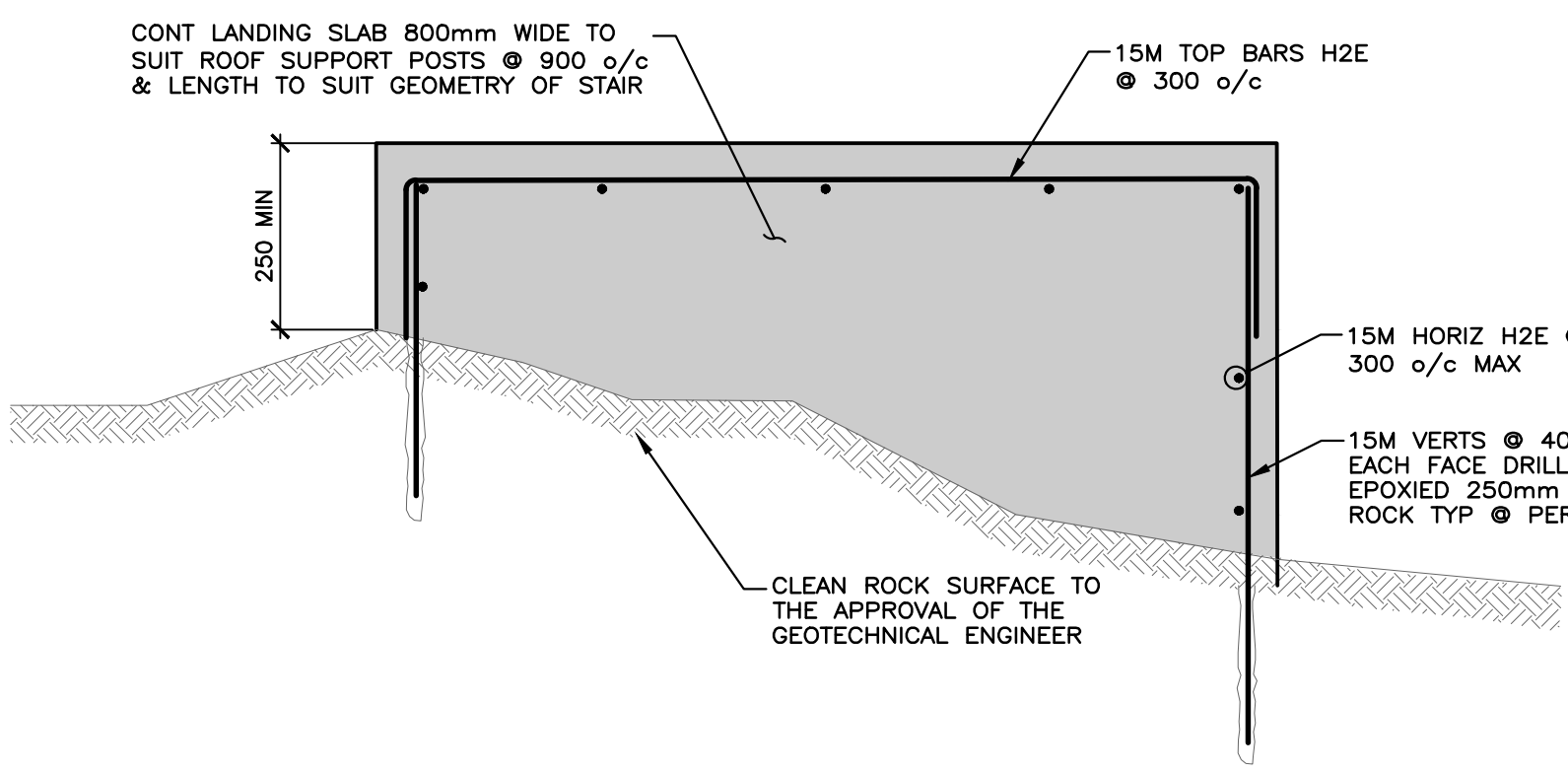


4 GUARD RAIL
SCALE 1:10

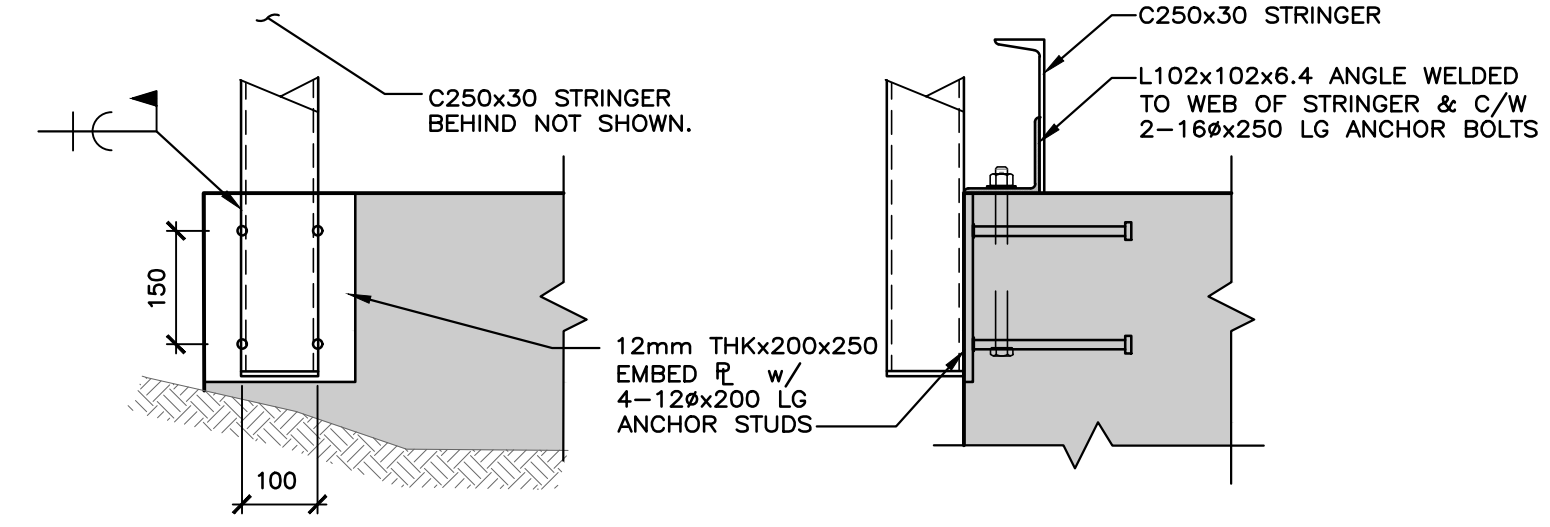


5 SECTION
1.1 SCALE 1:10

NOTE: CAUTION MUST BE TAKEN WHEN SITE WELDING TO EMBED PLATES NOT TO OVER HEAT THEM THAT THEY EXPAND AND SPALL THE CONCRETE.

