



Parks
Canada

Parcs
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Canada

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

NORTH ENTRANCE

PROJECT NO. 604

DRAWINGS LIST

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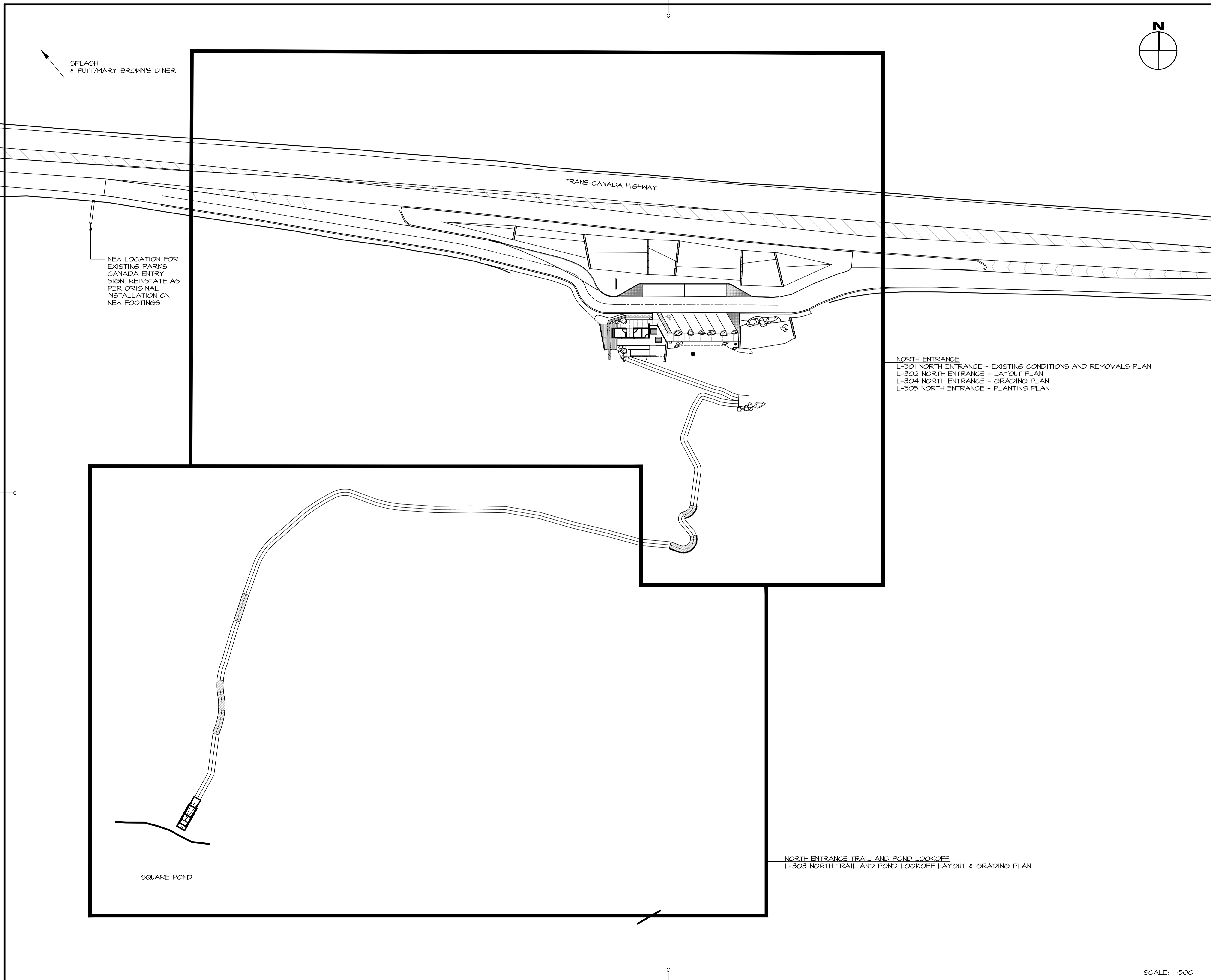
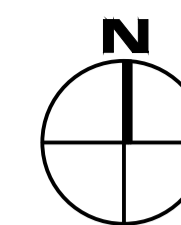
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ELECTRICAL

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ISSUED FOR TENDER DEC. 23, 2016

Canada



SPLASH & PUTT/MARY BROWN'S DINER

NEW LOCATION FOR EXISTING PARKS CANADA ENTRY SIGN. REINSTATE AS PER ORIGINAL INSTALLATION ON NEW FOOTINGS

TRANS-CANADA HIGHWAY

NORTH ENTRANCE
 L-301 NORTH ENTRANCE - EXISTING CONDITIONS AND REMOVALS PLAN
 L-302 NORTH ENTRANCE - LAYOUT PLAN
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SQUARE POND

NORTH ENTRANCE TRAIL AND POND LOOKOFF
 L-303 NORTH TRAIL AND POND LOOKOFF LAYOUT & GRADING PLAN

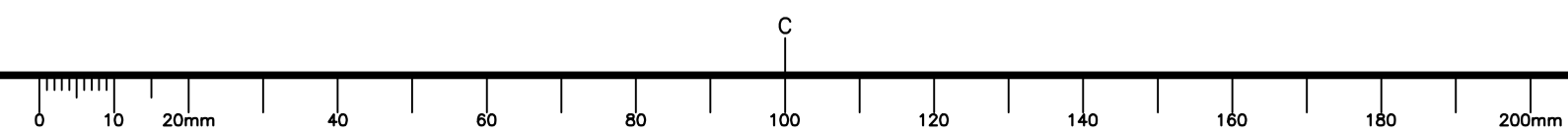
3	ISSUED FOR TENDER	DEC 23 2016
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revisions		date

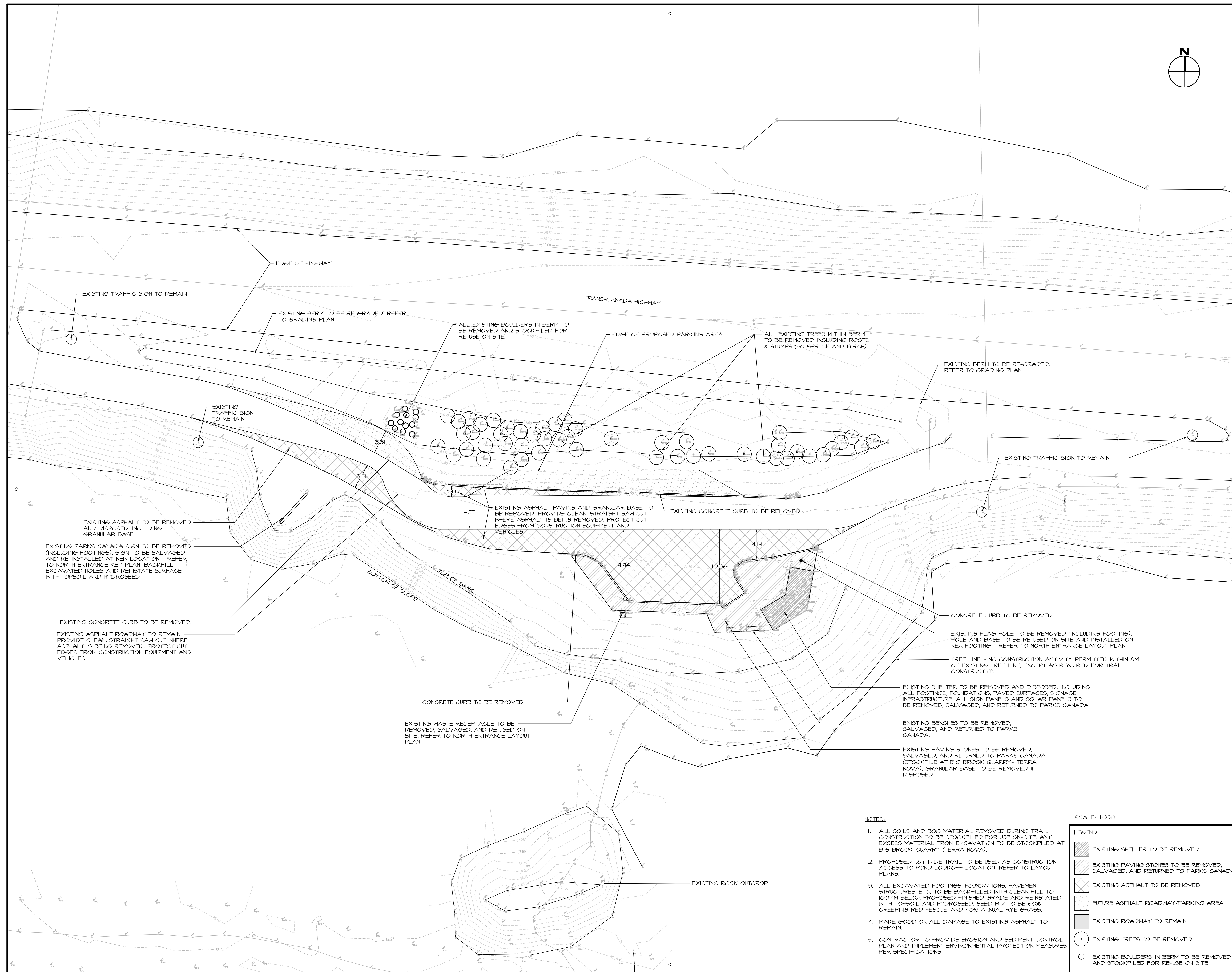
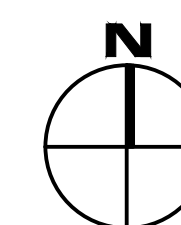
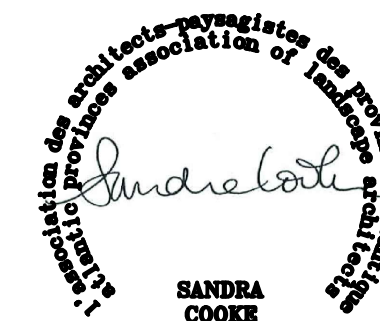
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing
NORTH ENTRANCE — KEY PLAN

designed CC/JB/BR/SC/KP/DS
 date MAY 2016
 drawn SC/KP/DS/SM
 date SEPTEMBER 2016
 approved SC
 date OCTOBER 2016
 Tender [Signature]
 Soumission

PWGSC Project Manager Administrateur de projets TPSGC
 project number **604**
 drawing no. **L100**





NOTES:

1. ALL SOILS AND BOG MATERIAL REMOVED DURING TRAIL CONSTRUCTION TO BE STOCKPILED FOR USE ON-SITE. ANY EXCESS MATERIAL FROM EXCAVATION TO BE STOCKPILED AT BIG BROOK QUARRY (TERRA NOVA).
2. PROPOSED 1.2m WIDE TRAIL TO BE USED AS CONSTRUCTION ACCESS TO POND LOOKOFF LOCATION. REFER TO LAYOUT PLANS.
3. ALL EXCAVATED FOOTINGS, FOUNDATIONS, PAVEMENT STRUCTURES, ETC. TO BE BACKFILLED WITH CLEAN FILL TO 100MM BELOW PROPOSED FINISHED GRADE AND REINSTATED WITH TOPSOIL AND HYDROSEED. SEED MIX TO BE 60% CREEPING RED FESCUE, AND 40% ANNUAL RYE GRASS.
4. MAKE GOOD ON ALL DAMAGE TO EXISTING ASPHALT TO REMAIN.
5. CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROL PLAN AND IMPLEMENT ENVIRONMENTAL PROTECTION MEASURES PER SPECIFICATIONS.

SCALE: 1:250

LEGEND

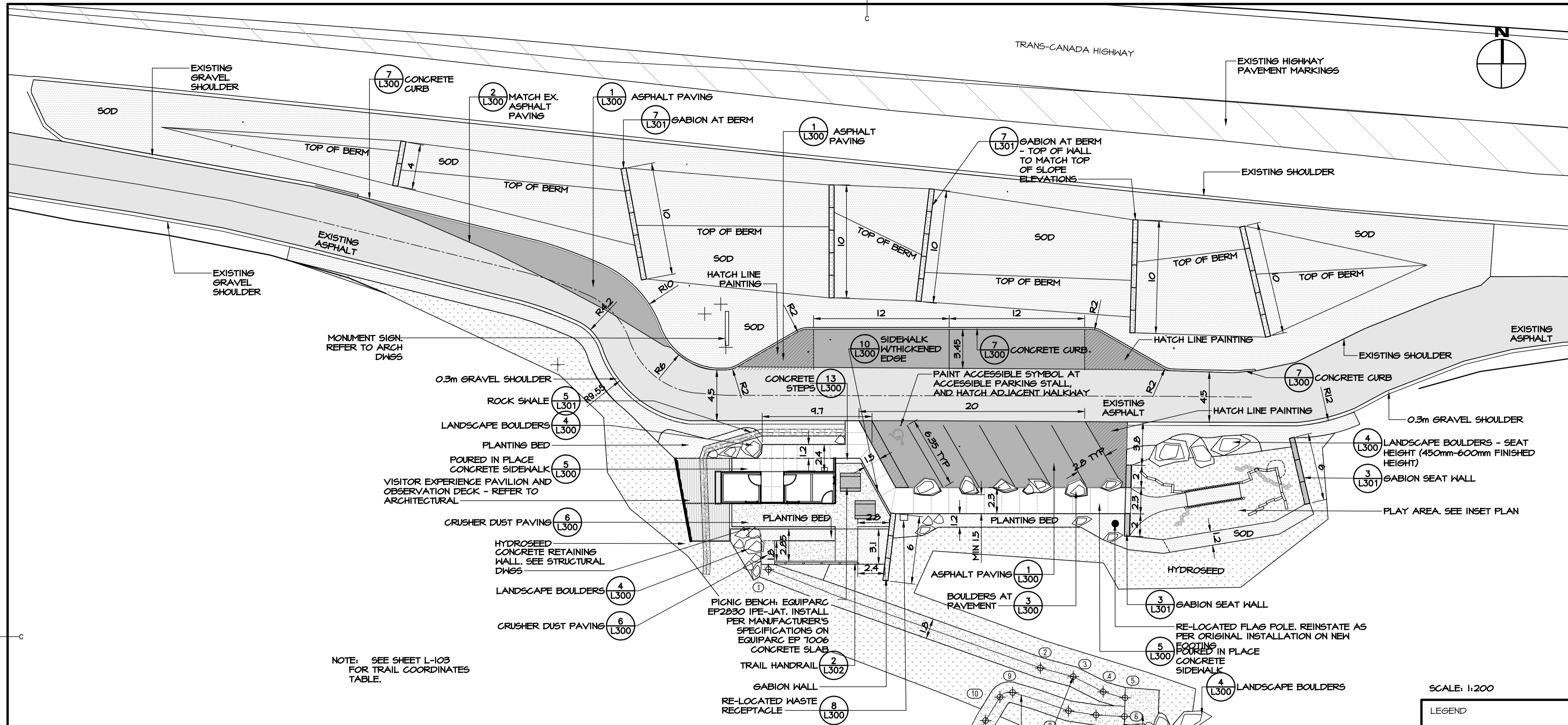
- EXISTING SHELTER TO BE REMOVED
- EXISTING PAVING STONES TO BE REMOVED, SALVAGED, AND RETURNED TO PARKS CANADA
- EXISTING ASPHALT TO BE REMOVED
- FUTURE ASPHALT ROADWAY/PARKING AREA
- EXISTING ROADWAY TO REMAIN
- EXISTING TREES TO BE REMOVED
- EXISTING BOULDERS IN BERM TO BE REMOVED AND STOCKPILED FOR RE-USE ON SITE

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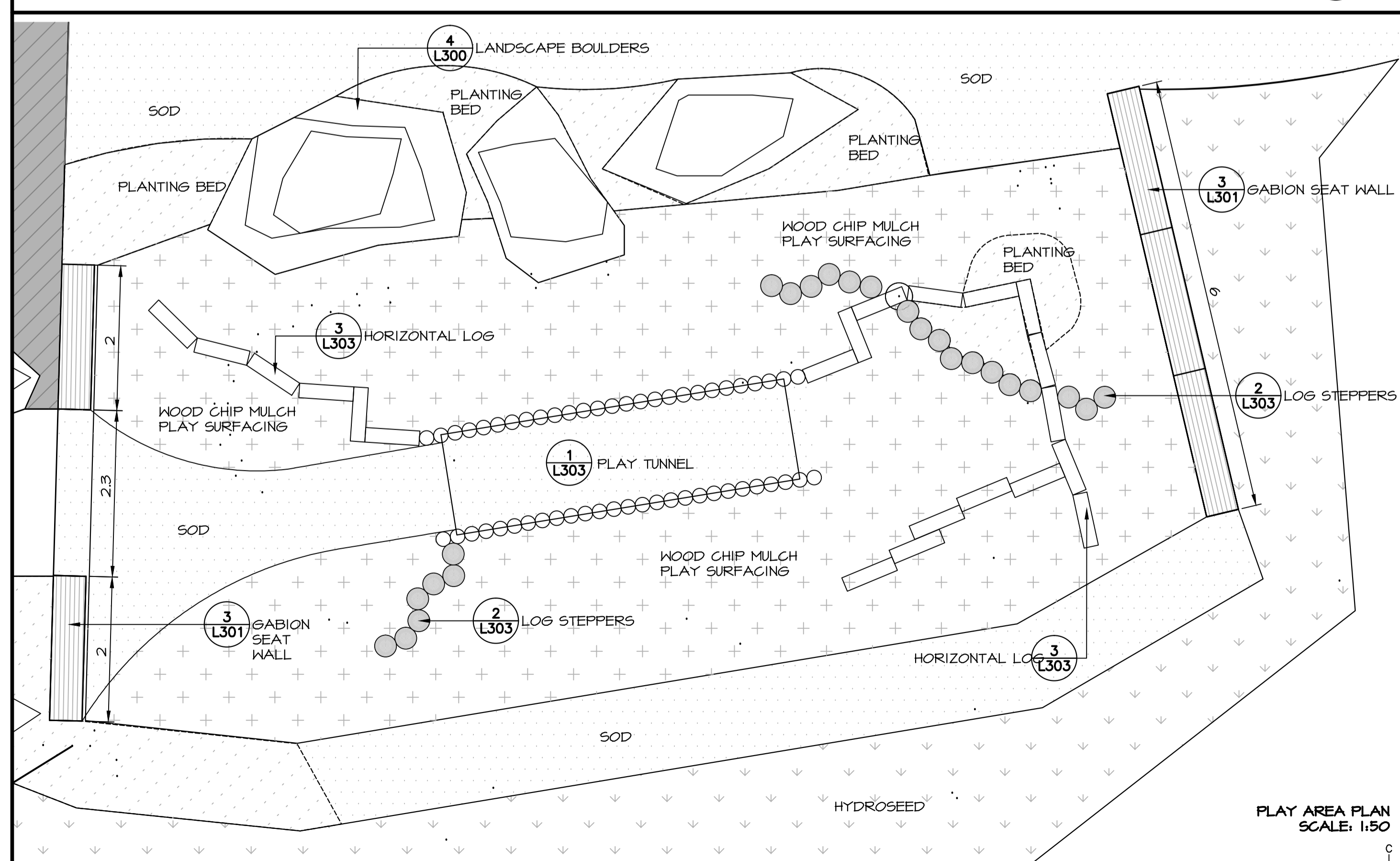
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT
 project

drawing
NORTH ENTRANCE – EXISTING CONDITIONS & REMOVALS PLAN
 dessin

designed	CC/JB/BR/SC/KP/DS	conçu
date	MAY 2016	
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date	SEPTEMBER 2016	
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Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSOC	
project number	604	no. du projet
drawing no.	L101	no. du dessin



NOTE: SEE SHEET L-103 FOR TRAIL COORDINATES TABLE.



PLAY AREA PLAN SCALE: 1:50

SCALE: 1:200

LEGEND

- SOD
- HYDROSEED
- MULCH
- PLANTING BED
- BOULDER
- GABION
- GABION SEAT WALL
- PICNIC BENCH
- NEW ASPHALT PAVING
- PAVEMENT HATCH (PAINTED)
- CRUSHER DUST PAVING
- CONCRETE SIDEWALK
- EXPANSION JOINT
- CONTROL JOINT
- TRAIL CENTRE LINE
- HANDRAIL
- TRAIL WITH 5-8% SLOPE
- STACKED ROCK RETAINING WALL

NOTES:

1. PROPOSED 1.8m WIDE TRAIL TO BE USED AS CONSTRUCTION ACCESS TO POND LOOKOFF LOCATION. REFER TO NOTES ON NORTH TRAIL LAYOUT AND POND LOOKOFF LAYOUT AND GRADING PLAN.
2. PLAYGROUND LAYOUT TO BE STAKED ON SITE PRIOR TO INSTALLATION FOR APPROVAL BY CLIENT REPRESENTATIVE.
3. SEE SHEET L-103 FOR TRAIL COORDINATES TABLE.

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TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

NORTH ENTRANCE - LAYOUT PLAN

designed	CC/JB/BR/SC/KP/DS	conçu
date	MAY 2016	
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Tender		Submission
		OCT 2016
PWGC Project Manager	Administrateur de projets TPSCG	
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	604	
drawing no.		no. du dessin
	L102	

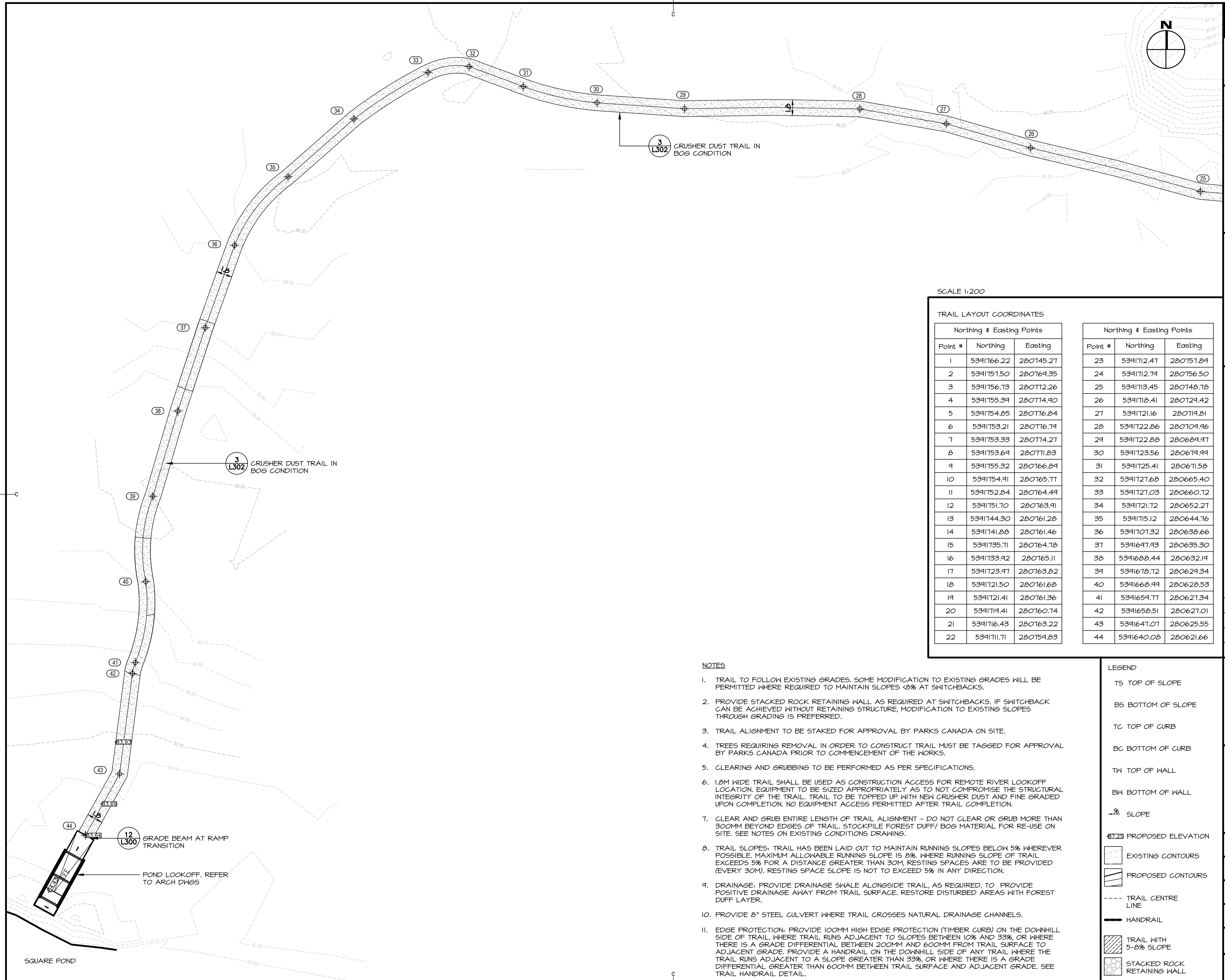


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TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

NORTH TRAIL AND POND LOOKOFF - LAYOUT & GRADING PLAN

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 date MAY 2016
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 PWGSC Project Manager Administrateur de projets TPSC
 project number **604**
 drawing no. **L103**



SCALE 1:200

TRAIL LAYOUT COORDINATES

Northing & Easting Points			Northing & Easting Points		
Point #	Northing	Easting	Point #	Northing	Easting
1	5391766.22	280745.27	23	5391712.47	280757.89
2	5391757.50	280769.35	24	5391712.79	280756.50
3	5391756.73	280772.26	25	5391713.45	280748.78
4	5391755.39	280774.90	26	5391718.41	280729.42
5	5391754.85	280776.84	27	5391721.16	280719.81
6	5391753.21	280776.79	28	5391722.86	280709.96
7	5391753.33	280774.27	29	5391722.88	280689.97
8	5391753.69	280771.83	30	5391723.56	280679.99
9	5391755.32	280766.89	31	5391725.41	280671.58
10	5391754.91	280765.77	32	5391727.68	280665.40
11	5391752.84	280764.49	33	5391727.03	280660.72
12	5391751.70	280763.91	34	5391721.72	280652.27
13	5391744.30	280761.28	35	5391715.12	280644.76
14	5391741.88	280761.46	36	5391707.32	280638.66
15	5391735.71	280764.78	37	5391697.93	280635.30
16	5391733.92	280765.11	38	5391688.44	280632.19
17	5391723.97	280763.82	39	5391678.72	280629.34
18	5391721.50	280761.68	40	5391668.99	280628.53
19	5391721.41	280761.36	41	5391659.77	280627.34
20	5391719.41	280760.74	42	5391658.51	280627.01
21	5391716.43	280763.22	43	5391647.07	280625.55
22	5391711.71	280754.83	44	5391640.08	280621.66

NOTES

- TRAIL TO FOLLOW EXISTING GRADES. SOME MODIFICATION TO EXISTING GRADES WILL BE PERMITTED WHERE REQUIRED TO MAINTAIN SLOPES <8% AT SWITCHBACKS.
- PROVIDE STACKED ROCK RETAINING WALL AS REQUIRED AT SWITCHBACKS. IF SWITCHBACK CAN BE ACHIEVED WITHOUT RETAINING STRUCTURE, MODIFICATION TO EXISTING SLOPES THROUGH GRADING IS PREFERRED.
- TRAIL ALIGNMENT TO BE STAKED FOR APPROVAL BY PARKS CANADA ON SITE.
- TREES REQUIRING REMOVAL IN ORDER TO CONSTRUCT TRAIL MUST BE TAGGED FOR APPROVAL BY PARKS CANADA PRIOR TO COMMENCEMENT OF THE WORKS.
- CLEARING AND GRUBBING TO BE PERFORMED AS PER SPECIFICATIONS.
- 1.8M WIDE TRAIL SHALL BE USED AS CONSTRUCTION ACCESS FOR REMOTE RIVER LOOKOFF LOCATION. EQUIPMENT TO BE SIZED APPROPRIATELY AS TO NOT COMPROMISE THE STRUCTURAL INTEGRITY OF THE TRAIL. TRAIL TO BE TOPPED UP WITH NEW CRUSHER DUST AND FINE GRADED UPON COMPLETION. NO EQUIPMENT ACCESS PERMITTED AFTER TRAIL COMPLETION.
- CLEAR AND GRUB ENTIRE LENGTH OF TRAIL ALIGNMENT - DO NOT CLEAR OR GRUB MORE THAN 300MM BEYOND EDGES OF TRAIL. STOCKPILE FOREST DUFF/ BOG MATERIAL FOR RE-USE ON SITE. SEE NOTES ON EXISTING CONDITIONS DRAWING.
- TRAIL SLOPES: TRAIL HAS BEEN LAID OUT TO MAINTAIN RUNNING SLOPES BELOW 5% WHEREVER POSSIBLE. MAXIMUM ALLOWABLE RUNNING SLOPE IS 8%. WHERE RUNNING SLOPE OF TRAIL EXCEEDS 5% FOR A DISTANCE GREATER THAN 30M, RESTING SPACES ARE TO BE PROVIDED (EVERY 30M). RESTING SPACE SLOPE IS NOT TO EXCEED 5% IN ANY DIRECTION.
- DRAINAGE: PROVIDE DRAINAGE SWALE ALONGSIDE TRAIL, AS REQUIRED, TO PROVIDE POSITIVE DRAINAGE AWAY FROM TRAIL SURFACE. RESTORE DISTURBED AREAS WITH FOREST DUFF LAYER.
- PROVIDE 8" STEEL CULVERT WHERE TRAIL CROSSES NATURAL DRAINAGE CHANNELS.
- EDGE PROTECTION: PROVIDE 100MM HIGH EDGE PROTECTION (TIMBER CURB) ON THE DOWNHILL SIDE OF TRAIL, WHERE TRAIL RUNS ADJACENT TO SLOPES BETWEEN 10% AND 33% OR WHERE THERE IS A GRADE DIFFERENTIAL BETWEEN 200MM AND 600MM FROM TRAIL SURFACE TO ADJACENT GRADE. PROVIDE A HANDRAIL ON THE DOWNHILL SIDE OF ANY TRAIL WHERE THE TRAIL RUNS ADJACENT TO A SLOPE GREATER THAN 33%, OR WHERE THERE IS A GRADE DIFFERENTIAL GREATER THAN 600MM BETWEEN TRAIL SURFACE AND ADJACENT GRADE. SEE TRAIL HANDRAIL DETAIL.

LEGEND

- TS TOP OF SLOPE
- BS BOTTOM OF SLOPE
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- 8% SLOPE
- 87.29 PROPOSED ELEVATION
- EXISTING CONTOURS
- PROPOSED CONTOURS
- TRAIL CENTRE LINE
- HANDRAIL
- TRAIL WITH 5-8% SLOPE
- STACKED ROCK RETAINING WALL

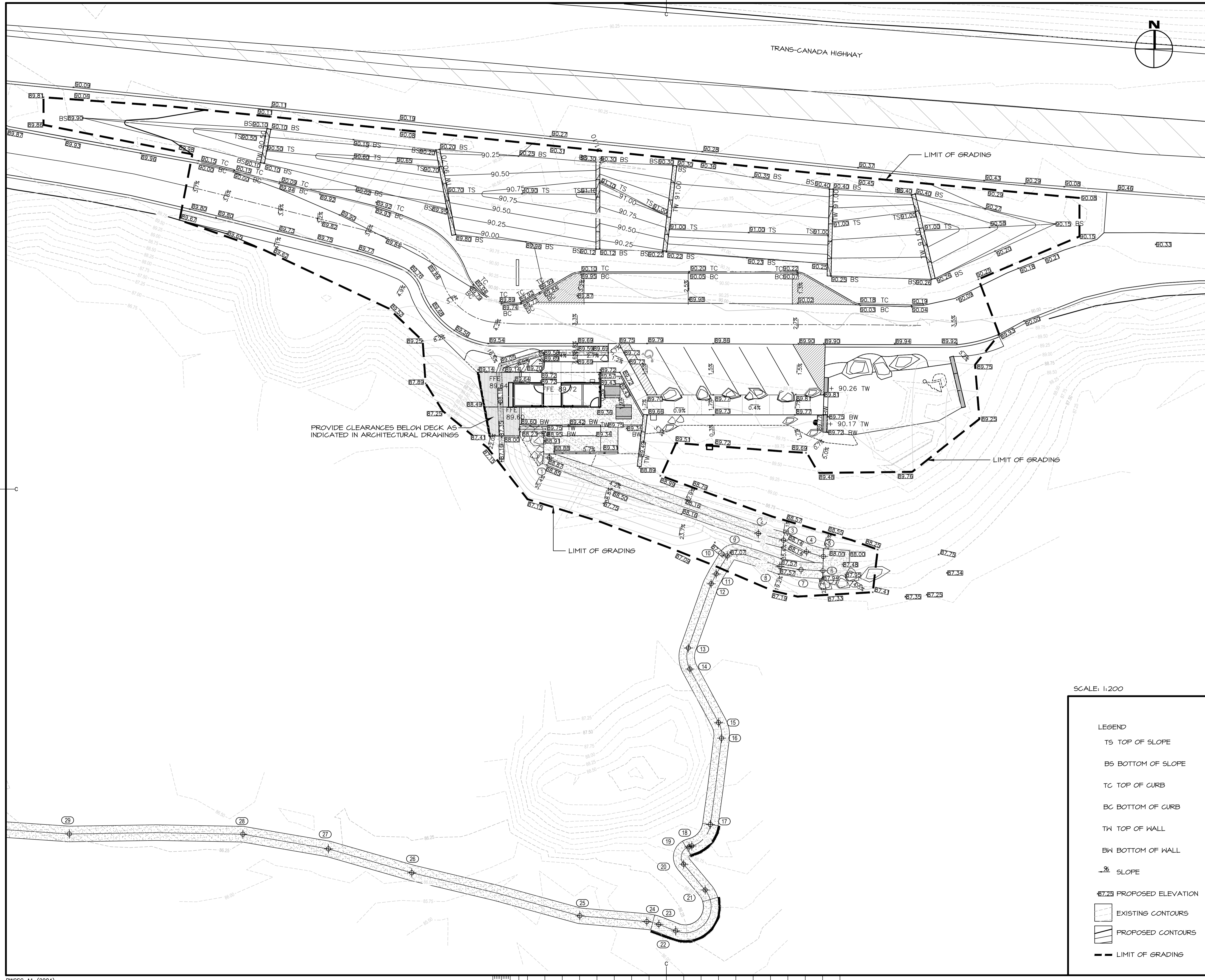


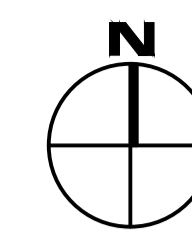
revisions	date
3	ISSUED FOR TENDER
2	PRE-TENDER REVIEW
1	ISSUED FOR 66% REVIEW

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

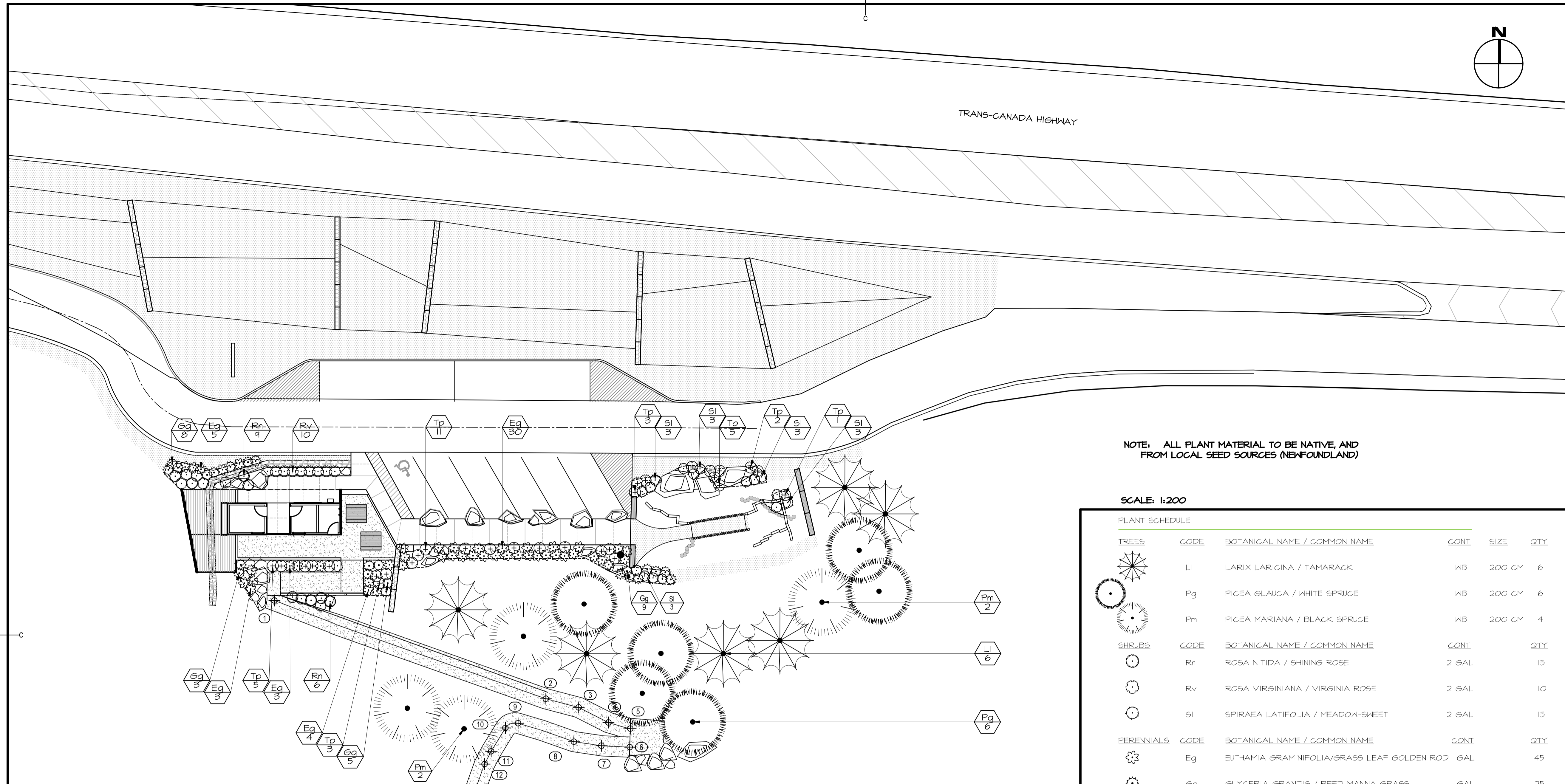
NORTH ENTRANCE — GRADING PLAN

designed	CC/JB/BR/SC/KP/DS	conçu
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drawn	SC/KP/DS/SM	dessiné
date	SEPTEMBER 2016	
approved	SC	approuvé
date	OCTOBER 2016	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSCG	
project number	604	no. du projet
drawing no.	L104	no. du dessin





TRANS-CANADA HIGHWAY



NOTE: ALL PLANT MATERIAL TO BE NATIVE, AND FROM LOCAL SEED SOURCES (NEWFOUNDLAND)

SCALE: 1:200

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT.	SIZE	QTY.
	LI	LARIX LARICINA / TAMARACK	WB	200 CM	6
	Fg	PICEA GLAUCA / WHITE SPRUCE	WB	200 CM	6
	Pm	PICEA MARIANA / BLACK SPRUCE	WB	200 CM	4
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONT.	QTY.	
	Rn	ROSA NITIDA / SHINING ROSE	2 GAL	15	
	Rv	ROSA VIRGINIANA / VIRGINIA ROSE	2 GAL	10	
	SI	SPIRAEA LATIFOLIA / MEADOW-SWEET	2 GAL	15	
PERENNIALS	CODE	BOTANICAL NAME / COMMON NAME	CONT.	QTY.	
	Eg	EUTHAMIA GRAMINIFOLIA/GRASS LEAF GOLDEN ROD	1 GAL	45	
	Gg	GLYGERIA GRANDIS / REED MANNA GRASS	1 GAL	25	
	Tp	THALICTRUM PUBESCENS / KING OF THE MEADOW	1 GAL	30	

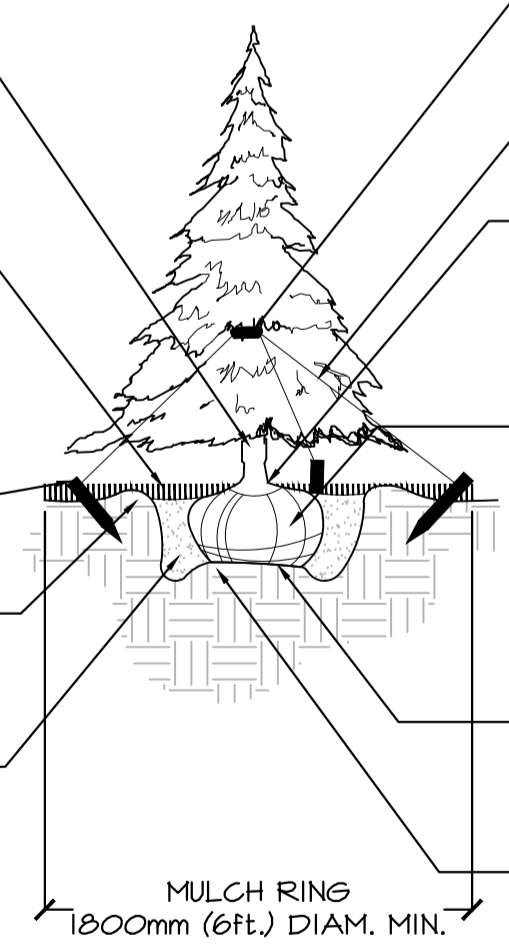
MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE

SHREDDED BARK MULCH AS SPECIFIED TO 75mm DEPTH. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. MAINTAIN THE MULCH WEED-FREE FOR A MIN. OF THREE YEARS AFTER PLANTING.

(3) 38mm x 38mm x 600mm LONG WOODEN STAKES, SPACED AT 120 INTERVALS

100MM (4in.) HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL TO RETAIN MOISTURE.

SPECIFIED PLANTING MEDIUM, TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT.

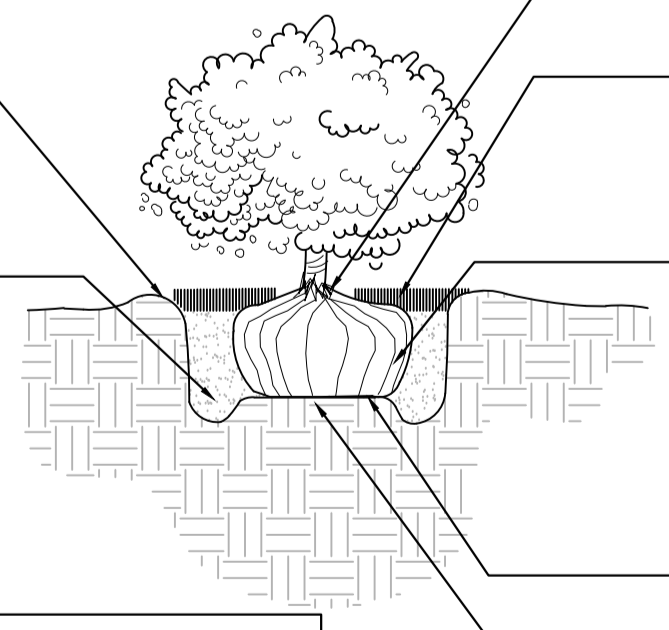


- NOTES:
- DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
 - STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
 - WATER AT TIME OF PLANTING AS NECESSARY TO MAINTAIN HEALTHY GROWING CONDITIONS.
 - SET TOP OF ROOT BALL FLUSH WITH GRADE OR 25-50mm (1-2in.) HIGHER IN SLOWLY DRAINING SOILS.

1 CONIFEROUS TREE PLANTING SCALE: 1:20

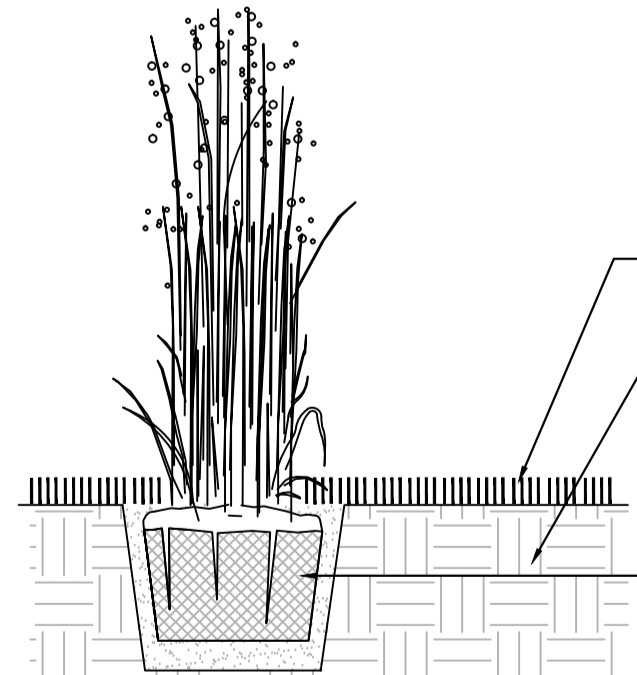
100MM (4in.) HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL TO RETAIN MOISTURE.

SPECIFIED PLANTING MEDIUM, TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT.



- NOTES:
- SET TOP OF ROOT BALL FLUSH WITH GRADE OR 25-50mm (1-2in.) HIGHER IN SLOWLY DRAINING SOILS.
 - WATER AT TIME OF PLANTING AS NECESSARY TO MAINTAIN HEALTHY GROWING CONDITION

2 SHRUB PLANTING DETAIL SCALE: 1:20



- NOTES:
- ALL PERENNIALS AND GRASSES TO BE PLANTED AT EQUAL TRIANGULAR SPACING UNLESS OTHERWISE INDICATED ON PLAN. REFER TO PLANTING PALETTE FOR PLANT SPACING.

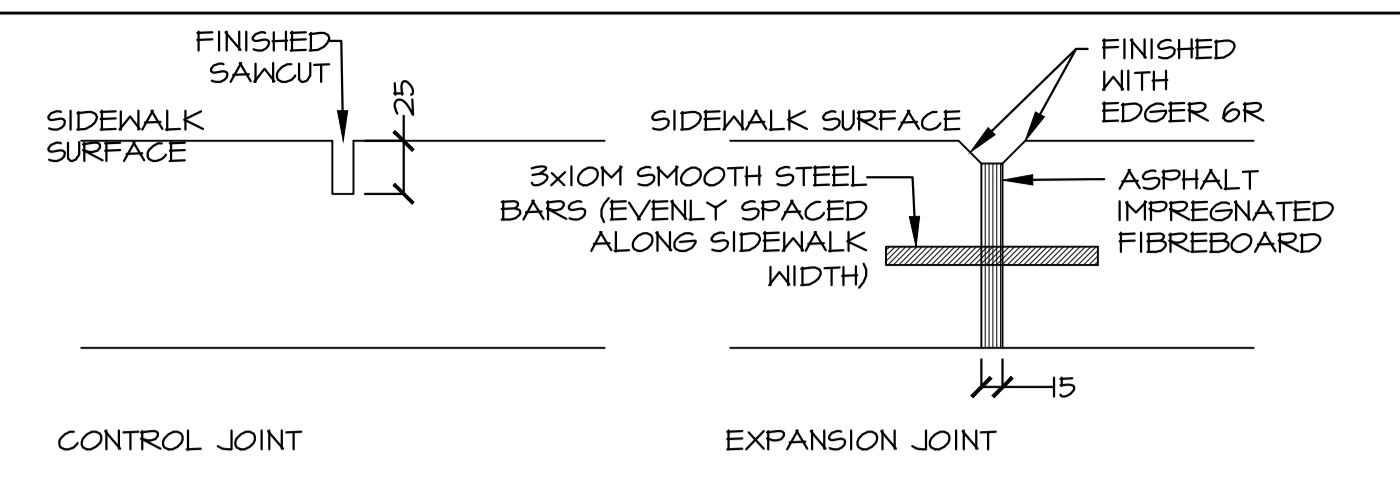
3 PERENNIAL PLANTING SCALE: 1:20

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3	ISSUED FOR TENDER DEC 23 2016
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project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT
drawing

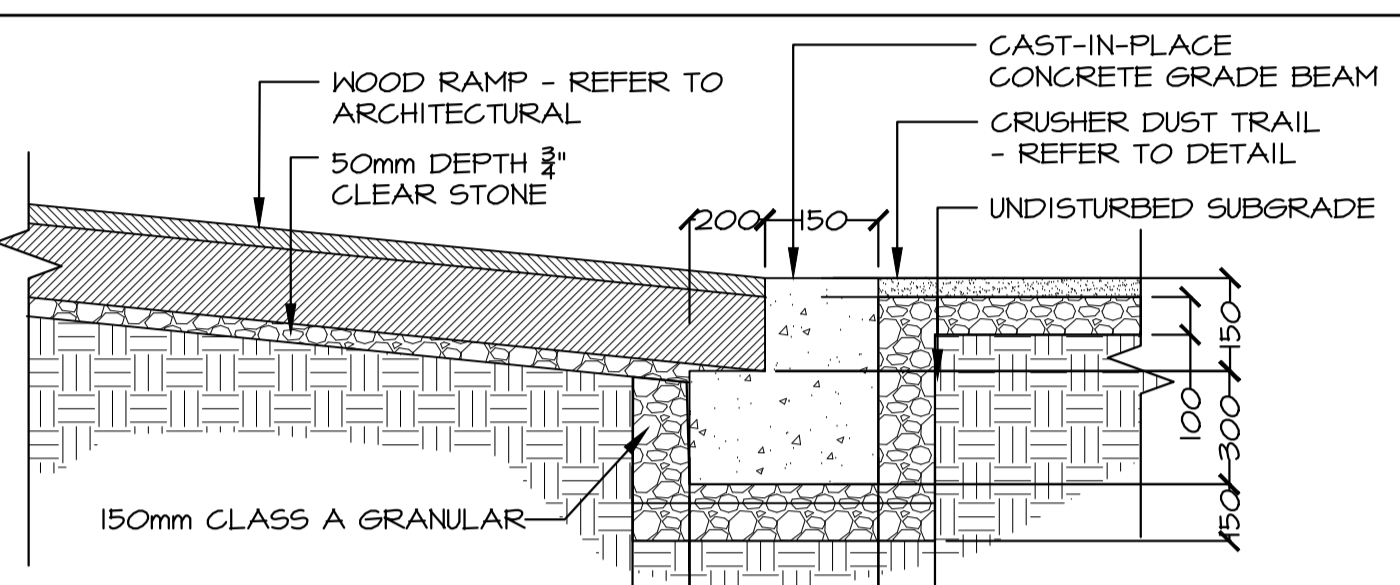
design
NORTH ENTRANCE - PLANTING PLAN
dessin

designed	CC/JB/BR/SC/KP/DS	conçu
date	May 2016	
drawn	KP/SM	dessiné
date	September 2016	
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Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSSC	
project number		no. du projet
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drawing no.		no. du dessin
	L105	

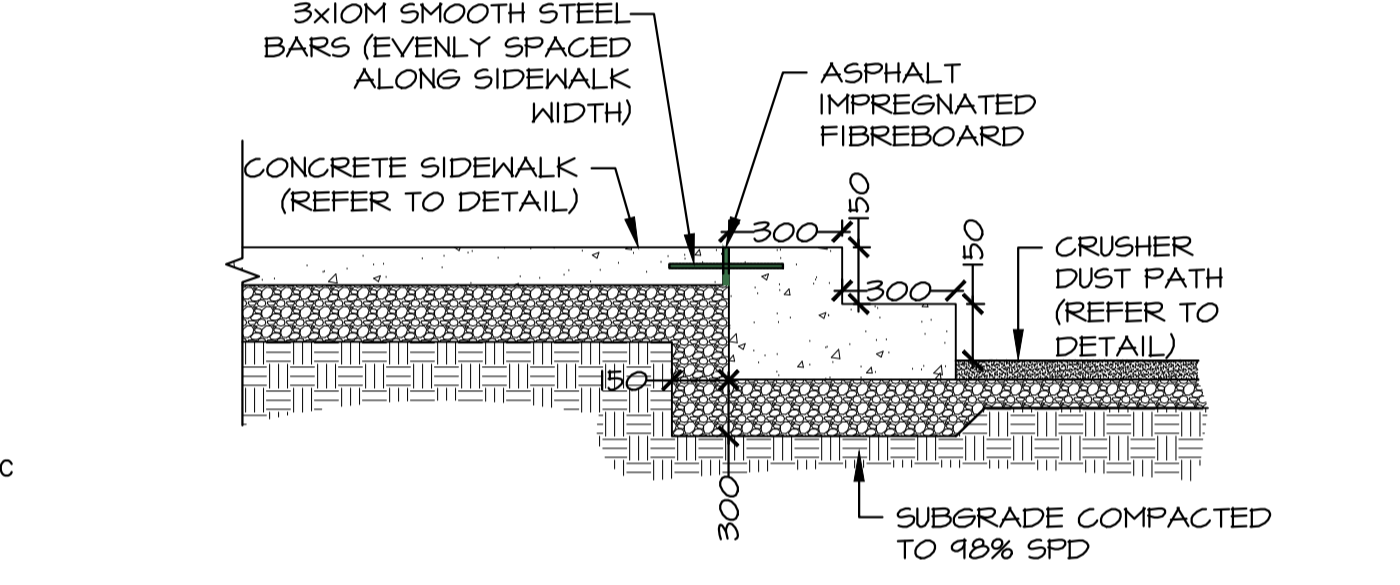


NOTES:
1. EXPANSION JOINTS TO BE SPACED EVERY 50m.
2. CONTROL JOINTS TO BE SPACED EVERY 1.5m.
3. GRAVEL BASE TO EXTEND 150mm BEYOND EDGE OF SIDEWALK CONCRETE.
4. CONTROL JOINTS TO BE SAW CUT.
5. EXPANSION JOINT BARS ARE TO BE GREASED ON ONE SIDE OF THE JOINT.
6. DURING CONSECUTIVE POURS, THE END OF EACH POUR IS TO OCCUR AT AN EXPANSION JOINT.

11 CONCRETE SIDEWALK JOINTS
SCALE: NTS

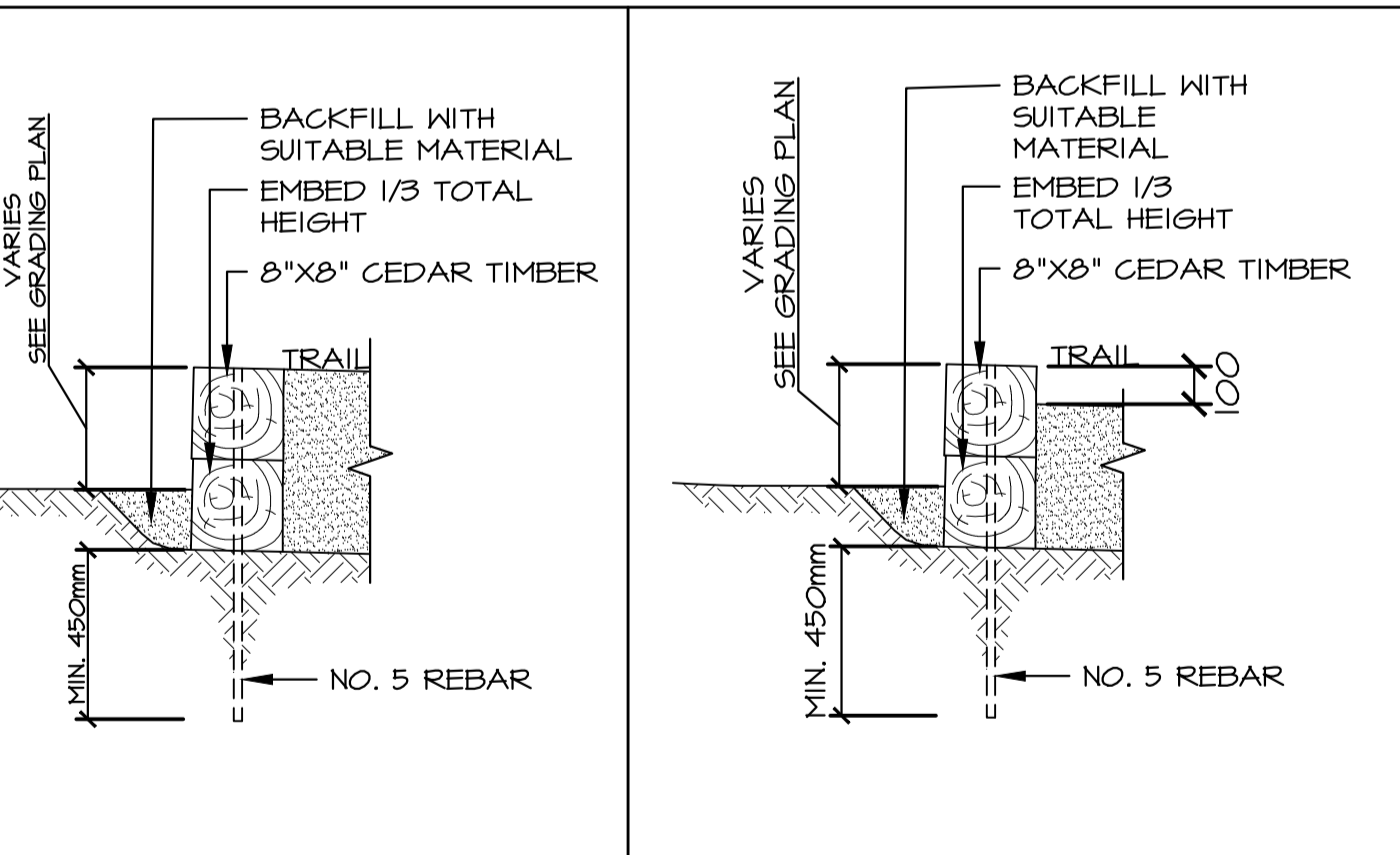


12 GRADE BEAM AT RAMP TRANSITION
SCALE: 1:20



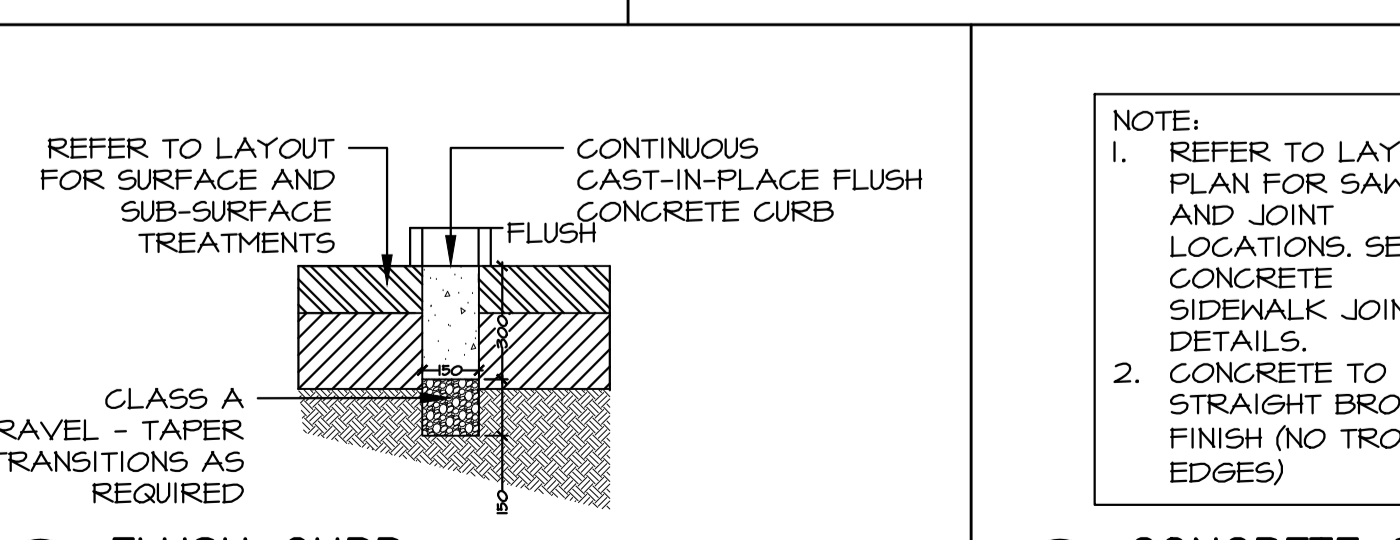
NOTE:
1. REFER TO LAYOUT PLAN FOR SAWCUT AND JOINT LOCATIONS. SEE CONCRETE SIDEWALK JOINTS DETAILS.
2. CONCRETE TO BE STRAIGHT BROOM FINISH (NO TROWEL EDGES)

13 CONCRETE STEPS
SCALE: 1:20

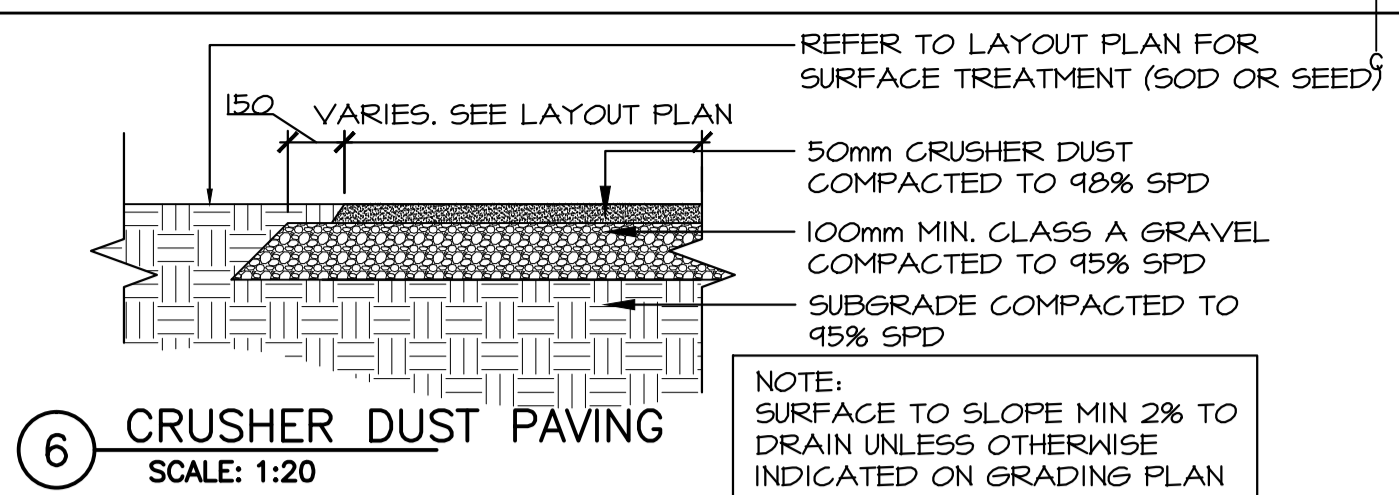


14 STACKED TIMBER RETAINER
SCALE: 1:20

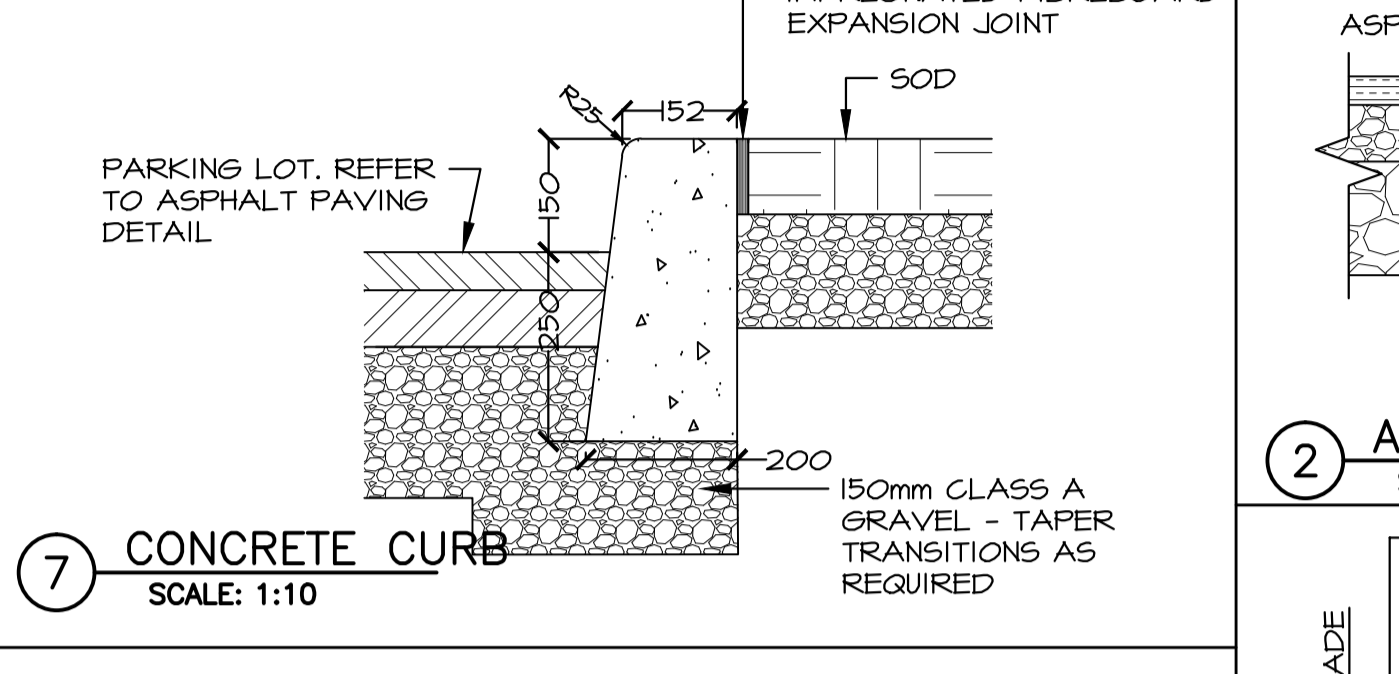
15 TIMBER EDGE GUARD
SCALE: 1:20



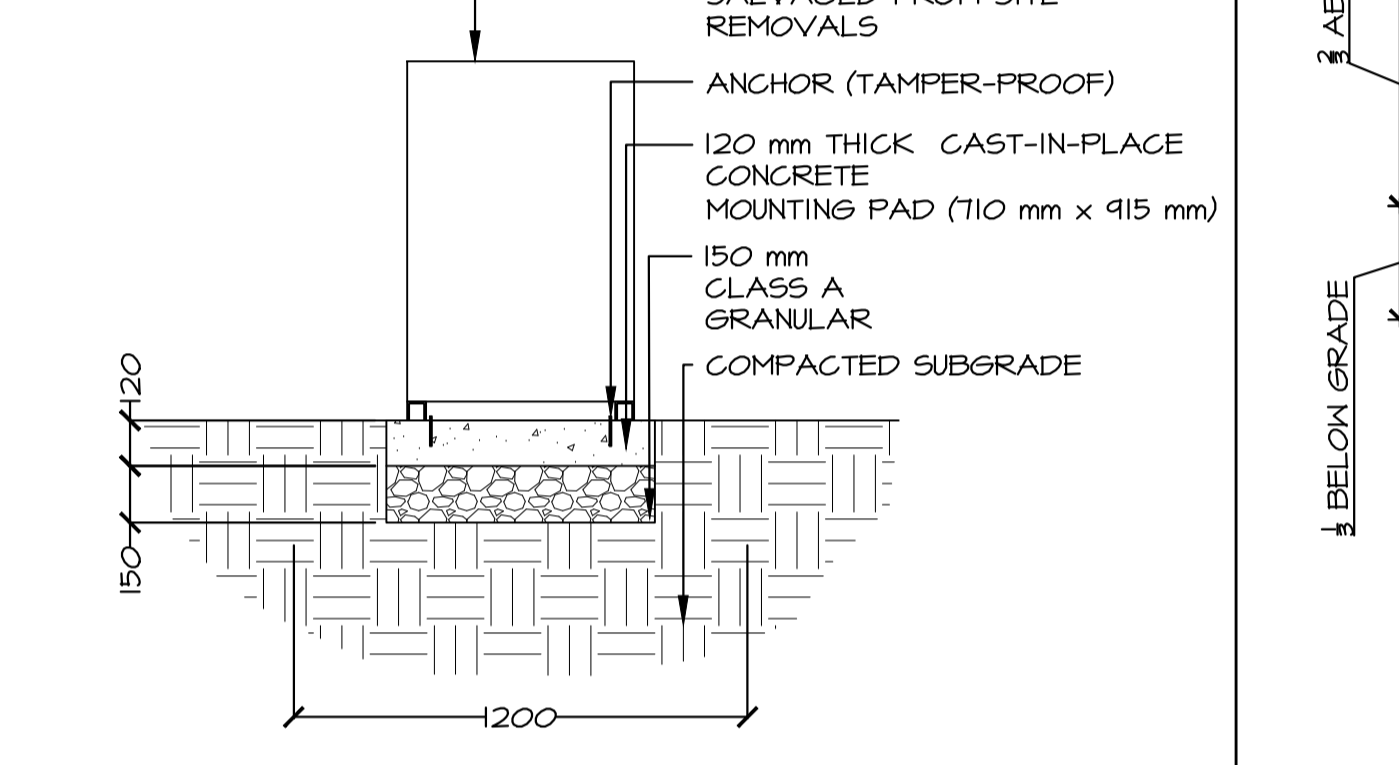
16 FLUSH CURB
SCALE: 1:20



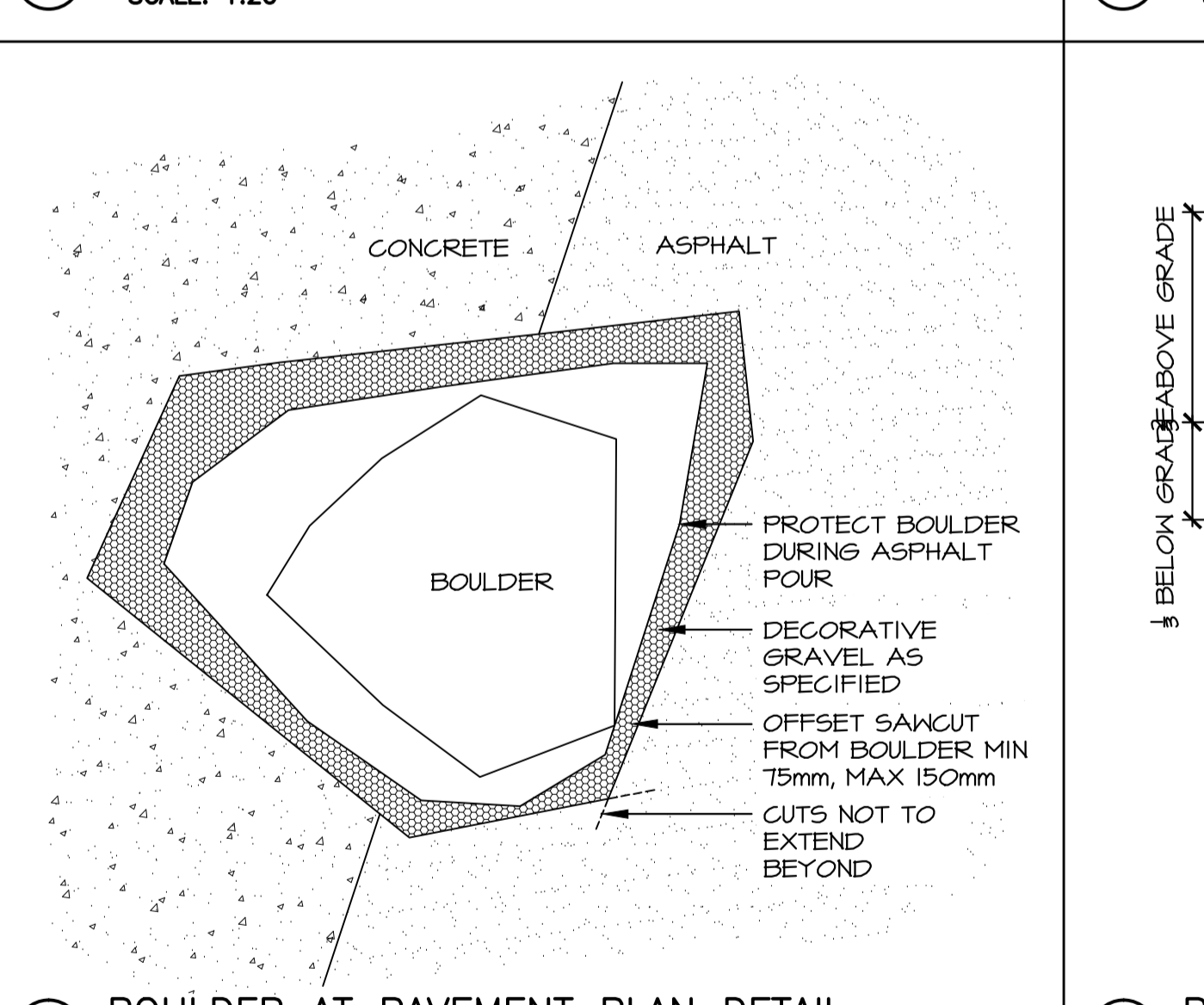
6 CRUSHER DUST PAVING
SCALE: 1:20



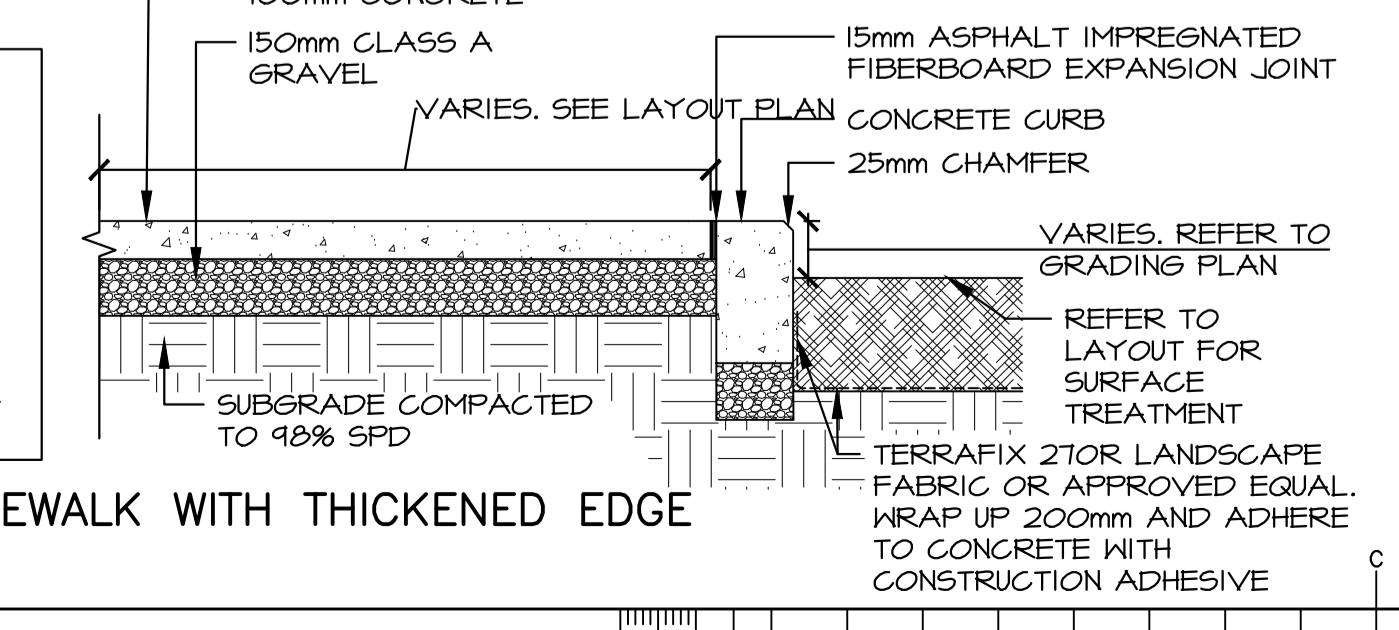
7 CONCRETE CURB
SCALE: 1:10



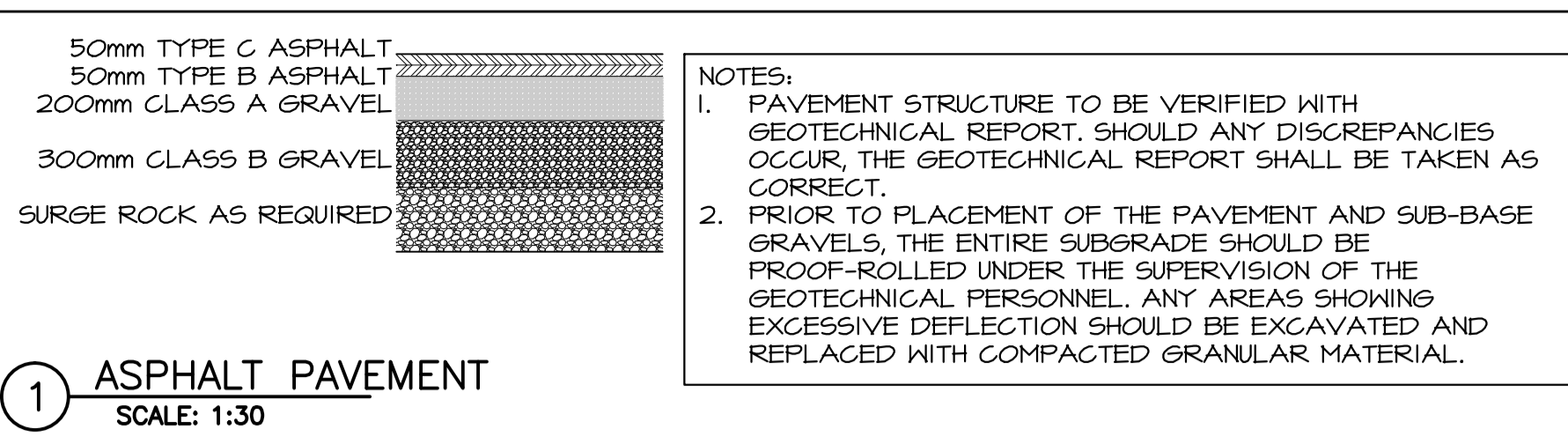
8 CONCRETE BASE FOR WASTE RECEPTACLE
SCALE: 1:20



9 BOULDER AT PAVEMENT PLAN DETAIL
SCALE: 1:20

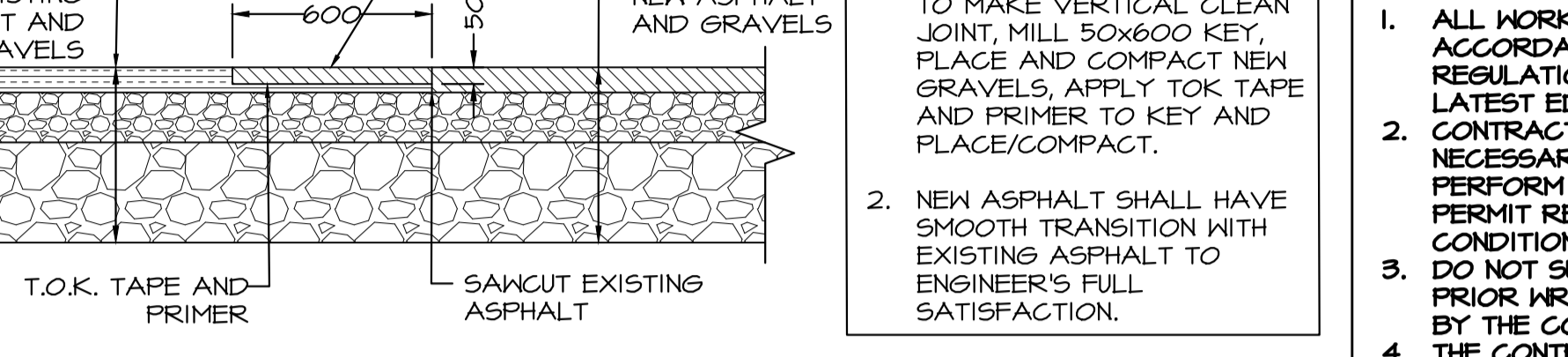


10 CONCRETE SIDEWALK WITH THICKENED EDGE
SCALE: 1:20



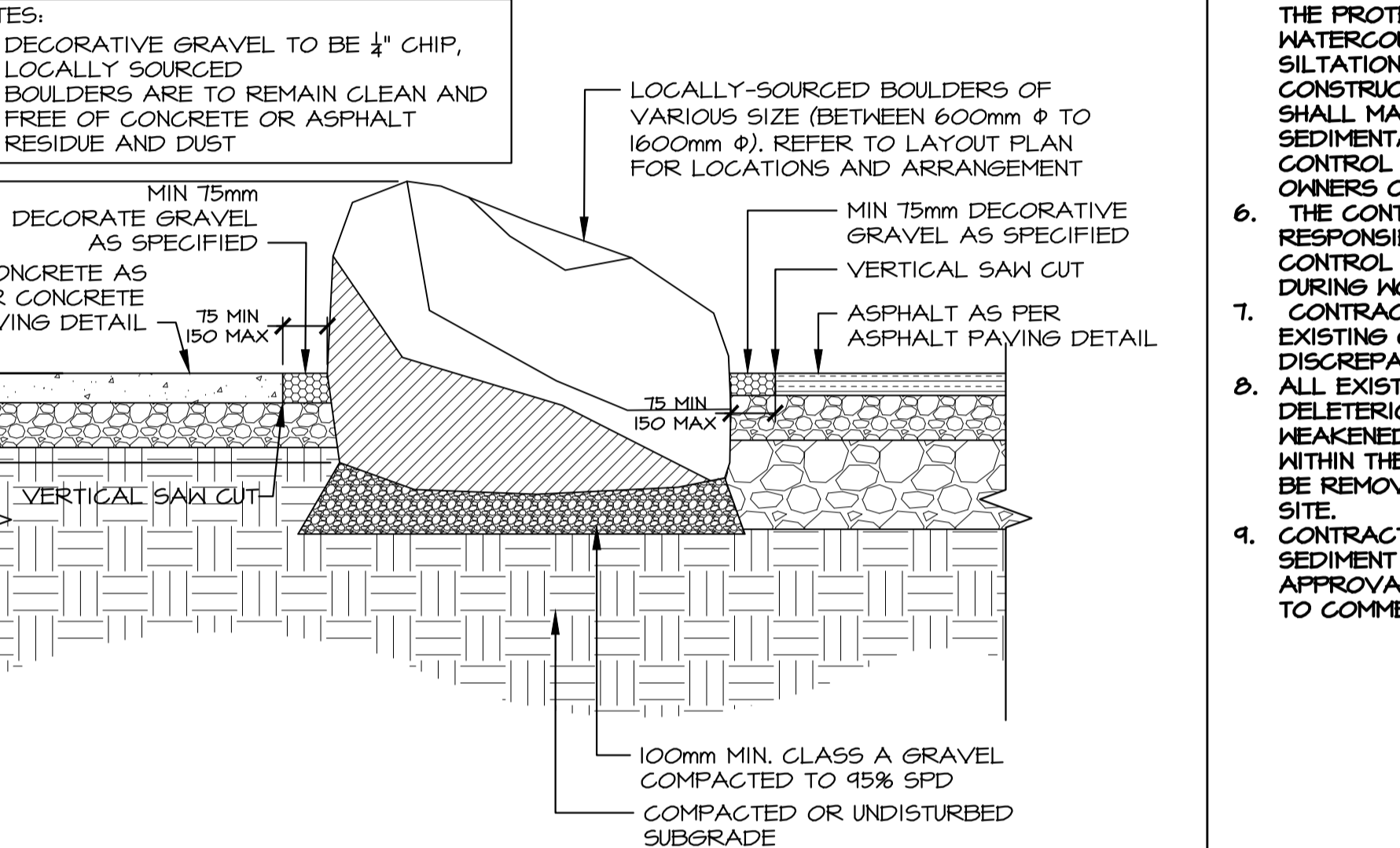
NOTES:
1. PAVEMENT STRUCTURE TO BE VERIFIED WITH GEOTECHNICAL REPORT. SHOULD ANY DISCREPANCIES OCCUR, THE GEOTECHNICAL REPORT SHALL BE TAKEN AS CORRECT.
2. PRIOR TO PLACEMENT OF THE PAVEMENT AND SUB-BASE GRAVELS, THE ENTIRE SUBGRADE SHOULD BE PROOF-ROLLED UNDER THE SUPERVISION OF THE GEOTECHNICAL PERSONNEL. ANY AREAS SHOWING EXCESSIVE DEFLECTION SHOULD BE EXCAVATED AND REPLACED WITH COMPACTED GRANULAR MATERIAL.

1 ASPHALT PAVEMENT
SCALE: 1:30

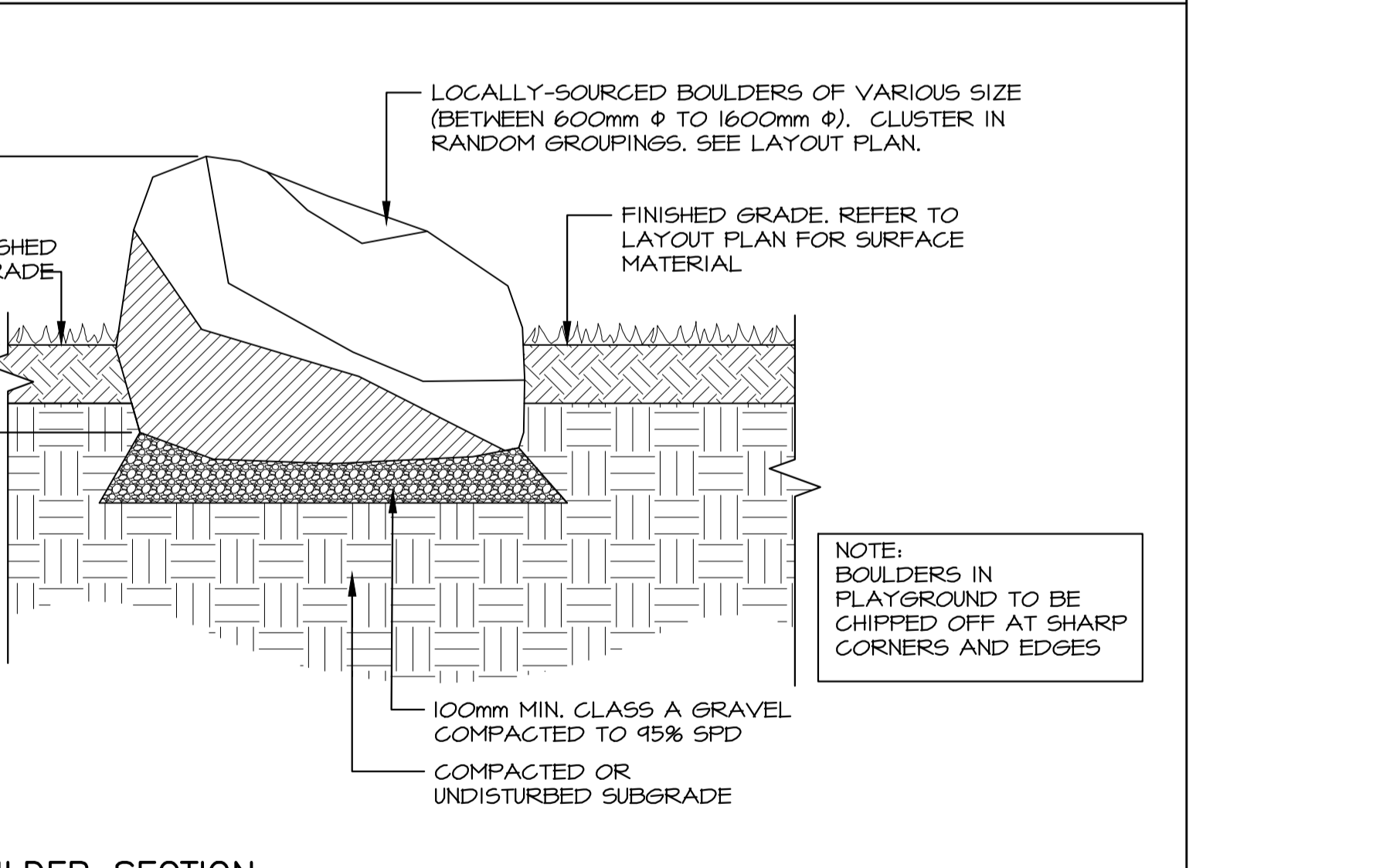


NOTE:
1. SAWCUT EXISTING ASPHALT TO MAKE VERTICAL CLEAN JOINT, MILL 50x600 KEY, PLACE AND COMPACT NEW GRAVELS, APPLY TOK TAPE AND PRIMER TO KEY AND PLACE/COMPACT.
2. NEW ASPHALT SHALL HAVE SMOOTH TRANSITION WITH EXISTING ASPHALT TO ENGINEER'S FULL SATISFACTION.

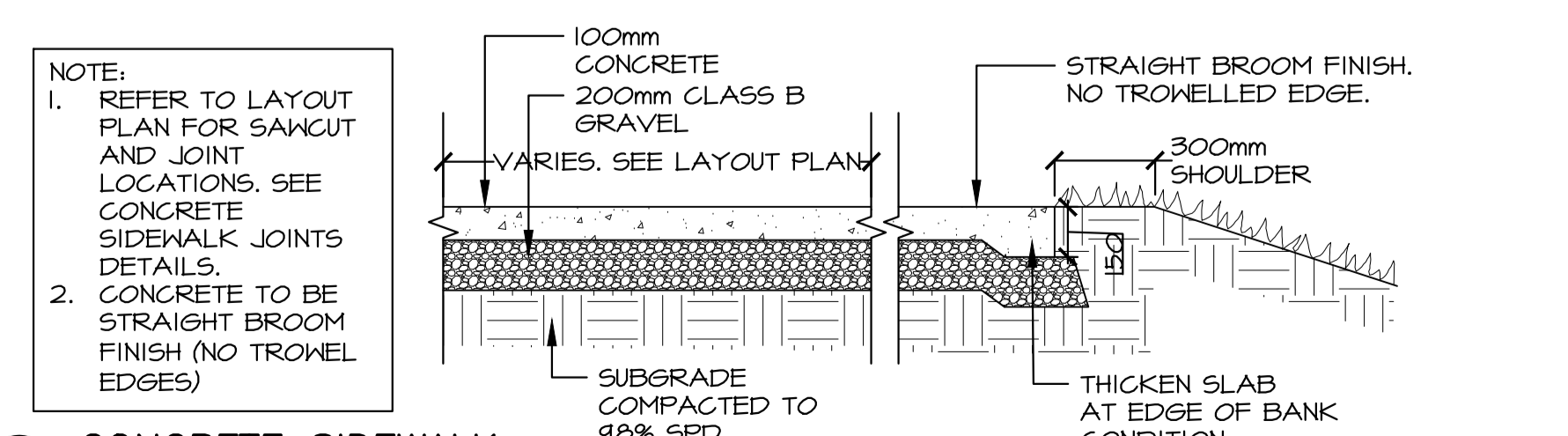
2 ASPHALT JOINT
SCALE: 1:20



3 BOULDER AT PAVEMENT SECTION
SCALE: 1:20



4 BOULDER SECTION
SCALE: 1:20



5 CONCRETE SIDEWALK
SCALE: 1:20

CONSTRUCTION NOTES:

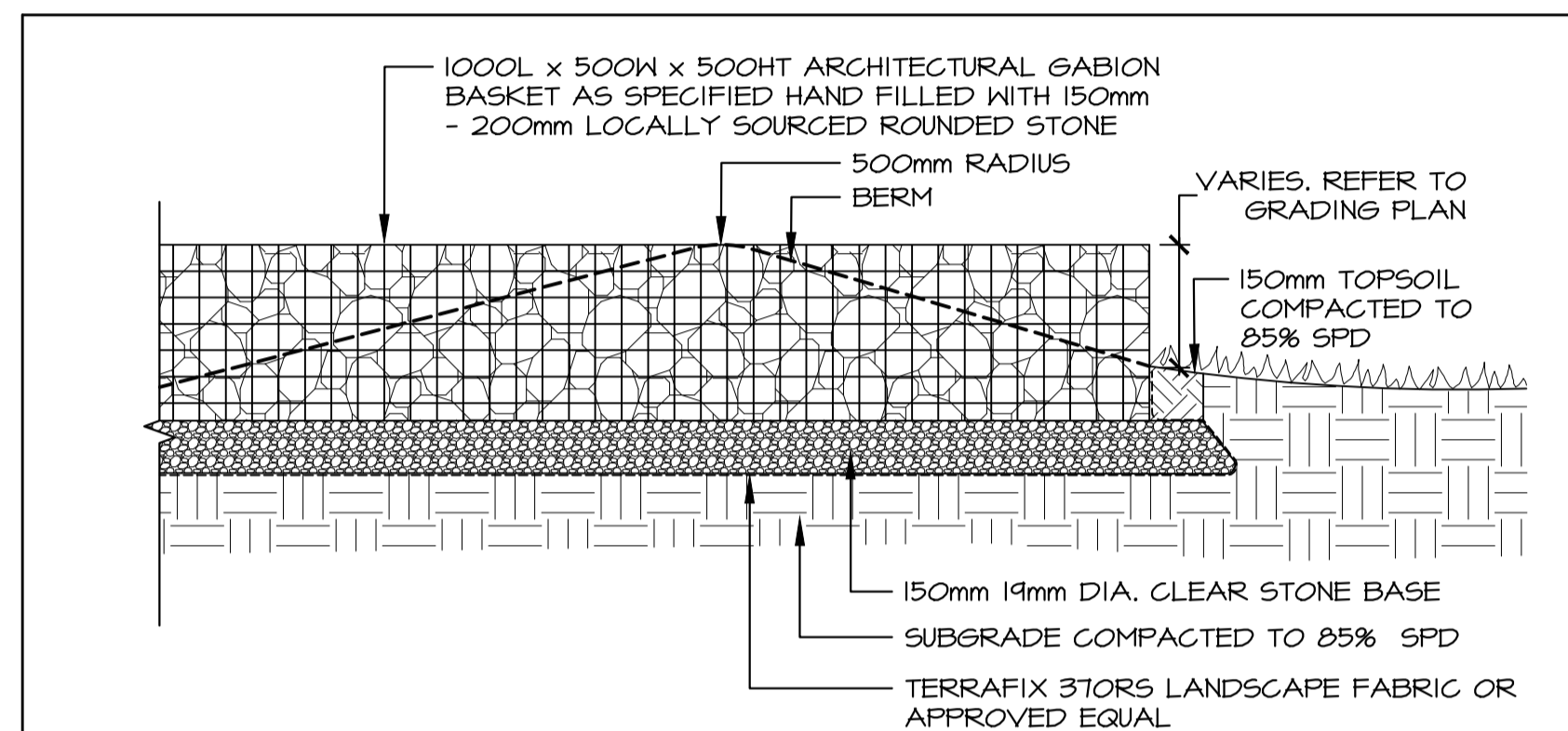
- ALL WORKS TO BE PERFORMED IN ACCORDANCE WITH PARKS CANADA REGULATIONS AND GUIDELINES, LATEST EDITIONS.
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM WORKS. COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
- DO NOT SUBSTITUTE MATERIALS UNLESS PRIOR WRITTEN APPROVAL IS GIVEN BY THE CONSULTANT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT ACTIVITIES. ALL ELEVATIONS ARE METRIC AND GEODETIC.
- CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF WETLANDS AND WATERCOURSES FROM DAMAGE DUE TO SILTATION RUNOFF FROM THE CONSTRUCTION SITE. THE CONTRACTOR SHALL MAKE NECESSARY REPAIRS TO SEDIMENTATION AND EROSION CONTROL DEVICES AS DIRECTED BY OWNERS ON SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING WORK.
- CONTRACTOR TO VERIFY ALL EXISTING GRADES AND REPORT ANY DISCREPANCIES TO THE CONSULTANT.
- ALL EXISTING SURFICIAL TOPSOIL, DELETERIOUS FILL MATERIALS AND WEAKENED AND/OR DISTURBED SOIL WITHIN THE LIMITS OF CONTRACT SHALL BE REMOVED AND DISPOSED OF OFF SITE.
- CONTRACTOR TO SUBMIT EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL BY PARKS CANADA PRIOR TO COMMENCING THE WORKS.

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2	PRE-TENDER REVIEW	SEPT 9 2016
1	ISSUED FOR 66% REVIEW	JULY 18 2016
revisions		date

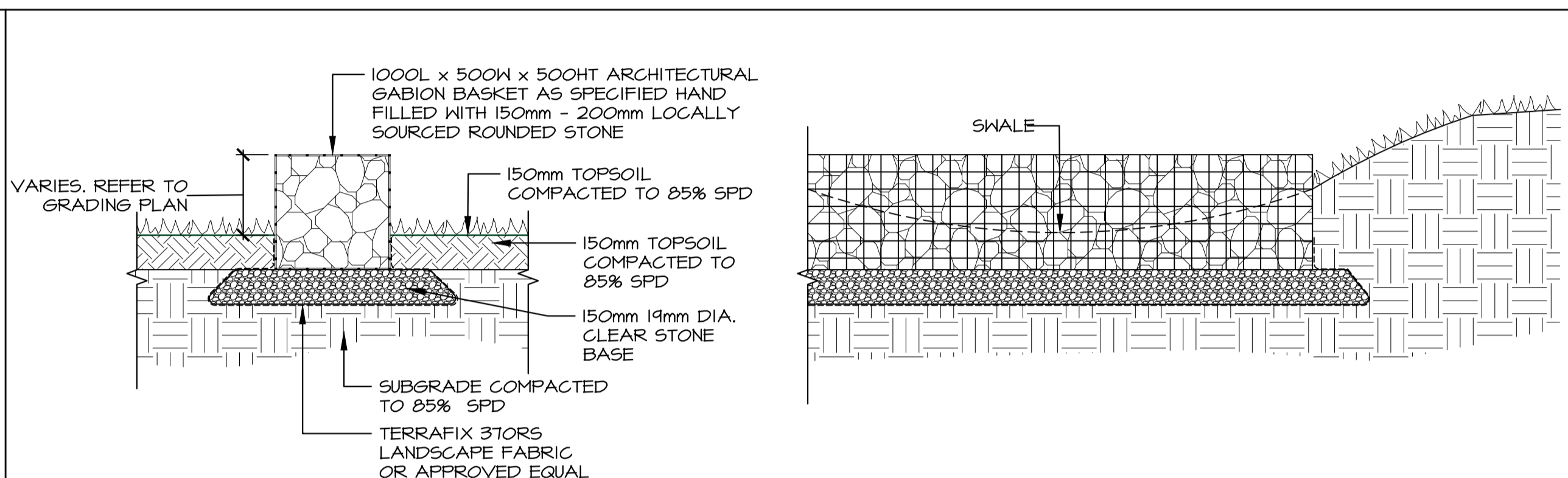
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT
drawing

SITE NOTES & DETAILS

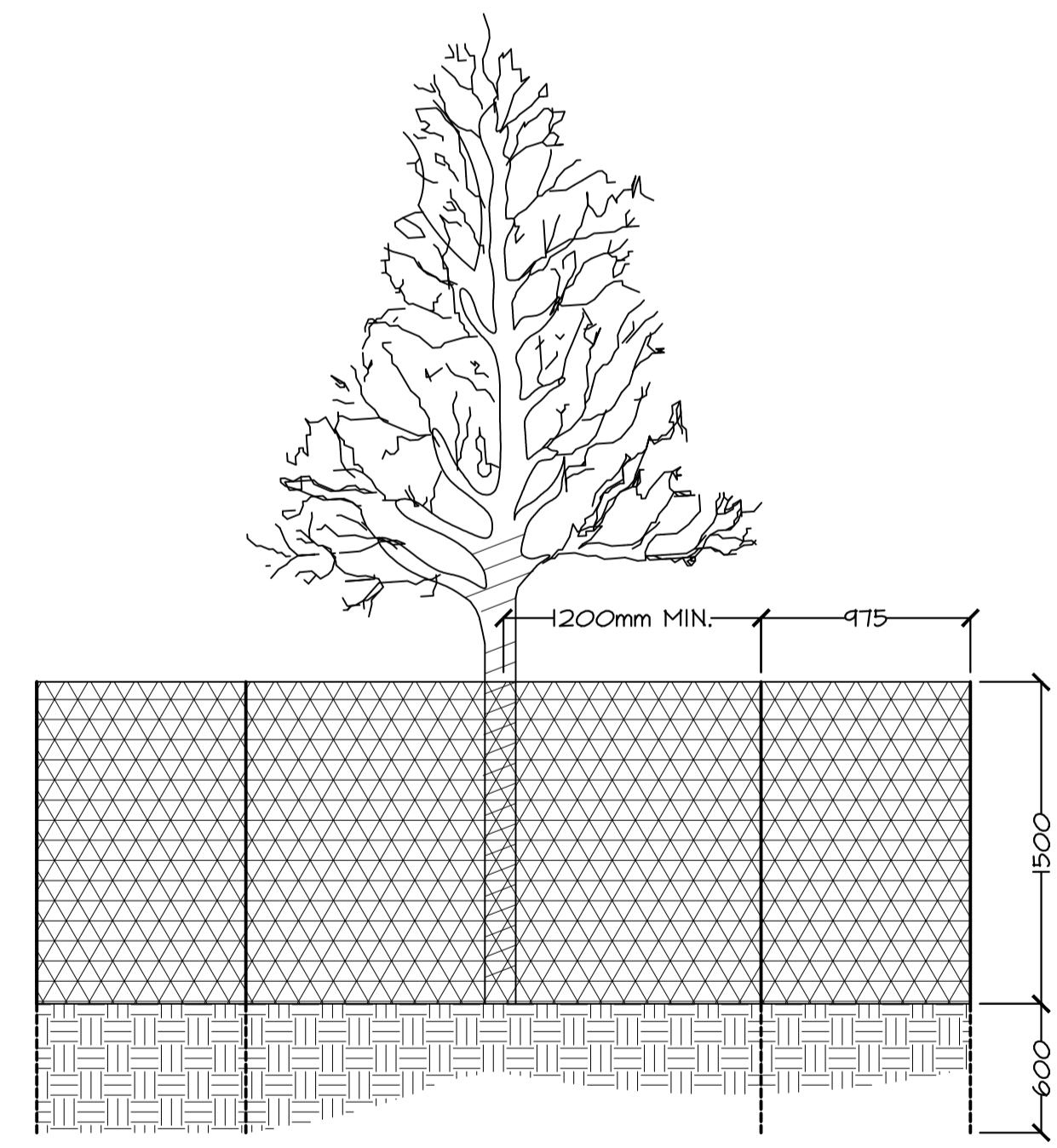
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date	May 2016	
drawn	KP/DS	dessiné
date	September 2016	
approved	SC	approuvé
date	October 2016	
Tender		Soumission
PWGS Project Manager	Administrateur de projets TPSCG	
project number		no. du projet
	604	
drawing no.		no. du dessin
	L300	



7 GABION AT BERM
SCALE: 1:20



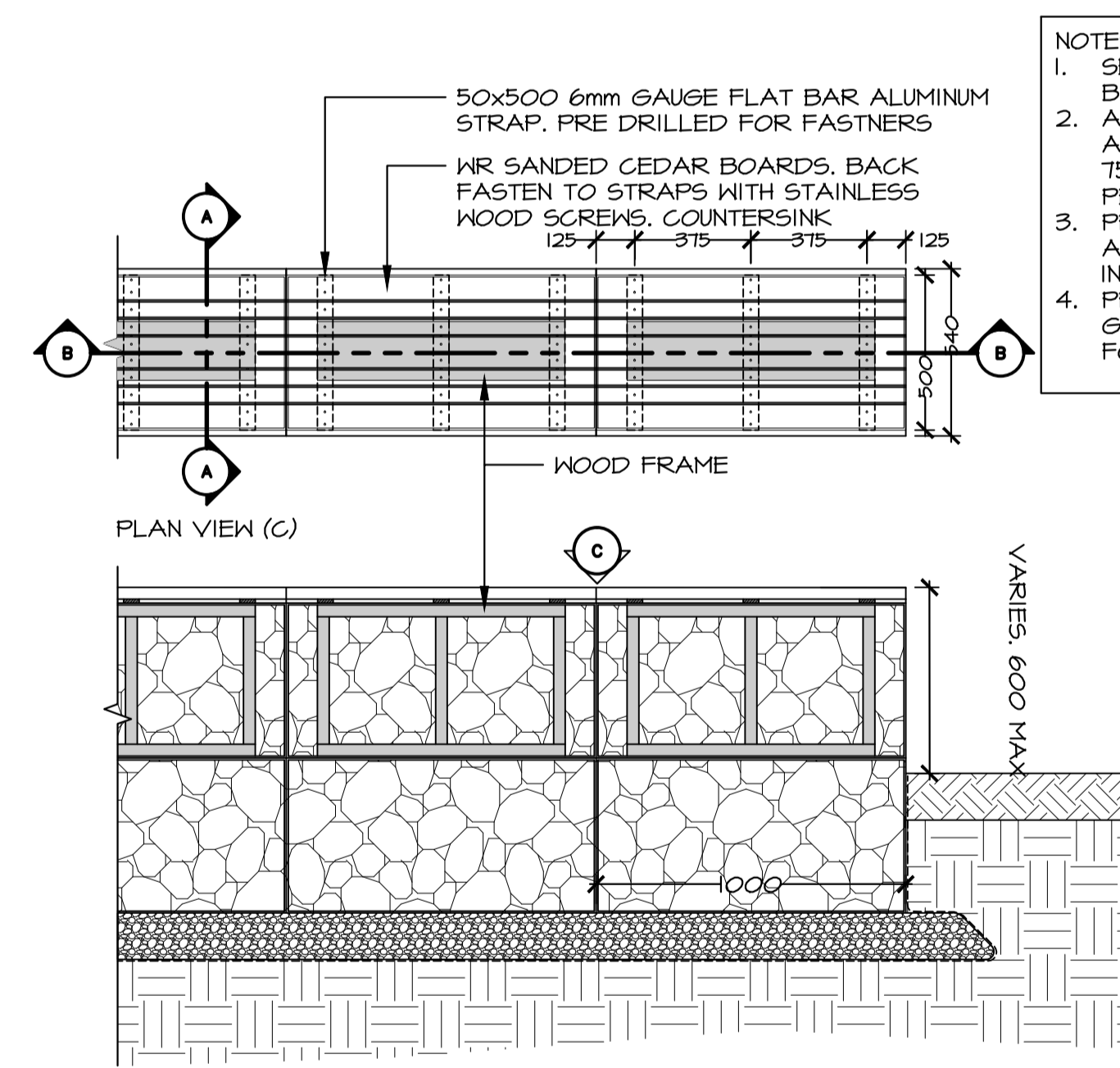
2 GABION CHECK DAM IN SWALE
SCALE: 1:20



NOTES

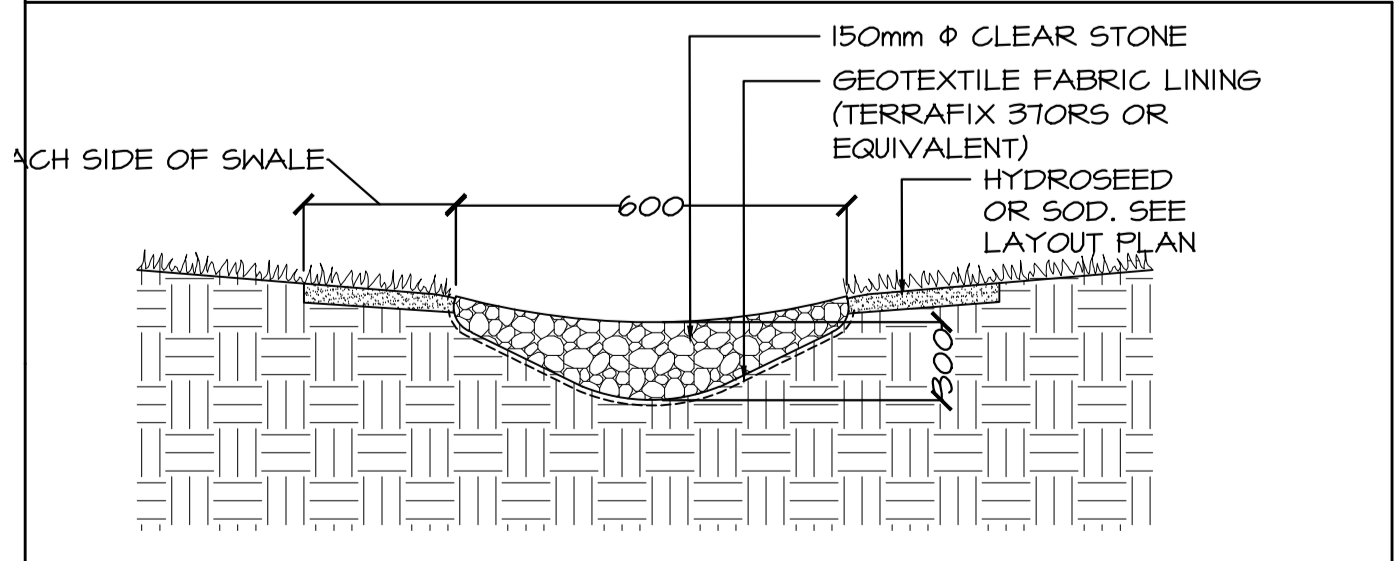
- ALL WORK FOR TREE PROTECTION TO BE CARRIED OUT IN ACCORDANCE WITH APPROVED HORTICULTURAL PRACTICES.
- TREE PROTECTION FENCING TO BE INSTALLED BEYOND THE DRIPLINE OF THE TREE, OR A MINIMUM DISTANCE OF 1000mm.
- SEE EXISTING CONDITIONS PLAN FOR AREAS WHERE EXISTING TREES ARE TO BE PROTECTED.
- 2400mm LENGTH T-BARS SPACED 1500mm O.C. AND WIRED TO THE INSIDE OF A STANDARD SNOW FENCE (ORANGE 1.2M HIGH PLASTIC FENCE) AT THREE LOCATIONS WITH #10 WIRE.
- ATTACHMENT OF FENCE TO EXISTING TREES IS NOT PERMITTED.
- FENCING TO BE INSTALLED PRIOR TO START OF CONSTRUCTION AND MAINTAINED IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETE.
- FRAMED HOARDING IS TEMPORARY FENCING FOR THE DURATION OF CONSTRUCTION ACTIVITY PLACED AROUND EXISTING TREES TO BE PRESERVED. FRAME HOARDING IS DEFINED AS PLASTIC SAFETY FENCING SUPPORTED BY IRON "T" STAKES AT 1800mm O.C. AND SUPPORTED WITH A WOODEN FRAME OF 25mm X 16mm SLATS ACROSS THE TOP.
- ABSOLUTELY NO STORAGE OR MATERIALS OR PARKING WITHIN FENCING BOUNDARY.