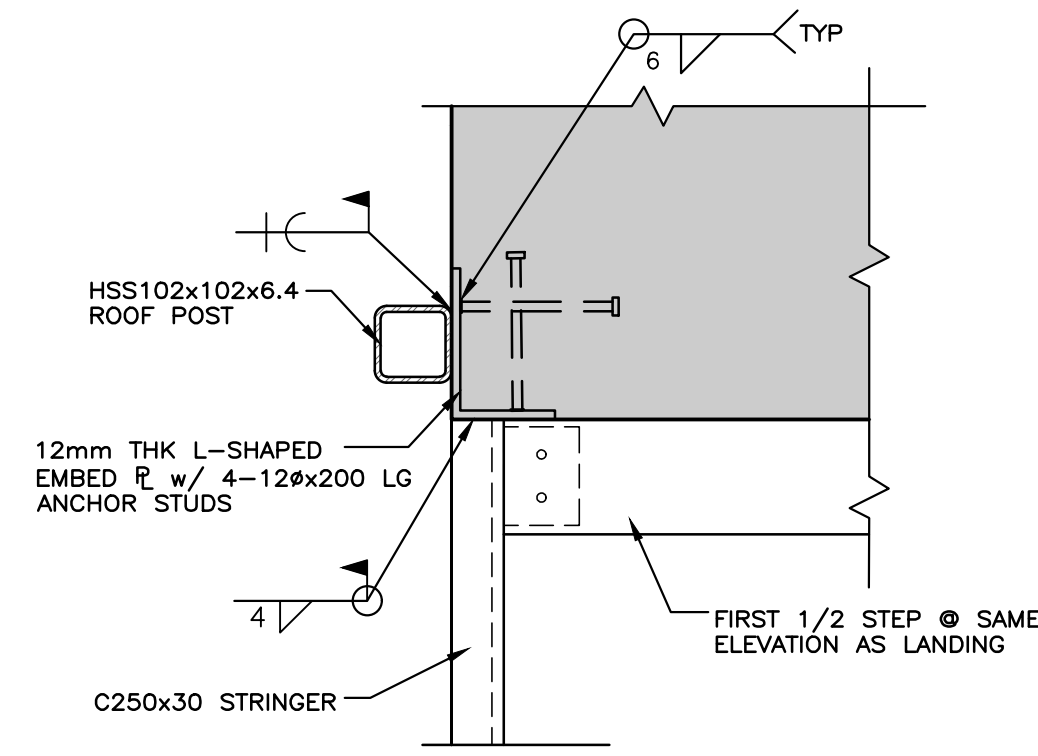


6 SECTION
1.1 SCALE 1:10



8 ELEVATION
SCALE 1:10

9 SECTION
SCALE 1:10



7 SECTIONAL PLAN
S3.2 SCALE 1:10

NOTE: CAUTION MUST BE TAKEN WHEN SITE WELDING TO EMBED PLATES NOT TO OVER HEAT THEM THAT THEY EXPAND AND SPALL THE CONCRETE.