8 TREE PROTECTION
SCALE: 1:30

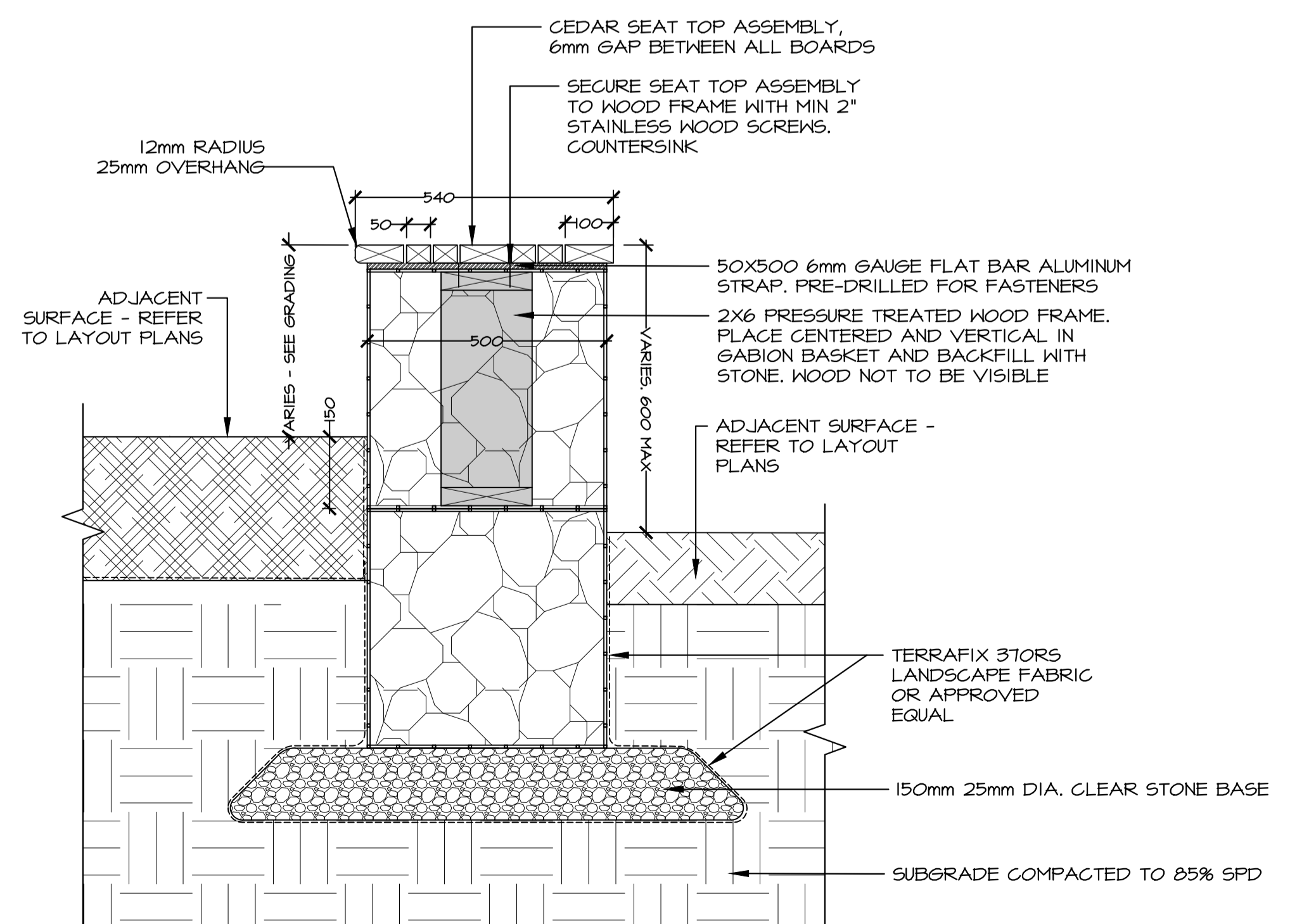


- NOTES:
- SEE GRADING PLAN FOR ELEVATIONS AT BACK, TOP AND FACE OF GABIONS
 - ALL GABION WALLS TO BE MACCAFERRI ARCHITECTURAL GABION, GALVANIZED 75x15 WELDED WIRE MESH, INSTALL AS PER MANUFACTURE'S INSTRUCTIONS.
 - PROVIDE SAMPLE OF STONE FOR APPROVAL BY CONSULTANT PRIOR TO INSTALLATION
 - PROVIDE SHOP DRAWINGS OF ALL GABION BASKET AND SEAT ASSEMBLIES FOR CONSULTANT REVIEW.

3 GABION SEAT WALL
SCALE: 1:20



5 ROCK SWALE
SCALE: 1:20



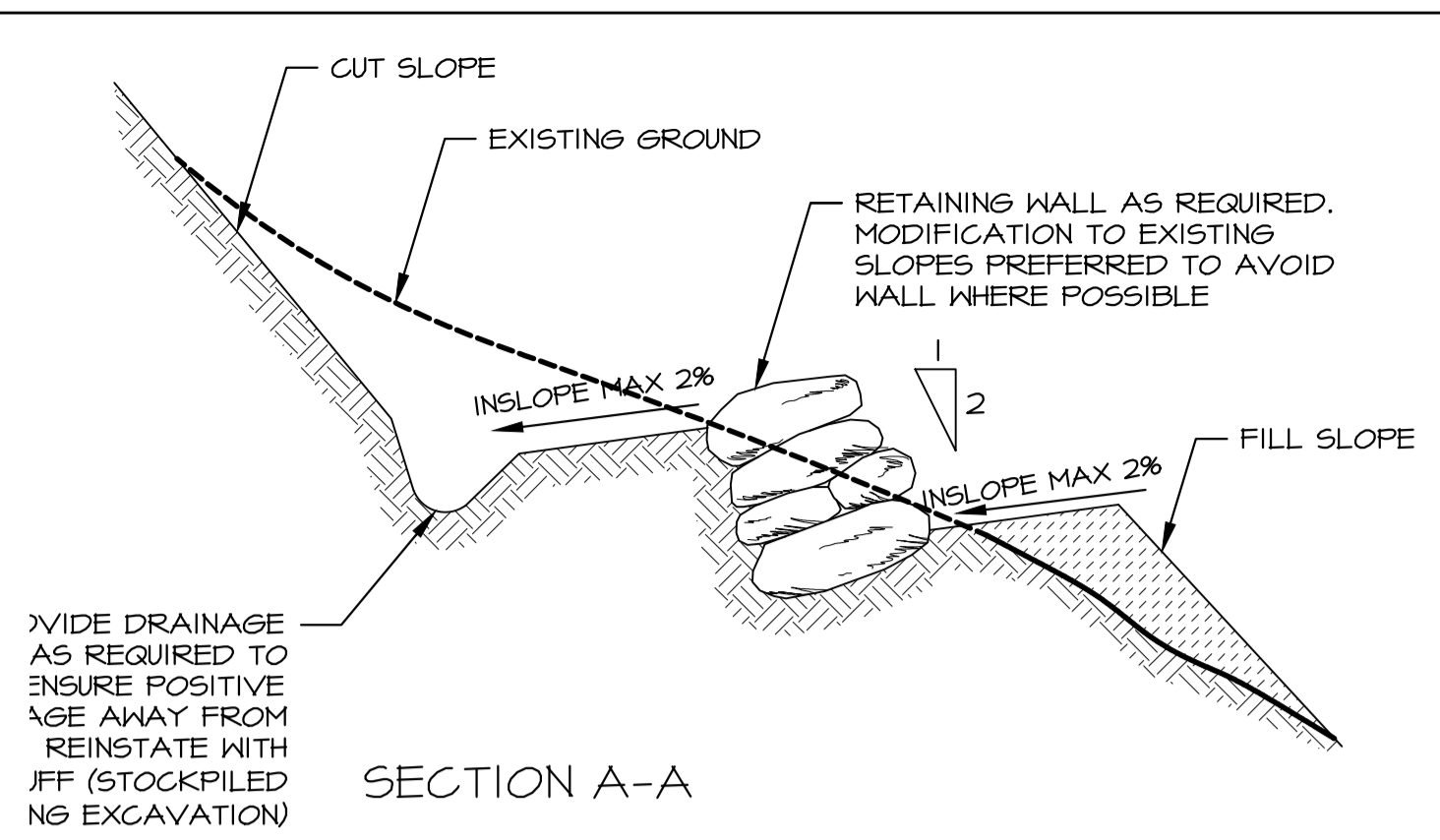
4 GABION SEAT WALL - SECTION A-A
SCALE: 1:10

3	ISSUED FOR TENDER	DEC 23 2016
2	PRE-TENDER REVIEW	SEPT 9 2016
1	ISSUED FOR 66% REVIEW	JULY 18 2016
revisions		date

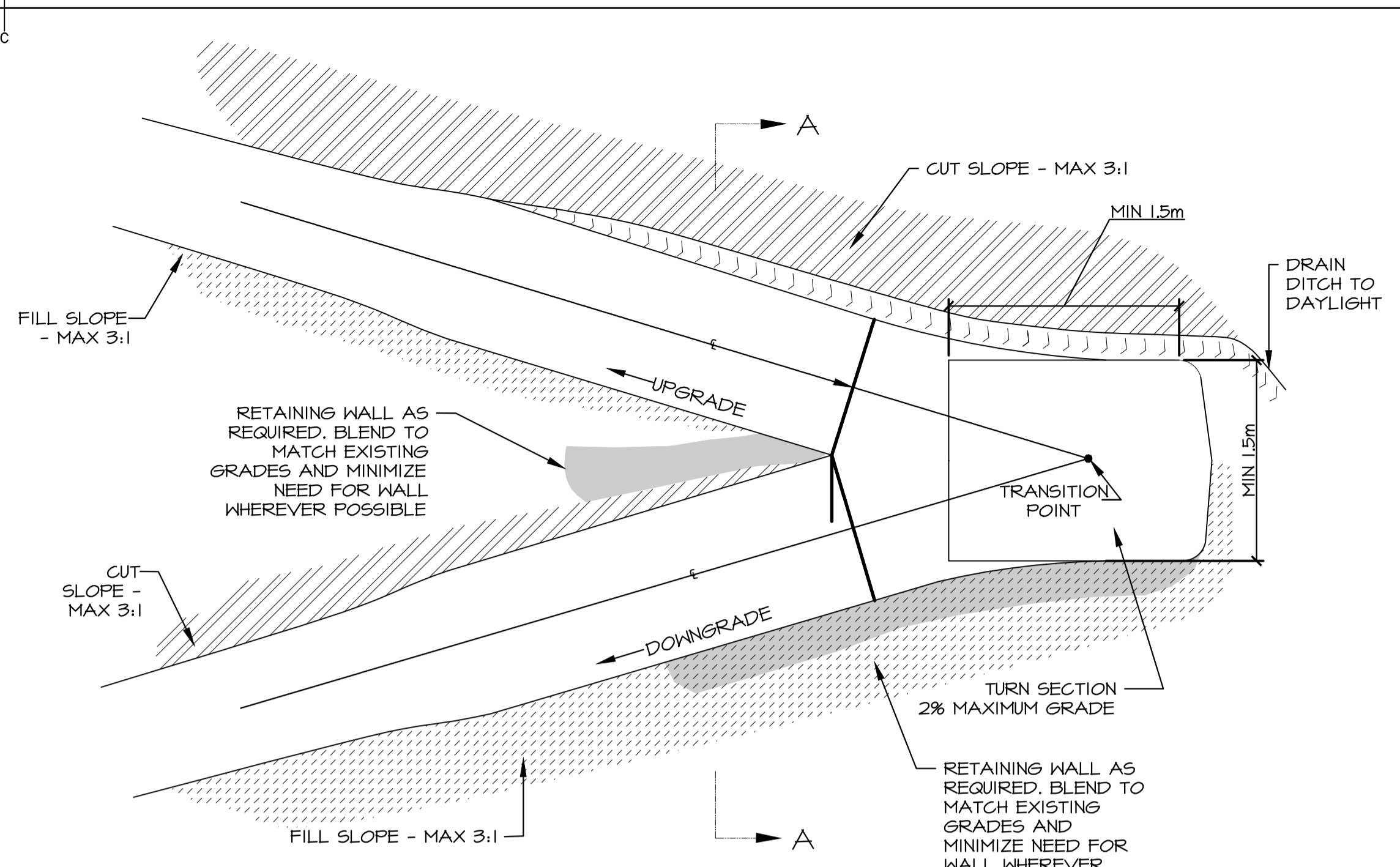
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT
project

drawing
SITE DETAILS
dessin

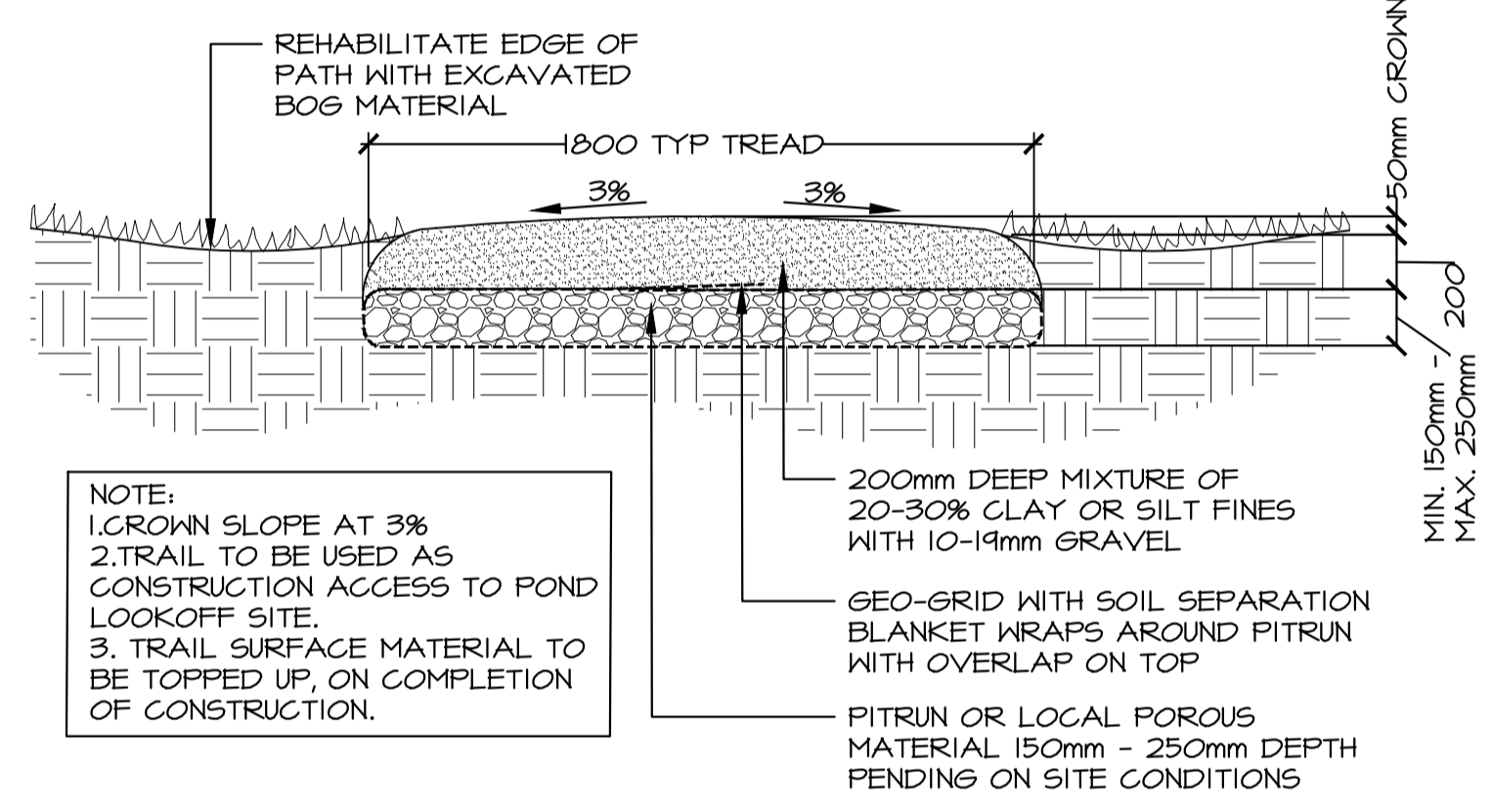
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date	May 2016	
drawn	DS/KP/SC	dessiné
date	September 2016	
approved	SC	approuvé
date	October 2017	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPWSC	
project number	604	no. du projet
drawing no.	L301	no. du dessin



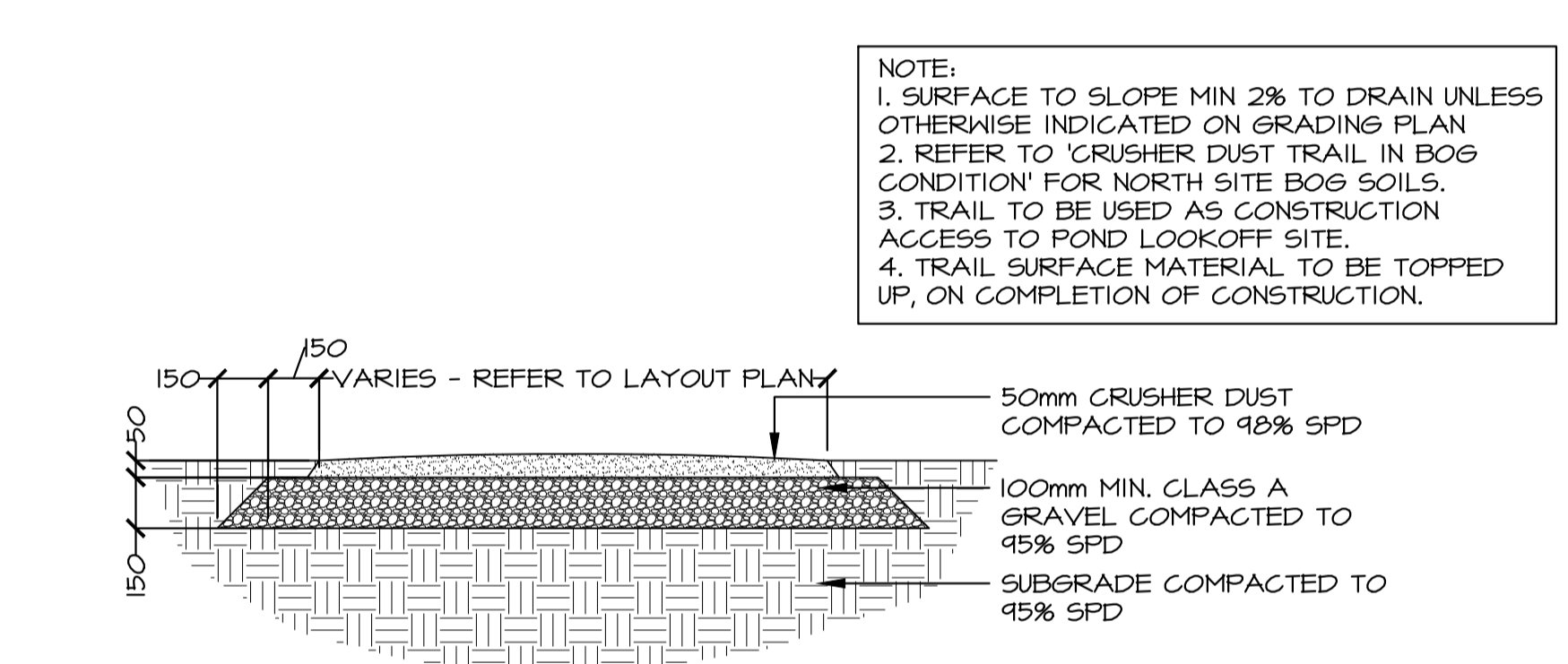
1 SWITCHBACK
SCALE: 1:30



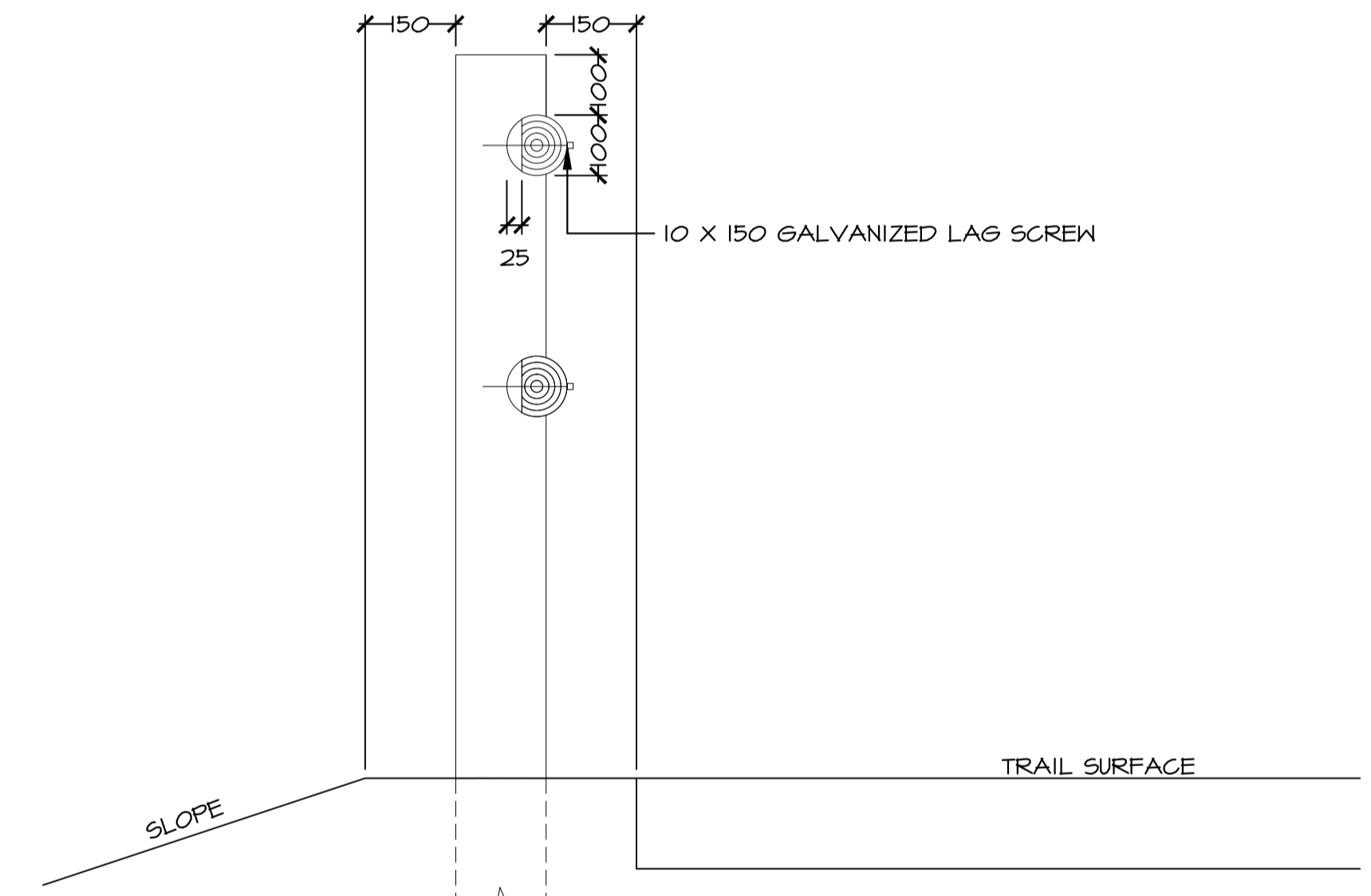
PLAN VIEW



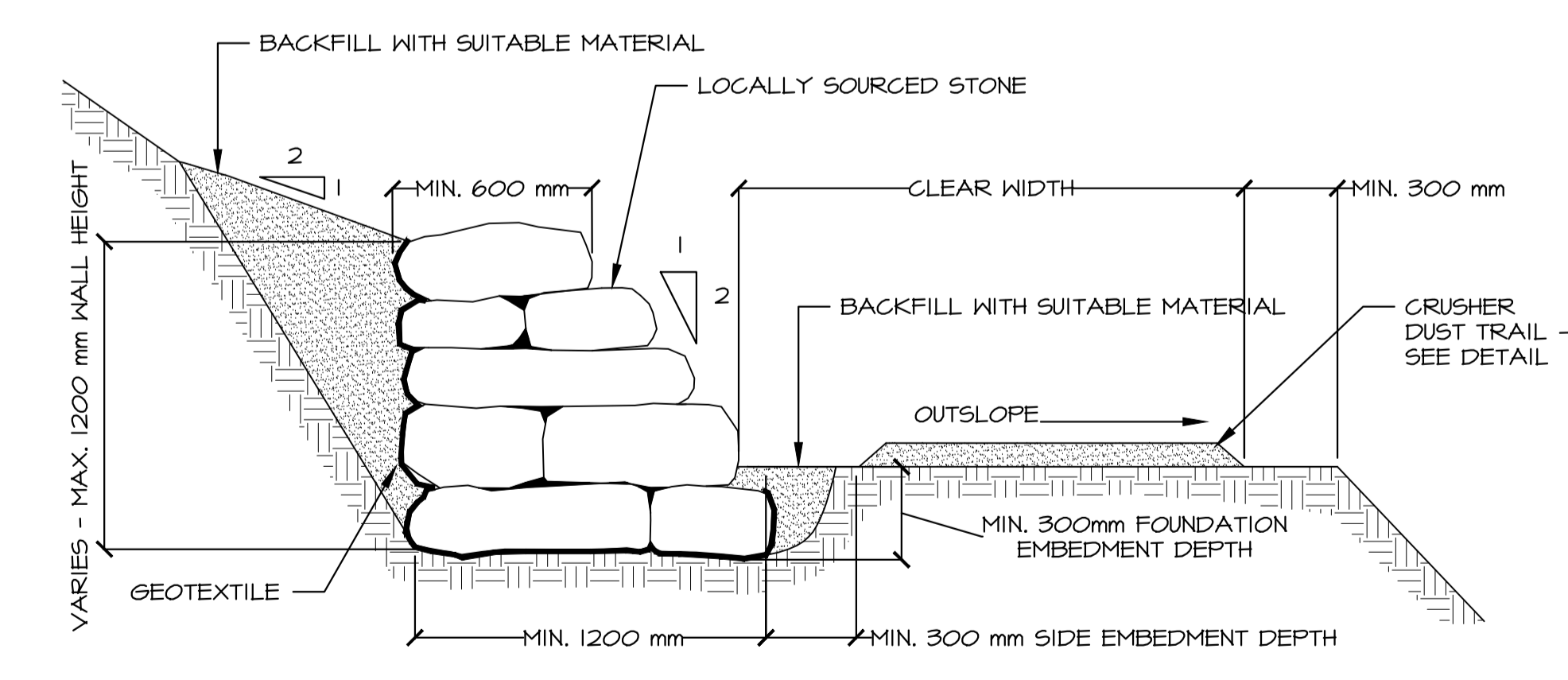
3 CRUSHER DUST TRAIL - BOG CONDITION
SCALE: 1:20



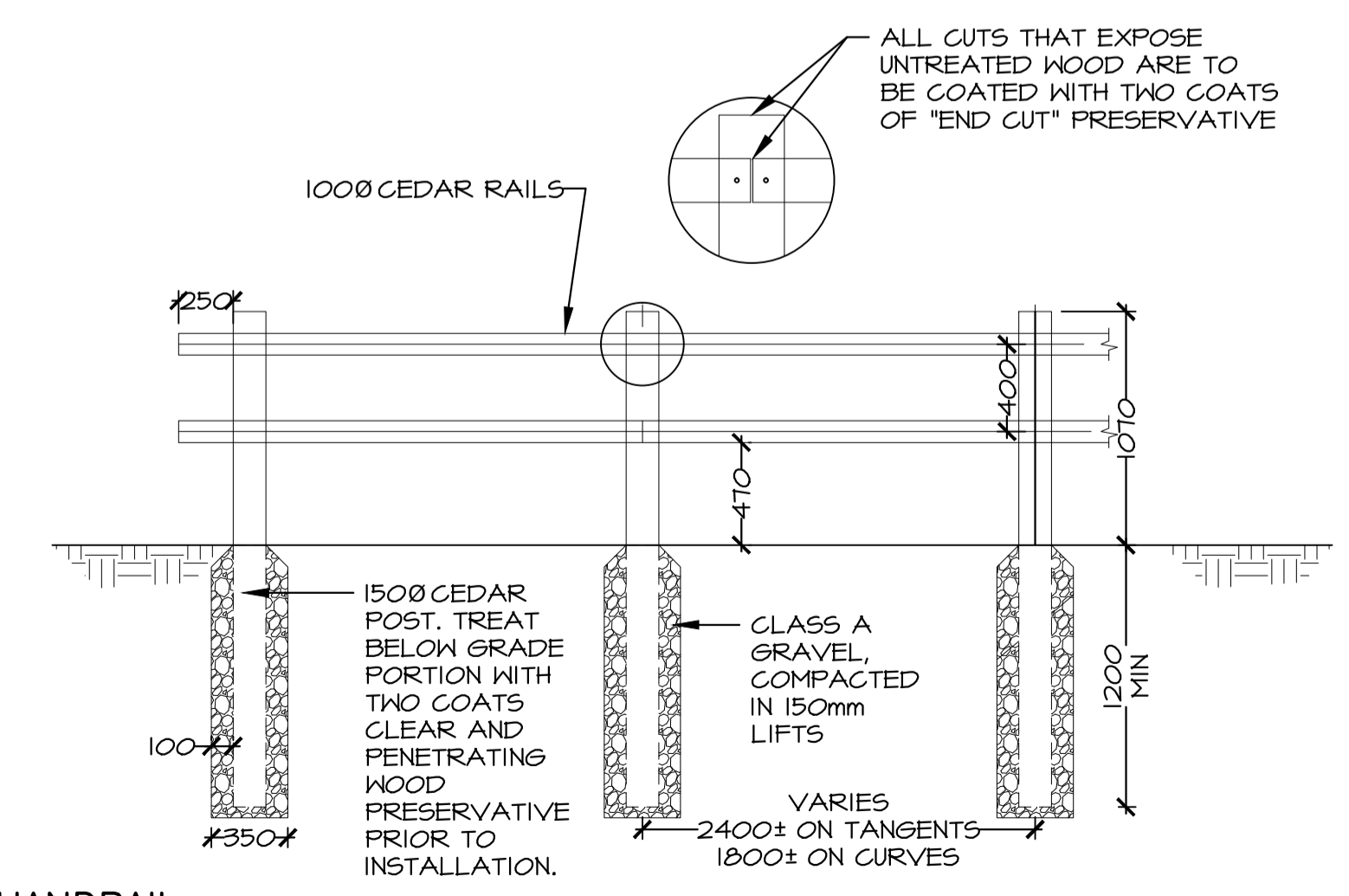
4 CRUSHER DUST TRAIL - TYPICAL
SCALE: 1:20



2b HANDRAIL ENLARGEMENT
SCALE: 1:10



5 UPHILL RETAINING WALL
SCALE: 1:20



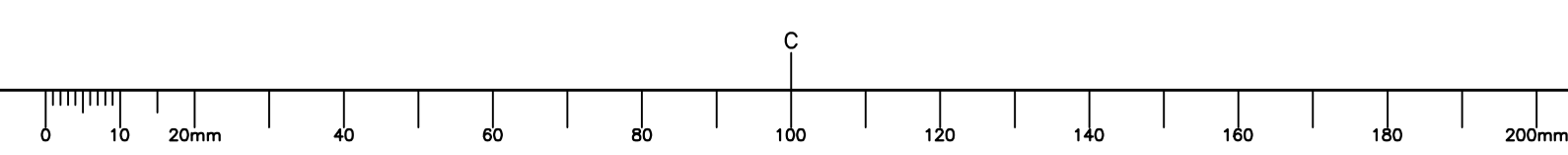
2 HANDRAIL
SCALE: 1:30

revisions	date
3	ISSUED FOR TENDER
2	PRE-TENDER REVIEW
1	ISSUED FOR 66% REVIEW

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

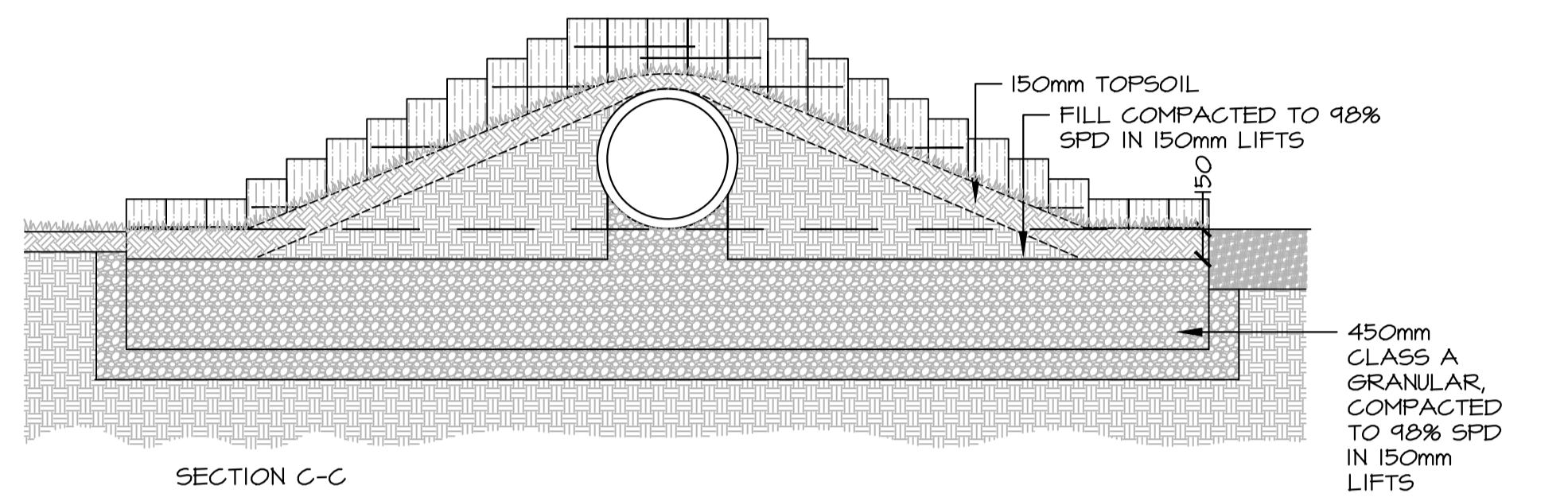
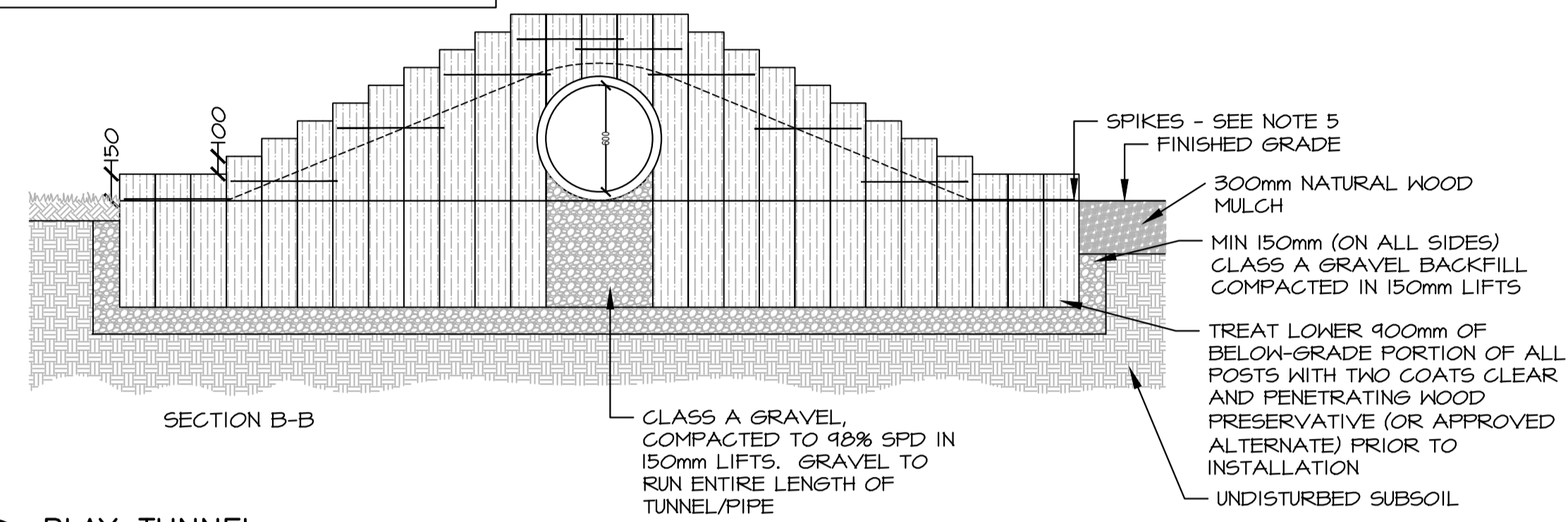
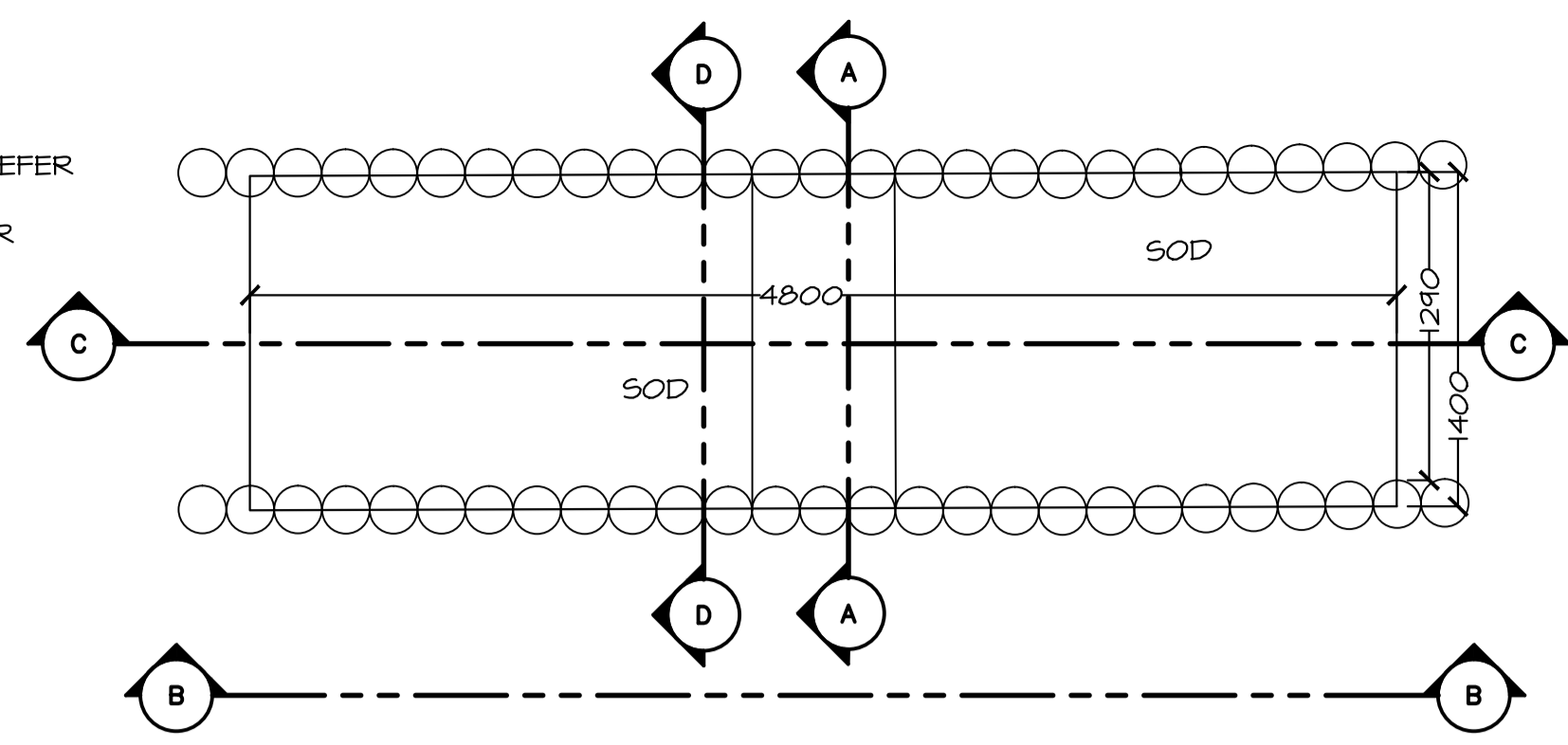
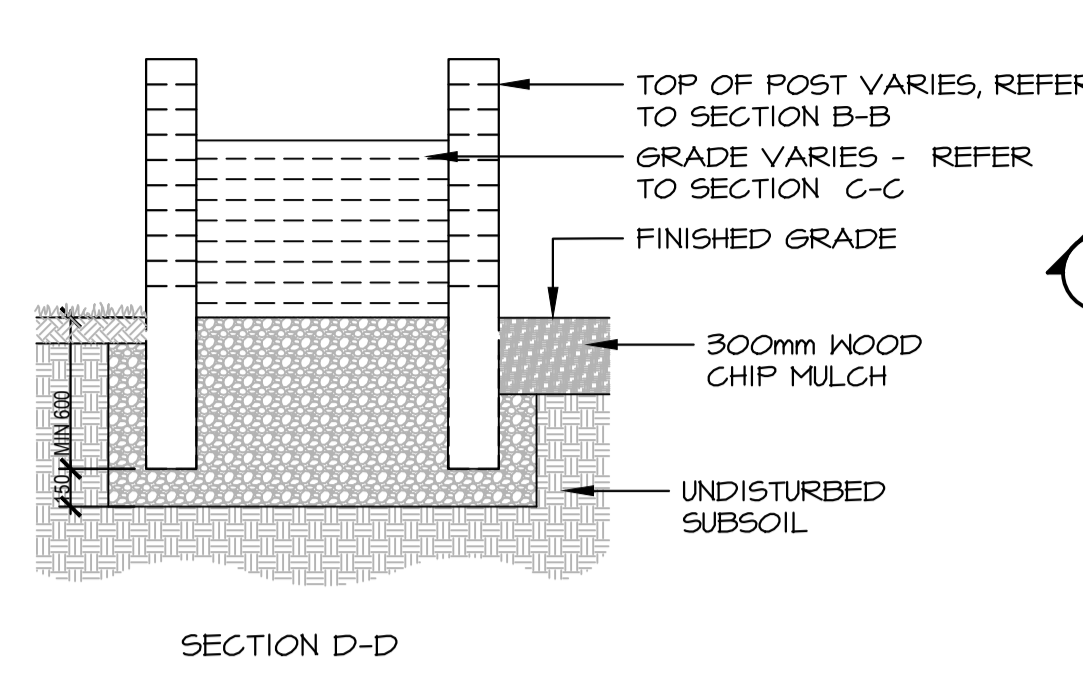
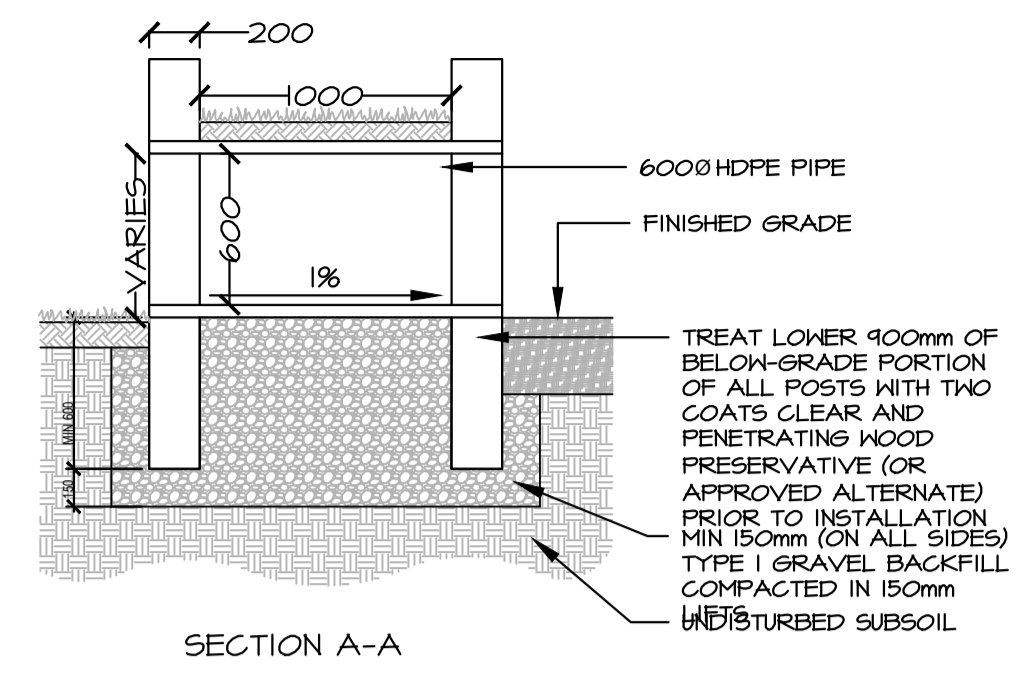
SITE DETAILS

designed	CC/JB/BR/SC/KP/DS	conçu
date	May 2016	
drawn	DS/KP	dessiné
date	September 2016	
approved	SC	approuvé
date	October 2016	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSSC	
project number	604	no. du projet
drawing no.	L302	no. du dessin

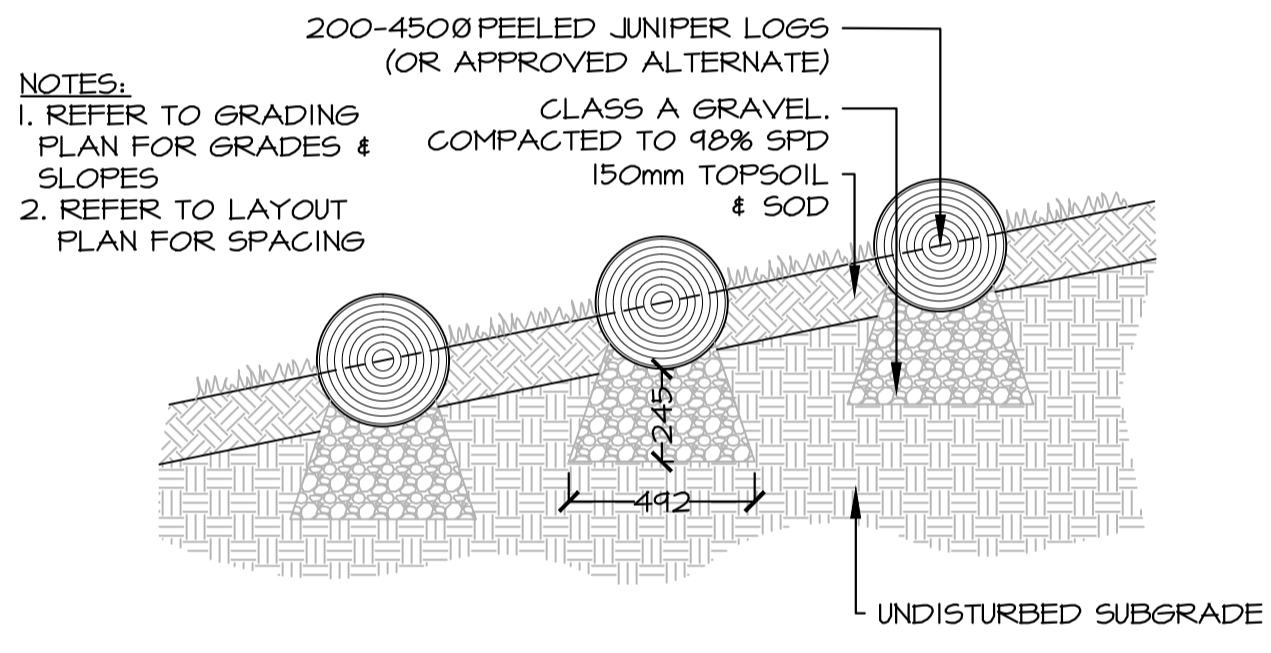




- NOTES:**
1. ALL POSTS TO BE INSTALLED VERTICAL WITH TOPS CUT HORIZONTALLY. VARY HEIGHTS AS INDICATED ON LAYOUT PLAN.
 2. NUMBER OF POSTS VARIES. REFER TO LAYOUT PLAN.
 3. ALL FASTENERS TO BE HOT-DIPPED GALVANIZED.
 4. ROUND WOOD POSTS - PEELED JUNIPER - 200Ø PLACED VERTICALLY AND TIGHTLY BUTTED TOGETHER IN LAYOUT PER PLAN. ALTERNATE TAPERS TO ACHIEVE TIGHTER JOINTS. POSTS TO BE LIGHTLY SANDED AND FREE OF SPLINTERS. POSTS TO BE FREE OF MOVEMENT FOLLOWING INSTALLATION.
 5. SPIKE POSTS TOGETHER WITH 600mm LONG GALVANIZED SPIRAL SPIKES. INSTALL ON AN ANGLE. EACH SPIKE MUST GO COMPLETELY THROUGH THE POST AND INTO THE ADJOINING POST. START IN THE MIDDLE AND WORK OUTWARDS TO ENSURE MAXIMUM STABILITY. HOLES TO BE COUNTERSUNK AND PLUGGED WITH DOWELS ON OUTER POSTS.



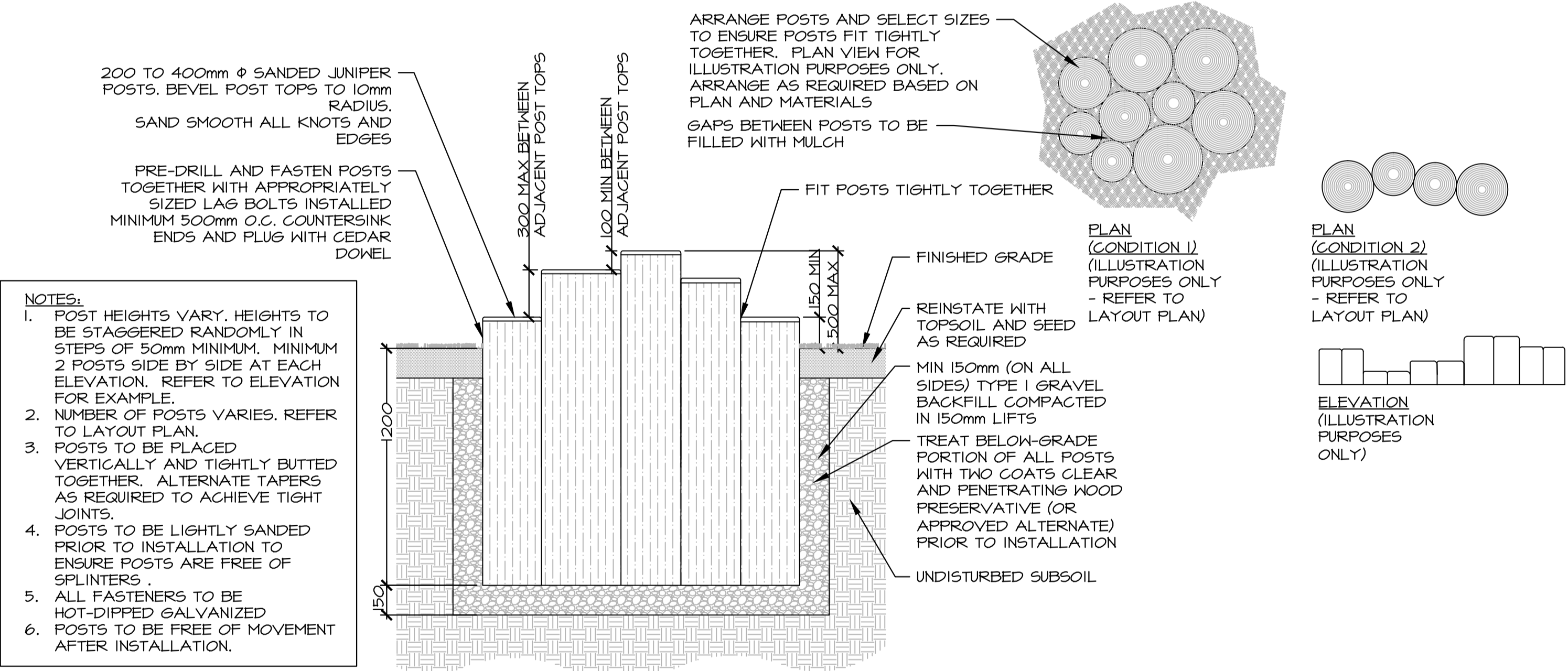
1 PLAY TUNNEL
SCALE: 1:30



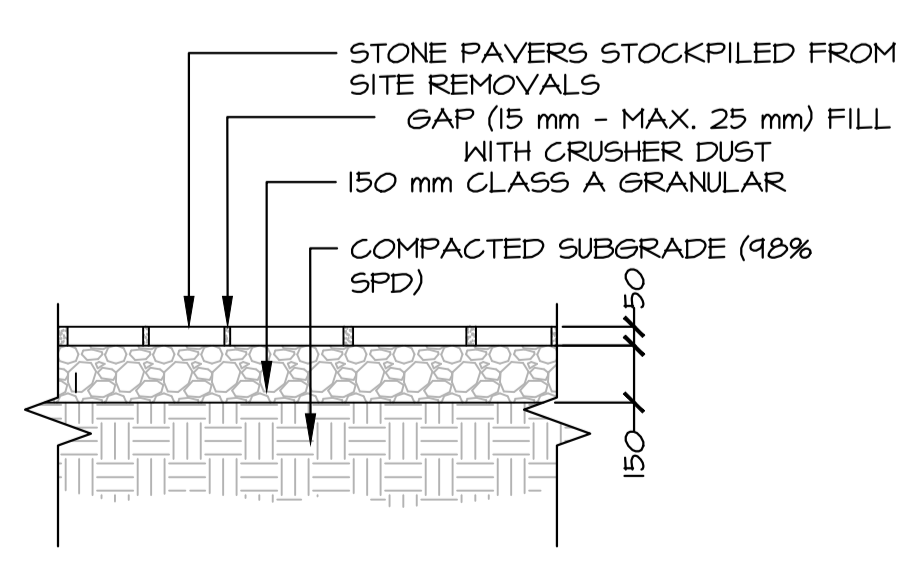
5 HORIZONTAL LOG STEP
SCALE: 1:20

PLAYGROUND NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. SPECIFIED DEPTHS FOR MULCH ARE AFTER SETTLEMENT. SPECIFIED DEPTHS FOR GRANULAR ARE AFTER COMPACTION.
3. ALL MULCH TO BE NATURAL WOOD CHIP MULCH.
4. ALL LOGS ARE TO BE PEELED JUNIPER (OR APPROVED ALTERNATE), FREE OF IRREGULARITIES SUCH AS BRANCHES, WARPS, CHECKS AND CRACKS. WOOD TO BE SANDED AND FREE OF SPLINTERS. ALL EXPOSED EDGES TO BE ROUNDED.
5. ALL BOLTS, SPIKES, NAILS, AND OTHER FASTENERS TO BE HOT-DIPPED GALVANIZED, SIZES AS APPROPRIATE. WHERE FASTENER IS ON EXTERIOR FACE, HOLE TO BE COUNTER-SUNK, PLUGGED WITH A DOWEL AND SANDED FLUSH.
6. ALL INSTALLED LOGS AND POSTS ARE TO BE FREE OF MOVEMENT.
7. BELOW GRADE PORTION OF ALL LOGS TO BE TREATED WITH 2 COATS OF CLEAR AND PENETRATING WOOD PRESERVATIVE PRIOR TO INSTALLATION.

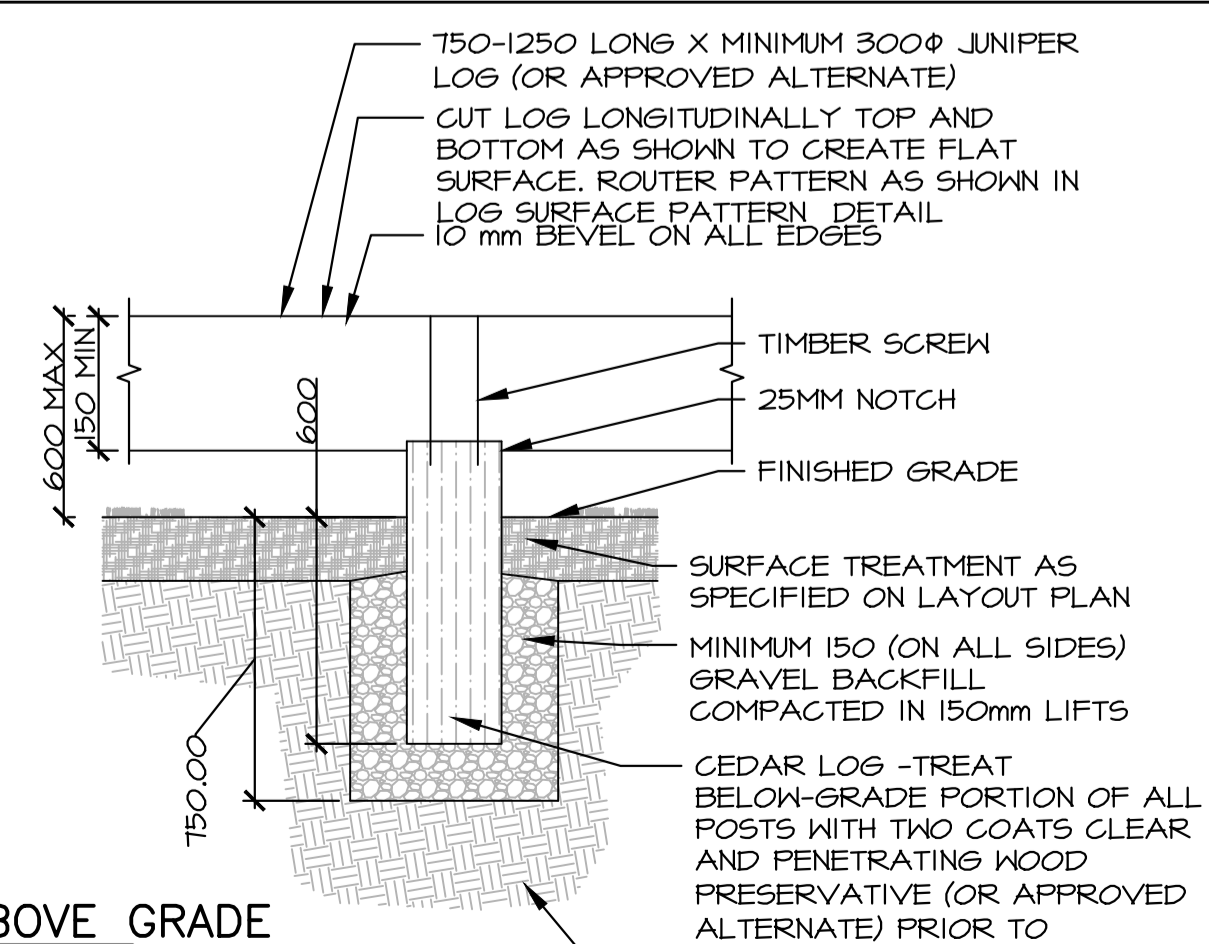


2 LOG STEPPER
SCALE: 1:20



4 STEPPING STONE PATH
SCALE: 1:20

- NOTES:**
1. SPECIFIED DEPTHS OF TOPSOIL ARE DEPTHS AFTER SETTLEMENT. SPECIFIED DEPTH OF CRUSHER DUST AND GRANULAR BASES IS COMPACTED DEPTH.
 2. ALL TIMBER, LUMBER AND LOGS TO BE FREE FROM WARPS, CHECKS AND CRACKS.
 3. LOG INSTALLATION TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
 4. MULTIPLE HORIZONTAL LOGS MAY BE INSTALLED END-TO-END IN A ZIG-ZAG PATTERN. ANGLE OUT ENDS TO CREATE MITRE JOINT. ENSURE 6mm GAP AT JOINT.



3 HORIZONTAL LOG ABOVE GRADE
SCALE: 1:20

3	ISSUED FOR TENDER	DEC 23 2016
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1	ISSUED FOR 66% REVIEW	JULY 18 2016
revisions		date

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing desin

SITE DETAILS

designed	CC/JB/BR/SC/KP/DS	conçu
date	May 2016	
drawn	KP	dessiné
date	September 2016	
approved	SC	approuvé
date	October 2016	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number	604	no. du projet
drawing no.	L303	no. du dessin

REFER TO NOTES - SHEET I-101

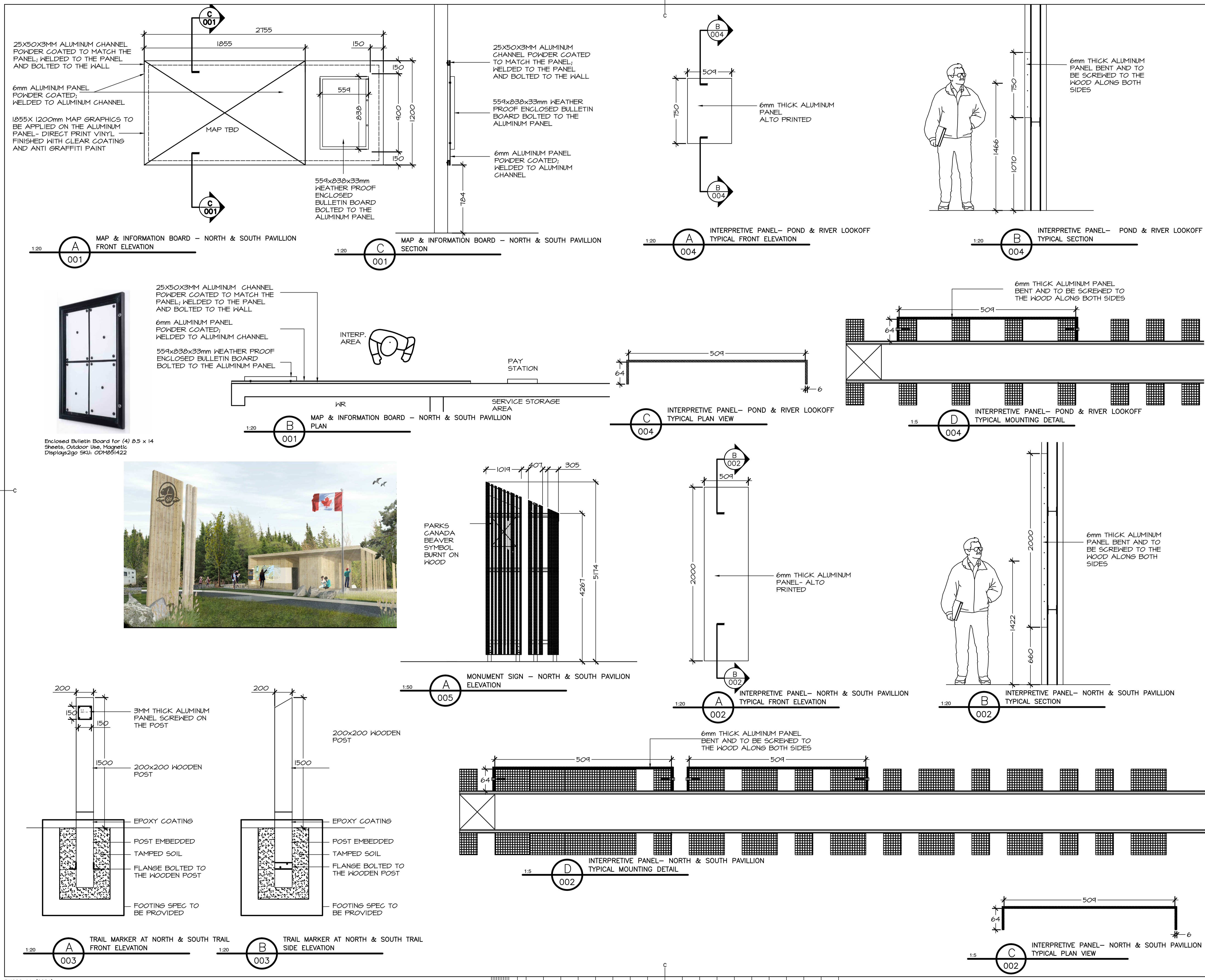
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TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

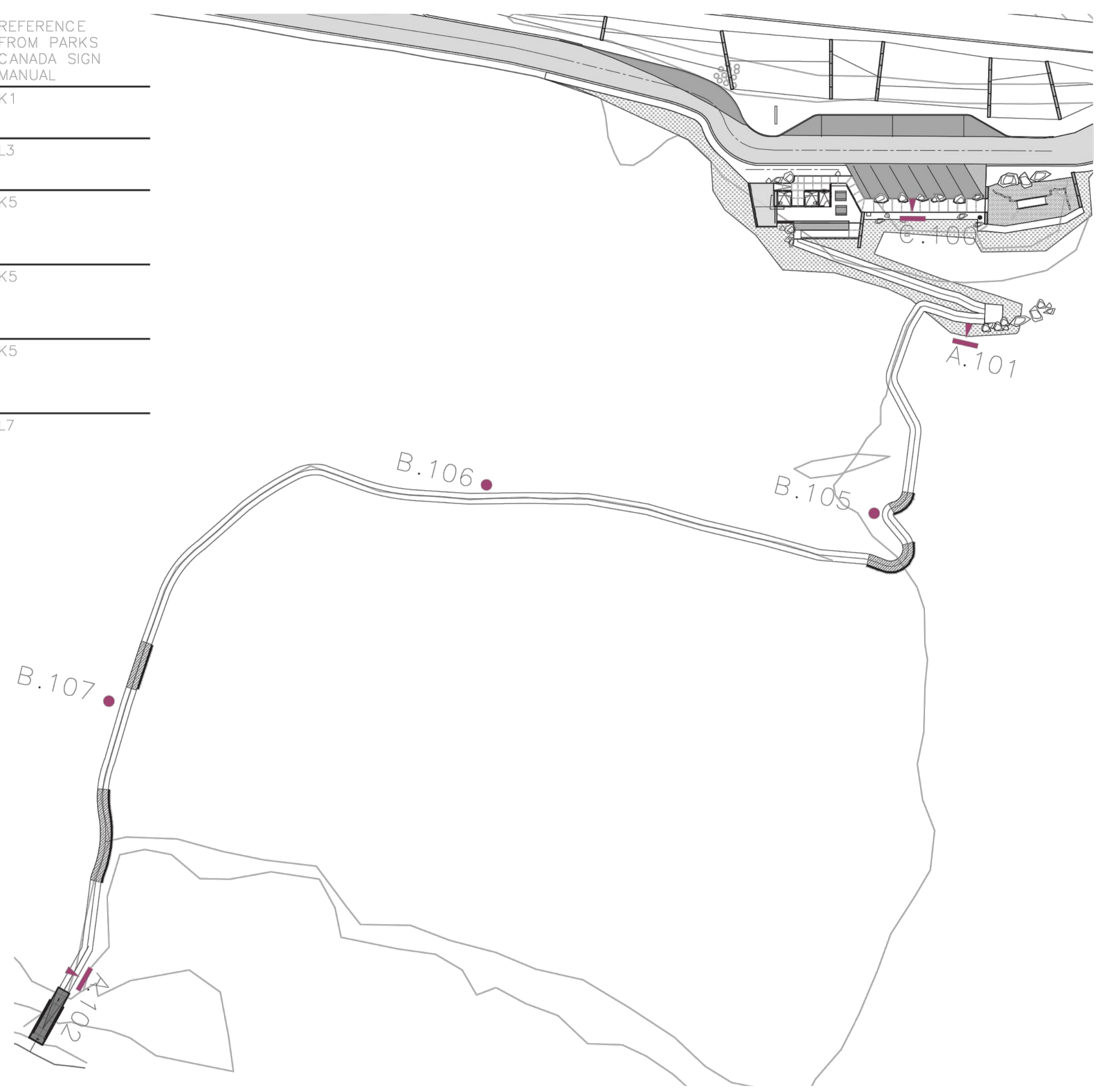
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INTERPRETIVE SITE SIGNAGE DETAILS

designed	SC	conçu
date	SEPTEMBER 2016	
drawn	SC	dessiné
date	SEPTEMBER 2016	
approved	JD	approuvé
date	OCTOBER 2016	
Tender		Soumission
PWGC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
	604	
drawing no.		no. du dessin
	I-100	



SIGN ID	SIGN CATEGORY	SIGN CLASSIFICATION	SIGN LOCATION	MESSAGE	REFERENCE FROM PARKS CANADA SIGN MANUAL
C.100	Information	Identification	Parking lot	Terra Nova National Park	K1
A.101	Information	Directional	Trail	→POND LOOK-OFF 265 m	L3
B.105	Information	Marker	Trail		K5
B.106	Information	Marker	Trail		K5
B.107	Information	Marker	Trail		K5
A.102	Information	Directional	North Look-off	← PARKING 315 m	L7



GENERAL NOTES:


1. FABRICATOR TO SUBMIT SHOP DRAWINGS FOR REVIEW.
2. STRUCTURES TO BE ENGINEERED AS REQUIRED. ANY CHANGES OR DISCREPANCIES TO BE NOTED FOR REVIEW.
3. ALL FASTENERS TO BE WEATHER RESISTANT - STAINLESS OR HOT DIP GALVANIZED AS REQUIRED.
4. ANY DISSIMILAR METALS TO BE SEPARATED BY APPROPRIATE RUBBER GASKETS.
5. ALL STEEL TO BE POWDER COATED.
6. ALL MATERIALS TO BE WEATHER RESISTANT.
7. GRAPHICS TO BE COORDINATED WITH FINAL PANEL SIZES.
8. INTERPRETIVE PANELS ARE TO BE ALUMINUM, WITH CONTINUOUS-TONE GRAPHICS EMBEDDED IN POWDER COAT, WITH GRAFFITI-RESISTANT FINISH.
9. PANELS MUST BE DURABLE, HIGH QUALITY, AND LOW MAINTENANCE. OUTDOOR EXHIBITS MUST BE DESIGNED TO WITHSTAND EXTREME TEMPERATURE RANGES (+35°C TO -40°C); PERIODIC HIGH WIND CONDITIONS (UP TO 100km/h); ULTRAVIOLET RAYS, VANDALISM, AND HIGH VOLUME USAGE; CORROSION DUE TO SALT SPRAY AND HIGH ATMOSPHERIC SALT CONTENT
10. PANELS MUST HAVE A MINIMUM WARRANTY OF 10 YEARS AGAINST DELAMINATING, FADING, AND FAILURE OF MATERIALS DUE TO ENVIRONMENTAL CONDITIONS AT THE SITE.

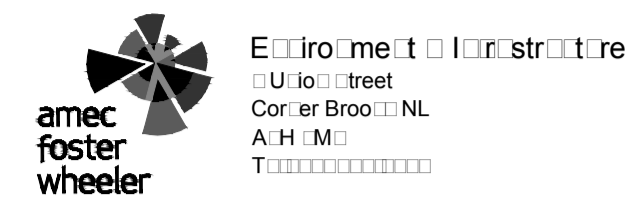
revisions	date	
3	ISSUED FOR TENDER	DEC 23 2016
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1	ISSUED FOR 66% REVIEW	JULY 18 2016

Exhibit Name	Number	Sign ID	Graphic Name	W x H (mm)	Process	Thickness	Substrate	Mounting	Content	Notes
1. North Gate										
1.1 North interpretation panel	1.1-1		Interpretation panel 1	2 nos of (509 X 2000)		6mm	Aluminum panel	screwed	Intro to park	English and French panels side by side
	1.1-2		Interpretation panel 2	2 nos of (509 X 2000)		6mm	Aluminum panel	screwed	tbd	English and French panels side by side
	1.1-3		Interpretation panel 3	2 nos of (509 X 2000)		6mm	Aluminum panel	screwed	tbd	English and French panels side by side
1.2 North viewing platform	1.2-1		Viewing platform 1	509X750		6mm	Aluminum panel	screwed	tbd - based on location	
1.3 North Map	1.3-1		Map 1	2755X1200		6mm	Aluminum panel	welded to Alu. Channel and bolted to the wall	map - no text needed	Bulletin Board to be mounted on the Aluminum panel
1.4 North information board	1.4-1		Information board 1	559X838				bolted to Alu. Panel	none	off the shelf bulletin board
1.5 North Monument	1.5-1		Monument graphics 1		burnt on wood		wood		none	entry sign
1.6 Trail signage	1.6-1	A.101	Trail Direction	Parks Canada standards			wood and aluminum panel		→ Pond look-off 265m	directional
	1.6-2	A.102	Trail Direction	Parks Canada standards			wood and aluminum panel		← Parking 315m	directional
	1.6-3	B.105	Trail Blazer	200x200x1500 wood post		3mm	wood and aluminum panel	face mounted	hike symbol	marker
	1.6-4	B.106	Trail Blazer	200x200x1500 wood post		3mm	wood and aluminum panel	face mounted	hike symbol	marker
	1.6-5	B.107	Trail Blazer	200x200x1500 wood post		3mm	wood and aluminum panel	face mounted	hike symbol	marker
	1.6-6	C.100	Identification	Parks Canada standards			wood and aluminum panel		Terra Nova National Park	

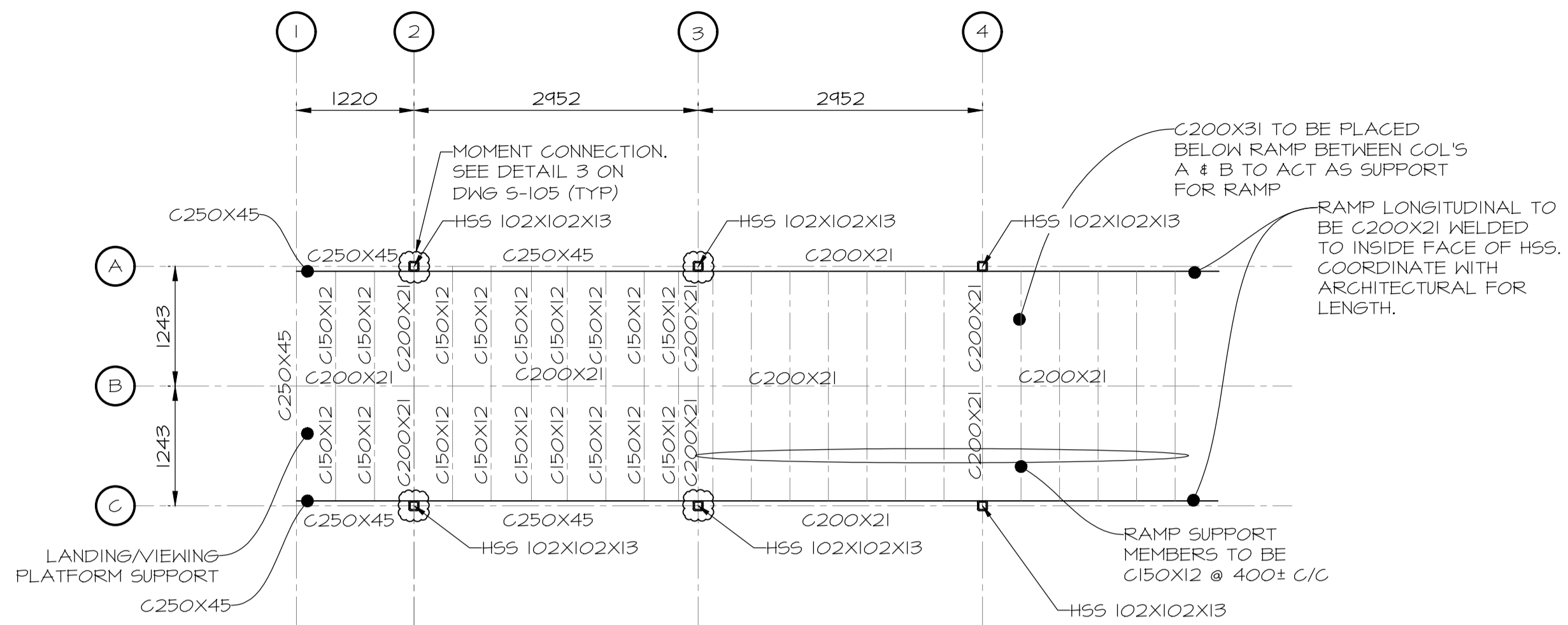
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

INTERPRETIVE SIGNAGE LAYOUT AND MESSAGE SCHEDULE-NORTH

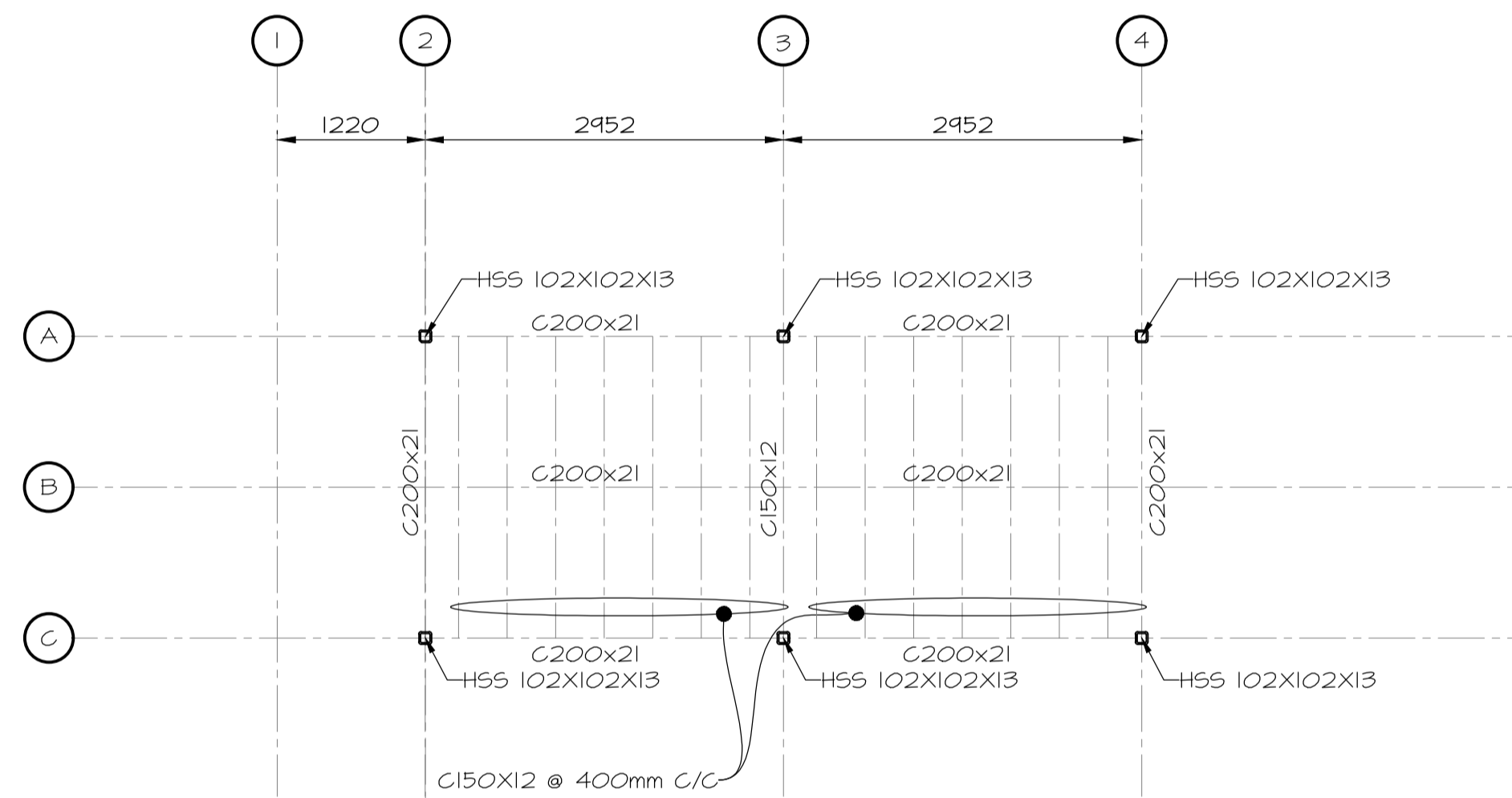
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date	OCTOBER 2016	
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project number	604	no. du projet
drawing no.	I-101	no. du dessin



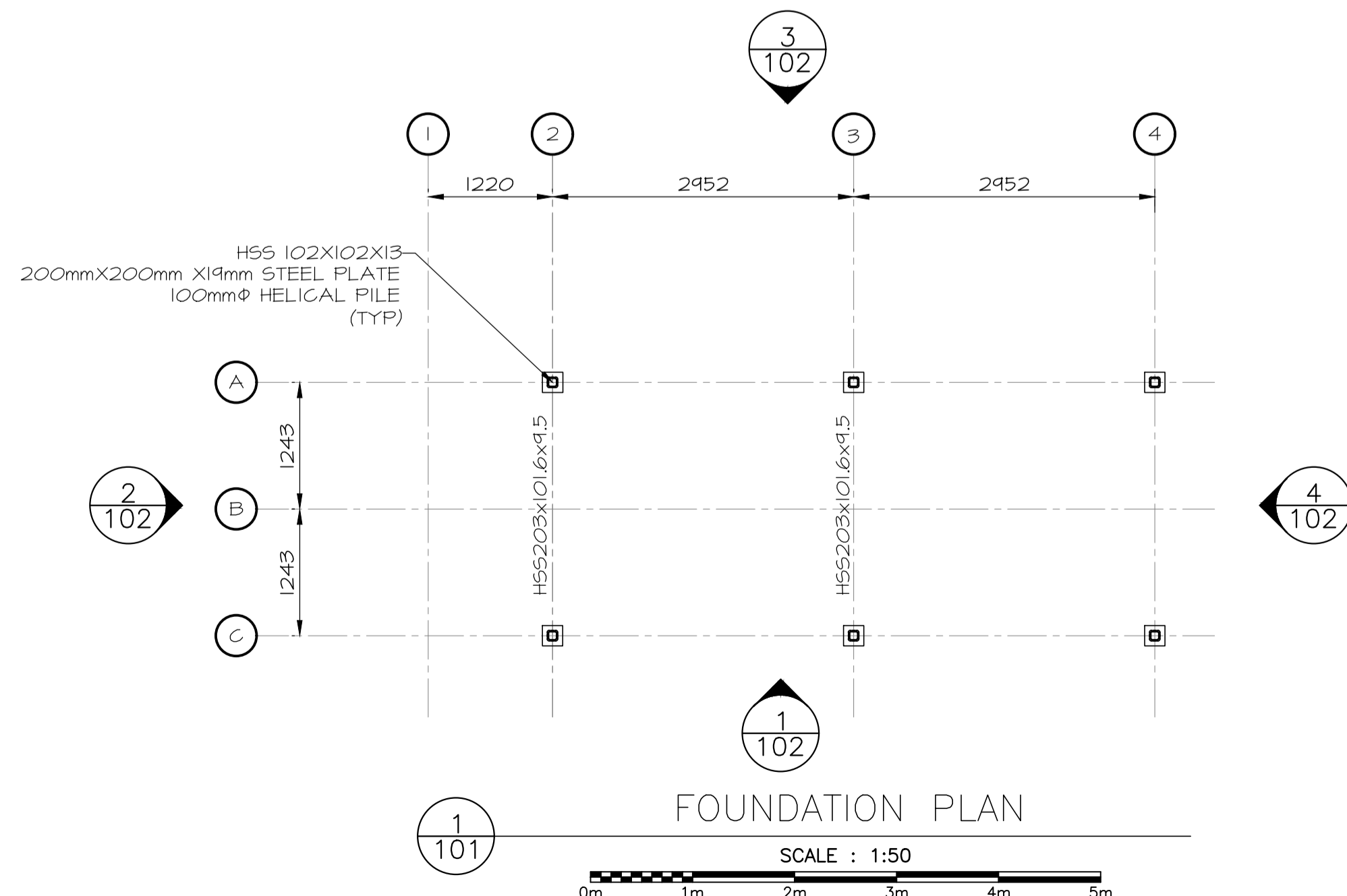
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEG
 PERMIT HOLDER
 This Permit Allows
 Anne Foster Wheeler
 Engineer
 To Practice Professionally in the Province of Newfoundland and Labrador
 Permit No. 11518 issued 11/11/2015



2
101
FIRST FLOOR PLAN
SCALE : 1:50



3
101
ROOF FRAMING PLAN
SCALE : 1:50



1
101
FOUNDATION PLAN
SCALE : 1:50

1	ISSUED FOR TENDER	12/09/2016
0	ISSUED FOR REVIEW	09/16/2016
revisions		date

project

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing

NORTH SITE LOOK OFF PLAN VIEW

designed INO

date SEPT 26, 2016

drawn AN

date SEPT 26, 2016

approved

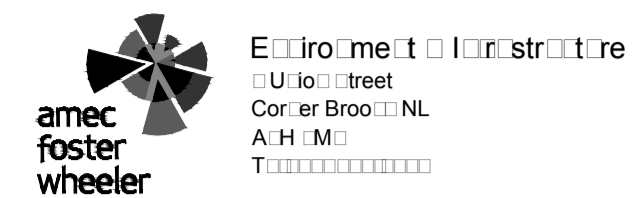
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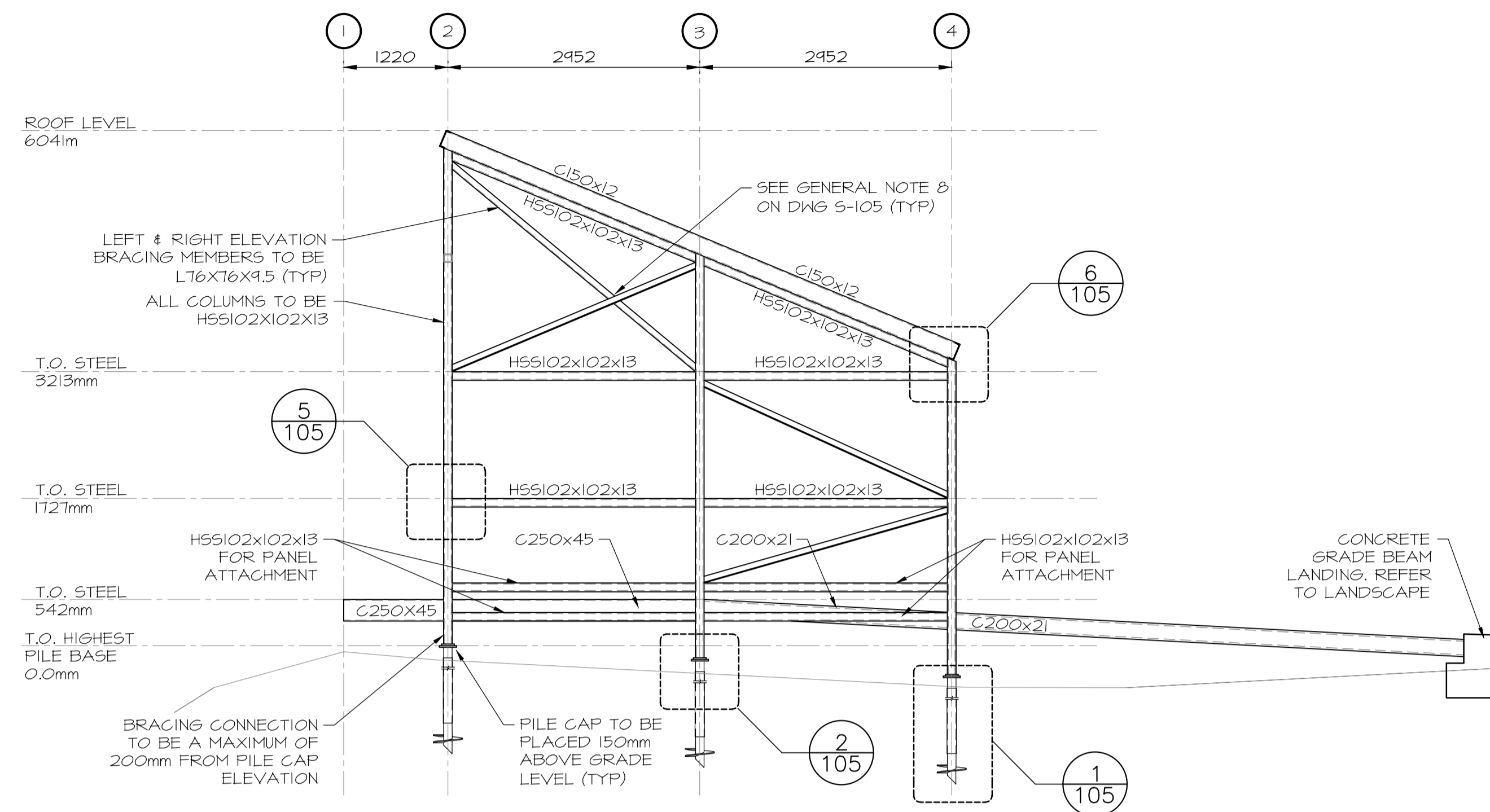
PWGSC Project Manager Administrateur de projets TPSGC

project number 604

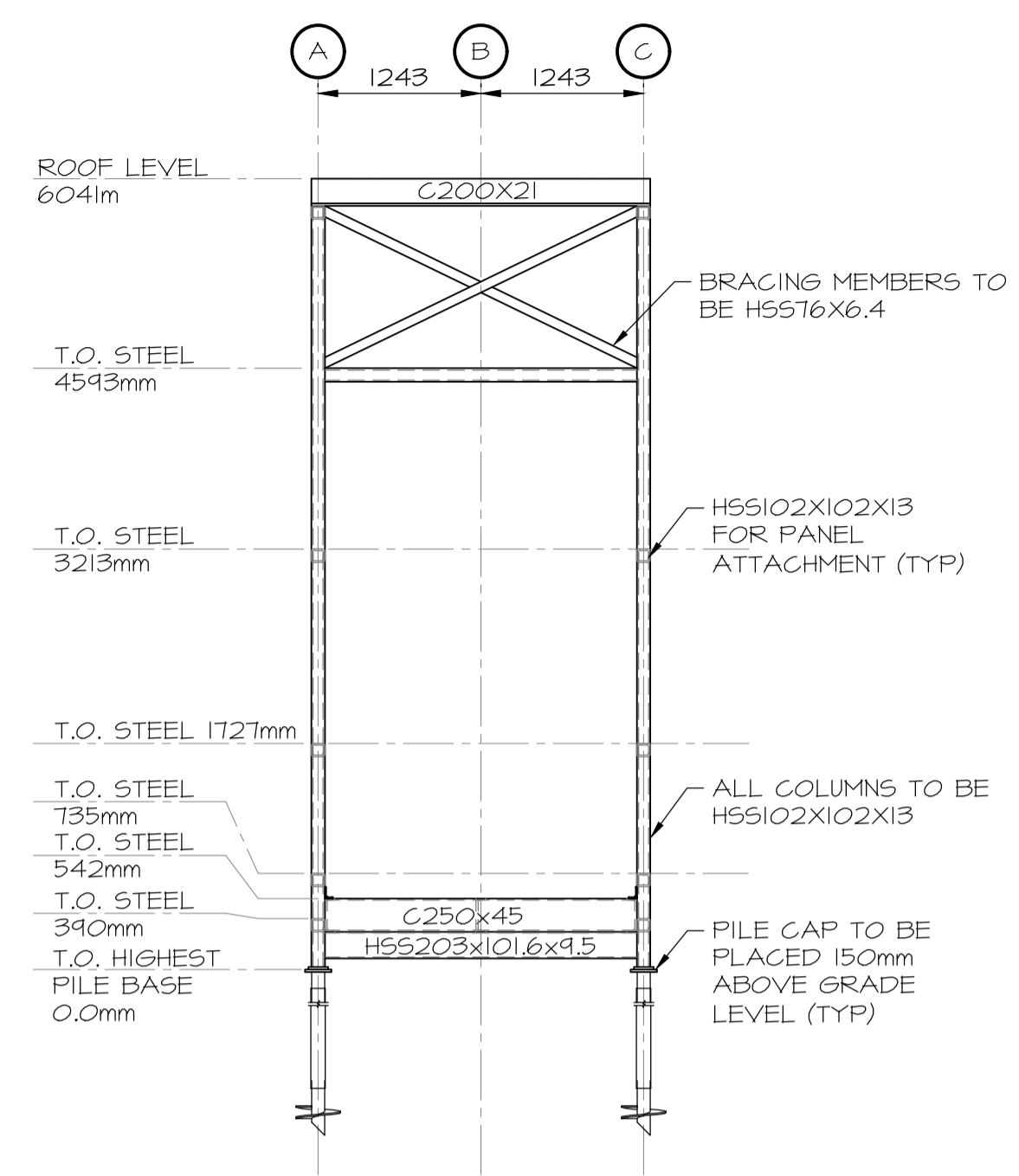
drawing no. S-101



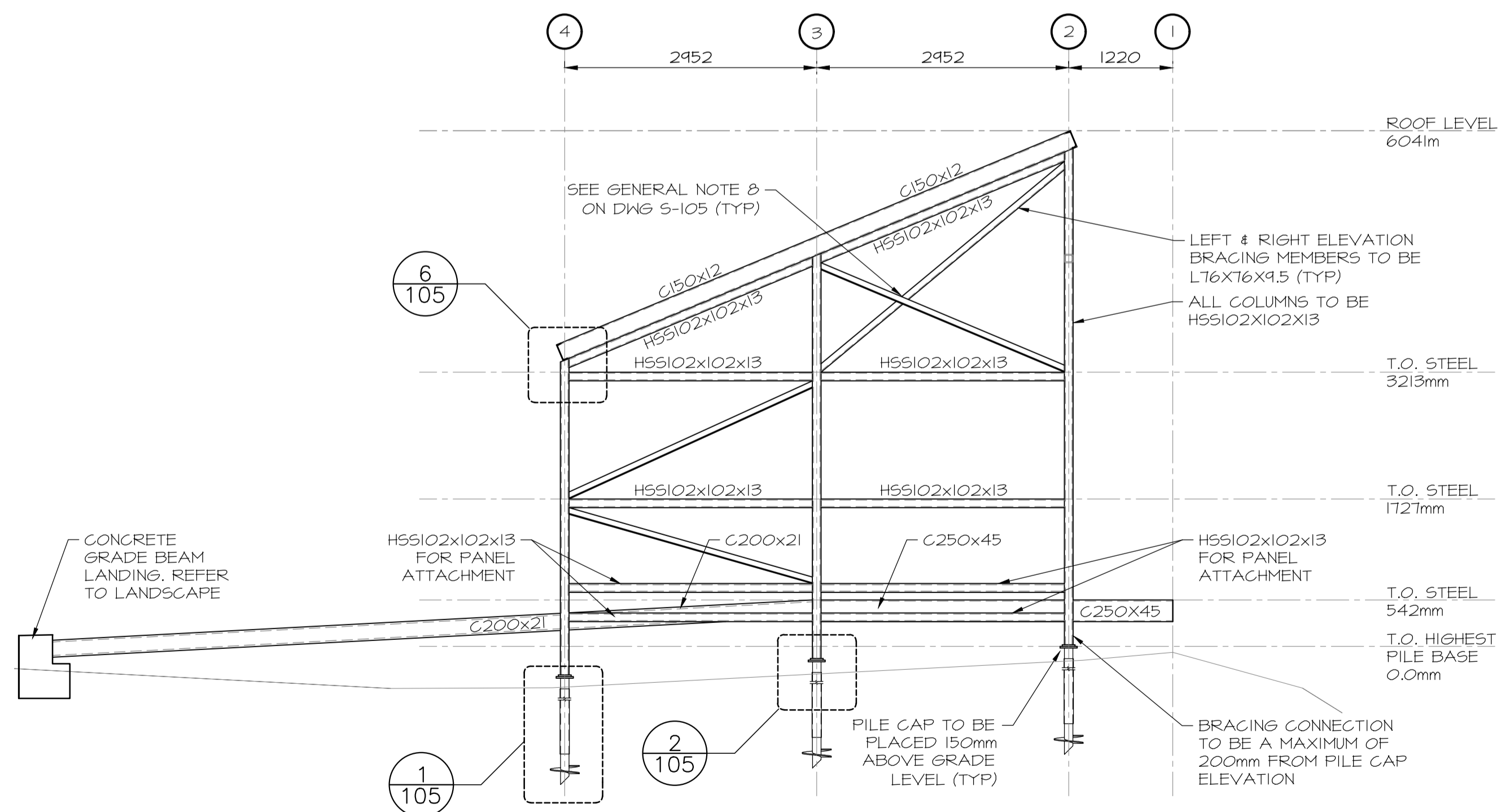
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
 This Permit Allows
 Amec Foster Wheeler
 Engineering & Construction
 To Carry Out Professional Engineering
 Work in Newfoundland & Labrador
 Permit No. 1154 issued PEGNL 0844
 which is valid to the 31st Dec 2015



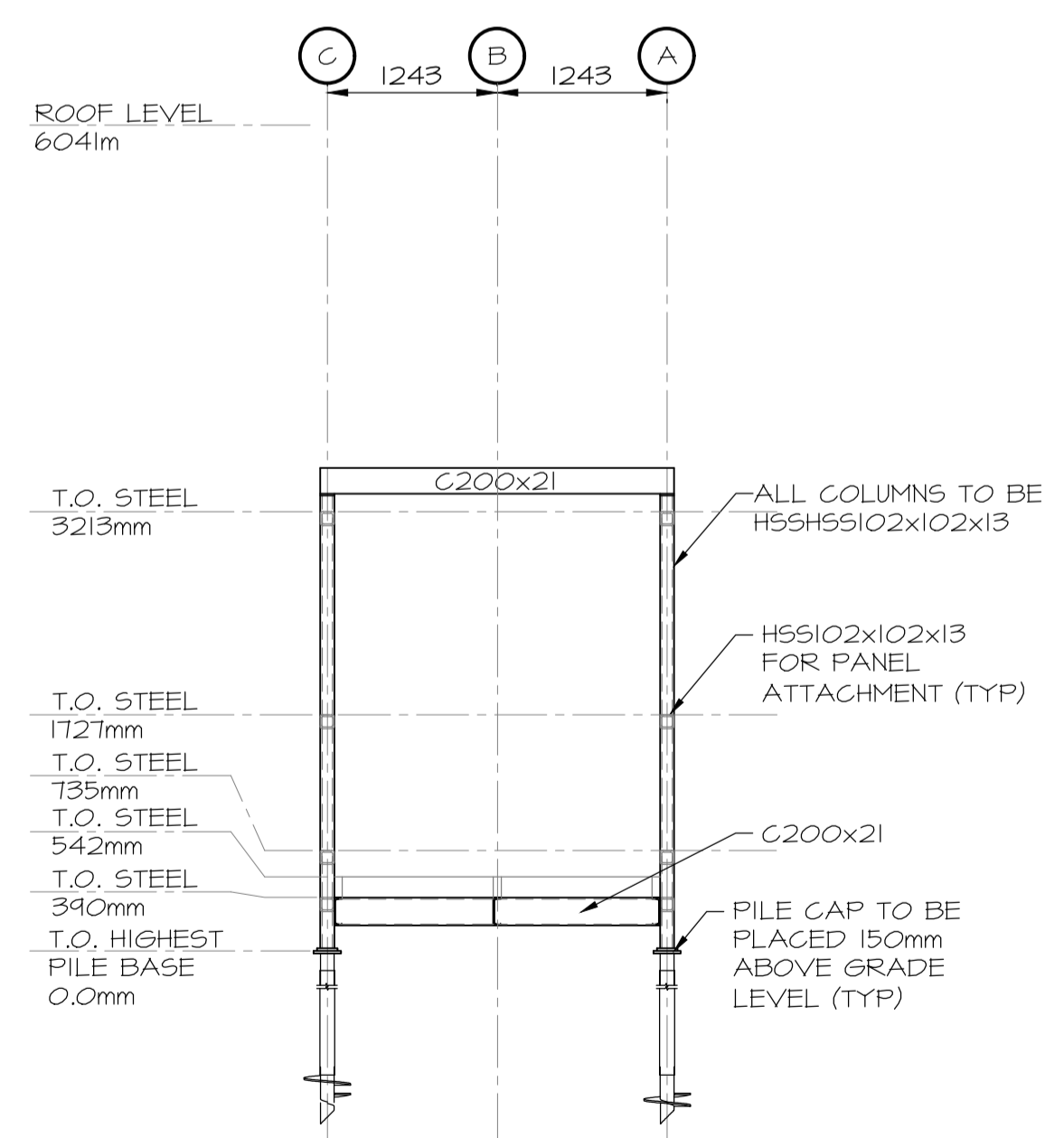
1 102 ELEVATION LEFT SIDE
 SCALE : 1:50



2 102 ELEVATION FRONT
 SCALE : 1:50



3 102 ELEVATION RIGHT SIDE
 SCALE : 1:50



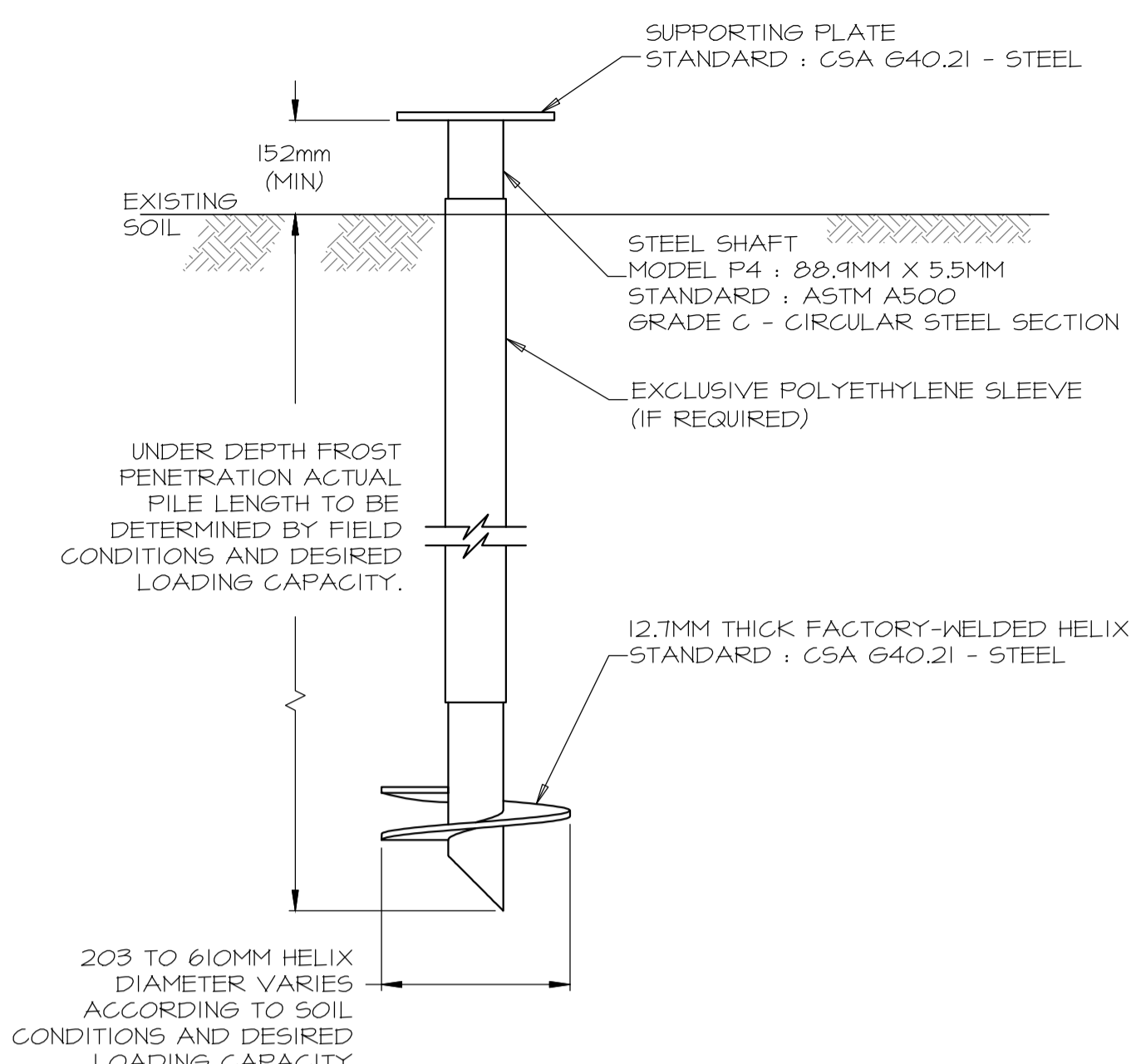
4 102 ELEVATION BACK
 SCALE : 1:50

1	ISSUED FOR TENDER	12/09/2016
0	ISSUED FOR REVIEW	09/16/2016
revisions		date

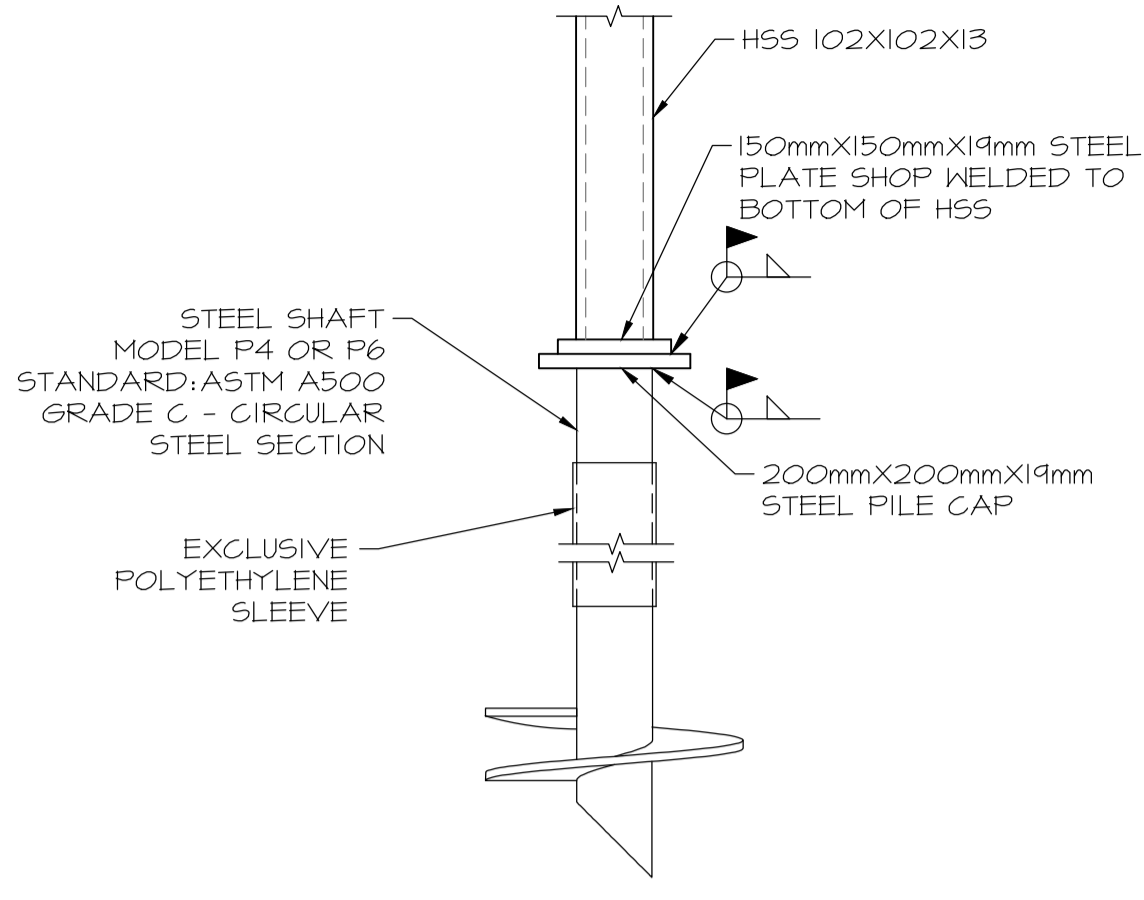
project TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing NORTH SITE LOOK OFF ELEVATIONS

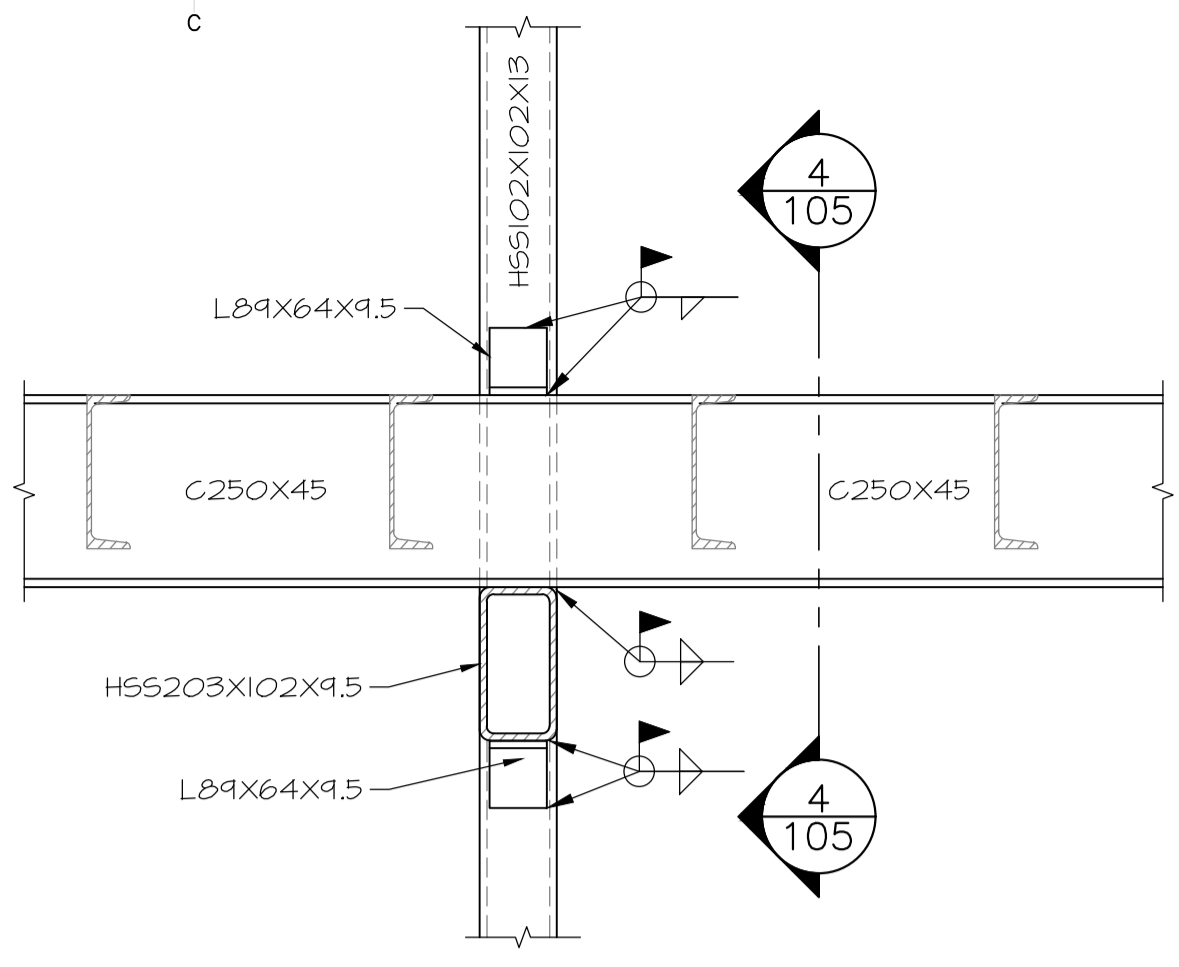
designed	INO	conçu
date	SEPT 26, 2016	
drawn	AN	dessiné
date	SEPT 26, 2016	
approved		approuvé
date		
Tender		Soumission
PWGC Project Manager	Administrateur de projets TPSGC	
project number	604	no. du projet
drawing no.	S-102	no. du dessin