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Structural Engineering	

FOR REFERENCE ONLY

DWG. NO. DRAWING REFERENCES

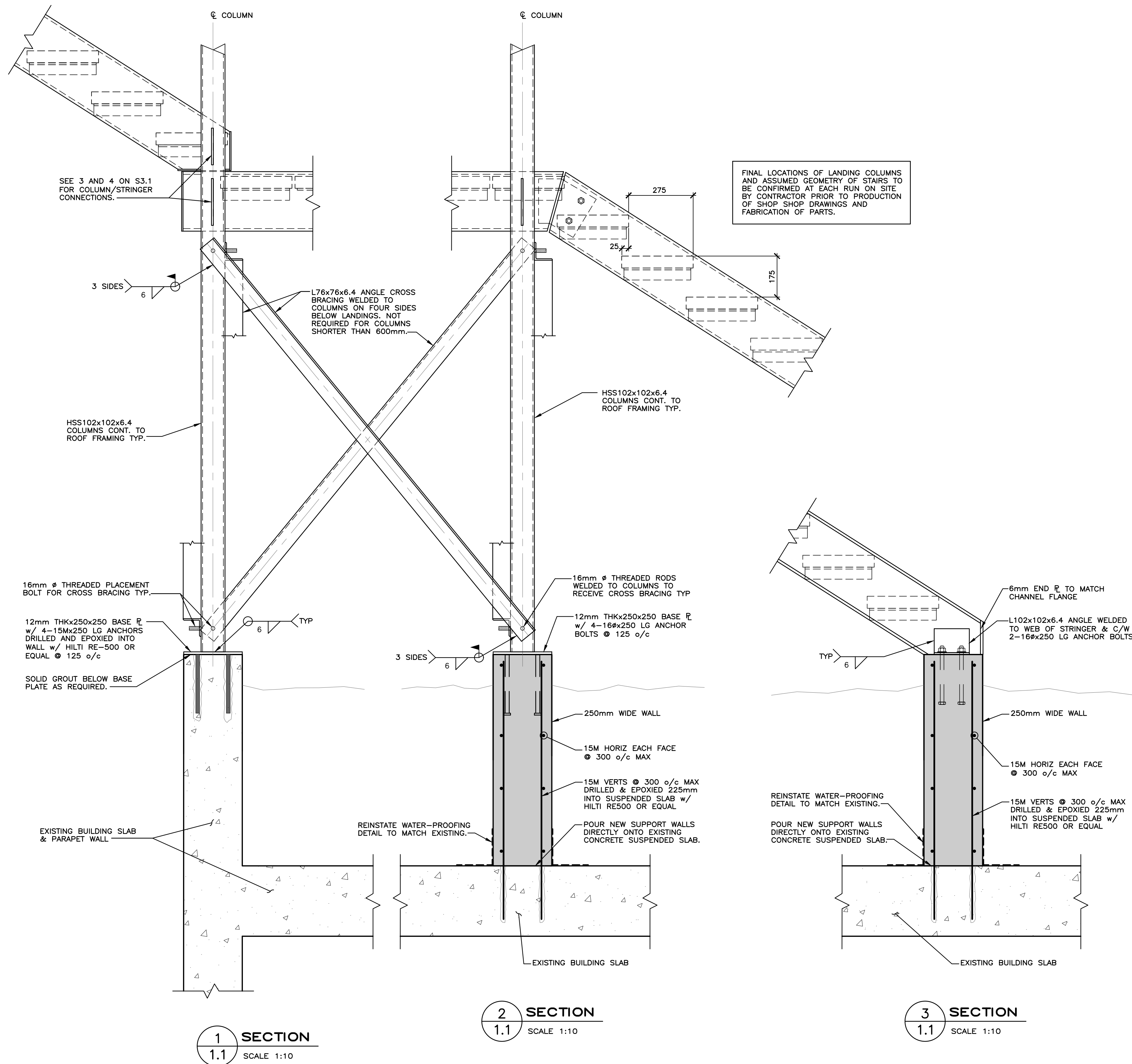
NOTES

NO. DATE REVISIONS

DESIGNED	SD/PWSM
DRAWN	PWSM
CHECKED	
RECOMMENDED	
APPROVED	

FULTON RESERVOIR REGULATING BUILDING
ACCESS STAIR REPLACEMENT
DETAILS SHEET 2

SCALE	1:10
START DATE	2018-09-01
DRAWING NUMBER	MSE0025 S3.2



FINAL LOCATIONS OF LANDING COLUMNS AND ASSUMED GEOMETRY OF STAIRS TO BE CONFIRMED AT EACH RUN ON SITE BY CONTRACTOR PRIOR TO PRODUCTION OF SHOP DRAWINGS AND FABRICATION OF PARTS.

1 SECTION
1.1 SCALE 1:10

2 SECTION
1.1 SCALE 1:10

3 SECTION
1.1 SCALE 1:10

FOR REFERENCE ONLY

FISHERIES AND OCEANS CANADA
REAL PROPERTY AND SAFETY AND SECURITY

DESIGNED SD/PWSM DRAWN PWSM CHECKED RECOMMENDED APPROVED	FULTON RESERVOIR REGULATING BUILDING ACCESS STAIR REPLACEMENT DETAILS SHEET 2		SCALE 1:10
			START DATE 2018-09-01
			DRAWING NUMBER MSE0025 S3.3

M S K M M N Structural Engineering	DWG. NO.	DRAWING REFERENCES

2	2019-04-19	ISSUED FOR TENDER	
1	2018-07-30	ISSUED FOR REVIEW	