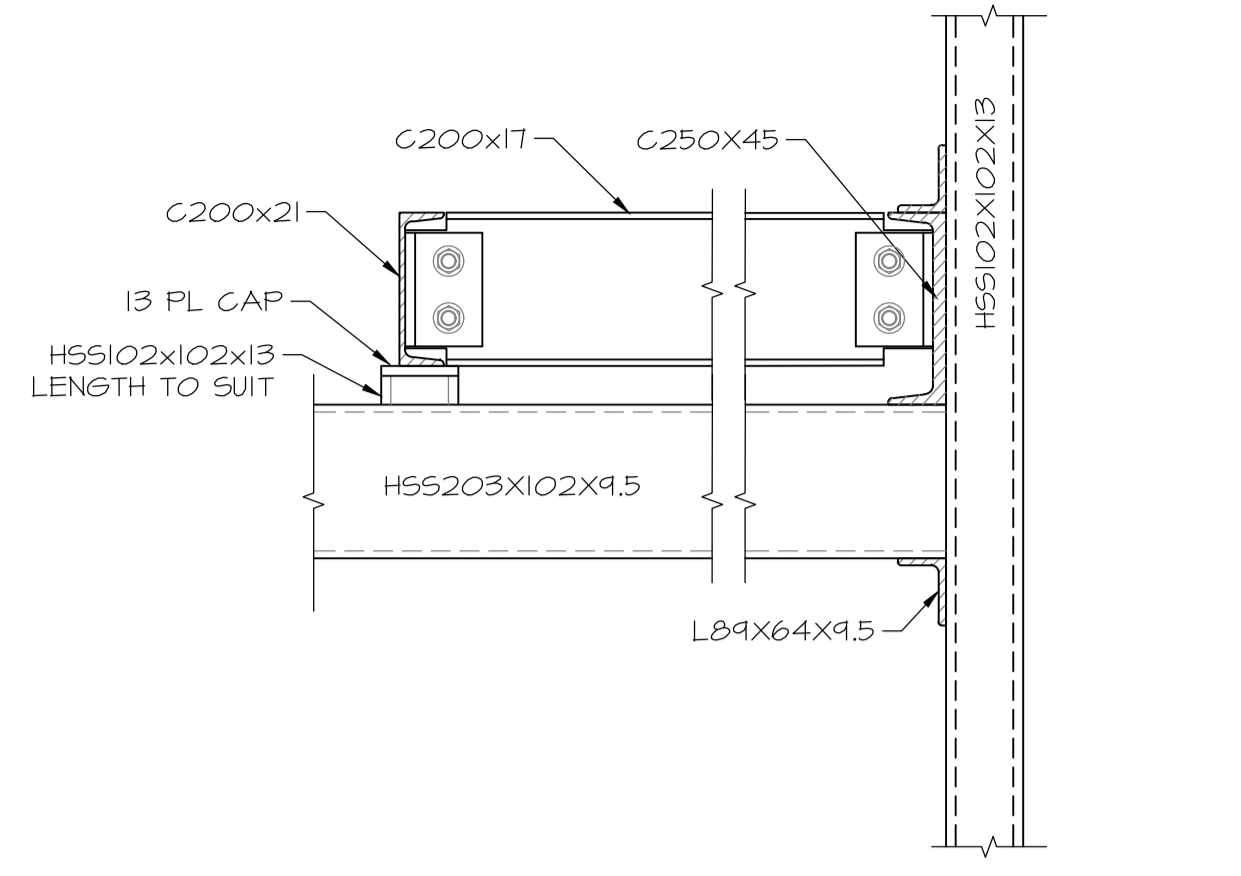
1 PILE DETAIL
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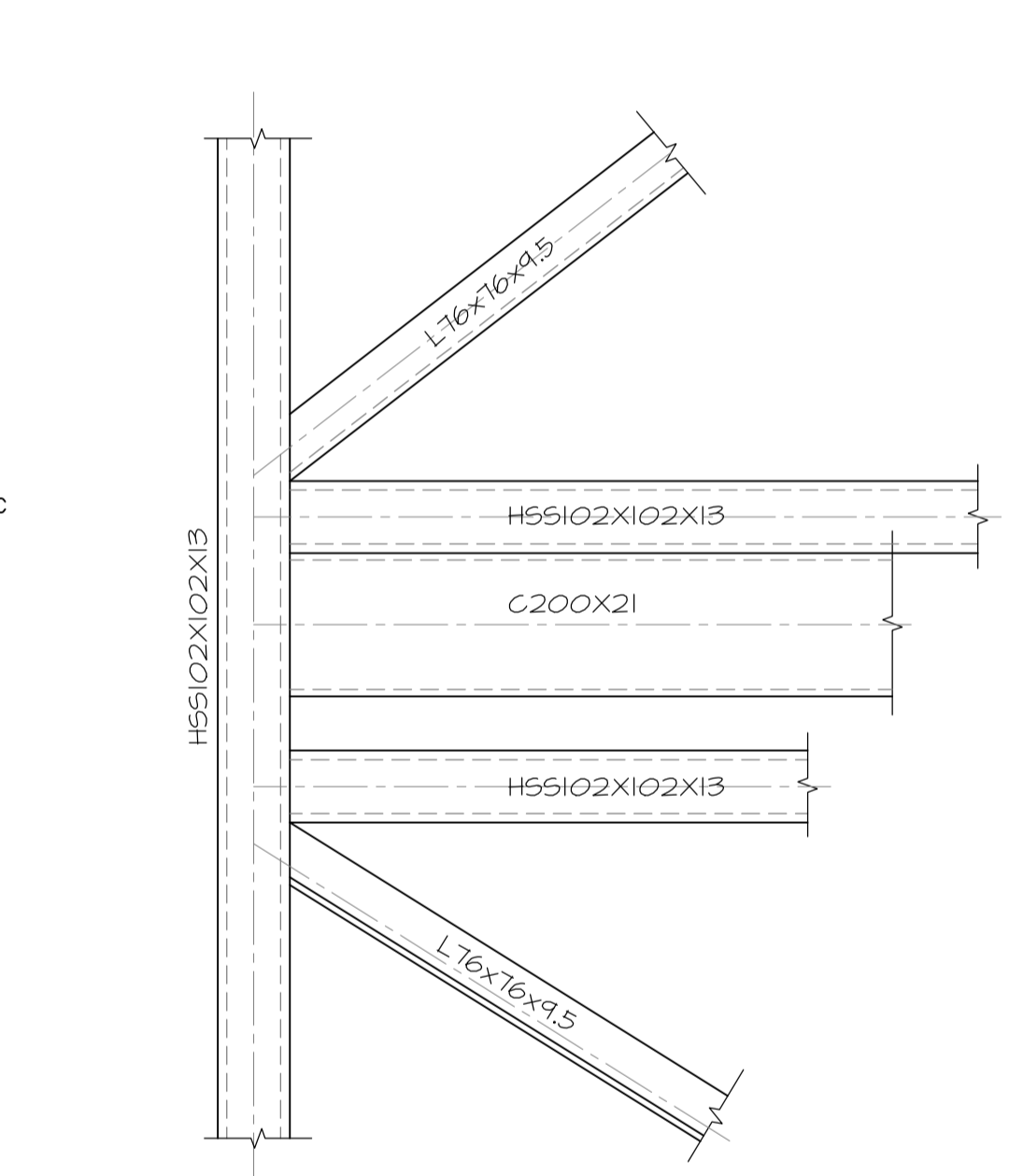
2 PILE DETAIL
 SCALE: 1:10
 0mm 100 200 300 400 500 600 700 800 900 1000mm



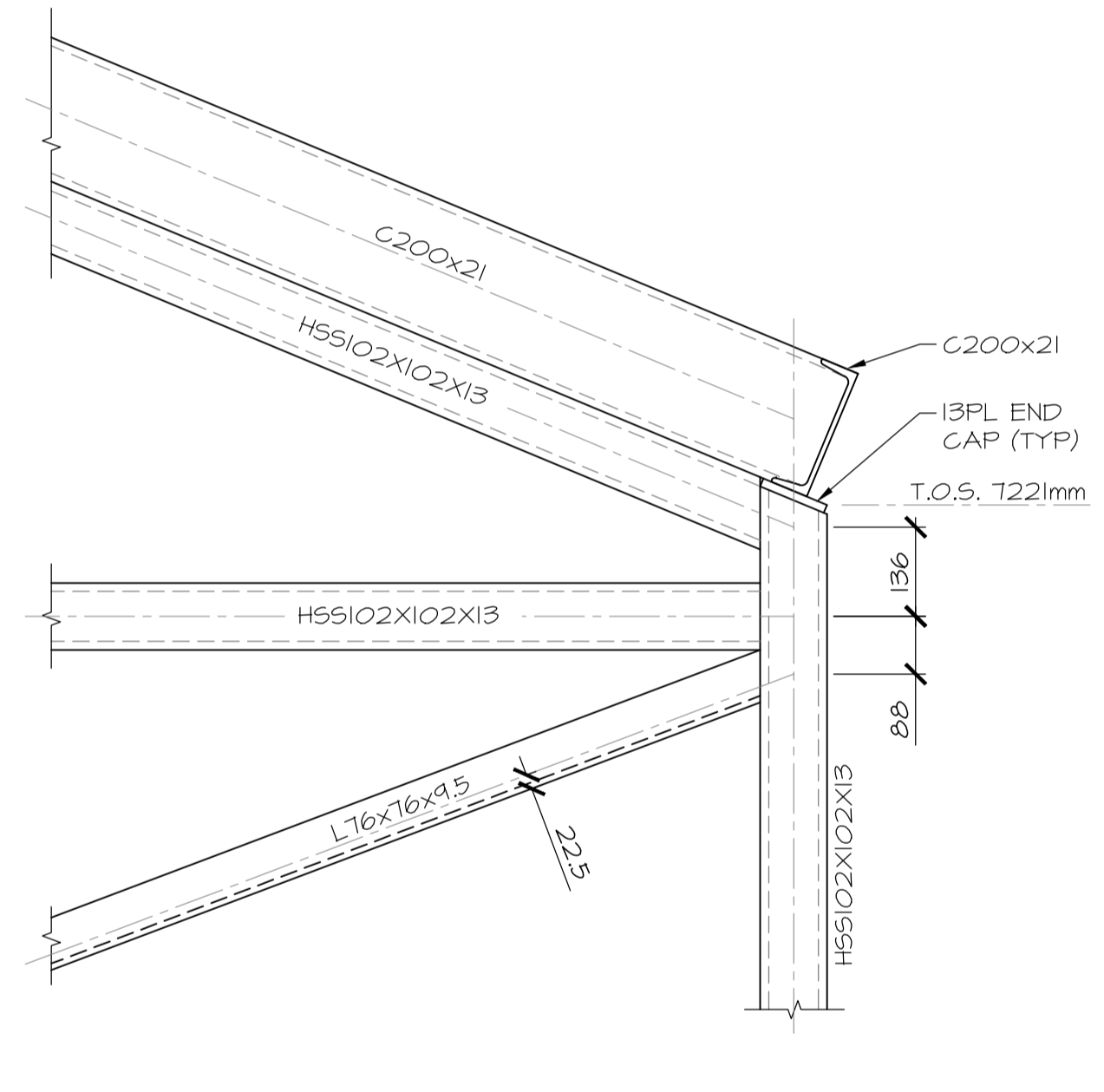
3 TYPICAL MOMENT CONNECTION
 SCALE: 1:10
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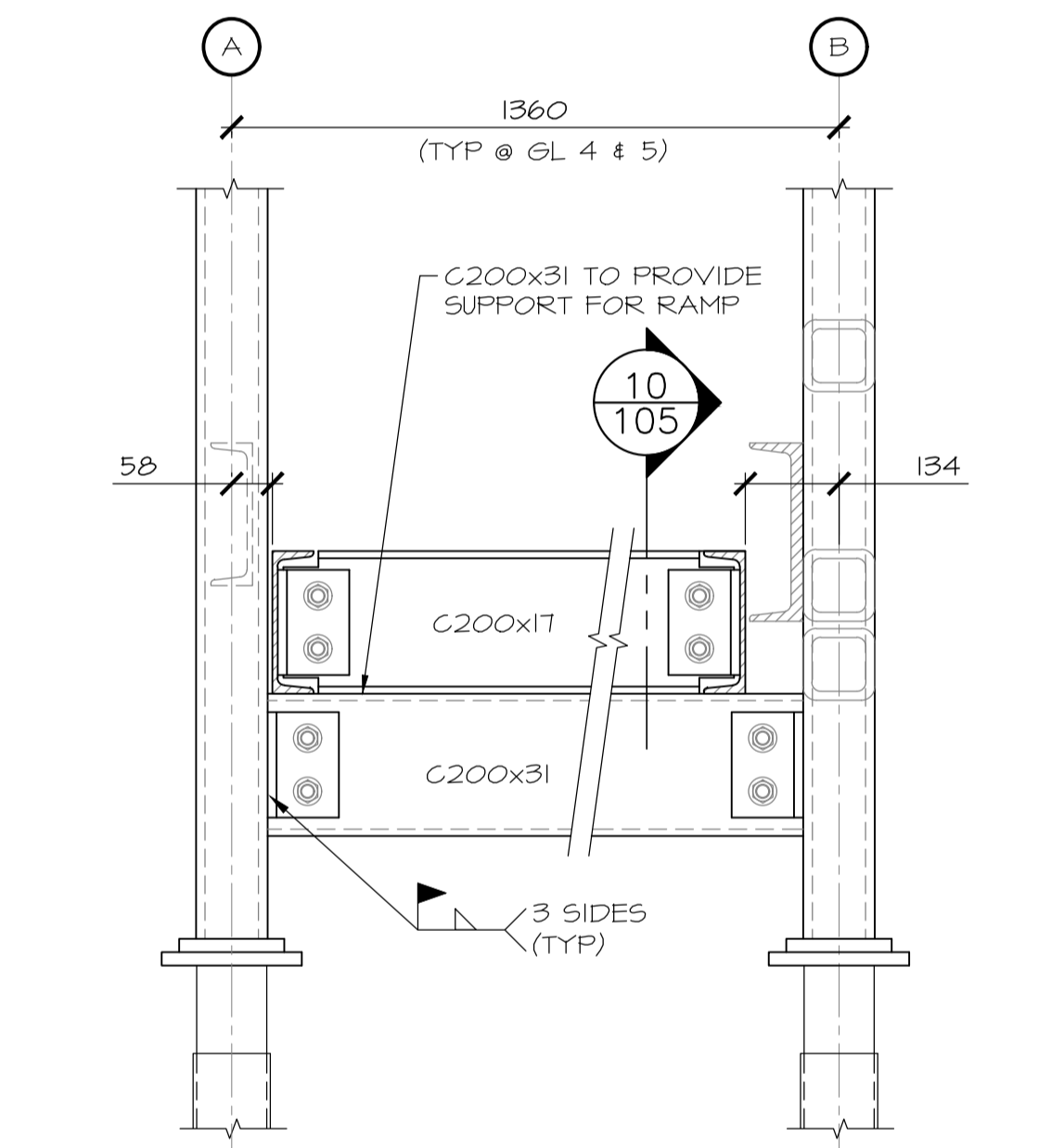
4 TYPICAL CONNECTION
 SCALE: 1:10
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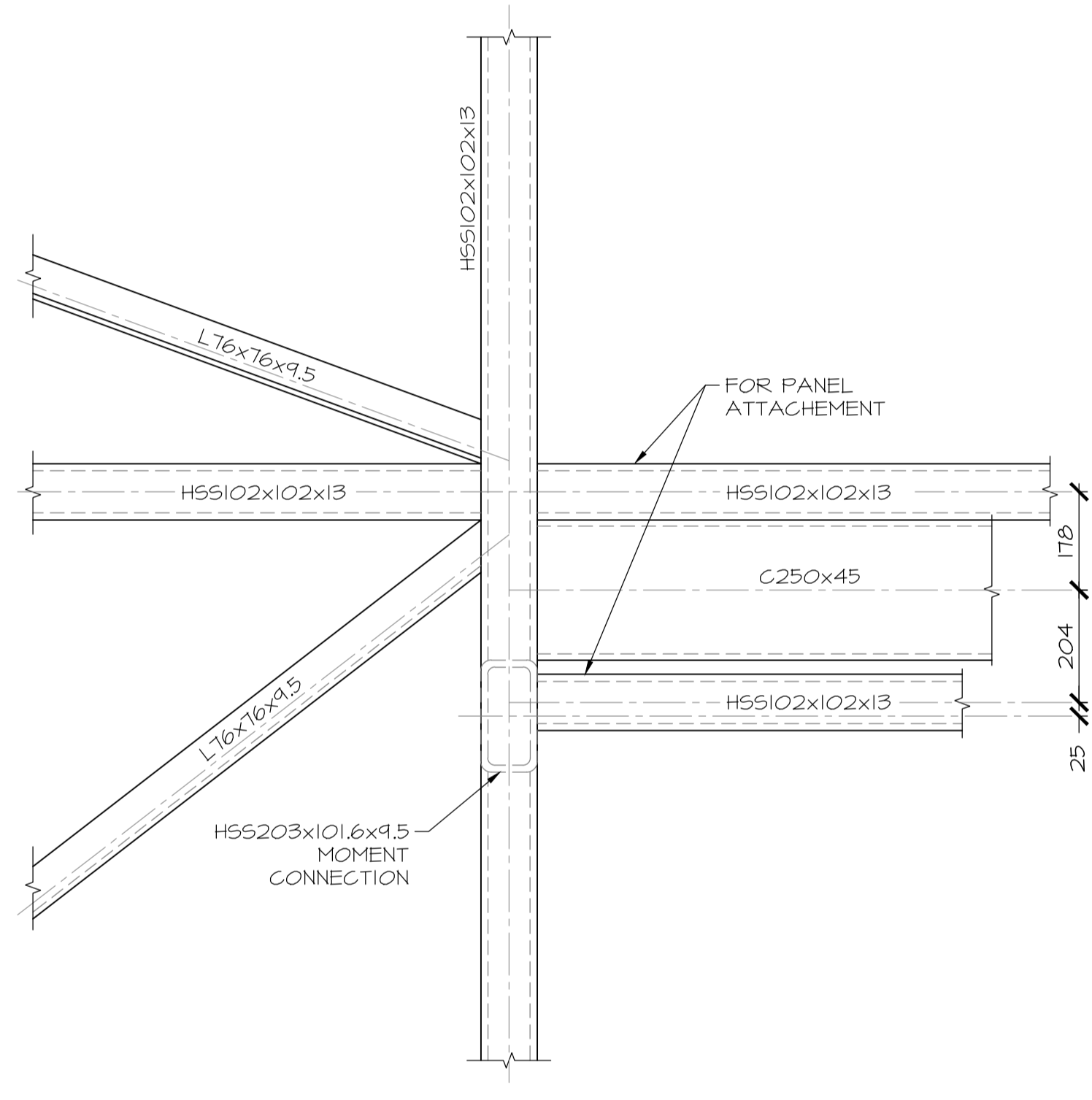
5 TYPICAL CONNECTION
 SCALE: 1:10
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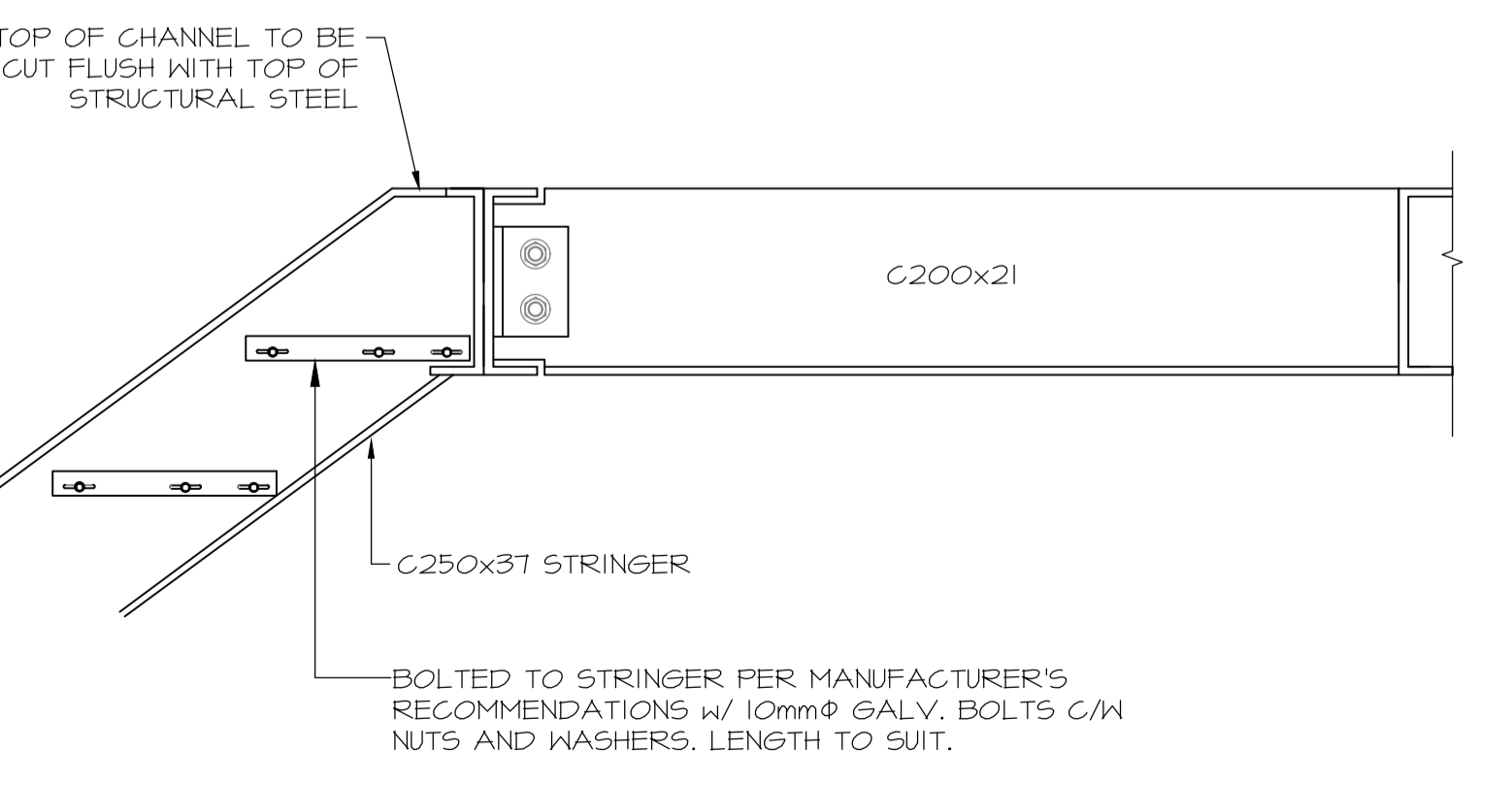
6 TYPICAL CONNECTION
 SCALE: 1:10
 0mm 100 200 300 400 500 600 700 800 900 1000mm



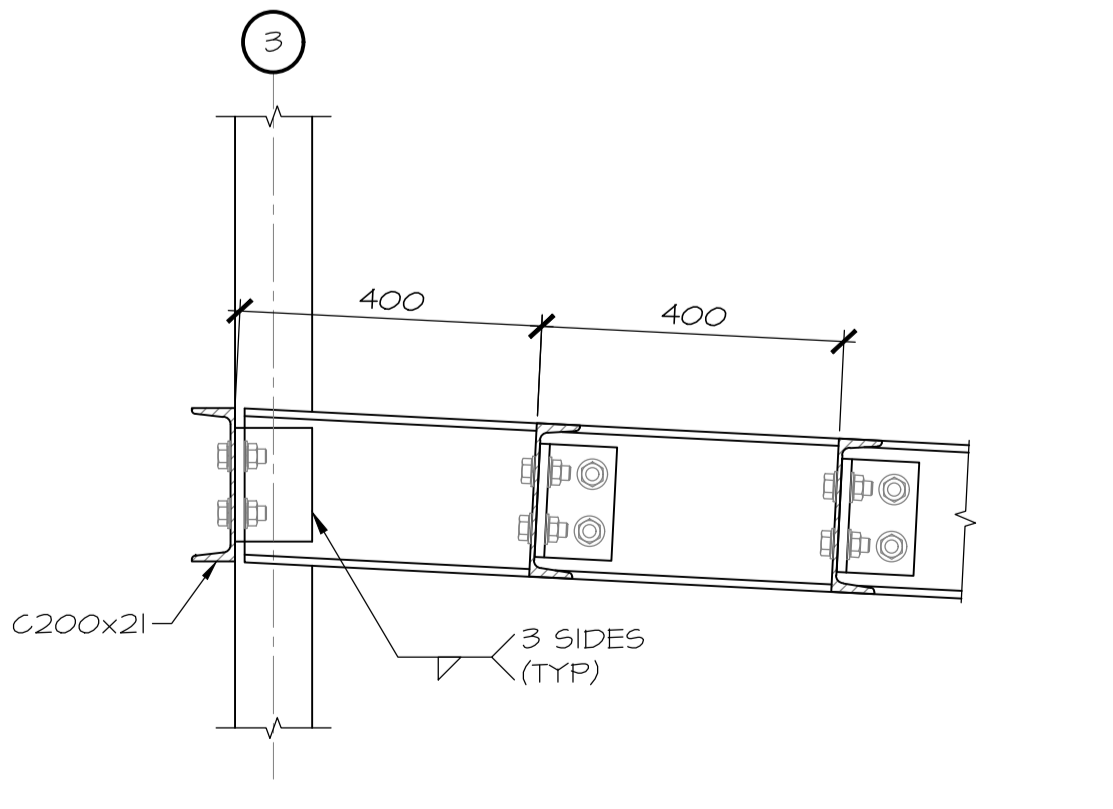
7 RAMP SUPPORT DETAIL
 SCALE: 1:10
 0mm 100 200 300 400 500 600 700 800 900 1000mm



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



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



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

- STRUCTURAL STEEL NOTES:
- ALL STRUCTURAL STEEL COMPONENTS SHALL BE GALVANIZED BY MANUFACTURER. (SEE SPECIFICATIONS FOR COATING DETAILS)
 - ALL WELDED CONNECTIONS TO BE DESIGNED FOR APPLICABLE LOADS BY CONNECTION ENGINEER.
 - ALL WELDING TO CONFORM TO CSA W59. WELDERS CERTIFIED TO CSA W47.1.
 - ALL BOLTED CONNECTIONS TO BE DESIGNED FOR FULL SHEAR RESISTANCE OF MEMBER
 - ALL GALVANIZING TO BE GROUND OFF PRIOR TO FIELD WELDING AND TOUCHED UP BEFORE PROJECT COMPLETION.
 - STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 350N, CLASS H FOR H55 SECTIONS.
 - ROOF SNOWLOAD = 2.8kPa.
 - ALL DIAGONAL BRACING SHALL HAVE ALL BACK LEGS WELDED AS REQ'D

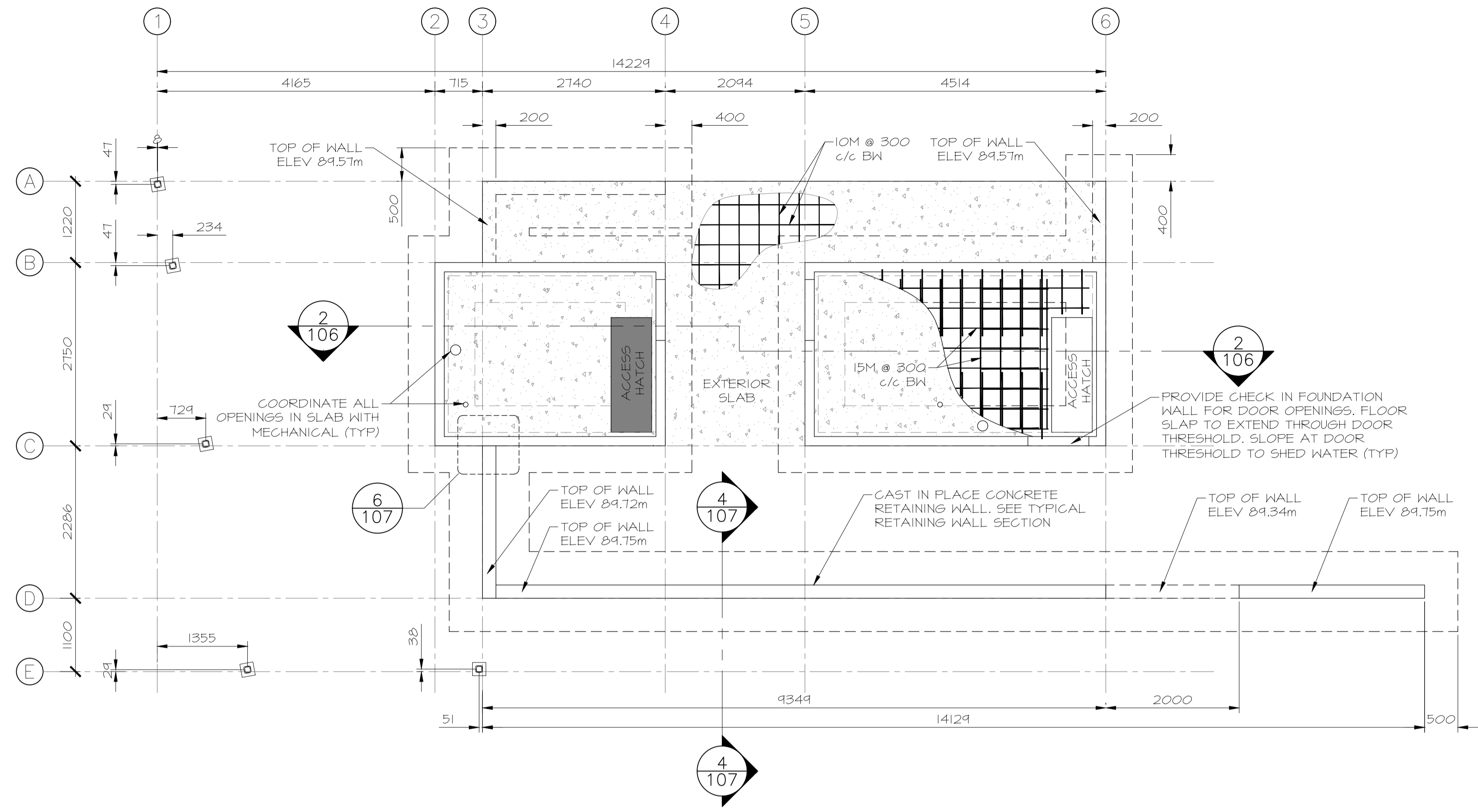
1	ISSUED FOR TENDER	12/09/2016
0	ISSUED FOR REVIEW	09/16/2016
revisions		date
project		projct

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

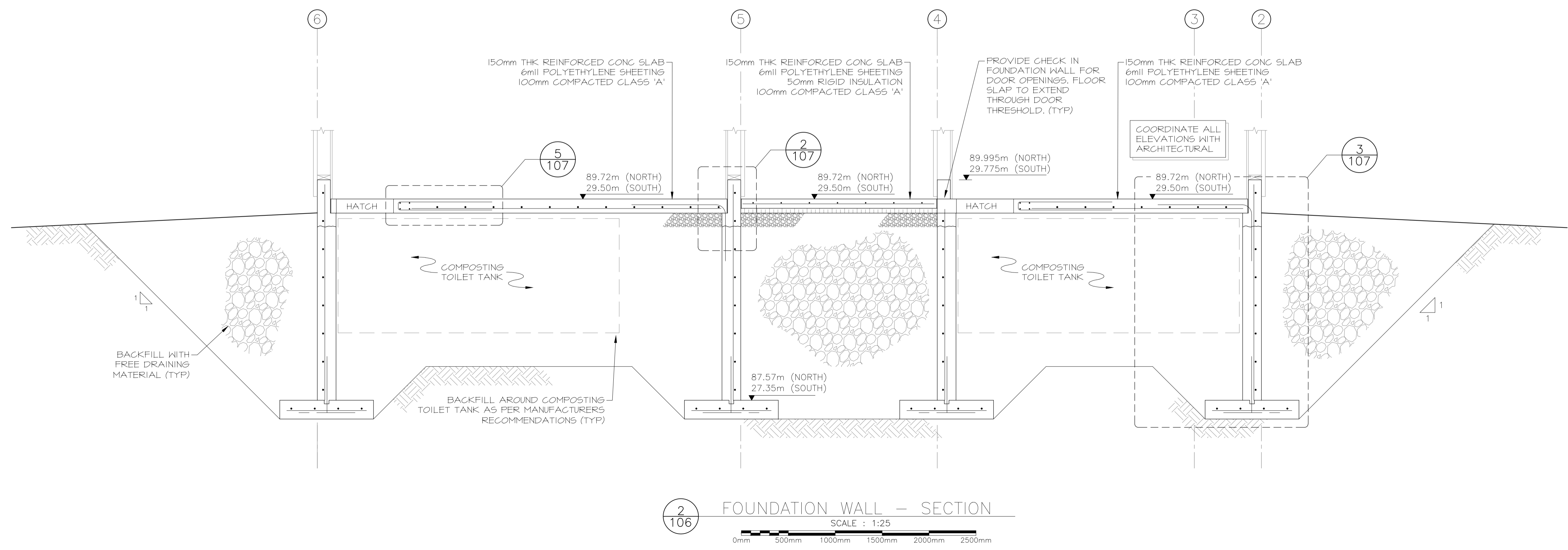
designed	INO	conçu
date	SEPT 26, 2016	
drawn	AN	dessiné
date	SEPT 26, 2016	
approved		approuvé
date		
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSCG	
project number	604	no. du projet
drawing no.	S-105	no. du dessin



PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEG
 PERMIT HOLDER
 This Permit Allows
 Anne Foster Wheeler
 E.I.T. (Professional Engineer)
 Client: amec foster wheeler
 To: Terra Nova National Park
 Permit No: 15-106-16-001
 wh/15/106/16-001



1
106 NORTH PAVILION FOUNDATION PLAN
 SCALE : 1:50
 0m 1m 2m 3m 4m 5m



2	ISSUED FOR TENDER	12/09/2016
1	ISSUED FOR REVIEW	09/19/2016
revisions		date

project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT
 projet

drawing
NORTH PAVILION PLAN & SECTION
 dessin

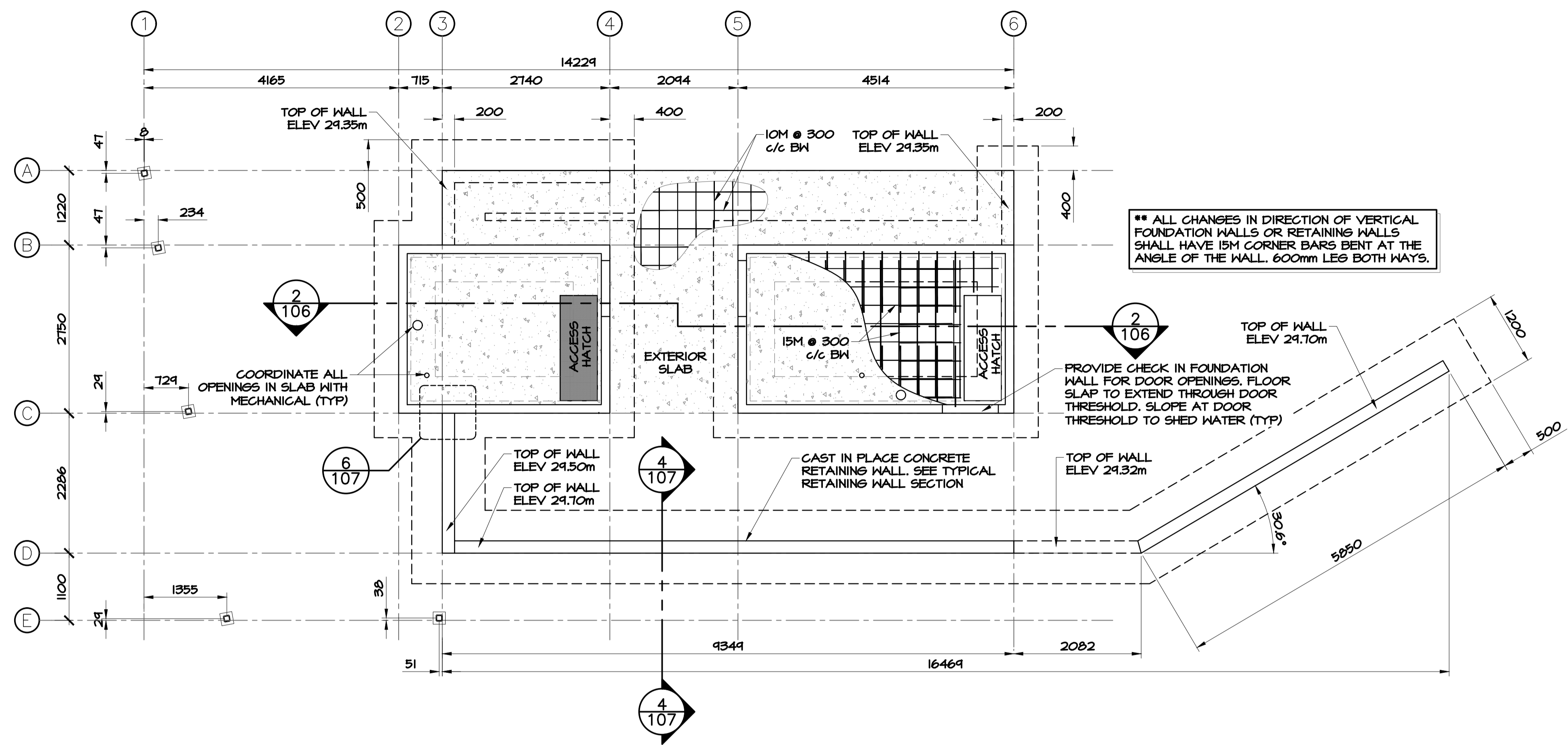
designed INO
 date SEPT 26, 2016
 drawn CG
 date SEPT 26, 2016
 approved
 date
 Tender
 PWGSC Project Manager
 project number
 drawing no.

conçu
 dessin
 approuvé
 Soumission
 Administrateur de projets TPSGC
 no. du projet
 no. du dessin

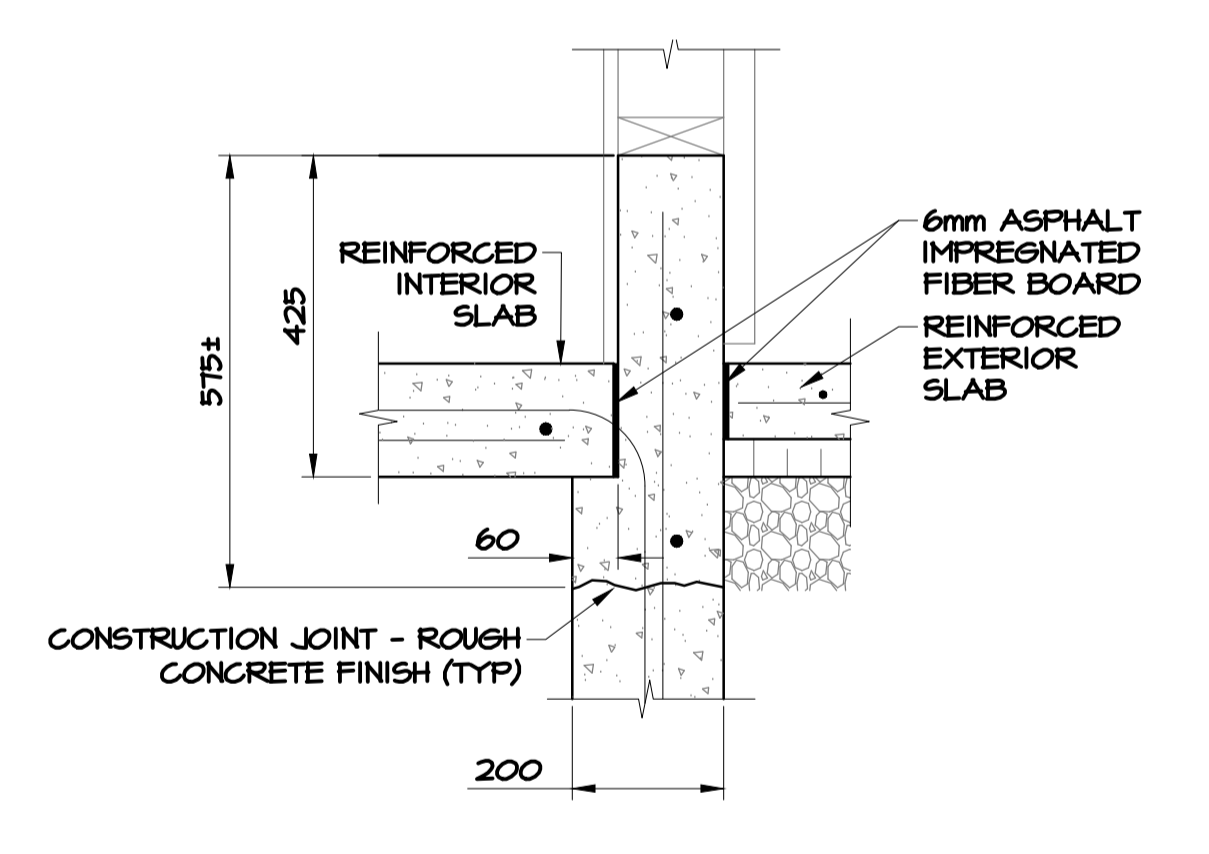
S-106



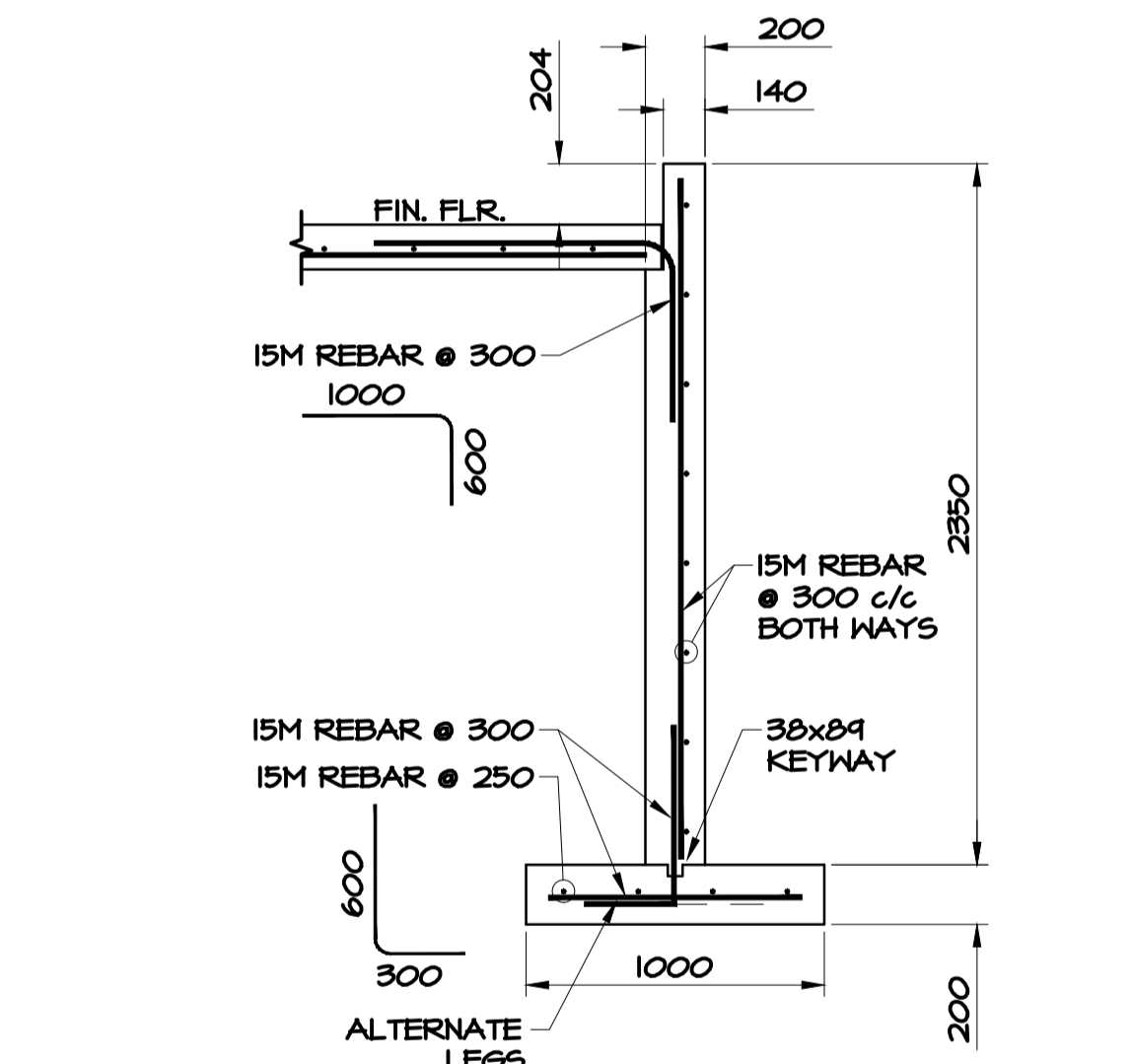
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEG
 PERMIT HOLDER
 This Permit Allows
 Amec Foster Wheeler
 To Practice Professionally in the Province of Newfoundland and Labrador
 Permit No. 1151 issued 11/11/2015



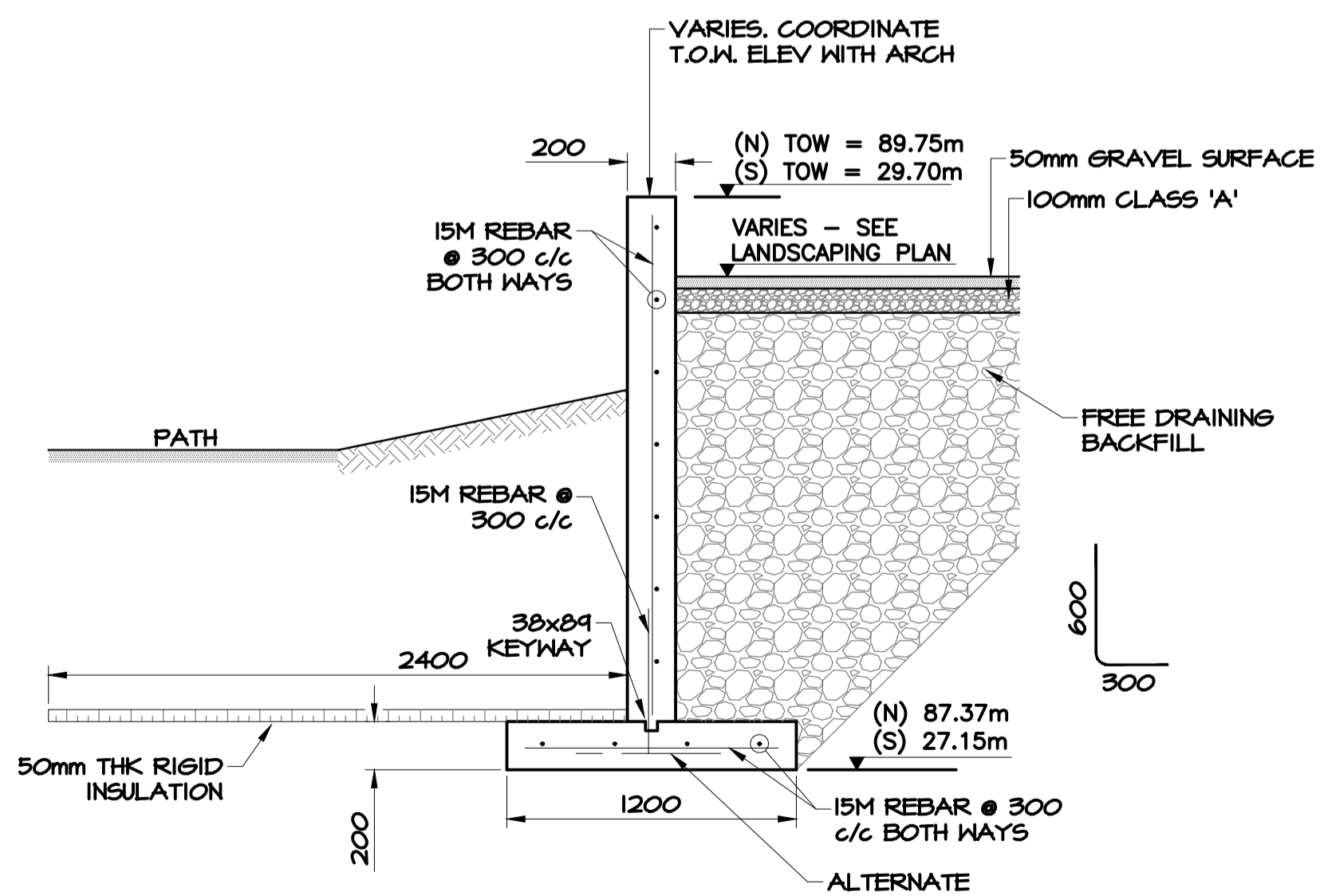
1 SOUTH PAVILION FOUNDATION PLAN
 SCALE : 1:50



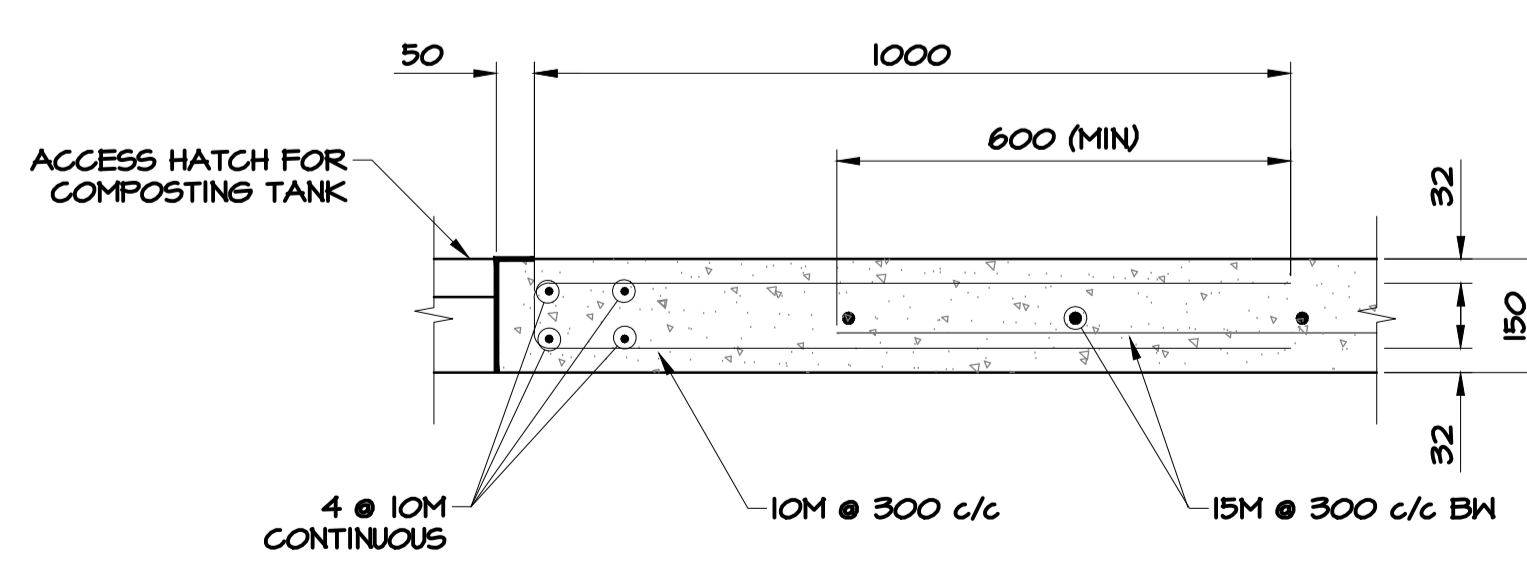
2 TOP OF FOUNDATION WALL
 SCALE : 1:10



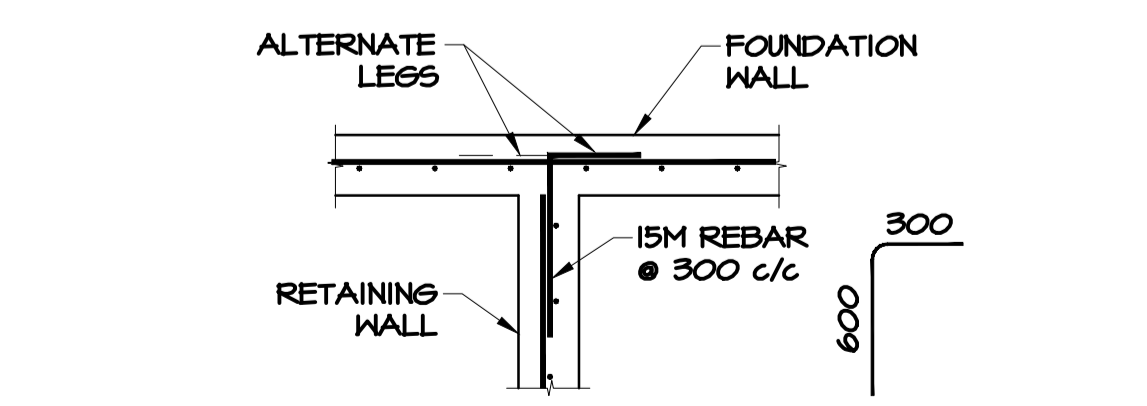
3 FOUNDATION WALL - SECTION
 SCALE : 1:25



F RETAINING WALL - SECTION
 SCALE : 1:25



5 SLAB REINFORCEMENT AT HATCH
 SCALE : 1:10



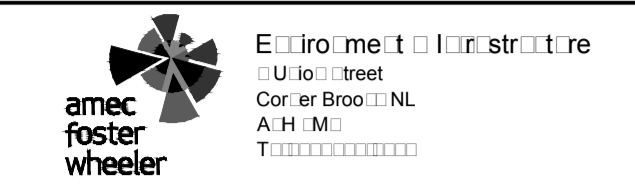
6 RET. WALL TO FOUNDATION WALL
 SCALE : 1:25

2	ISSUED FOR TENDER	12/09/2016
1	ISSUED FOR REVIEW	09/19/2016
revisions		date

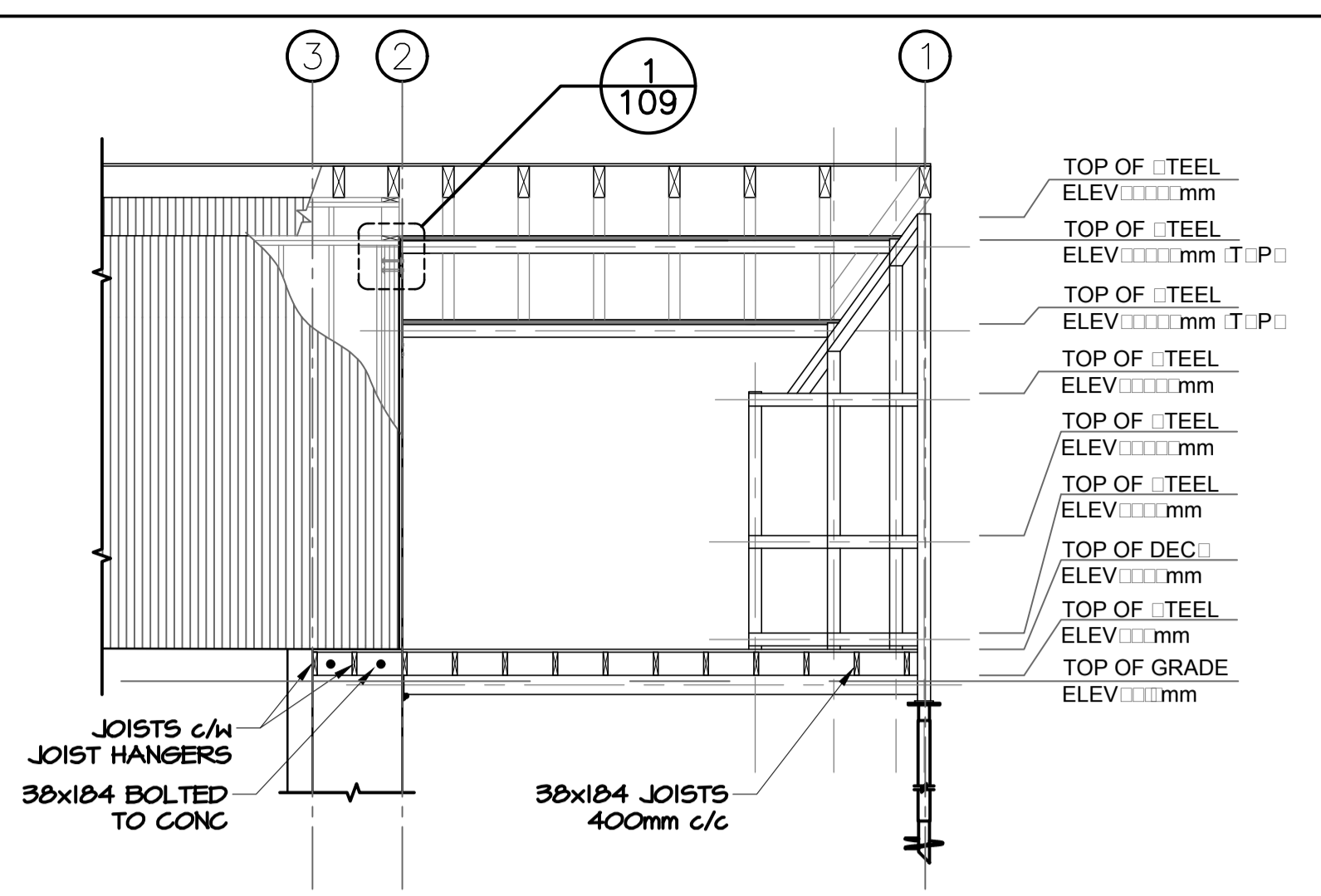
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing
SOUTH PAVILION PLAN & DETAILS

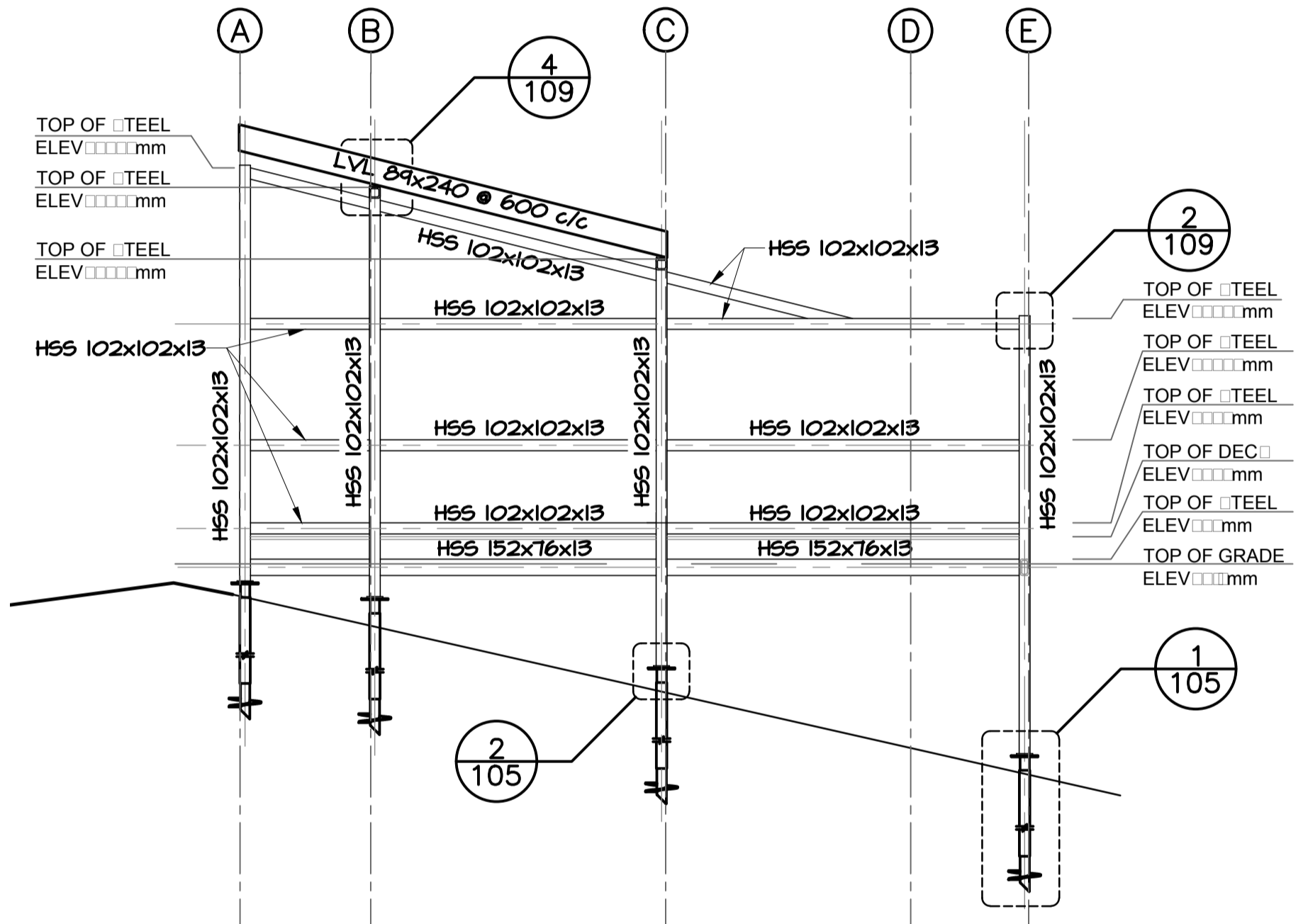
designed	INO	conçu
date	SEPT 26, 2016	
drawn	CG	dessiné
date	SEPT 26, 2016	
approved		approuvé
date		
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
drawing no.	S-107	no. du dessin



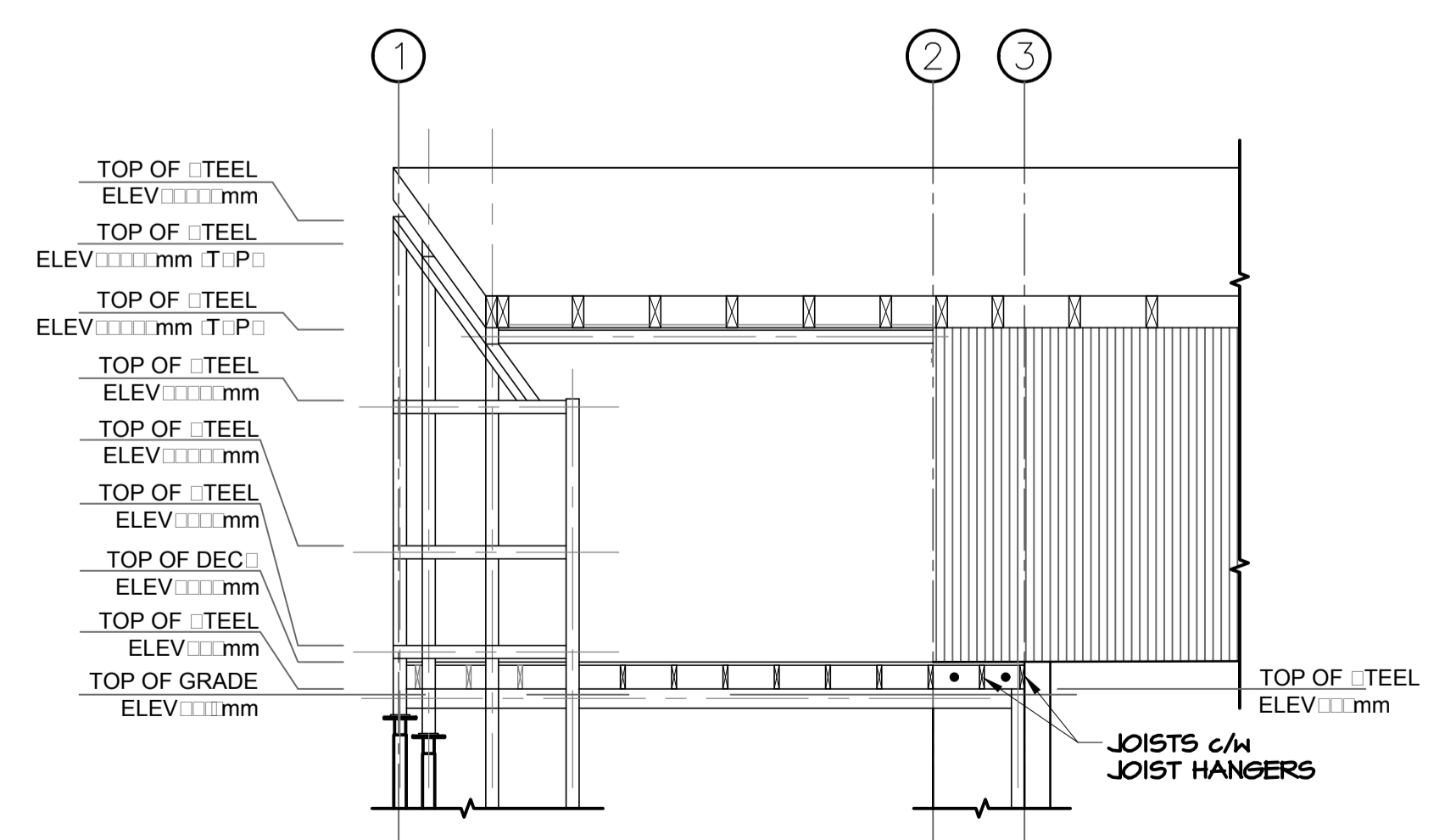
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEG
 PERMIT HOLDER
 This Permit Allows
 Anne Foster Wheeler
 Engineer
 To: Terra Nova National Park Entrance Rehabilitation Project
 Permit No. 1515-2016



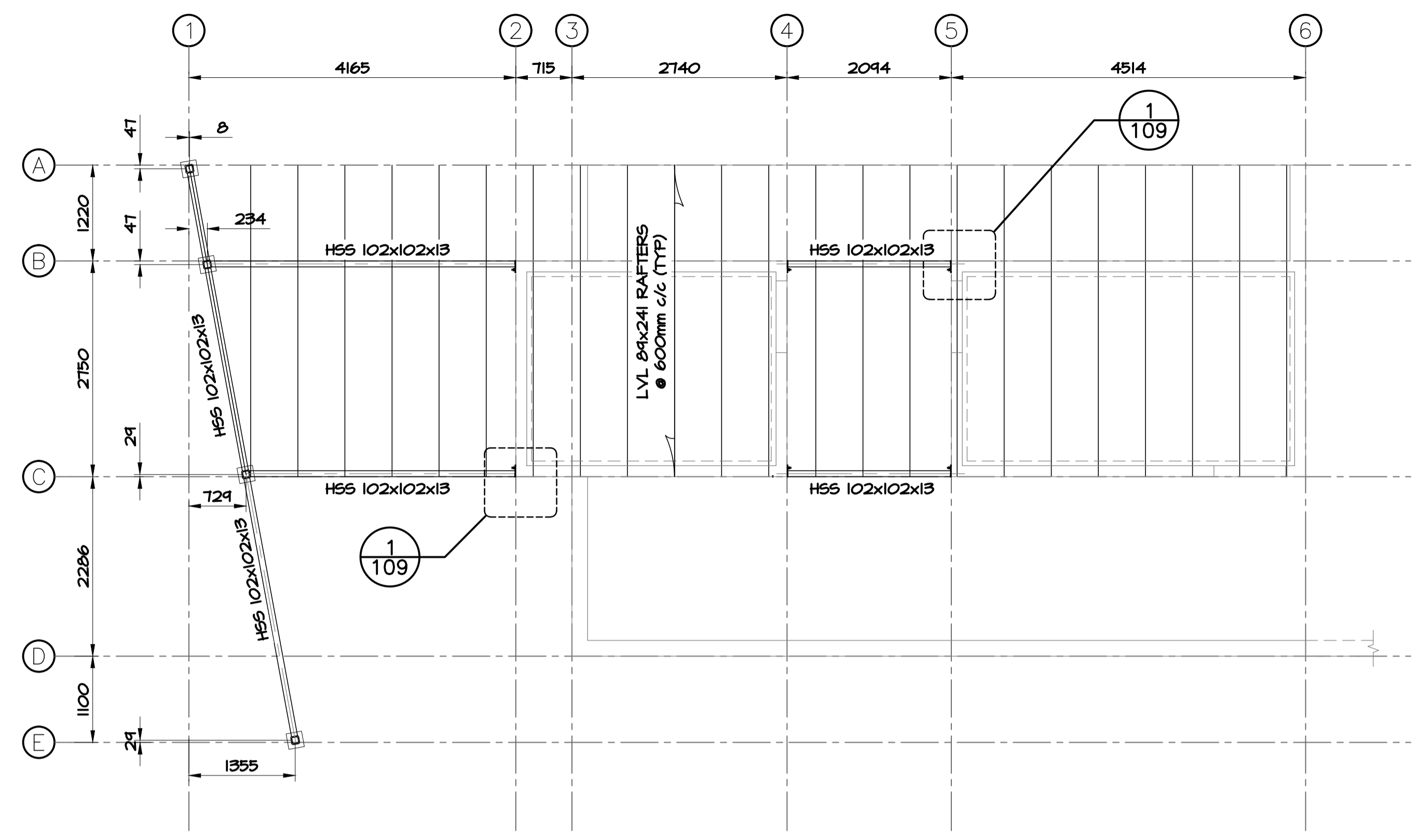
3
108
TYPICAL STRUCTURAL - NORTH ELEV.
SCALE: 1:50



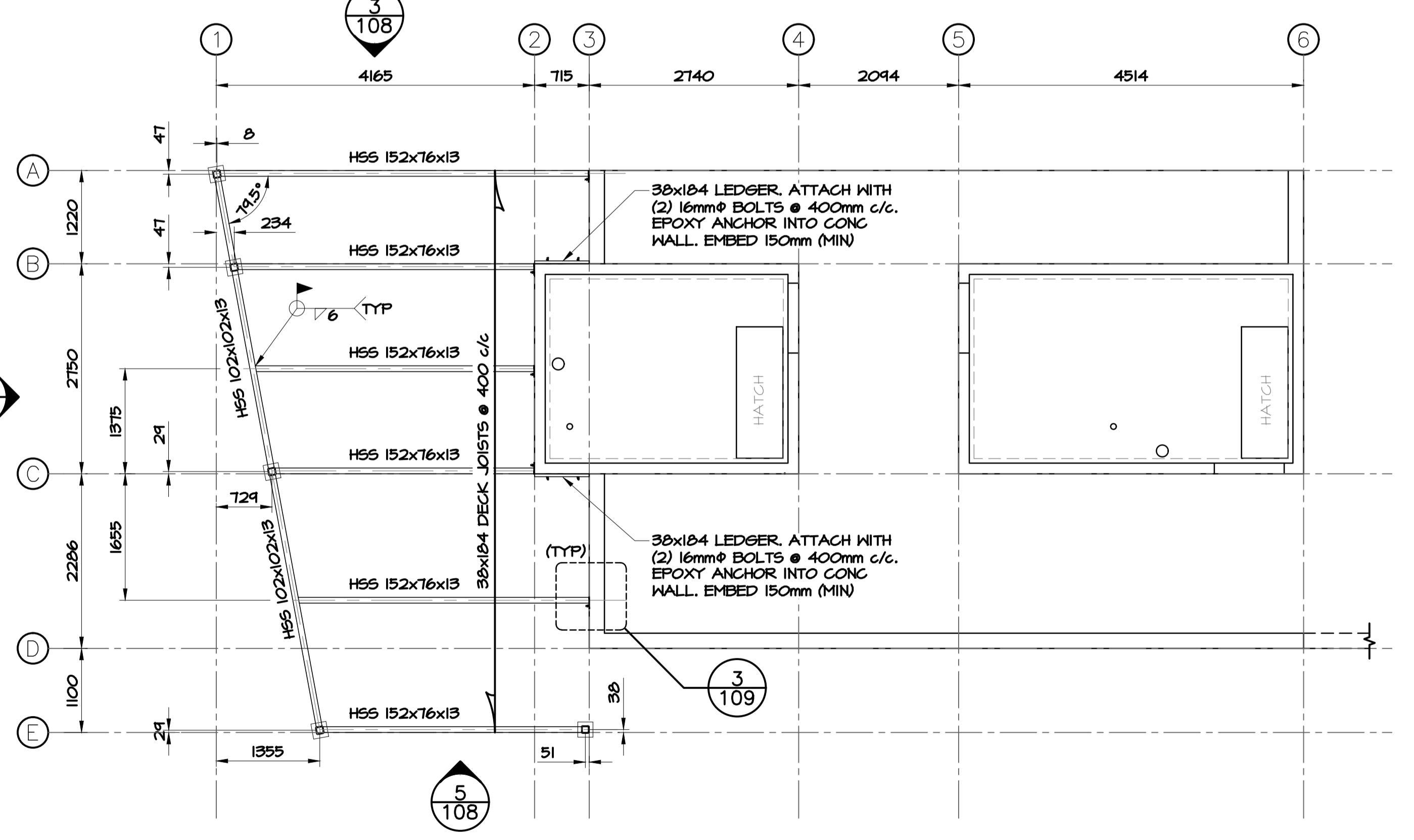
4
108
TYPICAL STRUCTURAL - WEST ELEV.
SCALE: 1:50



5
108
TYPICAL STRUCTURAL - SOUTH ELEV.
SCALE: 1:50



1
108
TYPICAL ROOF STRUCTURAL
SCALE: 1:50



2
108
TYPICAL DECK STRUCTURAL
SCALE: 1:50

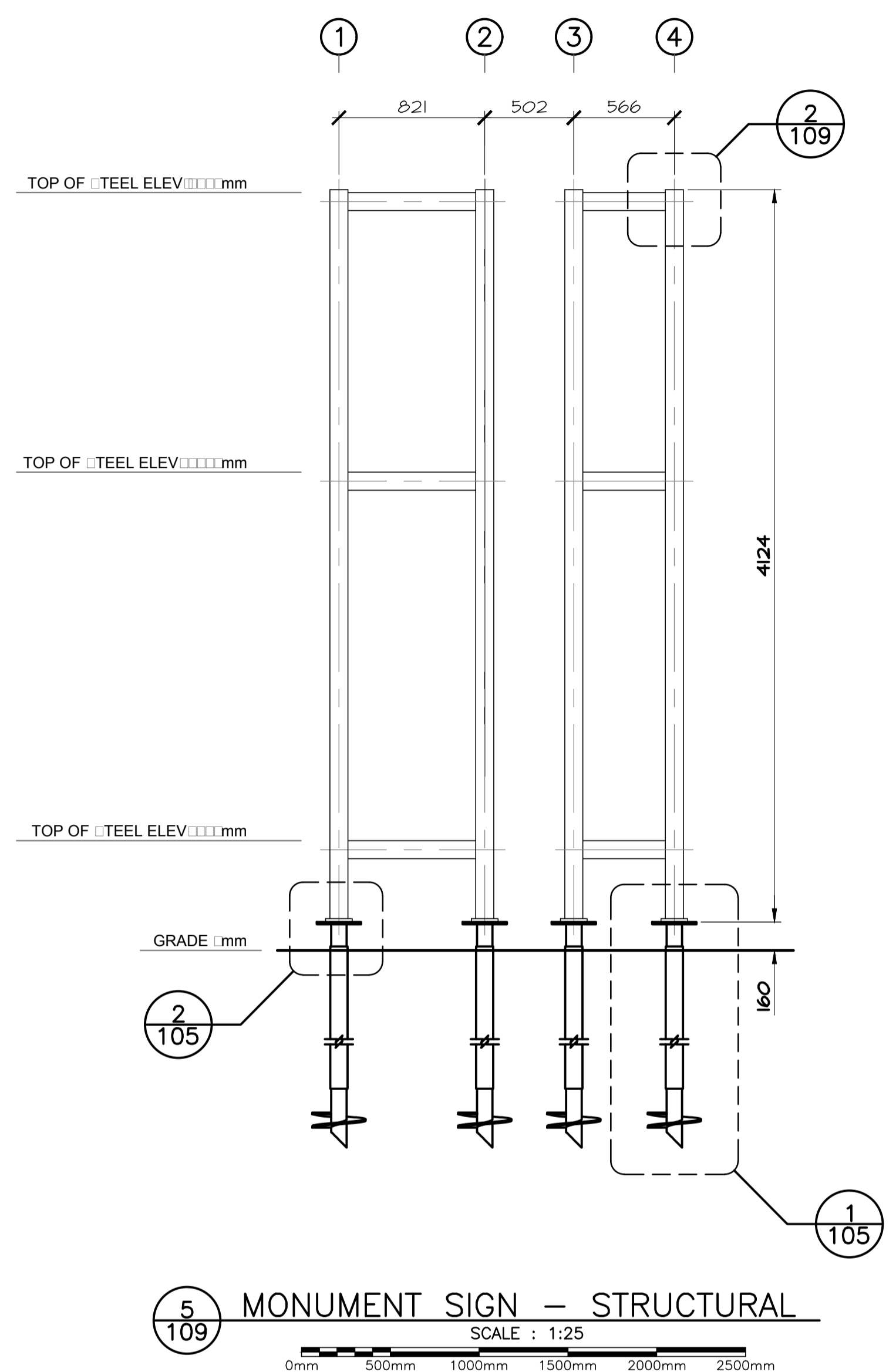
2	ISSUED FOR TENDER	12/09/2016
1	ISSUED FOR REVIEW	09/19/2016
revisions		date

project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT
 project

drawing
PAVILION STRUCTURAL PLANS & ELEVATIONS
 dessin

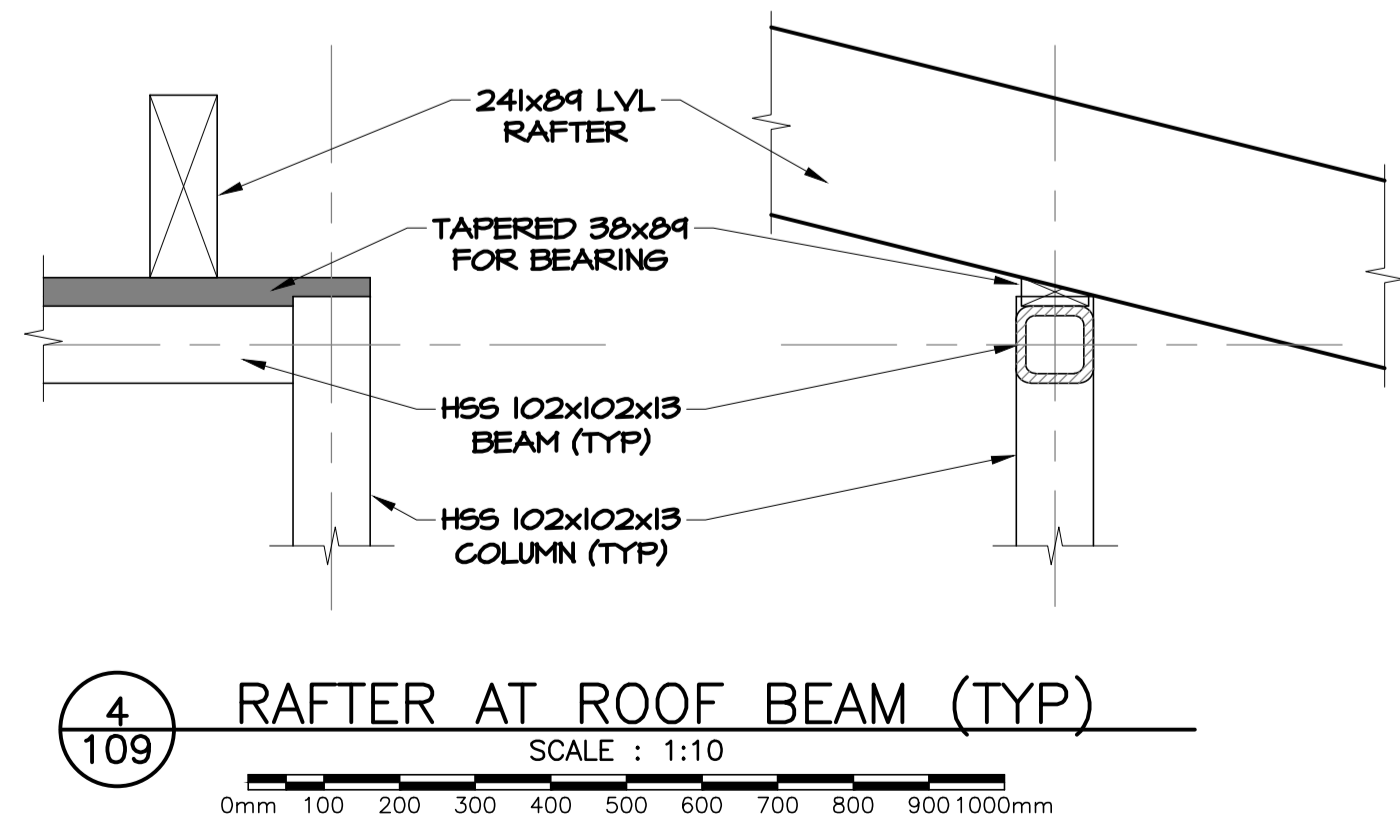
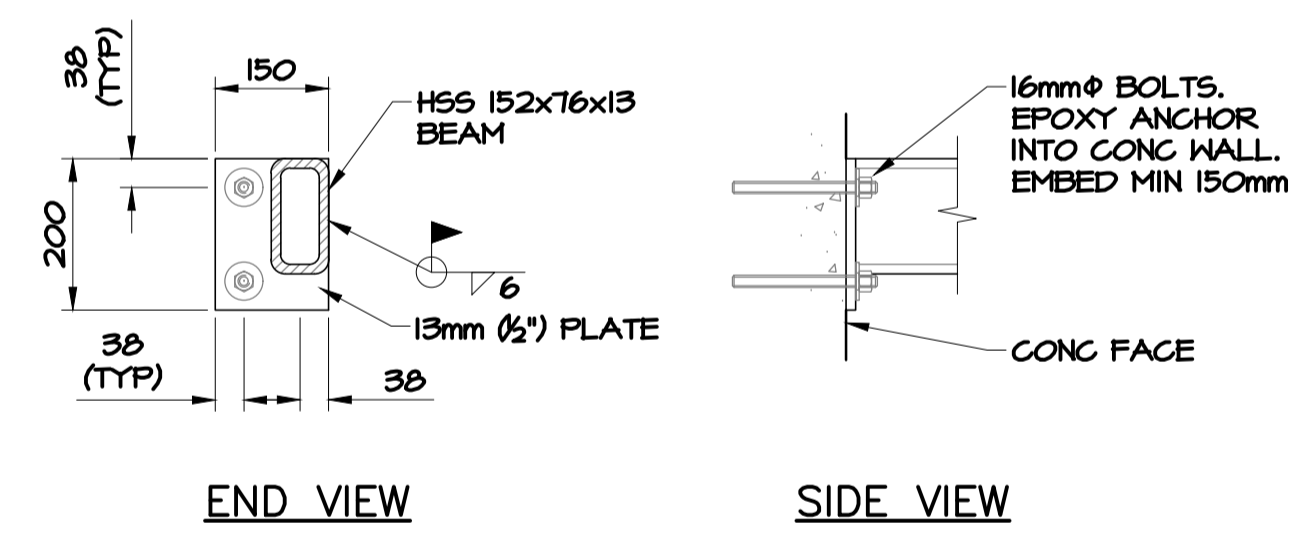
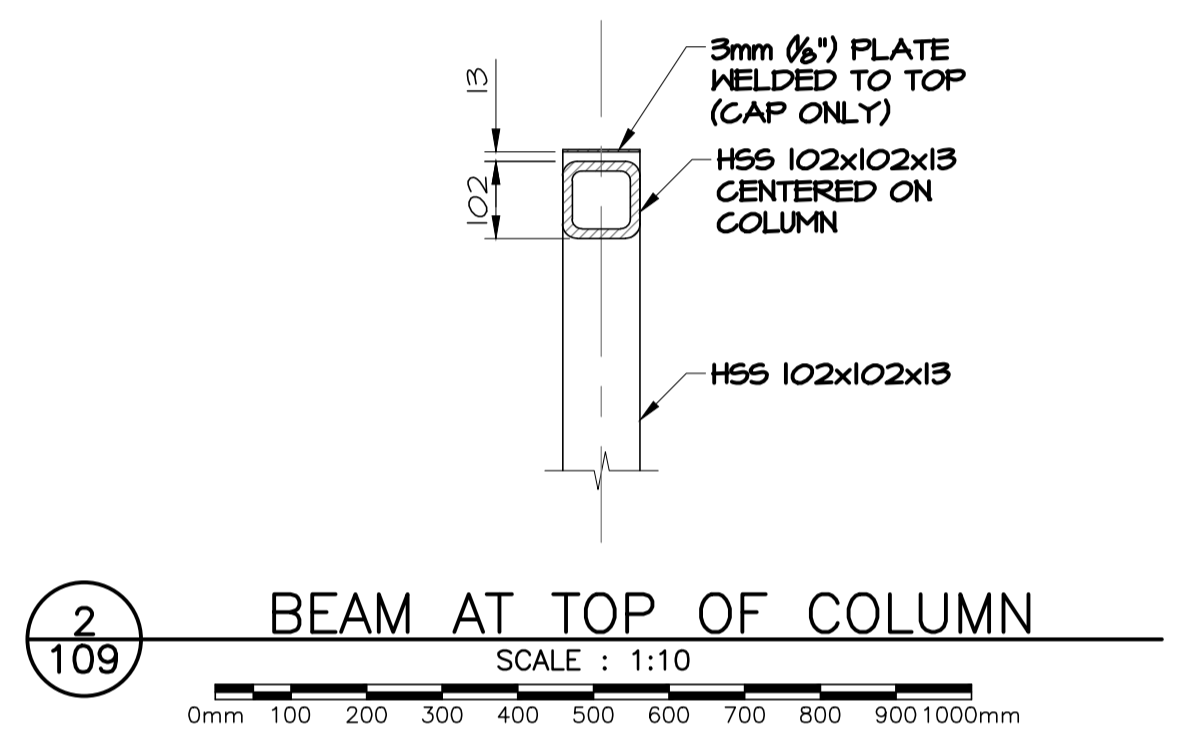
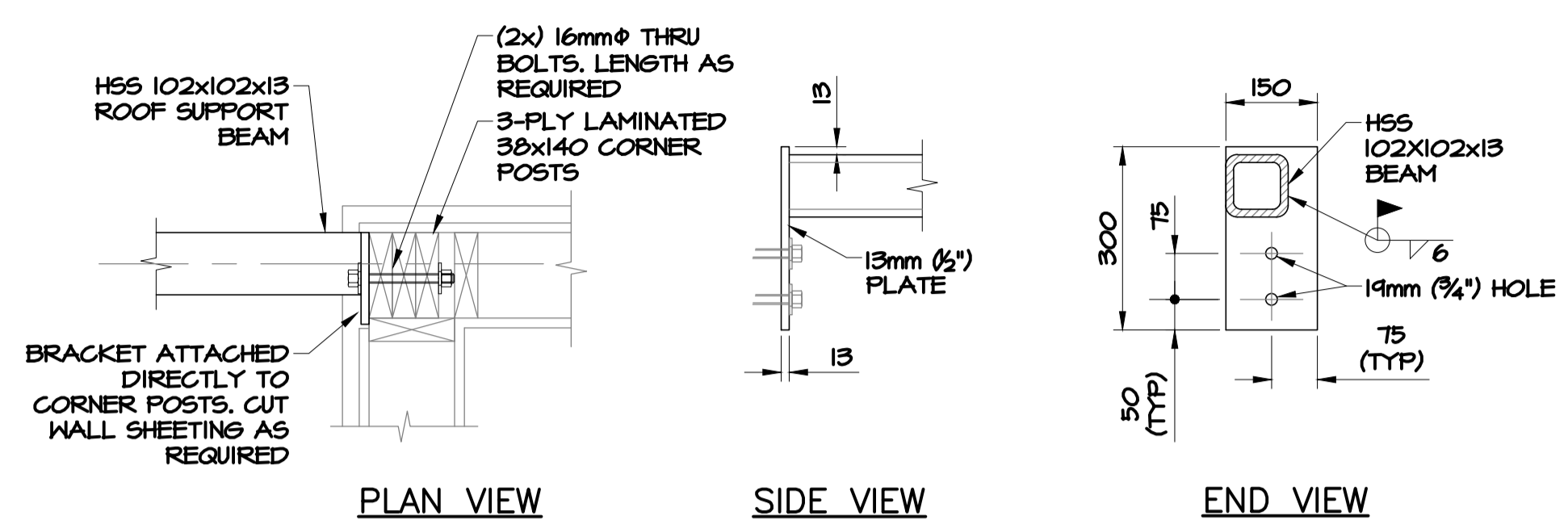
designed	INO	conçu
date	SEPT 26, 2016	
drawn	CG	dessiné
date	SEPT 26, 2016	
approved		approuvé
date		
Tender		Soumission
PWGC Project Manager	Administrateur de projets TPGSC	
project number		no. du projet
drawing no.	S-108	no. du dessin

NOTES:
 1. MONUMENT SIGN STRUCTURAL STEEL SAME FOR BOTH NORTH AND SOUTH SITES
 2. ALL HORIZONTAL & VERTICAL MEMBERS FOR THE MONUMENT SIGNS SHALL BE HSS 102x102x13



STRUCTURAL CONCRETE NOTES:

- ALL CONCRETE TO MEET REQUIREMENTS OF CSA A23.1 AND A23.2 LATEST EDITION.
- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 35 MPa @ 28 DAYS. MAXIMUM SIZE AGGREGATE 20 mm, AIR ENTRAINMENT 5-8%, SLUMP 100± 20mm.
- FOOTING TO BE FOUNDED ON 150mm MINUS ROCK FILL WITH A MINIMUM BEARING CAPACITY OF 600 kN/m².
- FORMWORK SHALL NOT BE REMOVED UNTIL CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO SUSTAIN AN APPLIED LOAD.
- REFER TO SECTION 21.2.3.4 OF C.S.A. STANDARDS WITH REGARD TO COLD WEATHER CONCRETING IF AIR TEMPERATURE IS AT OR BELOW +5°C
- ALL ADMIXTURES SHALL BE APPROVED BY THE ENGINEER.
- PROVIDE CONCRETE SEALER ON CONCRETE FLOOR SLAB.
- FOUNDING LEVEL TO BE INSPECTED PRIOR TO PLACEMENT OF CONCRETE.
- REINFORCING STEEL SHALL CONFORM TO G30.12 AND HAVE A MINIMUM YIELD STRENGTH OF 400 MPa.
- ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED, PLACED AND SUPPORTED IN ACCORDANCE WITH ACI 315 (LATEST EDITION)
- UNLESS NOTED OTHERWISE, MIN CONCRETE COVER FOR REBAR SHALL BE 50mm EXCEPT WHERE CAST AGAINST, AND PERMANENTLY SITTING AGAINST, THE EARTH WHICH WILL HAVE MIN. COVER OF 75mm.
- REBAR SPLICES TO BE 3Ø BAR DIAMETERS OR MINIMUM 600mm.
- PROVIDE 15M HORIZONTAL TIES (600 LEGS) AT ALL CORNERS AND INTERSECTIONS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS & EXISTING CONDITIONS IN THE FIELD. ALL ERRORS AND UNSATISFACTORY CONDITIONS TO BE REPORTED TO THE ENGINEER PRIOR TO START OF CONSTRUCTION.
- ROOF SNOW LOAD = 2.8kPa



amtec foster wheeler
 ENGINEER
 PROVINCE OF NEWFOUNDLAND AND LABRADOR
 PERMIT HOLDER
 This Permit Allows
 Anne Foster Wheeler
 Engineer
 To Perform Professional Engineering
 Permit No. 109 issued PEGNL 0844
 valid to the 31st of the month of 2016

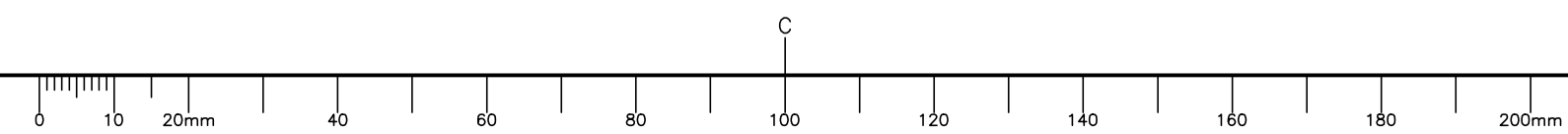


2	ISSUED FOR TENDER	12/09/2016
1	ISSUED FOR REVIEW	09/19/2016
revisions		date

project TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing MONUMENT SIGN STRUCTURAL & MISC. DETAILS

designed	INO	conçu
date	SEPT 26, 2016	
drawn	CG	dessiné
date	SEPT 26, 2016	
approved		approuvé
date		
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
drawing no.	S-109	no. du dessin





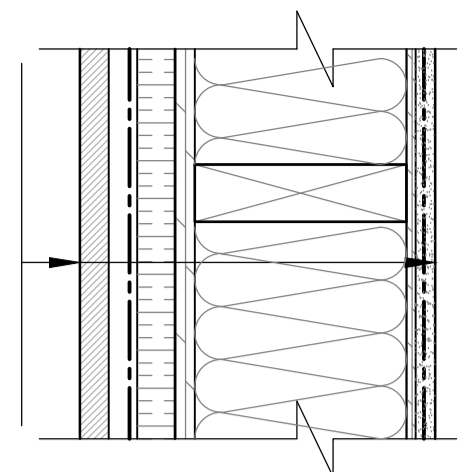
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2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016
revisions		date
project		project

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

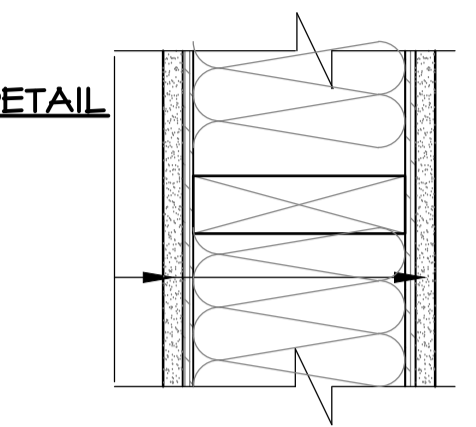
NORTH SITE PAVILION FLOOR PLAN

designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date	----	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number	604	no. du projet
drawing no.	A-101	no. du dessin

WT1
WALL TYPE 1 - PLAN DETAIL
 - VERTICAL EAST/WHITE CEDAR
 - 19mm STRAPPING
 - AIR BARRIER
 - 25mm EPS RIGID FOAM INSULATION
 - 13mm EXTERIOR GRADE SHEATHING
 - 140mm (2X6) WOOD STUD 410 O.C.
 - BATT INSULATION R-24
 - VAPOR RETARDER MEMBRANE
 - 6mm EXTERIOR GRADE PLYWOOD
 - 15mm WATER RESISTANT GYPSUM BOARD

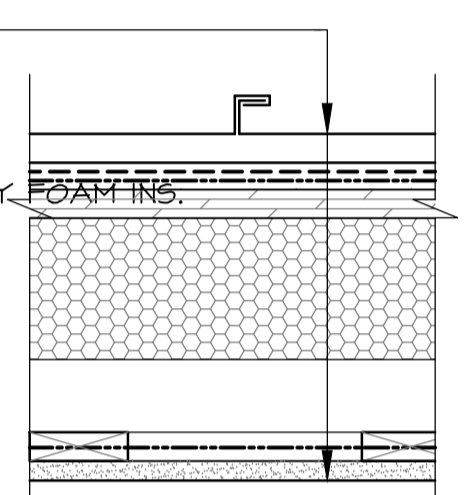


P1
TYPICAL PARTITION
INTERIOR PARTITION 1 - PLAN DETAIL
 - 13mm DRYWALL - PAINT - PT1
 - 6mm EXTERIOR GRADE PLYWOOD
 - 2X6 WOOD STUDS
 - ACOUSTIC BATT INSULATION
 - 6mm EXTERIOR GRADE PLYWOOD
 - 13mm DRYWALL - PAINT - PT1

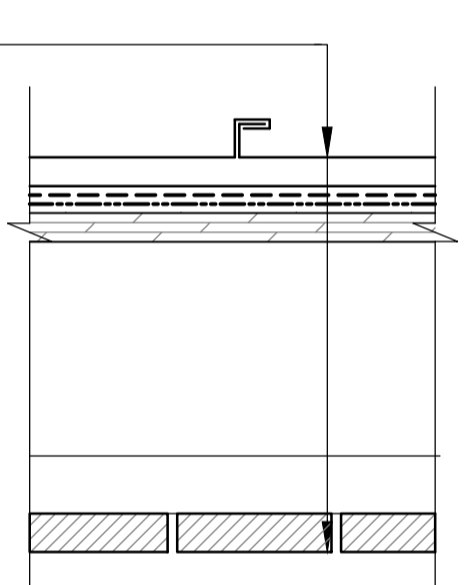


P2
TANK VENT ENCLOSURE
INTERIOR PARTITION 2 - PLAN DETAIL
 - 13mm DRYWALL - PAINT - PT1
 - 2X4 WOOD STUDS

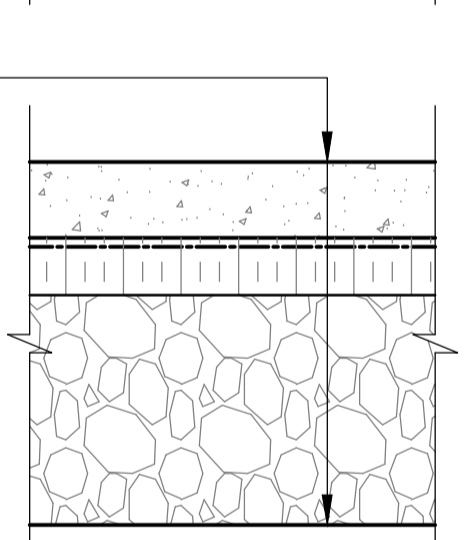
R1
ROOF ASSEMBLY 1 - SECTION
 - STANDING SEAM METAL ROOF
 - VENT/DRAINAGE MAT
 - UNDERLAYMENT SBS MEMBRANE
 - ROOF SHEATHING
 - ENGINEERED STRUCTURE WITH SPRAY FOAM INS.
 - 19MM STRAPPING
 - VAPOR RETARDER MEMBRANE
 - 13mm GYPSUM BOARD - PAINTED



R2
ROOF ASSEMBLY 2 - SECTION
 - STANDING SEAM METAL ROOF
 - VENT/DRAINAGE MAT
 - UNDERLAYMENT SBS MEMBRANE
 - ROOF SHEATHING
 - ENGINEERED STRUCTURE
 - 38mm WOOD STRAPPING
 - 25mm CEDAR BOARDS



F1
FLOOR TYPE 1
 - FINISHED CONCRETE FLOOR
 - 15 mil VAPOR RETARDER
 - EPS RIGID FOAM INSULATION R-14
 - DRAINAGE GRAVEL



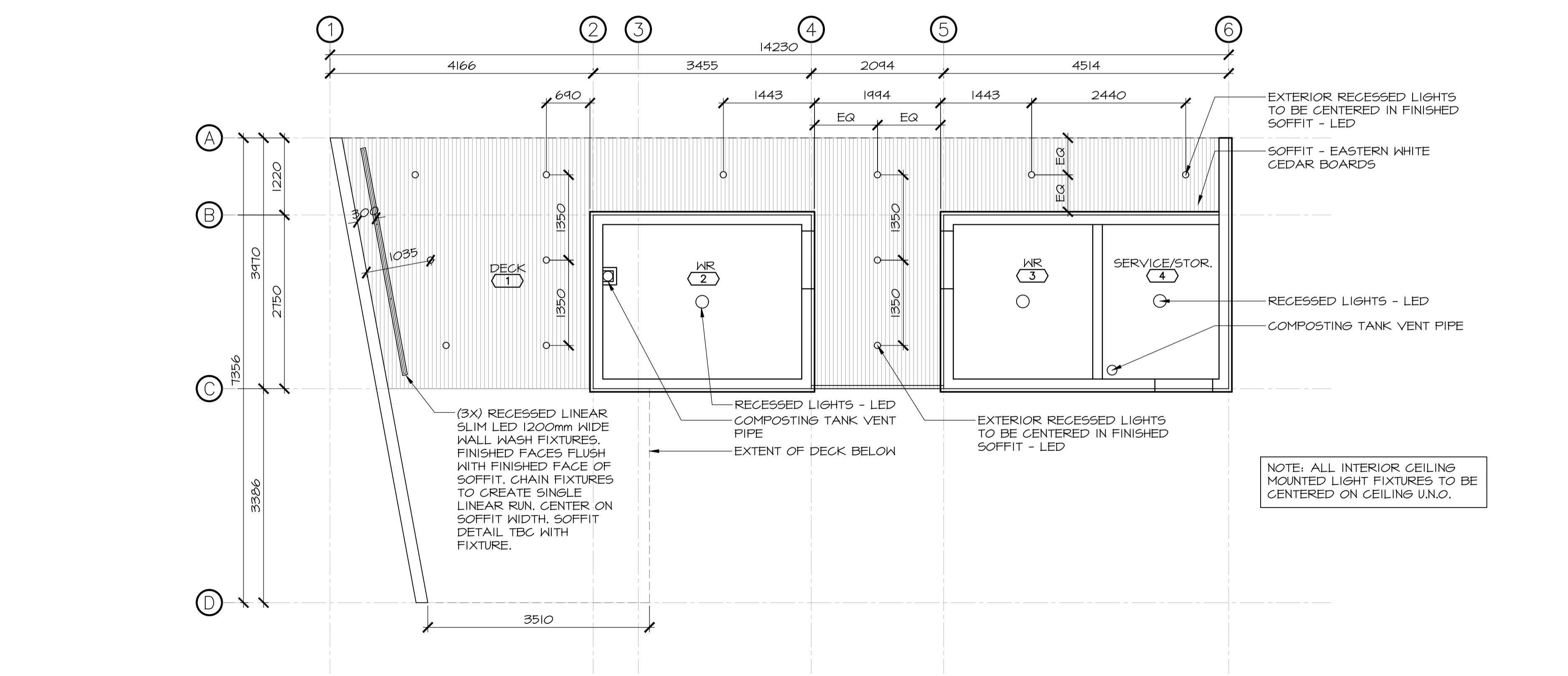
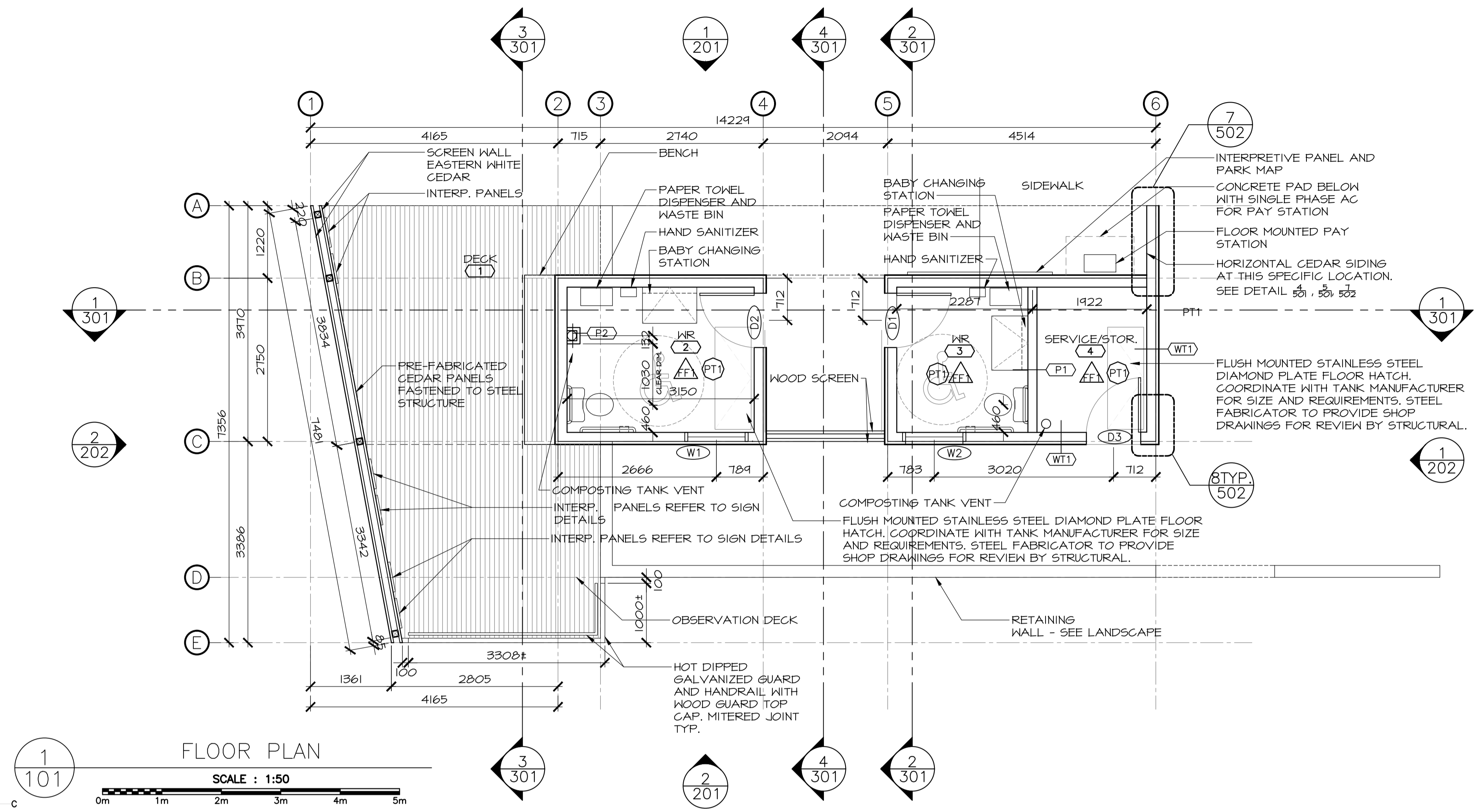
- WT** WALL TYPE (EXTERIOR)
- P** PARTITION TYPE (INTERIOR)
- W2** WINDOW #
- FF** FLOOR FINISH
- PT** PAINT FINISH

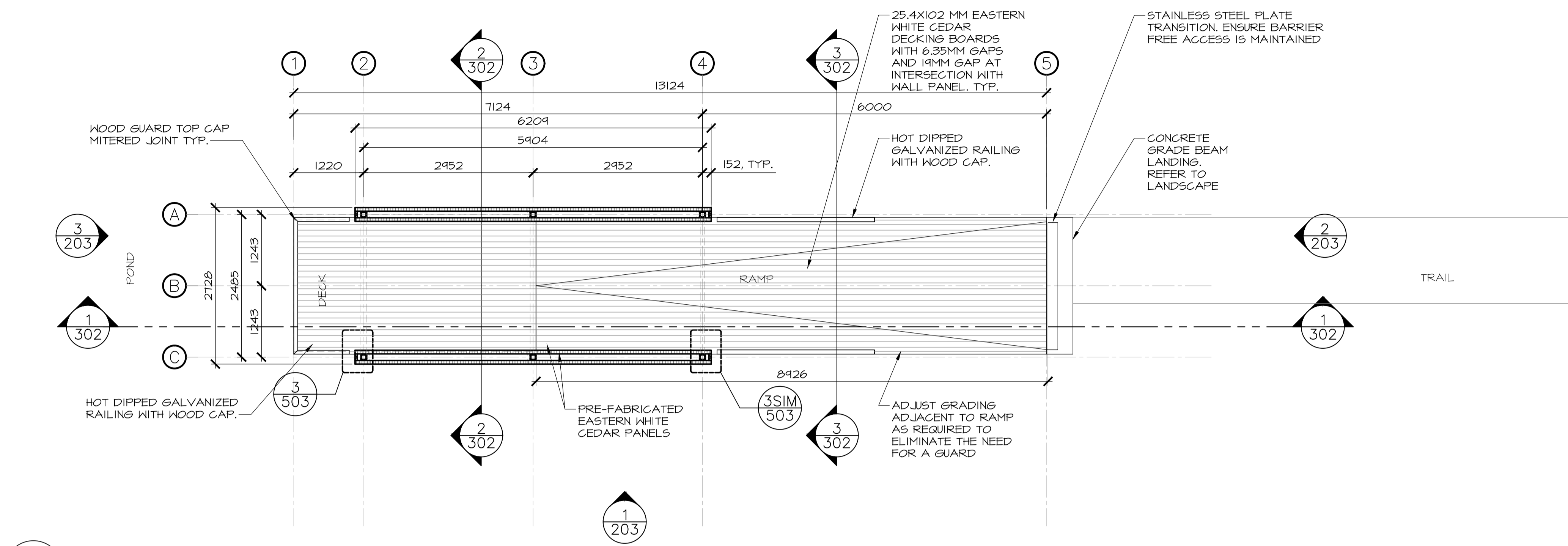
WINDOW / DOOR SCHEDULE

ITEM #	WIDTH	HEIGHT	DESCRIPTION	HARDWARE
W1	1320mm	560mm	ALUMINUM, OPERABLE	
W2	1320mm	560mm	ALUMINUM, OPERABLE	
D1	915mm	2134mm	METAL DOOR, STEEL FRAME	H-1
D2	915mm	2134mm	METAL DOOR, STEEL FRAME	H-1
D3	915mm	2134mm	METAL DOOR, STEEL FRAME	H-2

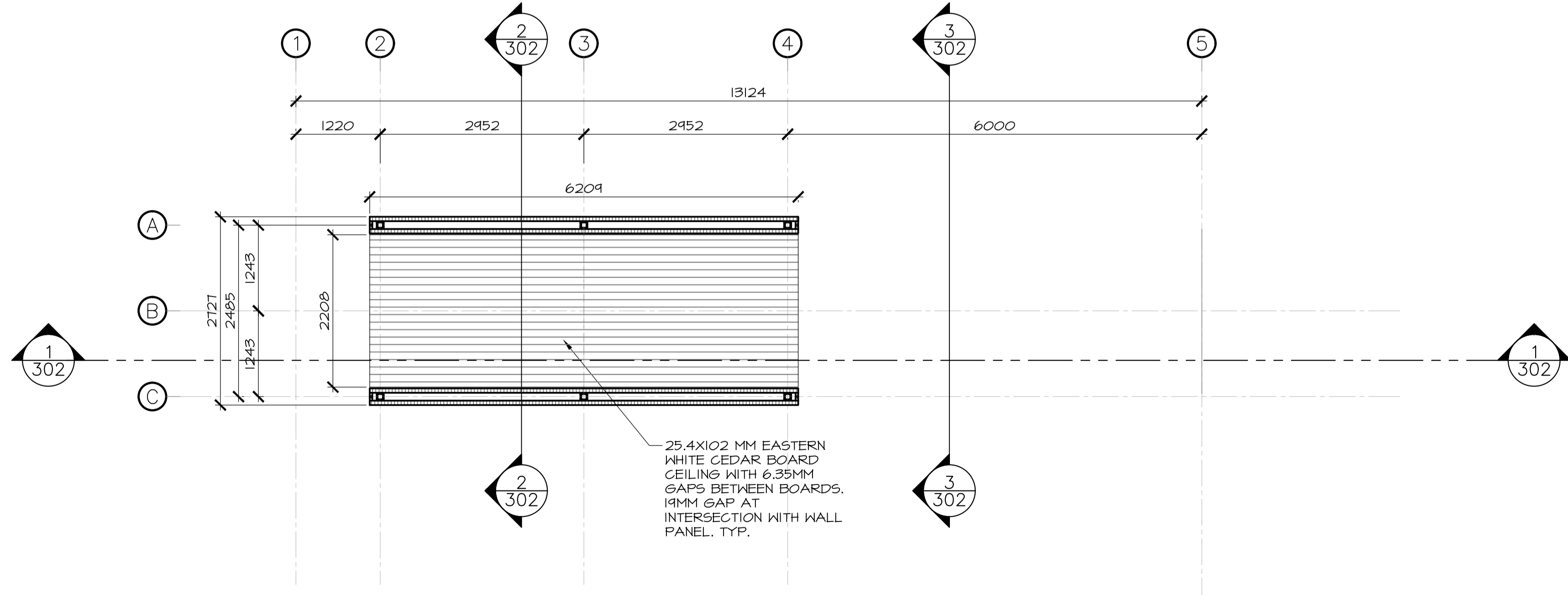
- FF1** FINISHED CONCRETE FLOOR WITH SEALER AND HARDENER
- PT1** BENJAMYN MOORE DESIGNER CLASSIC CC-20

NOTE: ALL INTERIOR CEILING MOUNTED LIGHT FIXTURES TO BE CENTERED ON CEILING U.N.O.





1
102 FLOOR PLAN - POND LOOKOFF
SCALE : 1:50



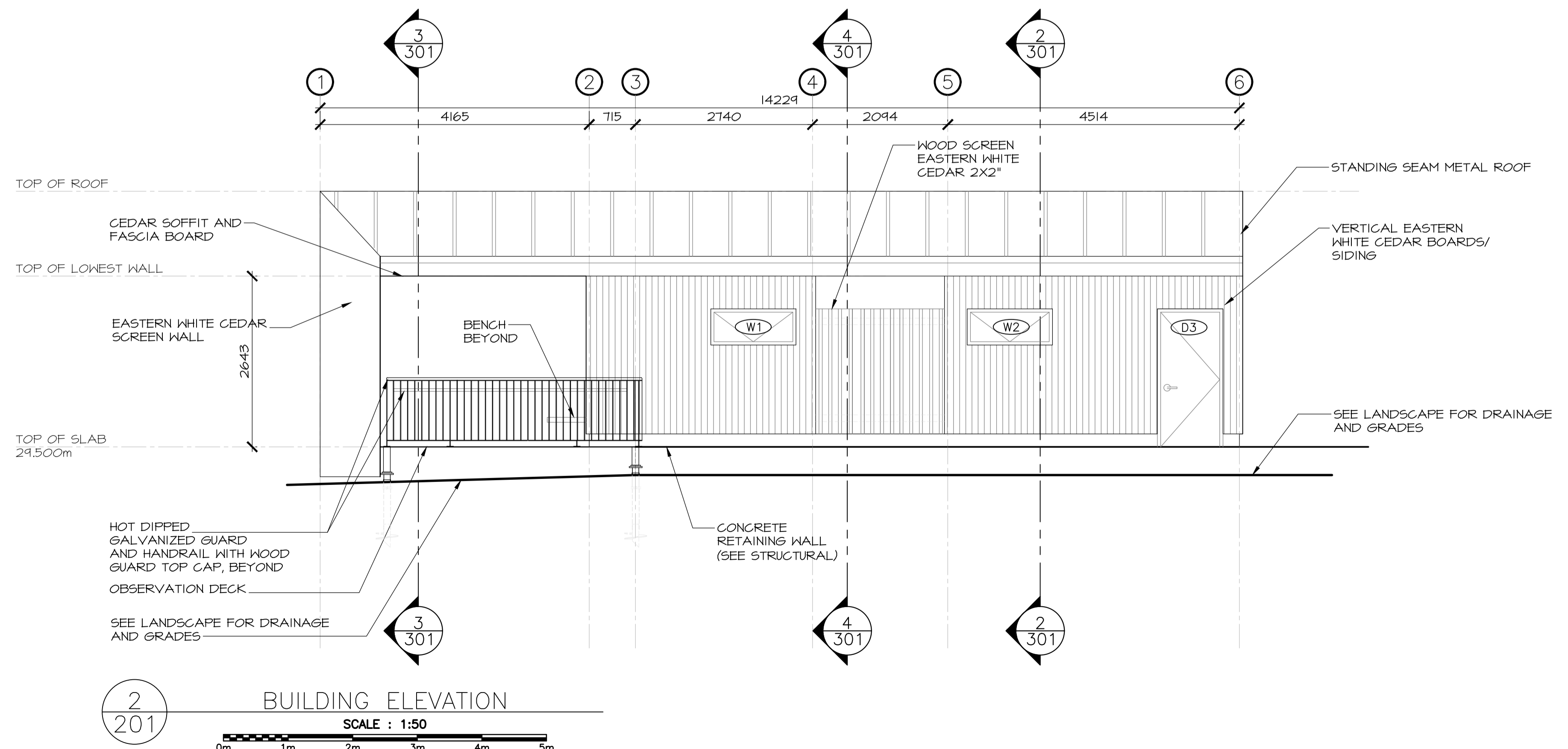
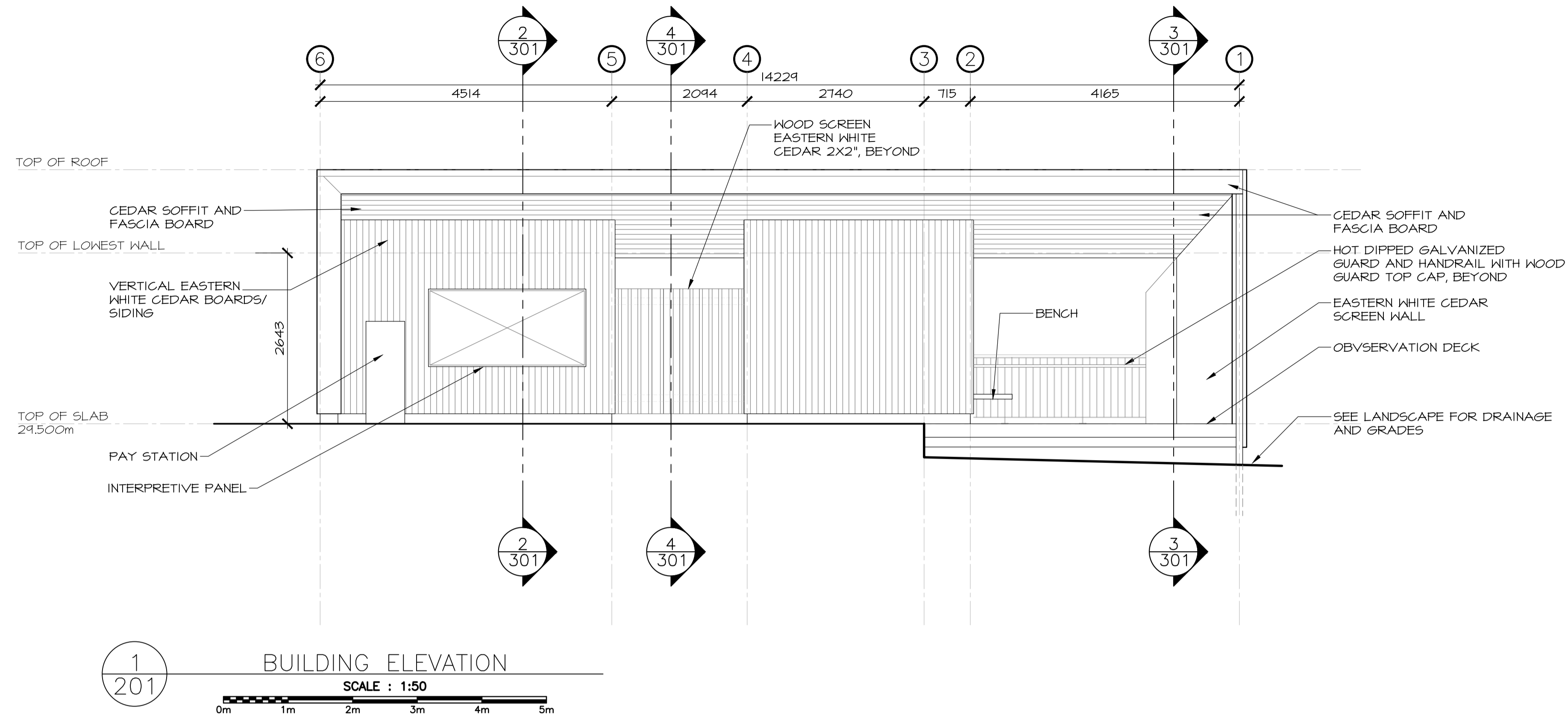
2
102 RCP - POND LOOKOFF
SCALE : 1:50

3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016
revisions		date

project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing
NORTH SITE POND LOOKOFF FLOOR PLAN

designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSGC	
project number	604	no. du projet
drawing no.	A-102	no. du dessin

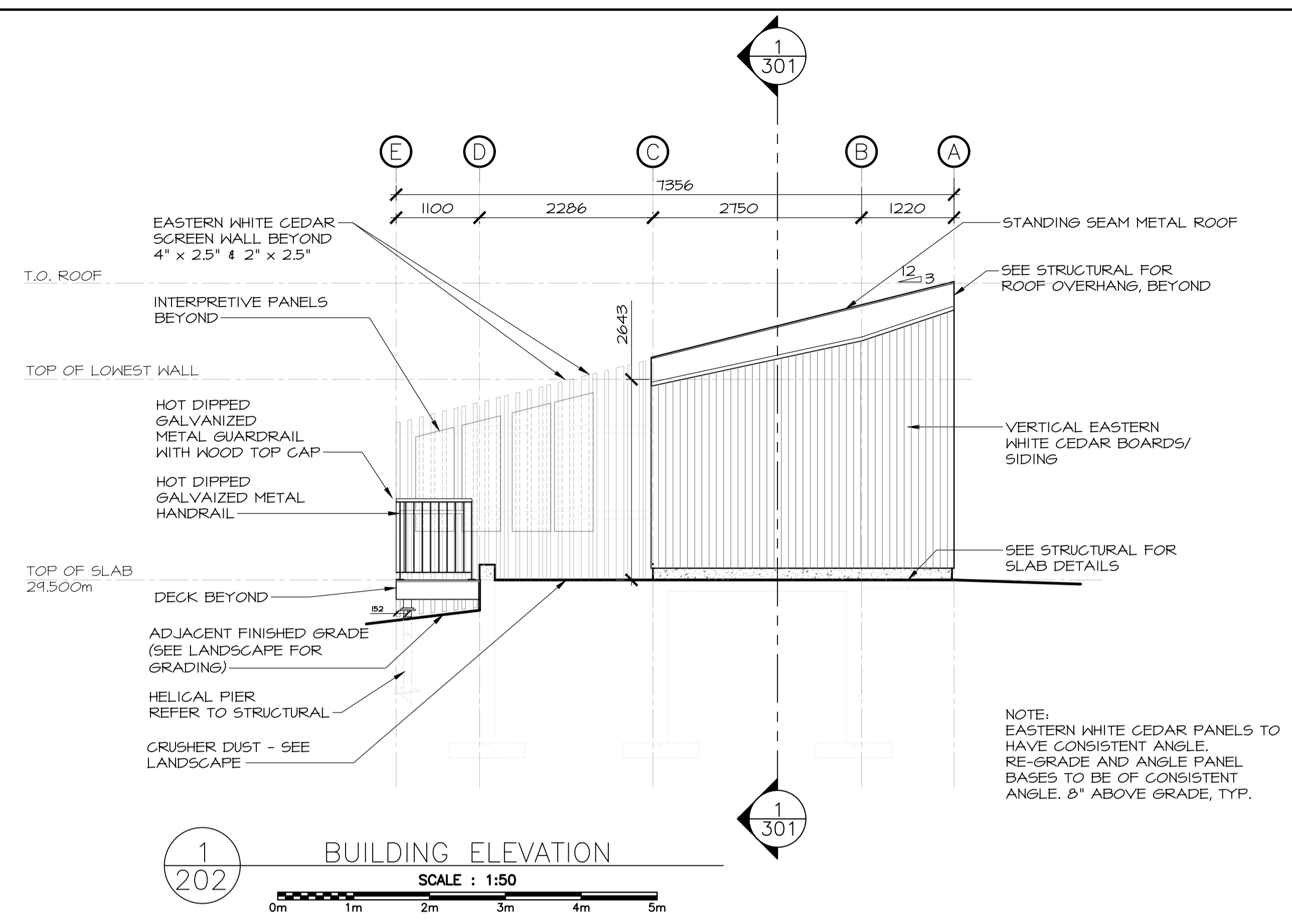


revisions	date
3	12/23 2016
2	09/09 2016
1	17/15 2016

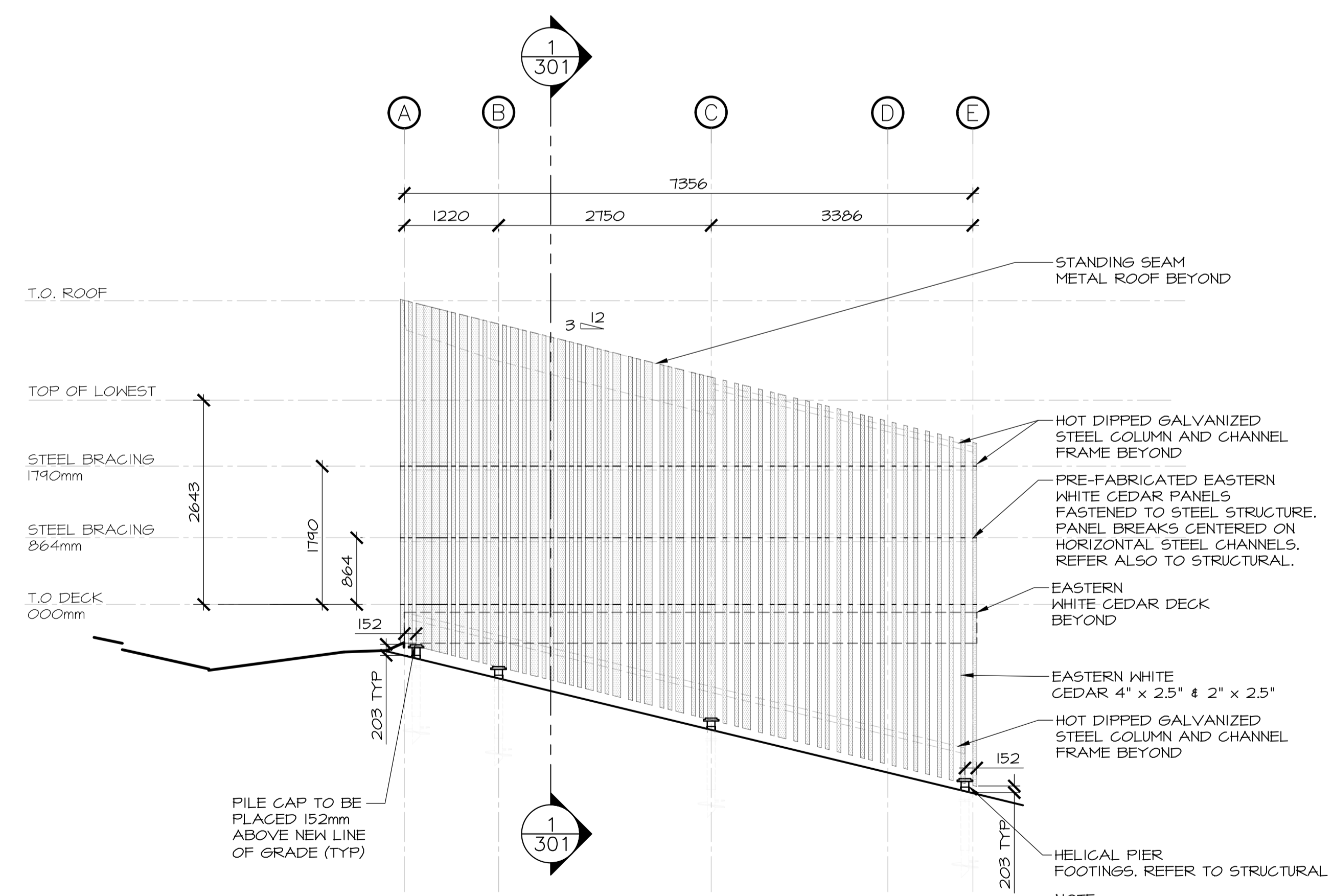
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT
 drawing

NORTH SITE PAVILION ELEVATIONS
 drawing

designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSCG	
project number	604	no. du projet
drawing no.	A-201	no. du dessin



1
202 BUILDING ELEVATION
SCALE : 1:50



2
203 BUILDING ELEVATION
SCALE : 1:50

NOTE:
EASTERN WHITE CEDAR PANELS TO
HAVE CONSISTENT ANGLE.
RE-GRADE AND ANGLE PANEL
BASES TO BE OF CONSISTENT
ANGLE. 8" ABOVE GRADE, TYP.

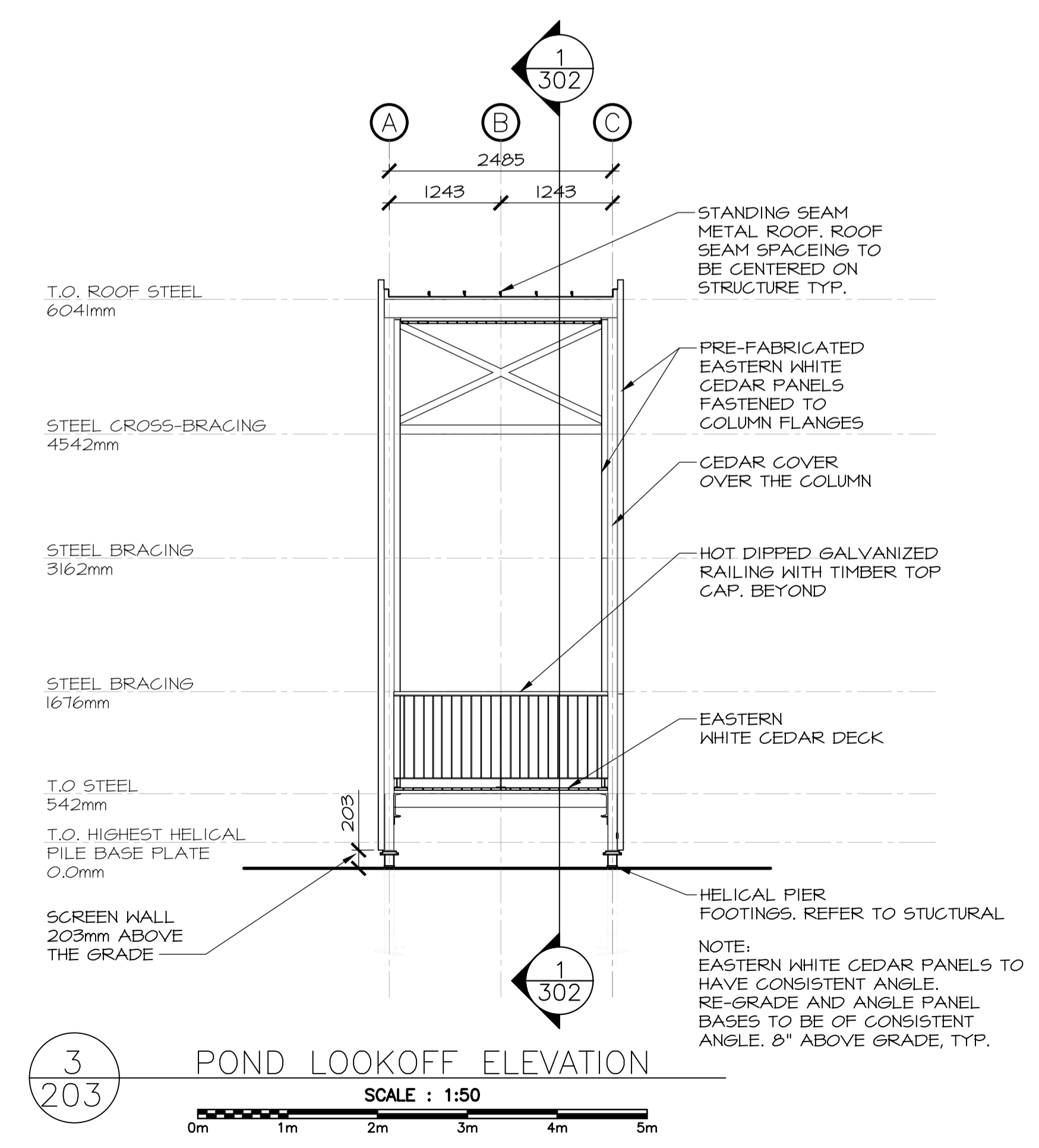
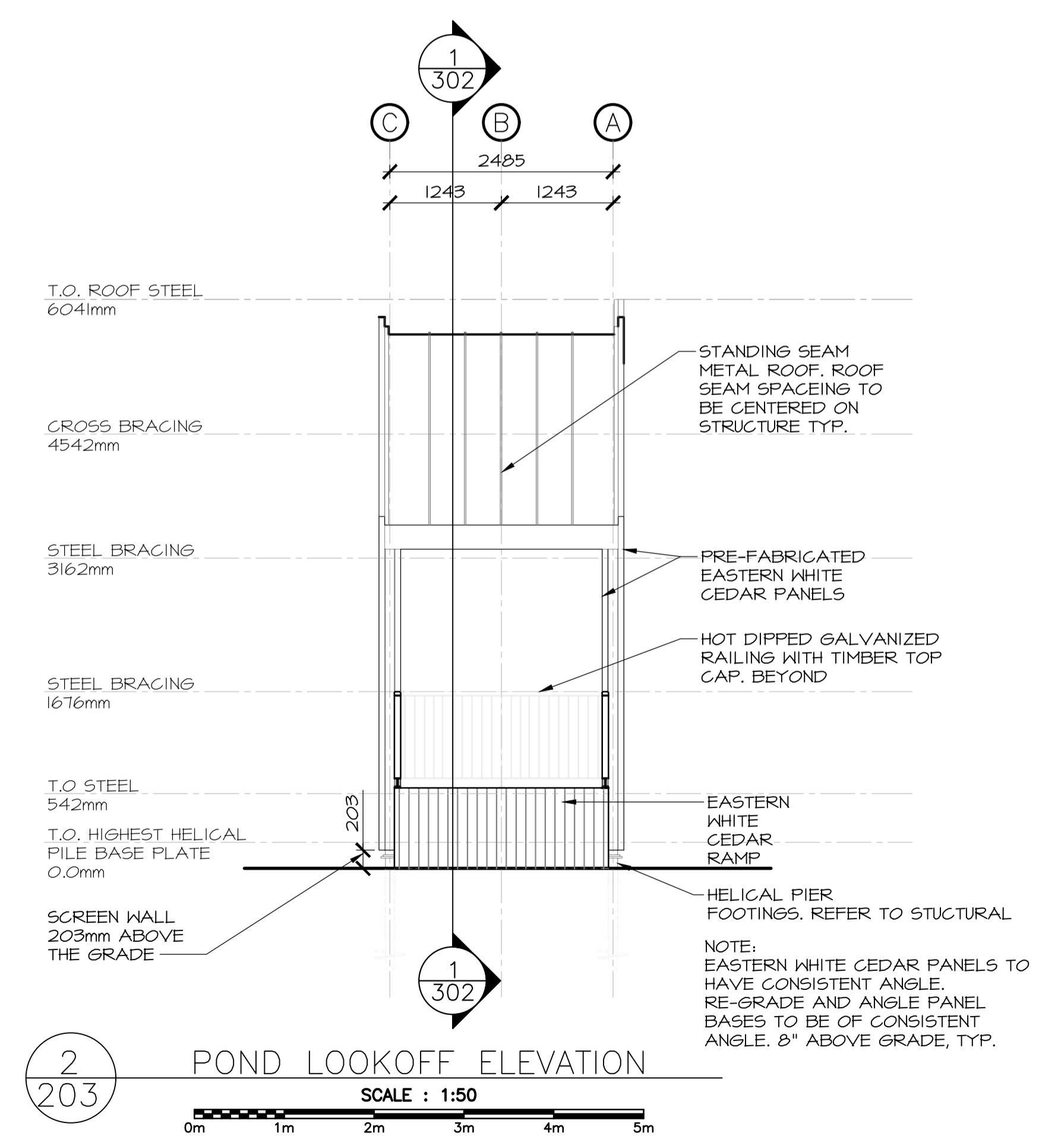
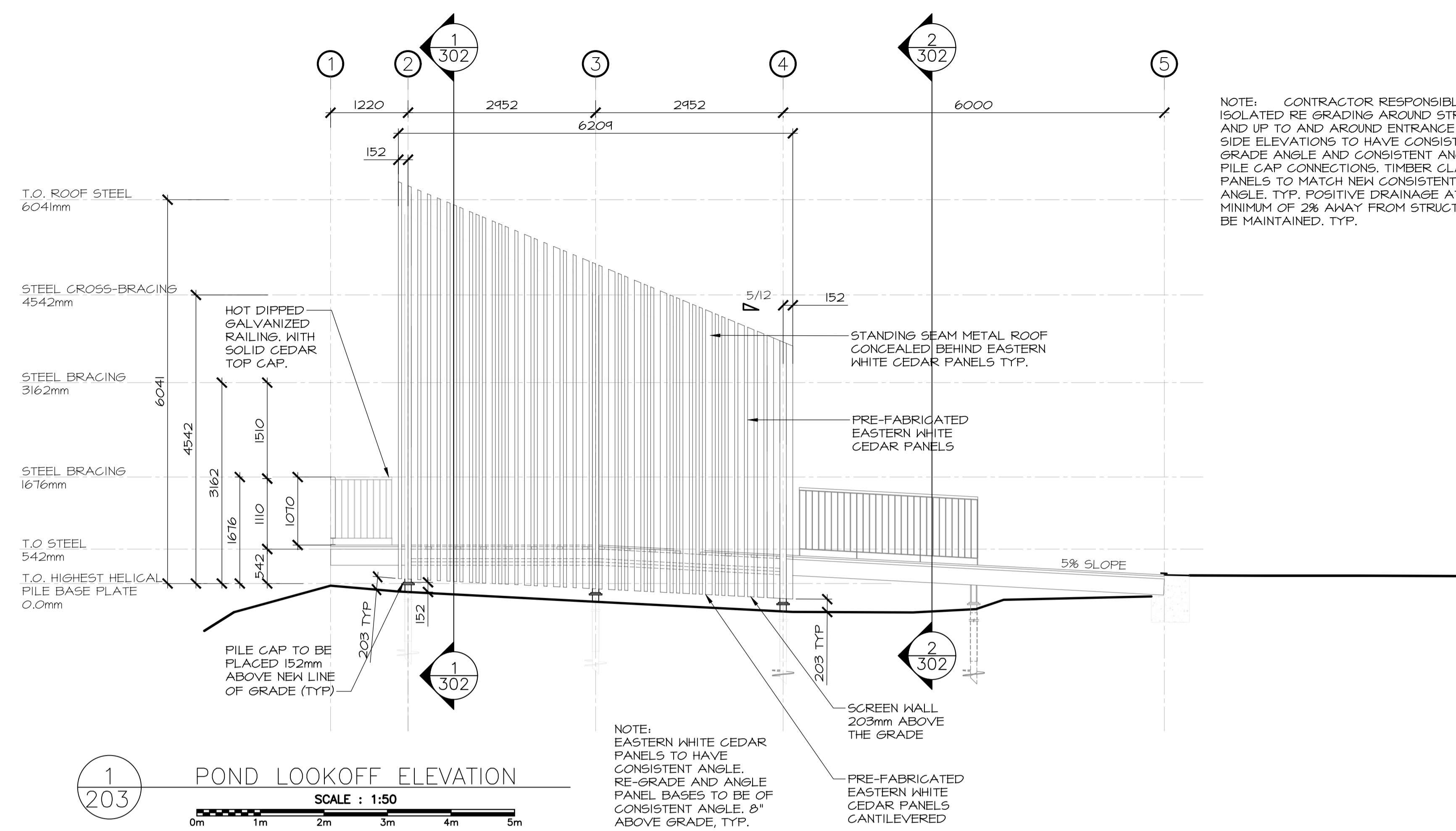
NOTE:
EASTERN WHITE CEDAR PANELS TO
HAVE CONSISTENT ANGLE.
RE-GRADE AND ANGLE PANEL
BASES TO BE OF CONSISTENT
ANGLE. 8" ABOVE GRADE, TYP.

revisions	date
3	ISSUED FOR TENDER 12/23 2016
2	ISSUED FOR REVIEW/99% 09/09 2016
1	ISSUED FOR REVIEW/66% 17/15 2016

project
**TERRA NOVA
NATIONAL PARK
ENTRANCE
REHABILITATION
PROJECT**

drawing
**NORTH SITE
PAVILION
ELEVATIONS**

designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSCG	
project number	604	no. du projet
drawing no.	A-202	no. du dessin

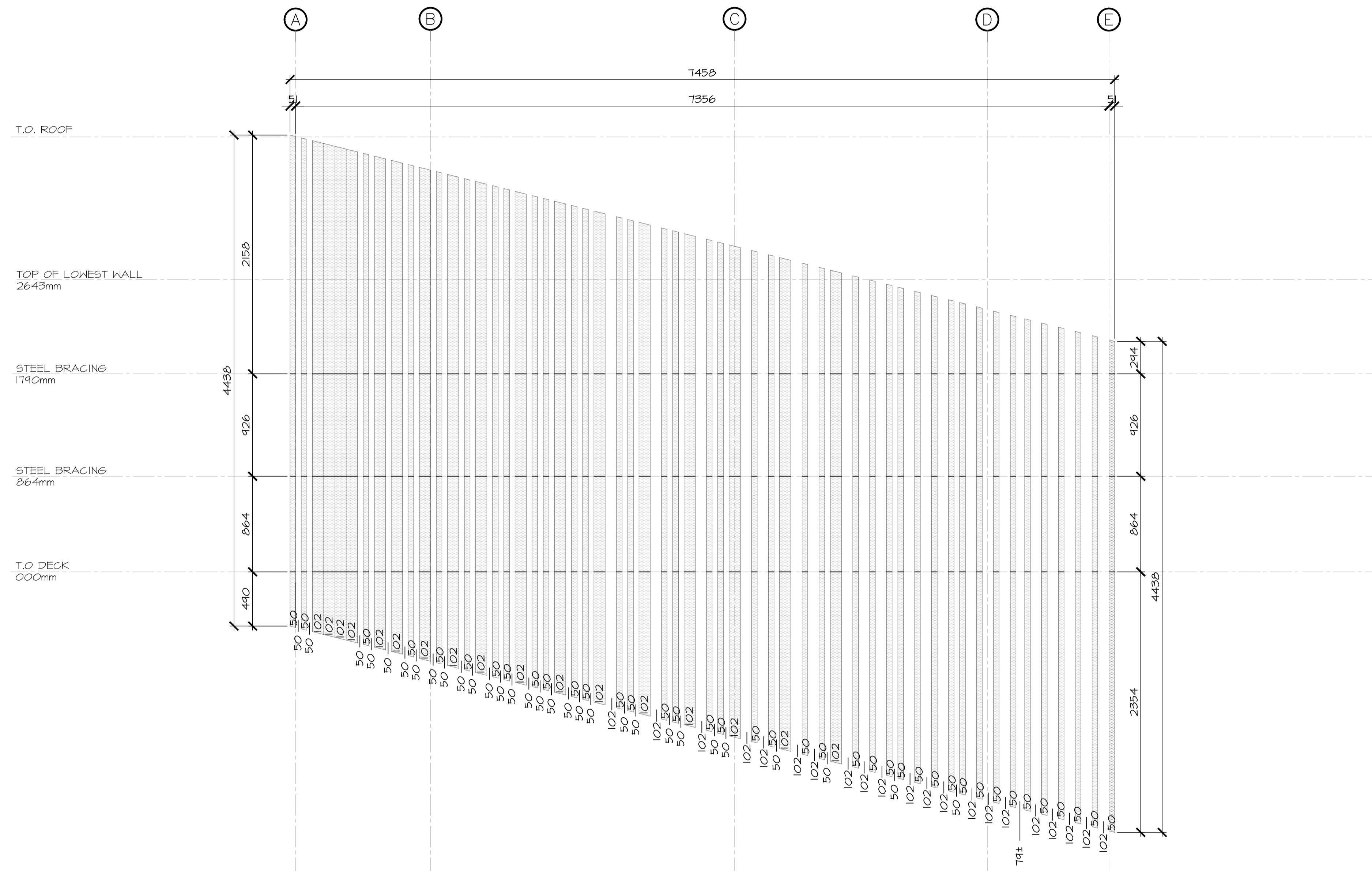


3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016

revisions: _____ date: _____
 project: TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing: NORTH SITE POND LOOKOFF ELEVATIONS

designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date	----	
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSGC	
project number	604	no. du projet
drawing no.	A-203	no. du dessin



1
204
ELEVATION — PAVILION SCREEN WALL PATTERN
SCALE : 1:25
0mm 500mm 1000mm 1500mm 2000mm 2500mm

SCREEN WALL / SIZES:
CEDAR VERTICAL MEMBERS: 30-102
GAPS: 50-102

3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016
revisions		date

project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT
project

drawing
NORTH SITE PAVILION SCREEN WALL ELEVATION
dessin

designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSCG	
project number	604	no. du projet
drawing no.	A-204	no. du dessin



3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016

revisions	date
project	project

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing dessin

NORTH SITE POND LOOKOFF SCREEN WALL ELEVATION

designed CC/JB/BR/SC/KP conçu

date ----

drawn BR/JB dessiné

date ----

approved approuvé

date

Tender Soumission

PWSC Project Manager Administrateur de projets TPSCG

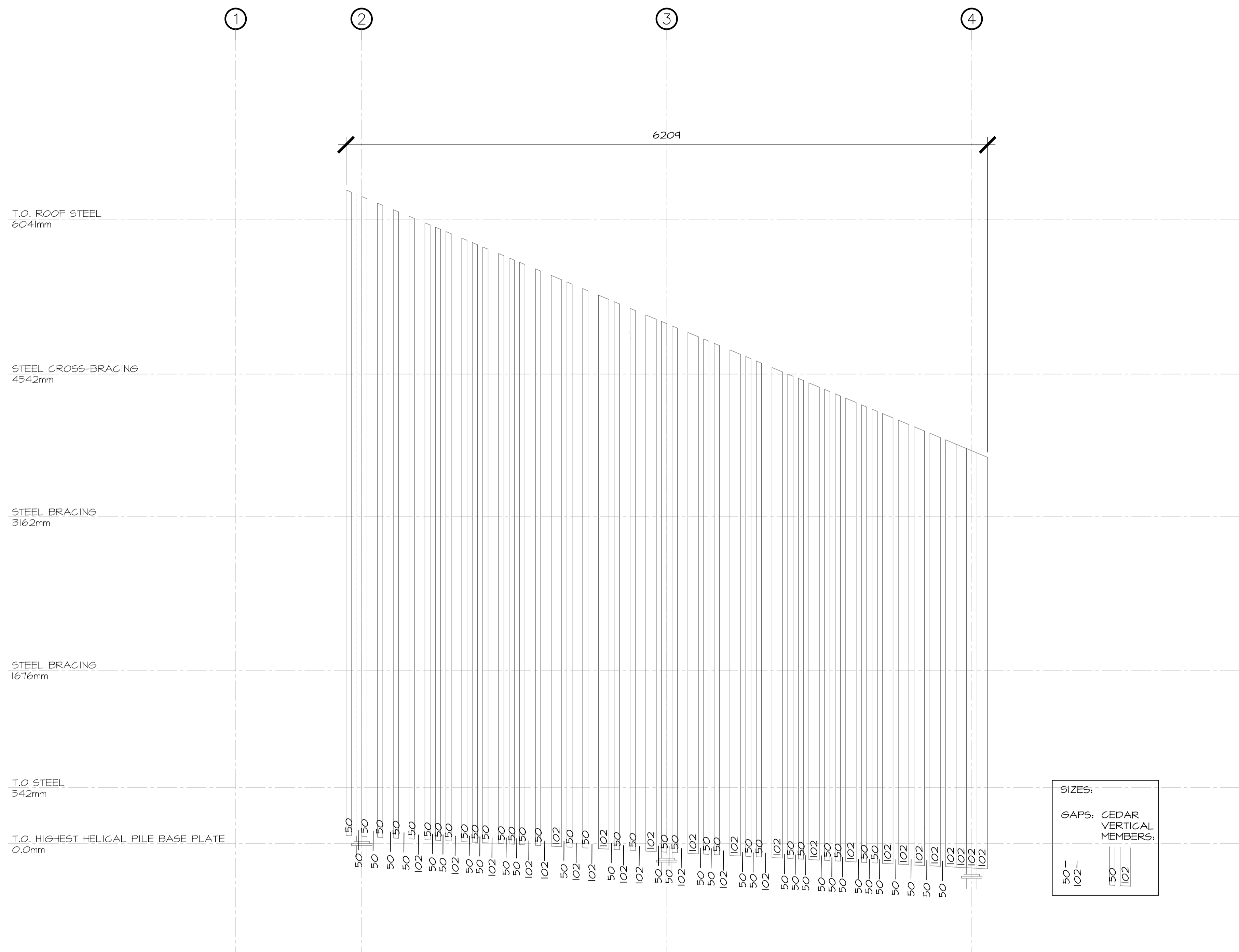
project number no. du projet

604

drawing no. no. du dessin

A-205

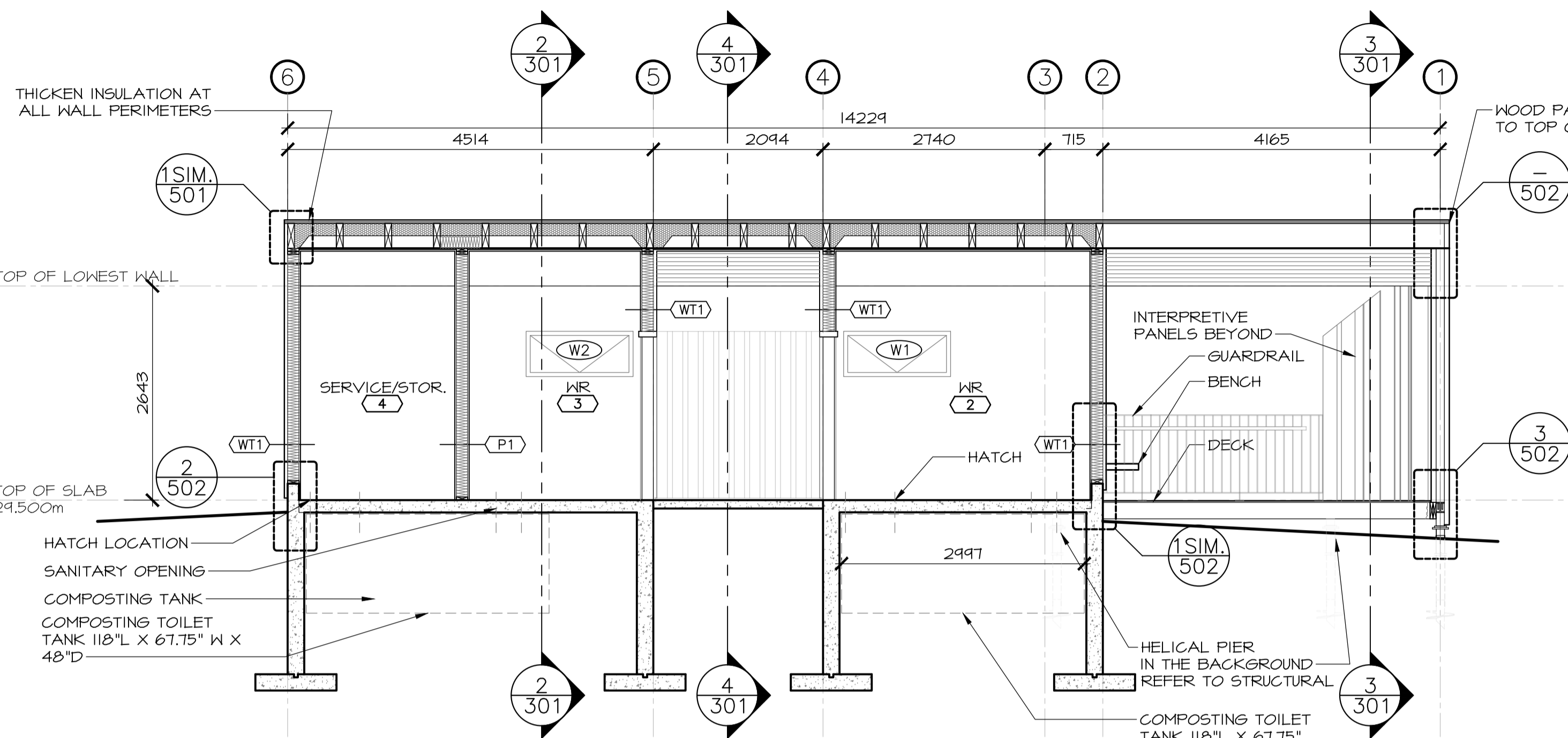
E-DRM/GDD-E: ----



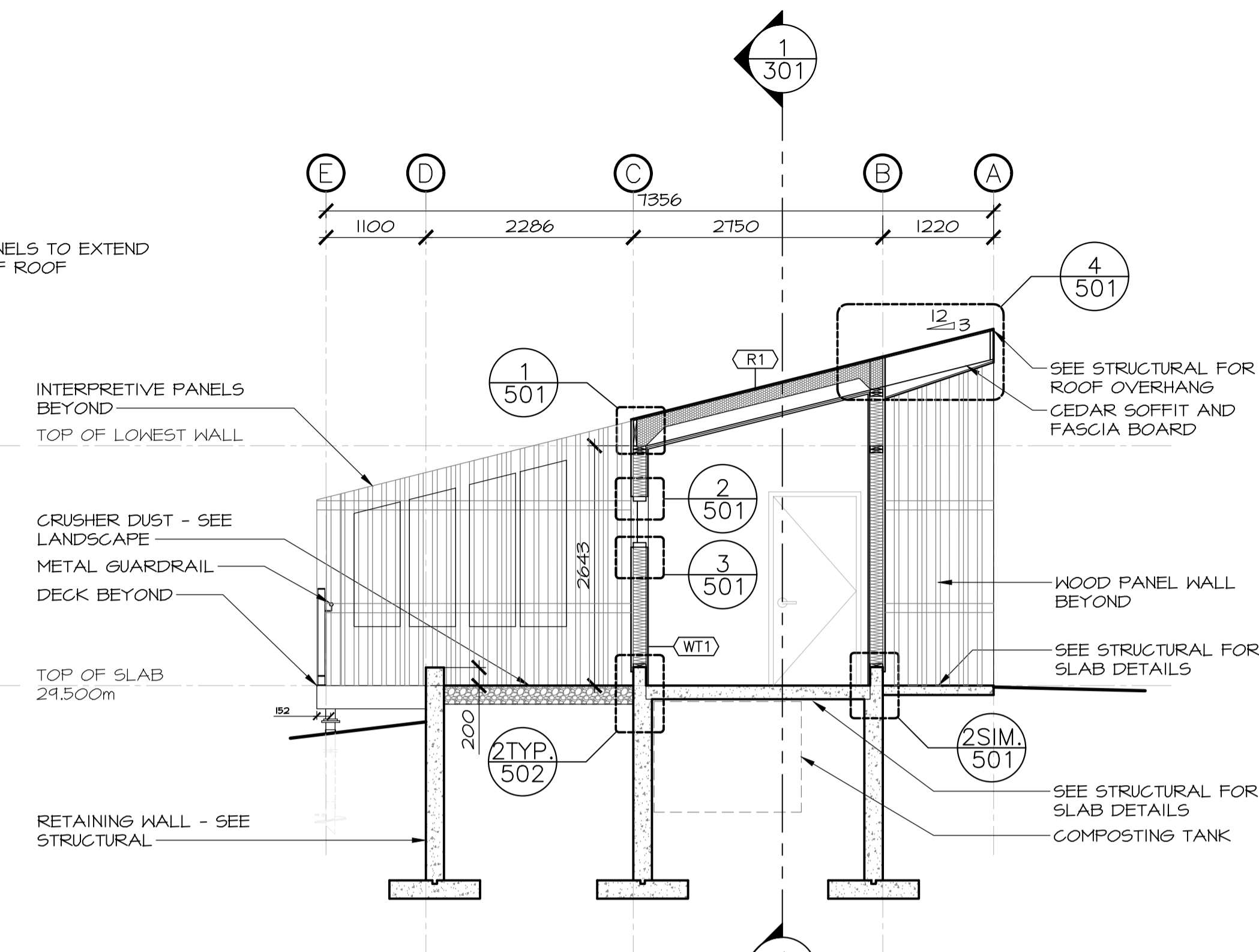
1
205 ELEVATION - SCREEN WALL PATTERN - POND
SCALE : 1:25
0mm 500mm 1000mm 1500mm 2000mm 2500mm

NOTES:
 1. CONTRACTOR TO COORDINATE ALL FOUNDATION WALL OPENINGS WITH THRESHOLDS AND DOORS - SEE PLANS FOR LOCATIONS
 2. CONTRACTOR TO COORDINATE COMPOSTING TANK DIMENSIONS TO ENSURE THAT NO OBSTRUCTIONS AT FOUNDATION WALLS PREVENTS PROPER FIT OF TANK.

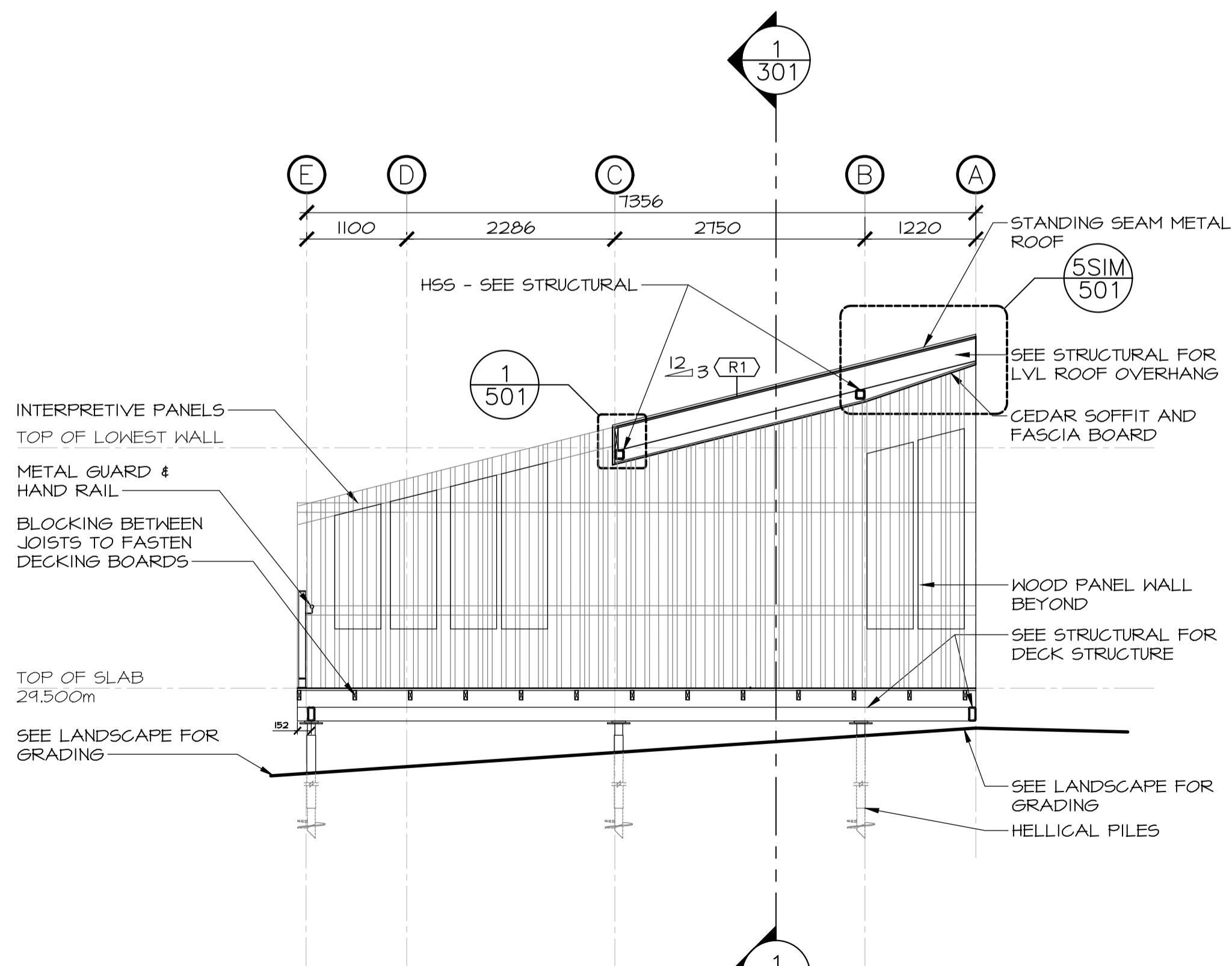
- (WT) WALL TYPE (EXTERIOR)
- (P) PARTITION TYPE (INTERIOR)
- (W) WINDOW #
- (PT) PAINT FINISH



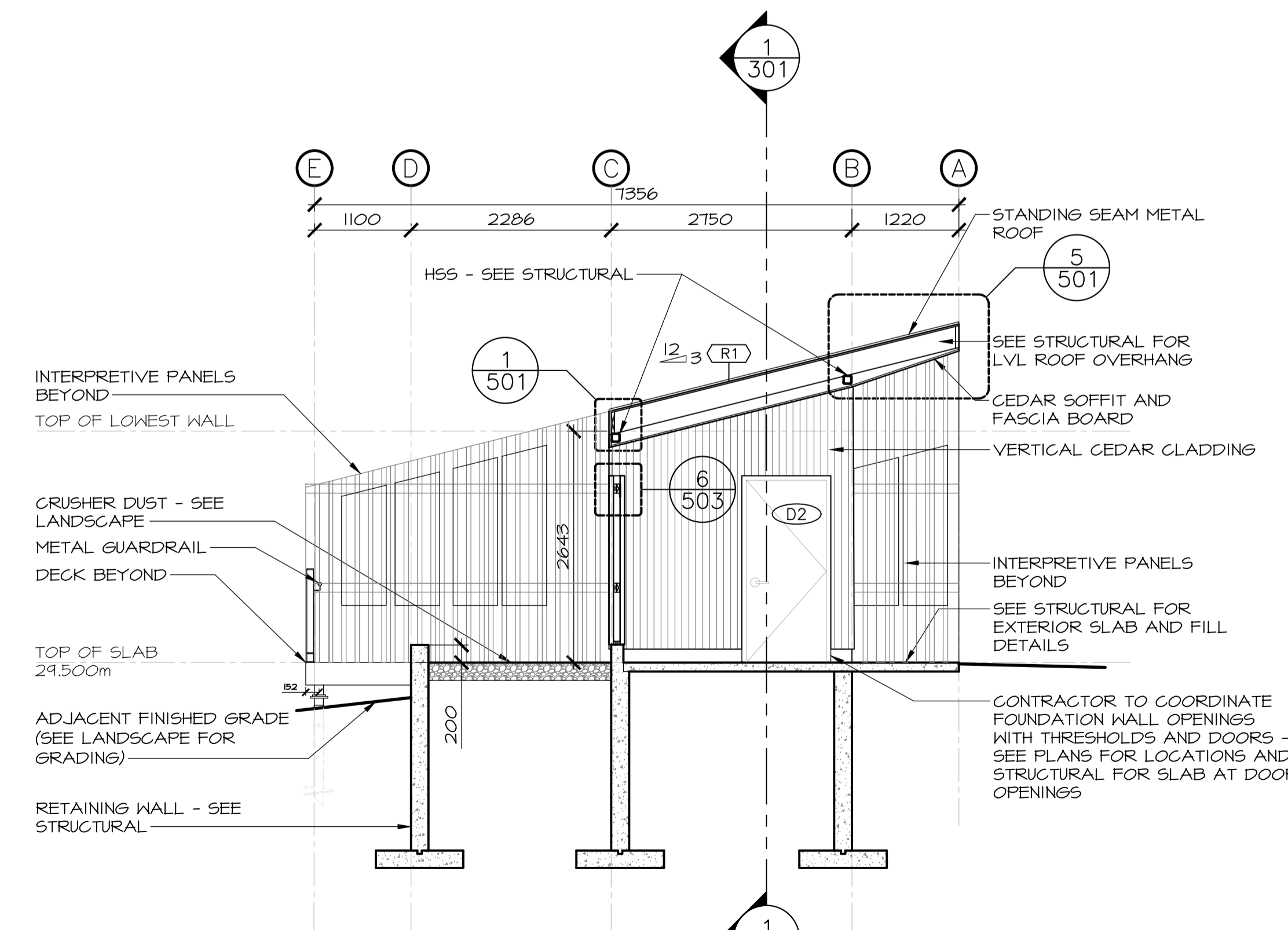
1 301 BUILDING SECTION
 SCALE : 1:50



2 301 BUILDING SECTION
 SCALE : 1:50



3 301 BUILDING SECTION
 SCALE : 1:50



4 301 BUILDING SECTION
 SCALE : 1:50



3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016

revisions project date

project
 TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing dessin

NORTH SITE PAVILION SECTIONS

designed CC/JB/BR/SC/KP conçu

drawn BR/JB dessiné

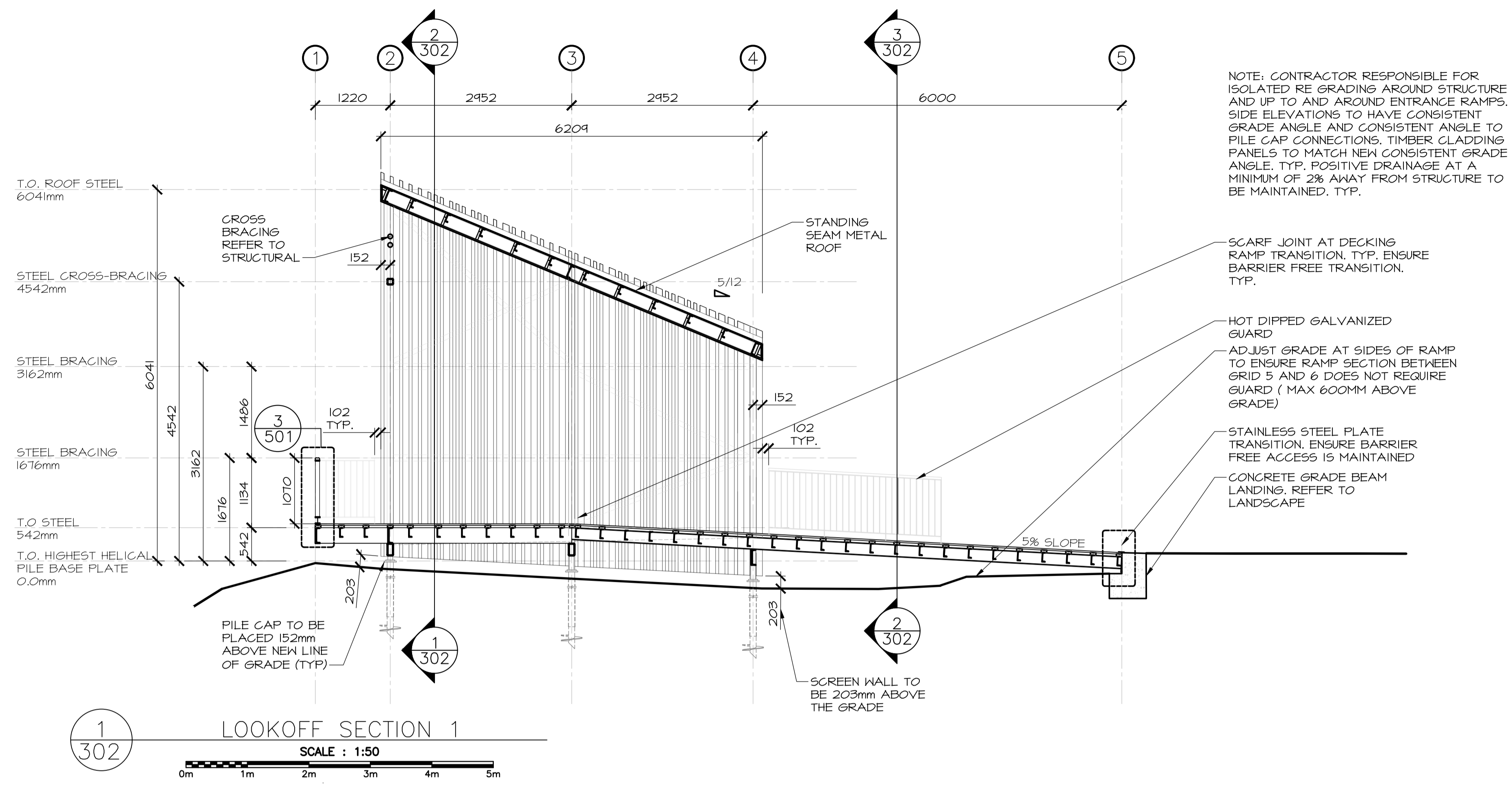
approved approuvé

Tender Soumission

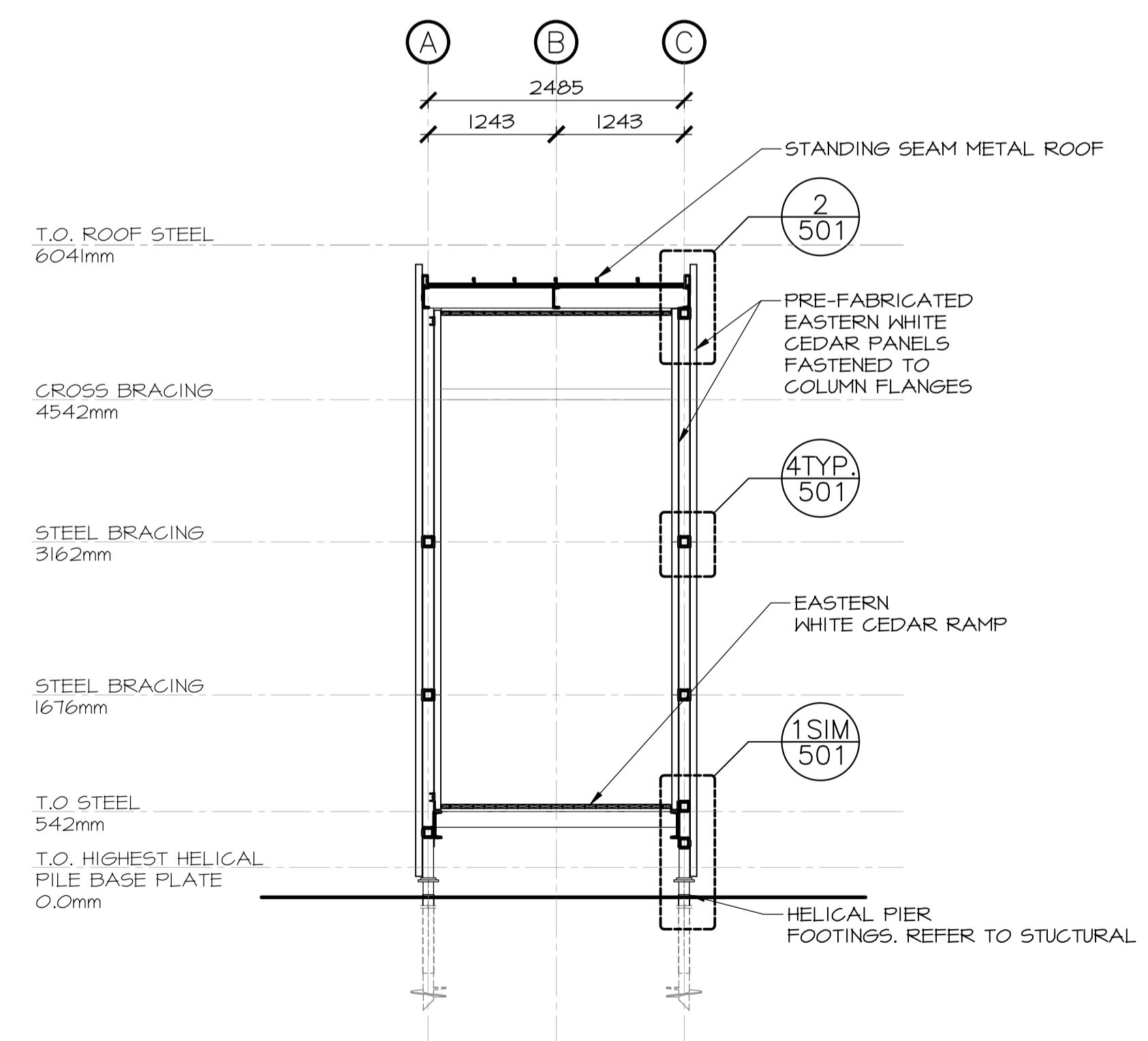
PWCSG Project Manager Administrateur de projets TPSGC

project number no. du projet 604

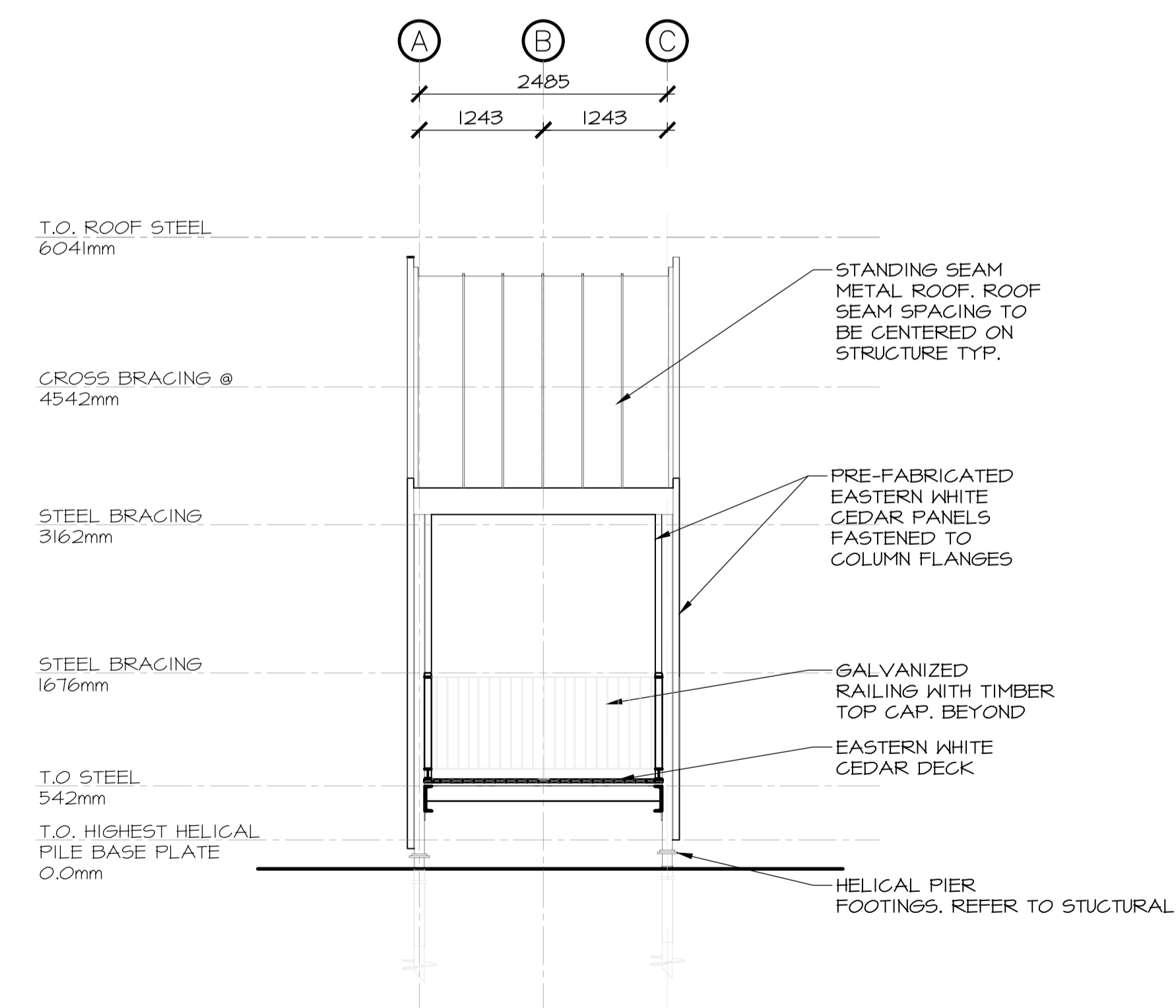
drawing no. no. du dessin A-301



1
302
SCALE : 1:50
0m 1m 2m 3m 4m 5m



2
302
SCALE : 1:50
0m 1m 2m 3m 4m 5m



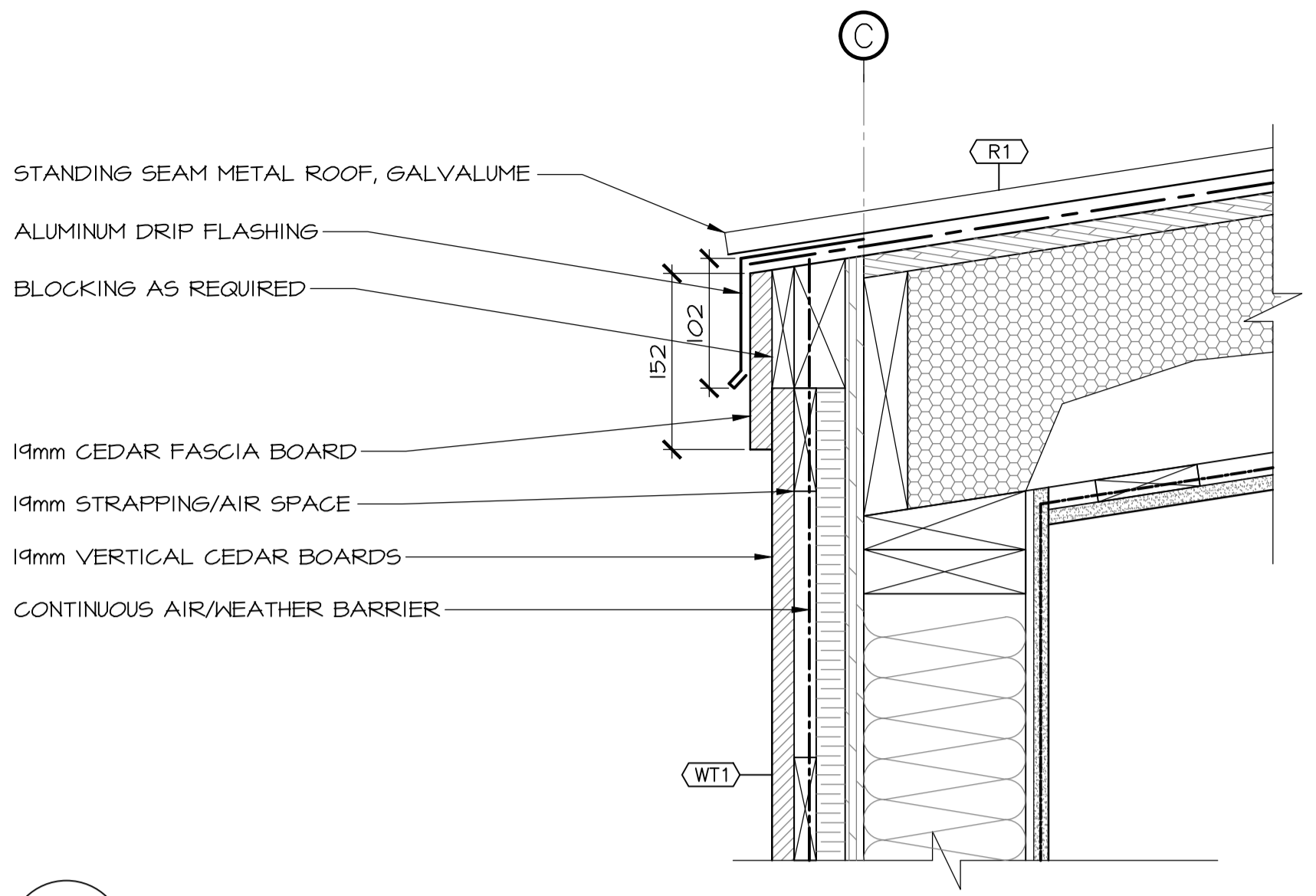
3
302
SCALE : 1:50
0m 1m 2m 3m 4m 5m

3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016
revisions		date

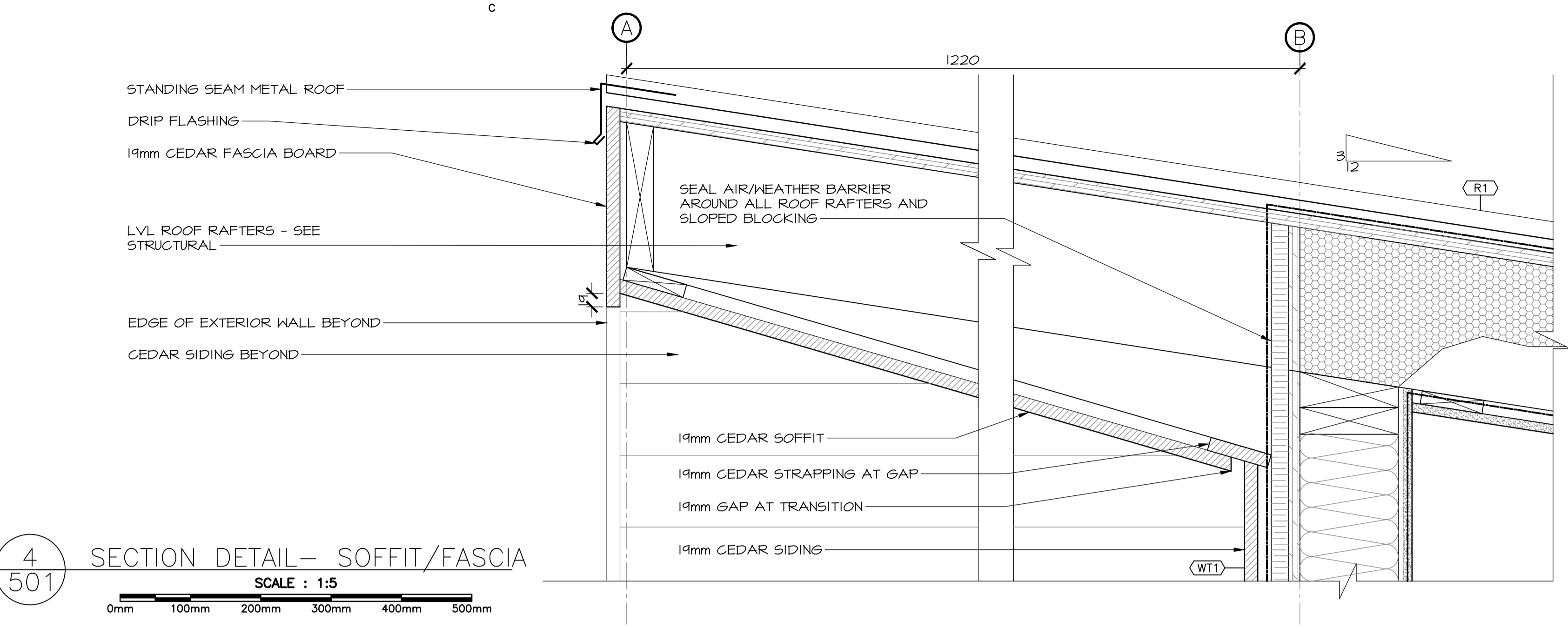
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing
NORTH SITE LOOKOFF SECTIONS

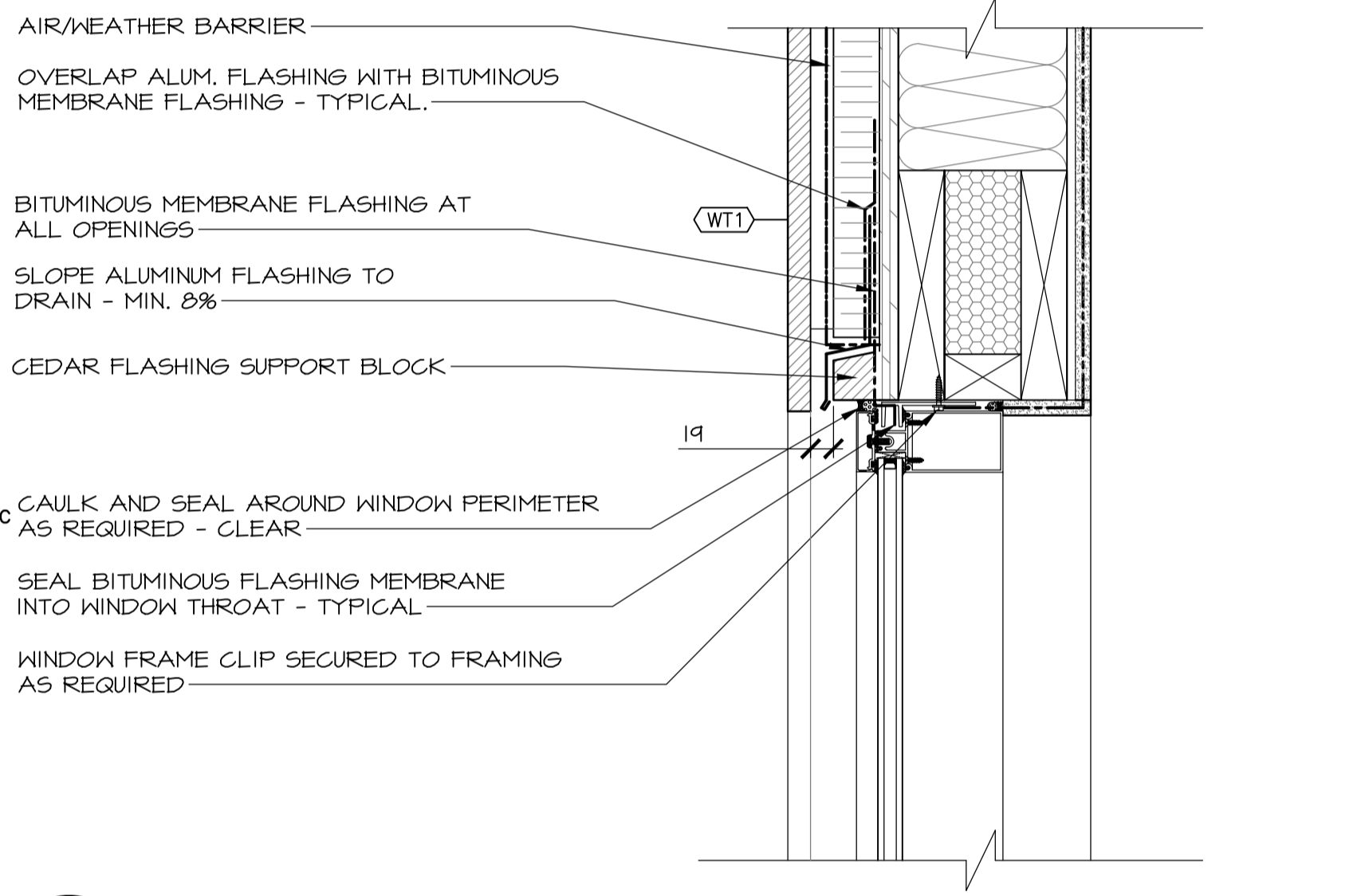
designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSGC	
project number	604	no. du projet
drawing no.	A-302	no. du dessin



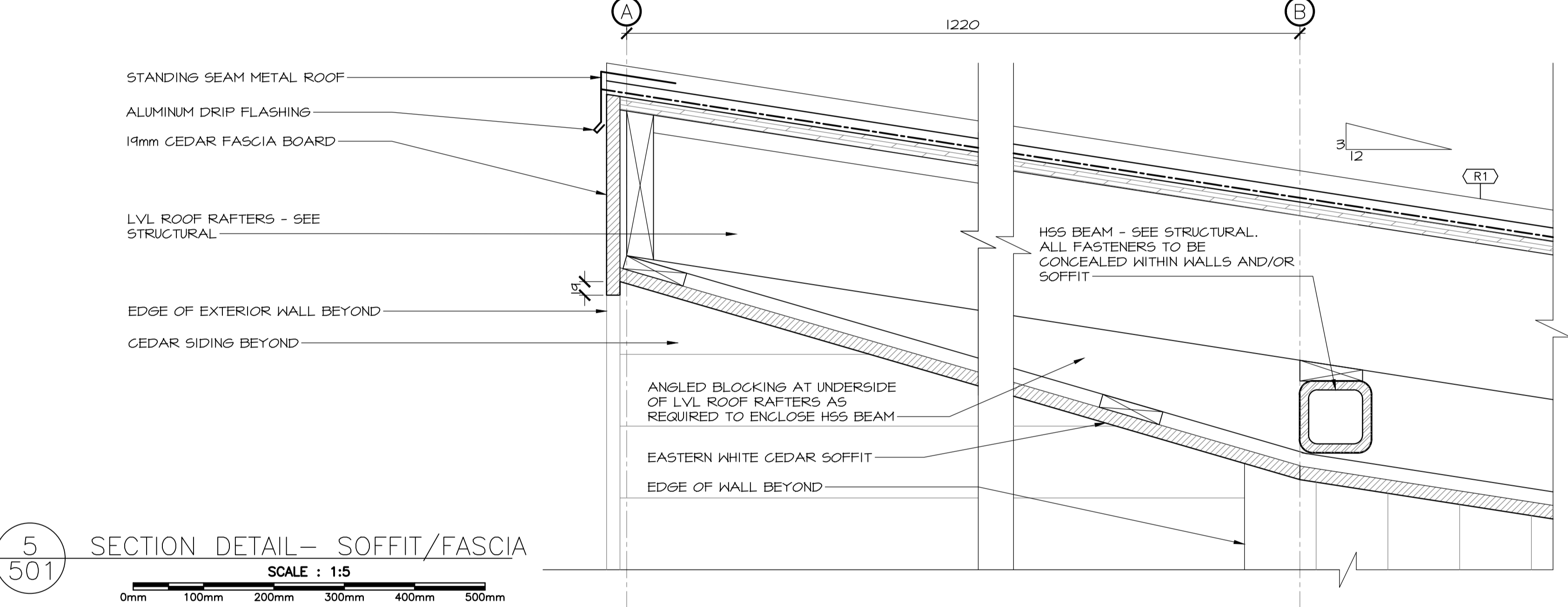
1 SECTION DETAIL— ROOF END
501 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



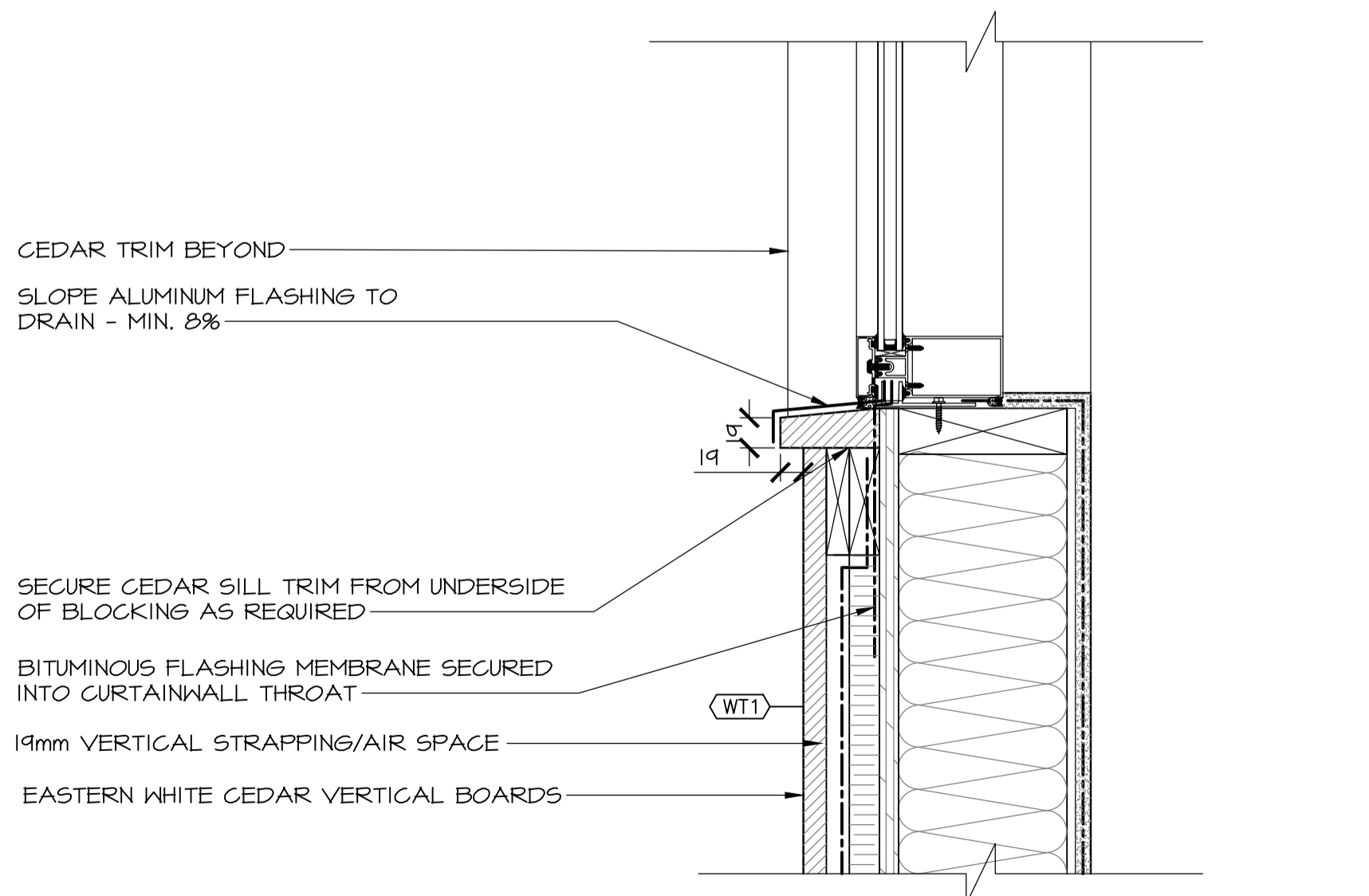
4 SECTION DETAIL— SOFFIT/FASCIA
501 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



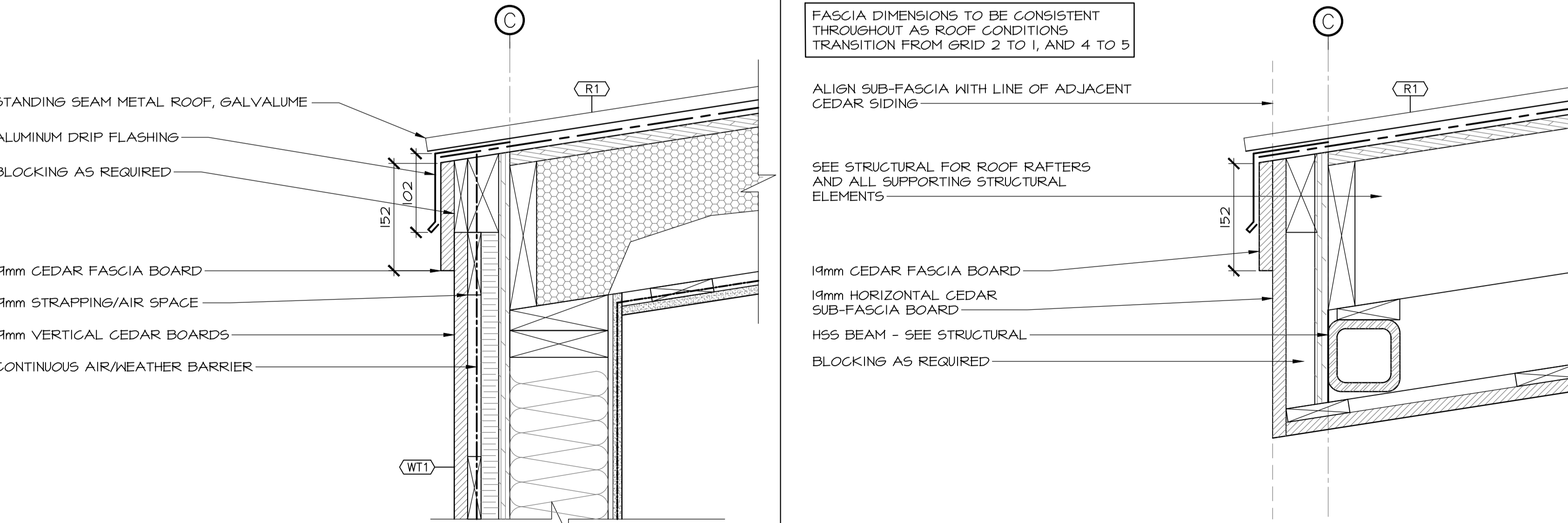
2 SECTION DETAIL—HEADER
501 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



5 SECTION DETAIL— SOFFIT/FASCIA
501 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



3 SECTION DETAIL—WINDOW SILL
501 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



6 SECTION DETAIL— ROOF FASCIA
501 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

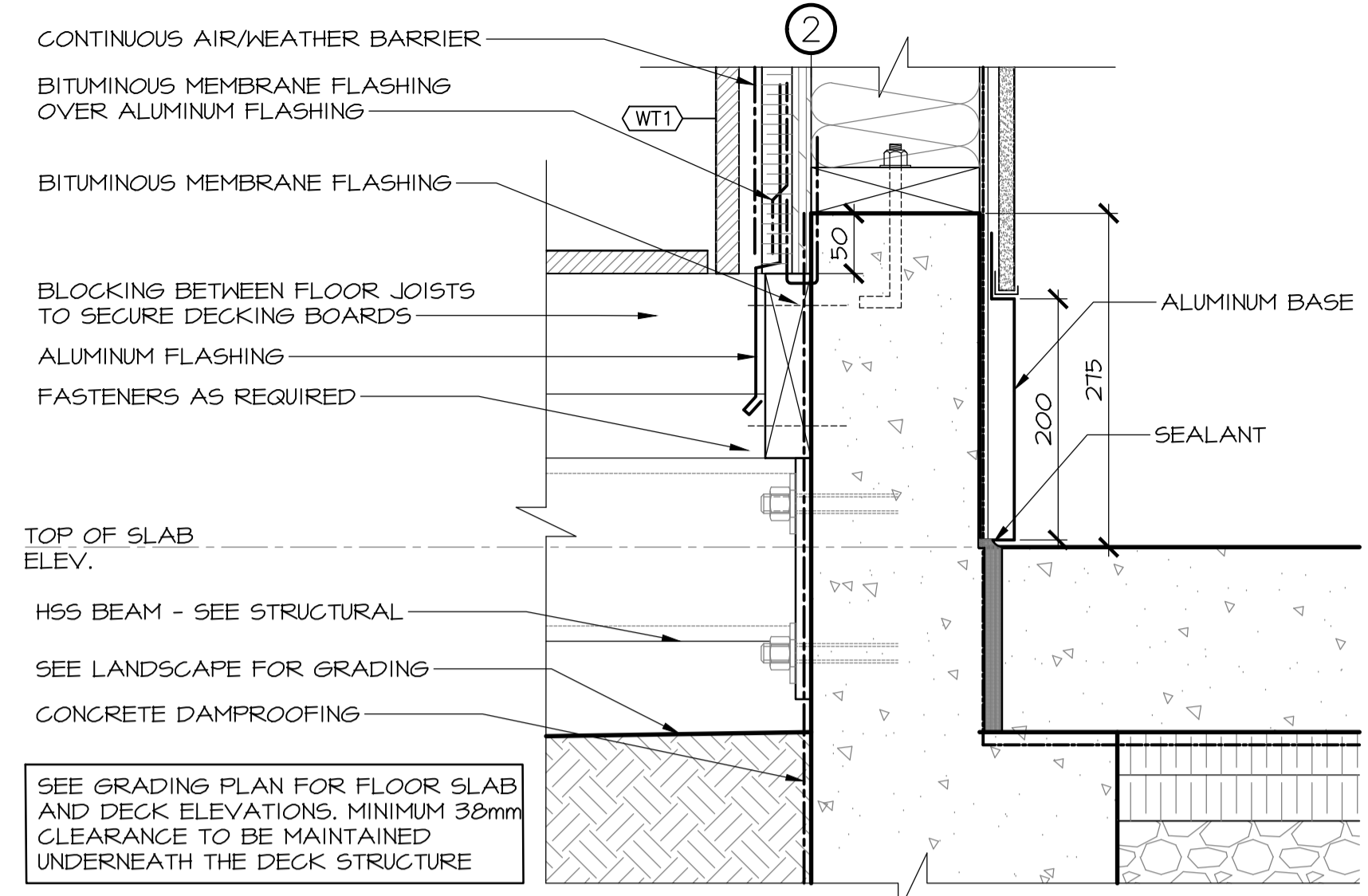
7 SECTION DETAIL — ROOF EDGE
501 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

revisions		date
3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016

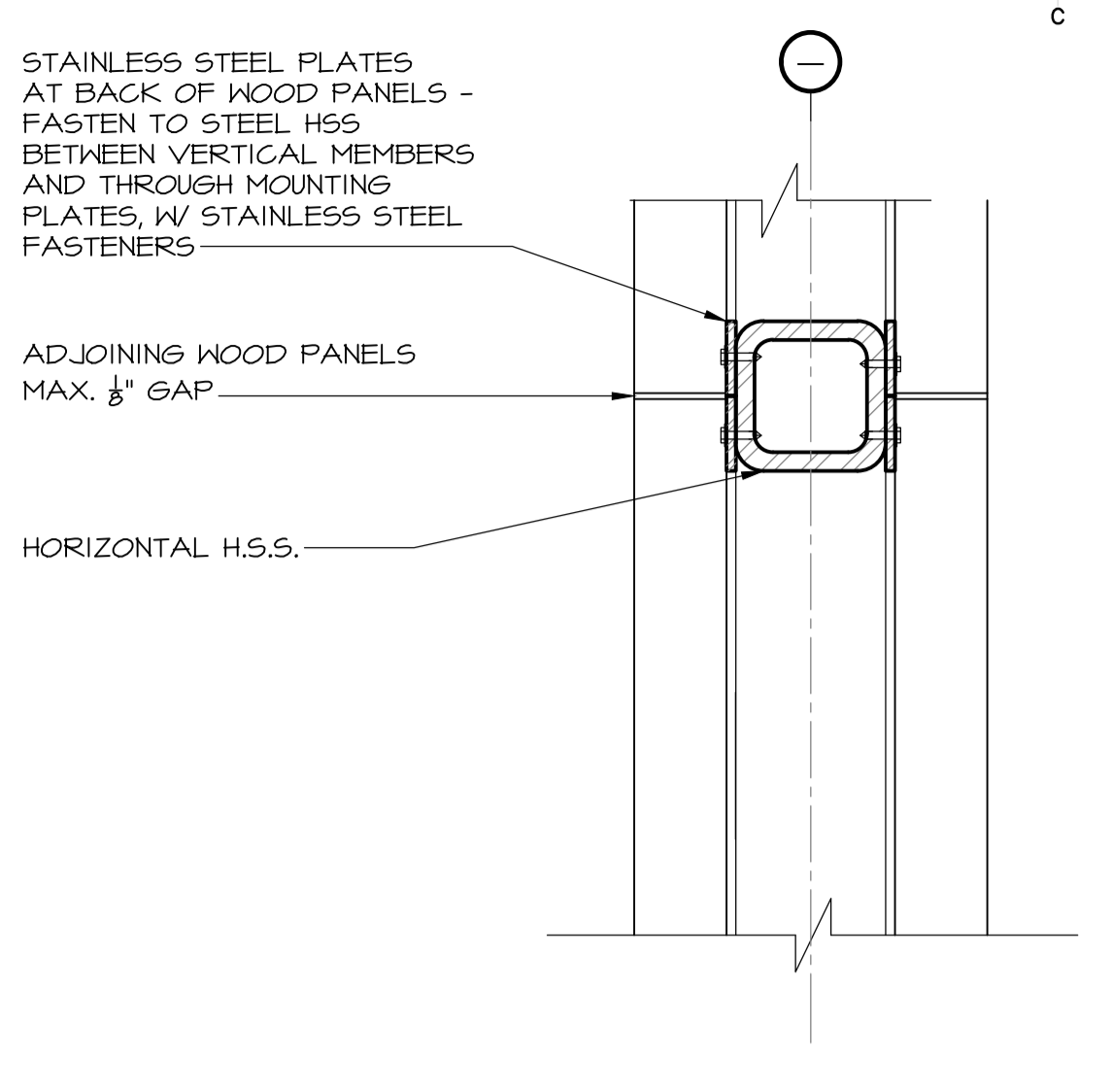
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing
NORTH SITE PAVILION DETAILS

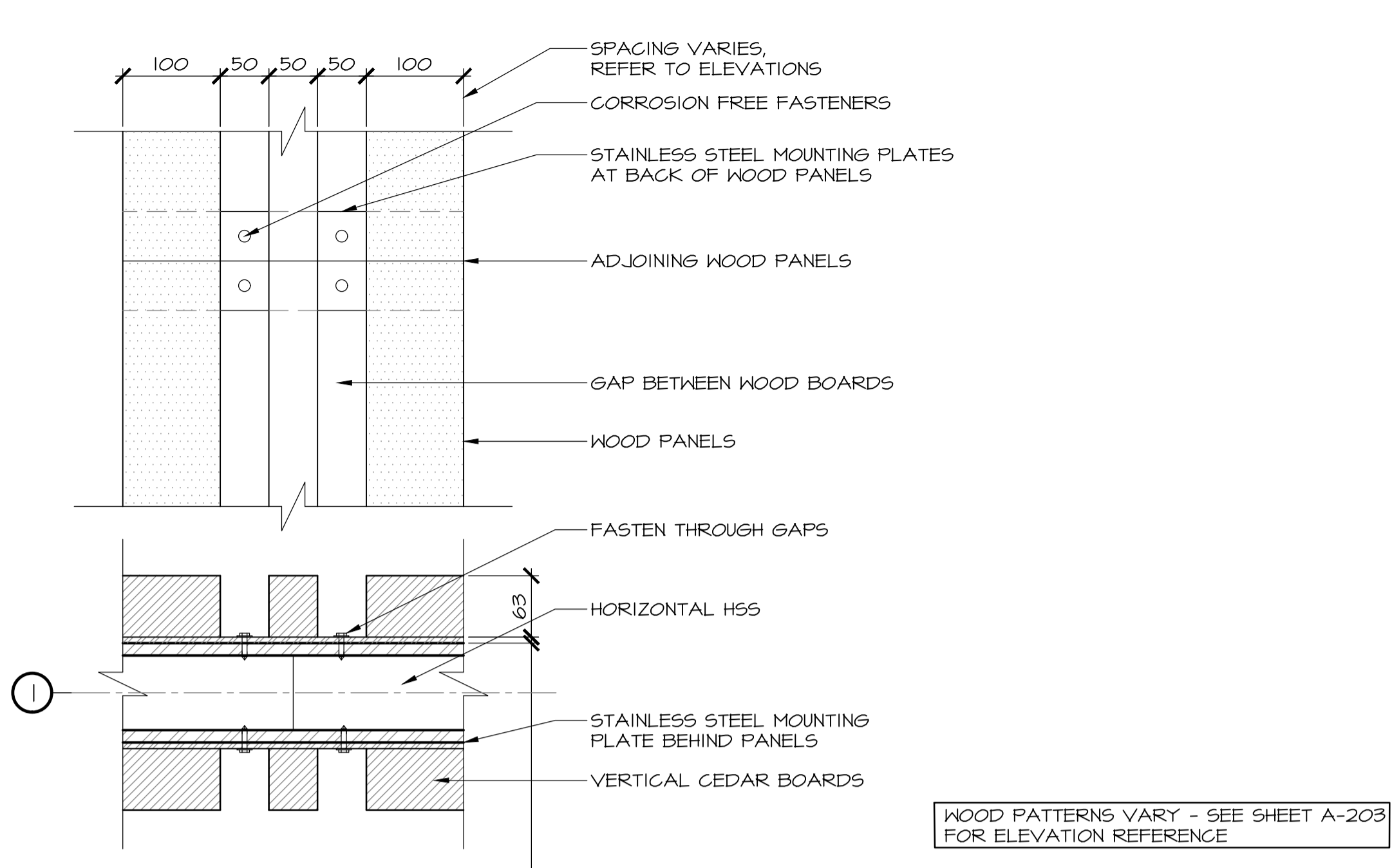
designed CC/JB/BR/SC/KP
date
drawn BR/JB
date
approved
date
Tender
PWGSC Project Manager
project number 604
drawing no. A-501



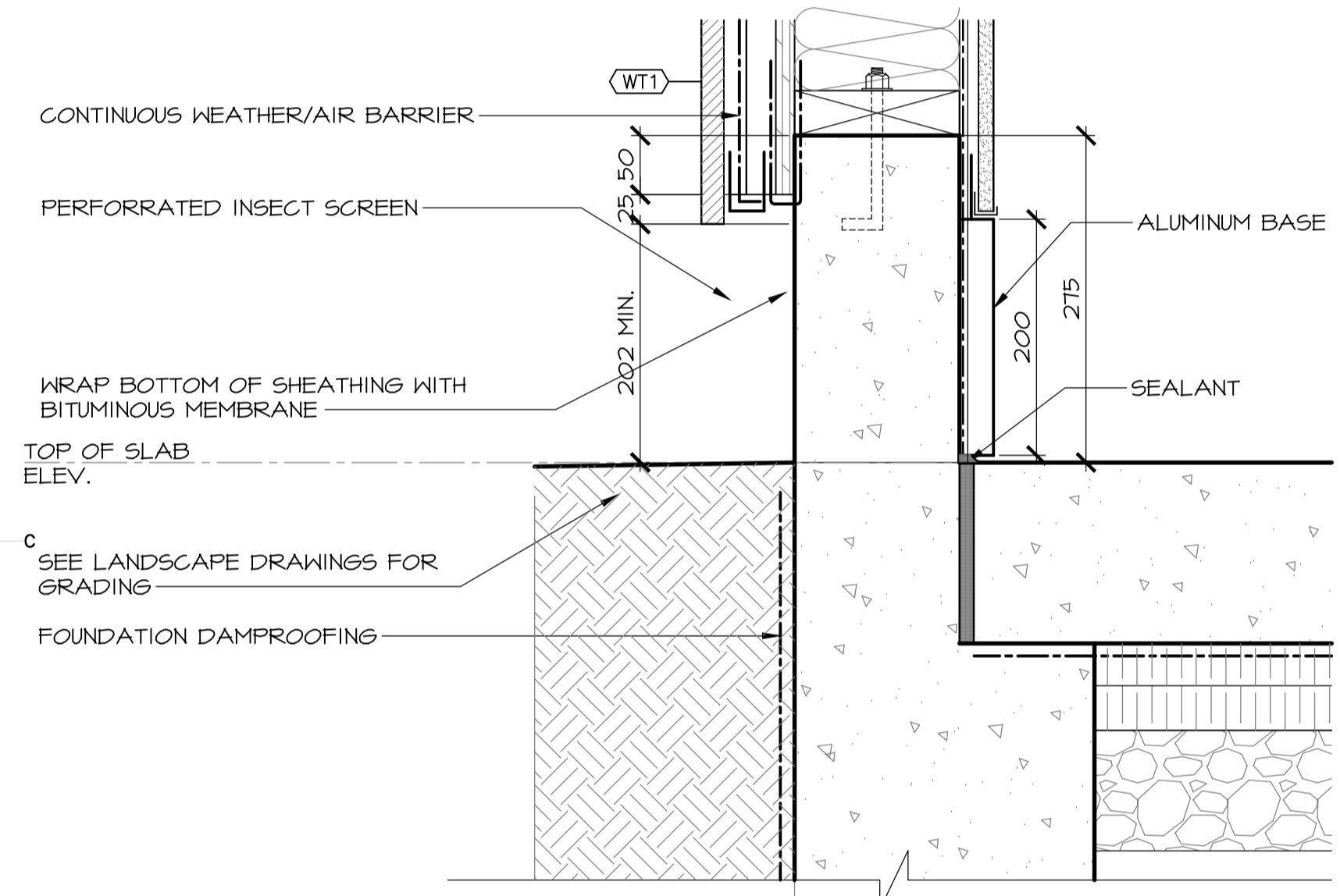
1 SECTION DETAIL - BASE AT DECK
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



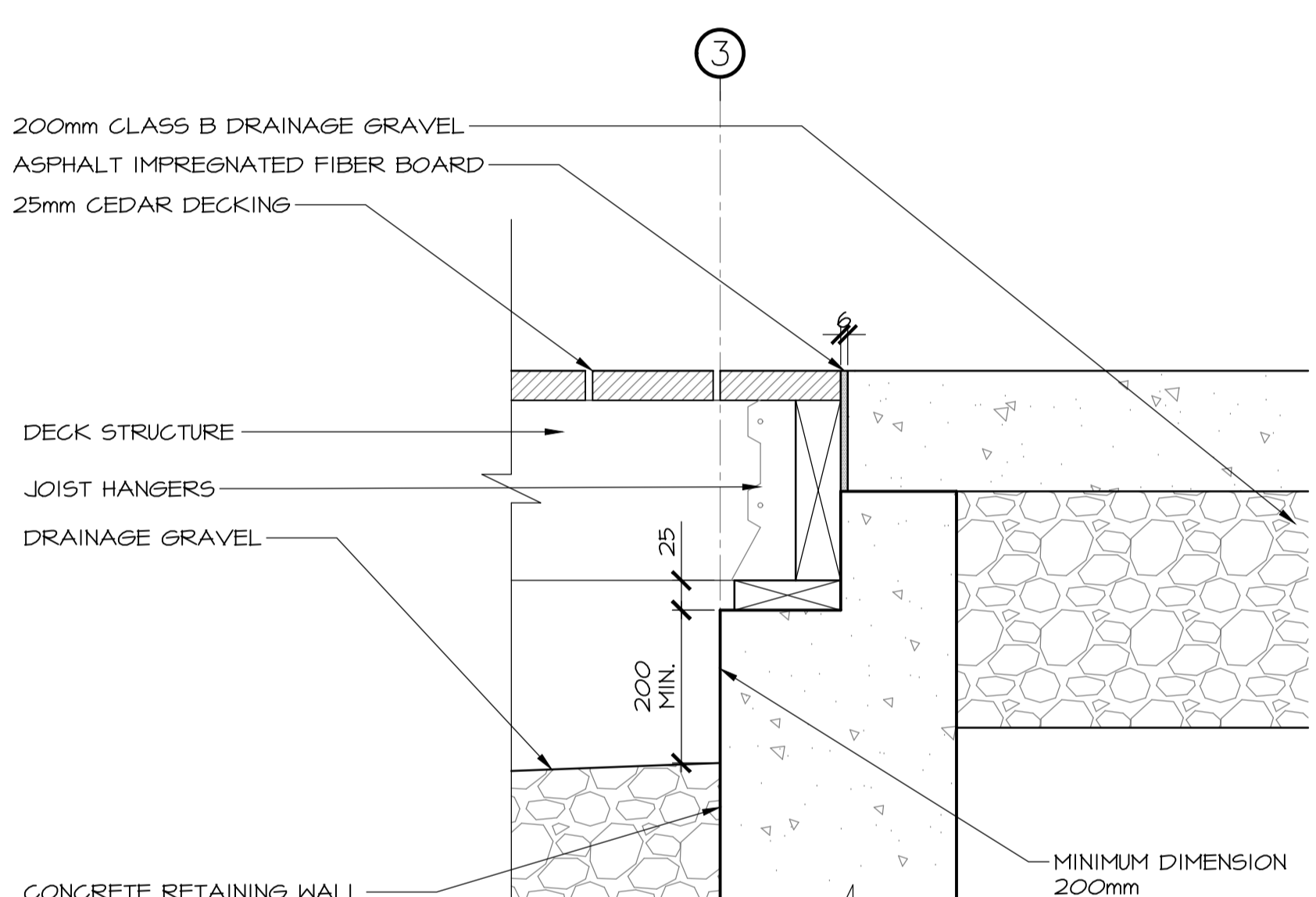
4 SECTION DETAIL - TYPICAL PANELS
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



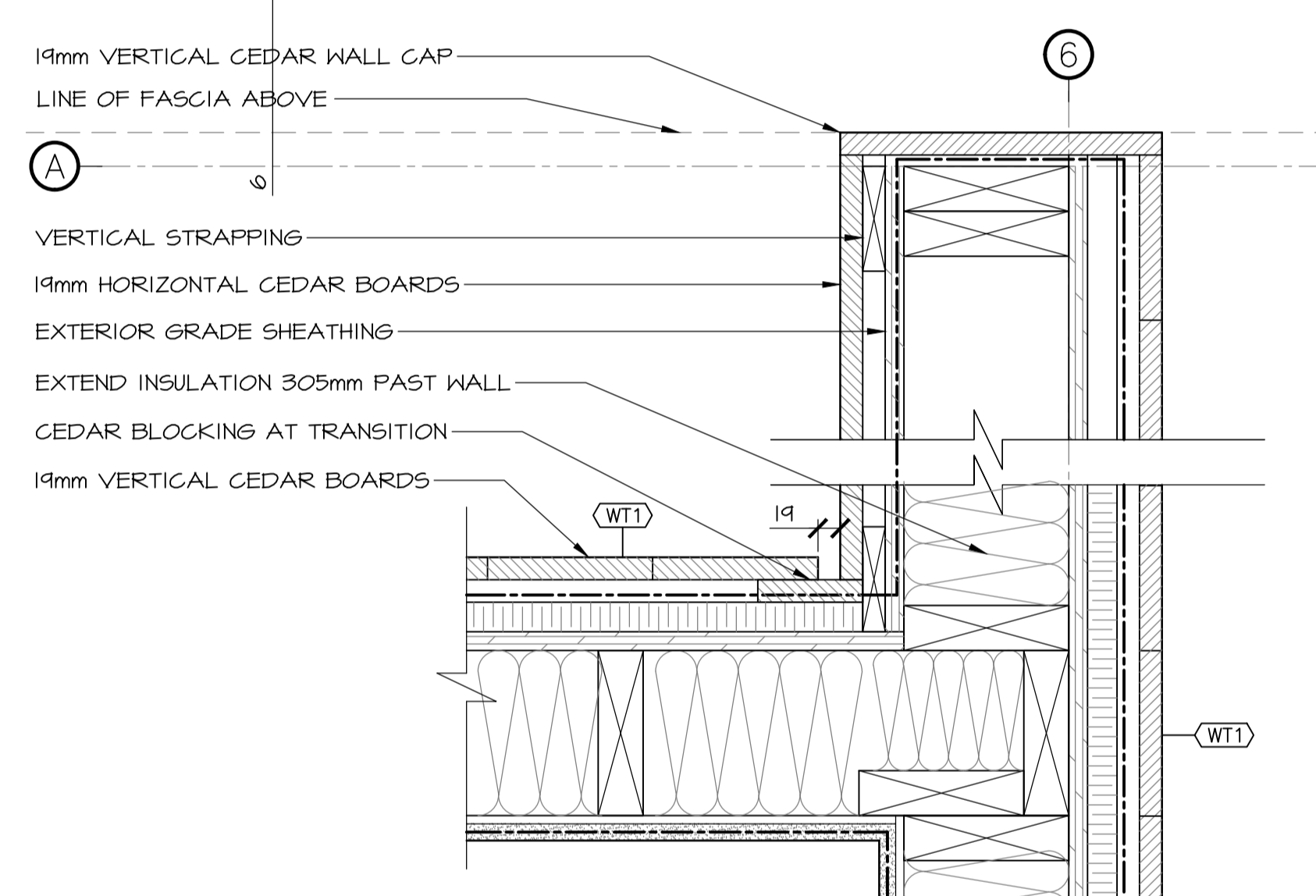
WOOD PATTERNS VARY - SEE SHEET A-203 FOR ELEVATION REFERENCE



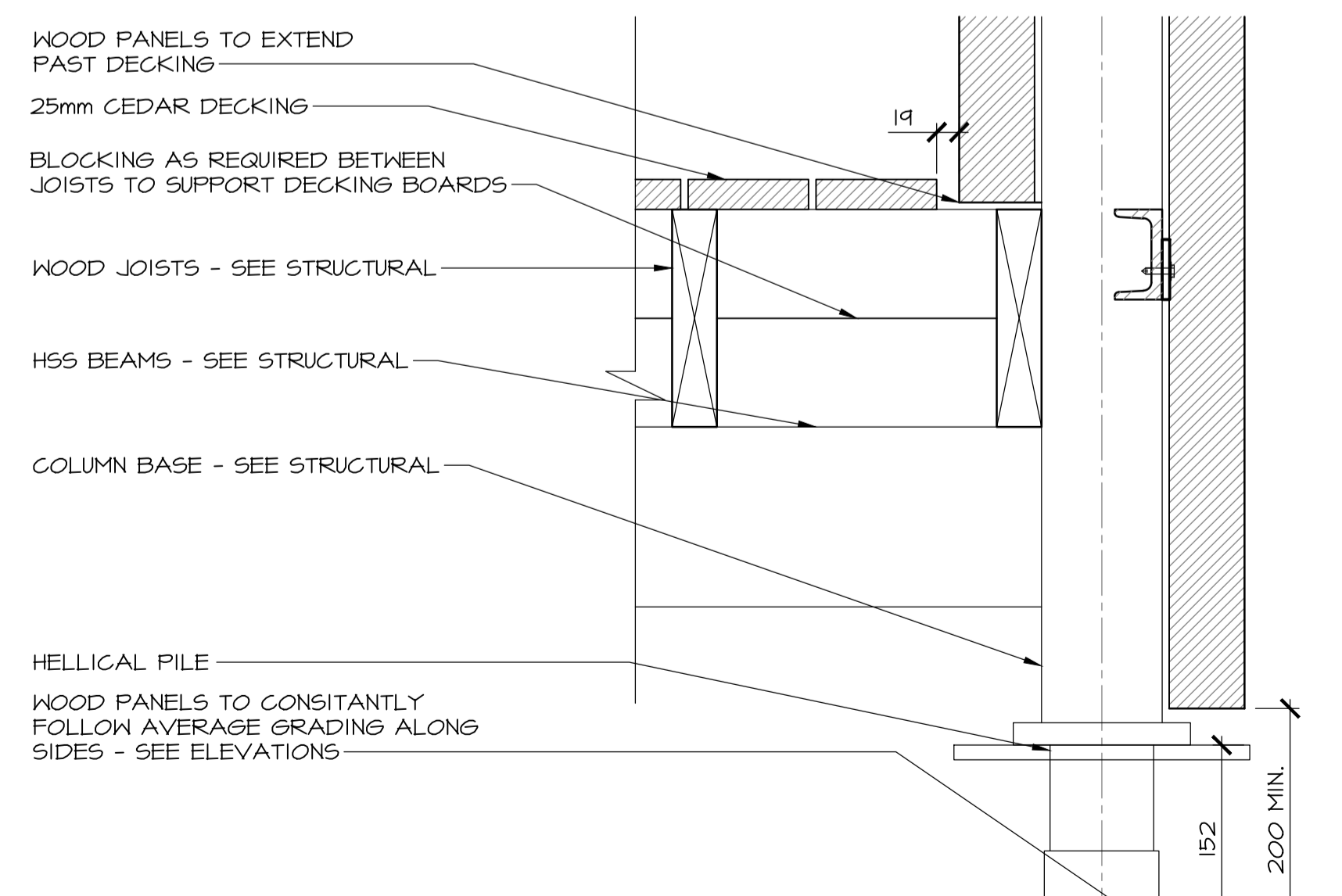
2 SECTION DETAIL - WALL BASE
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



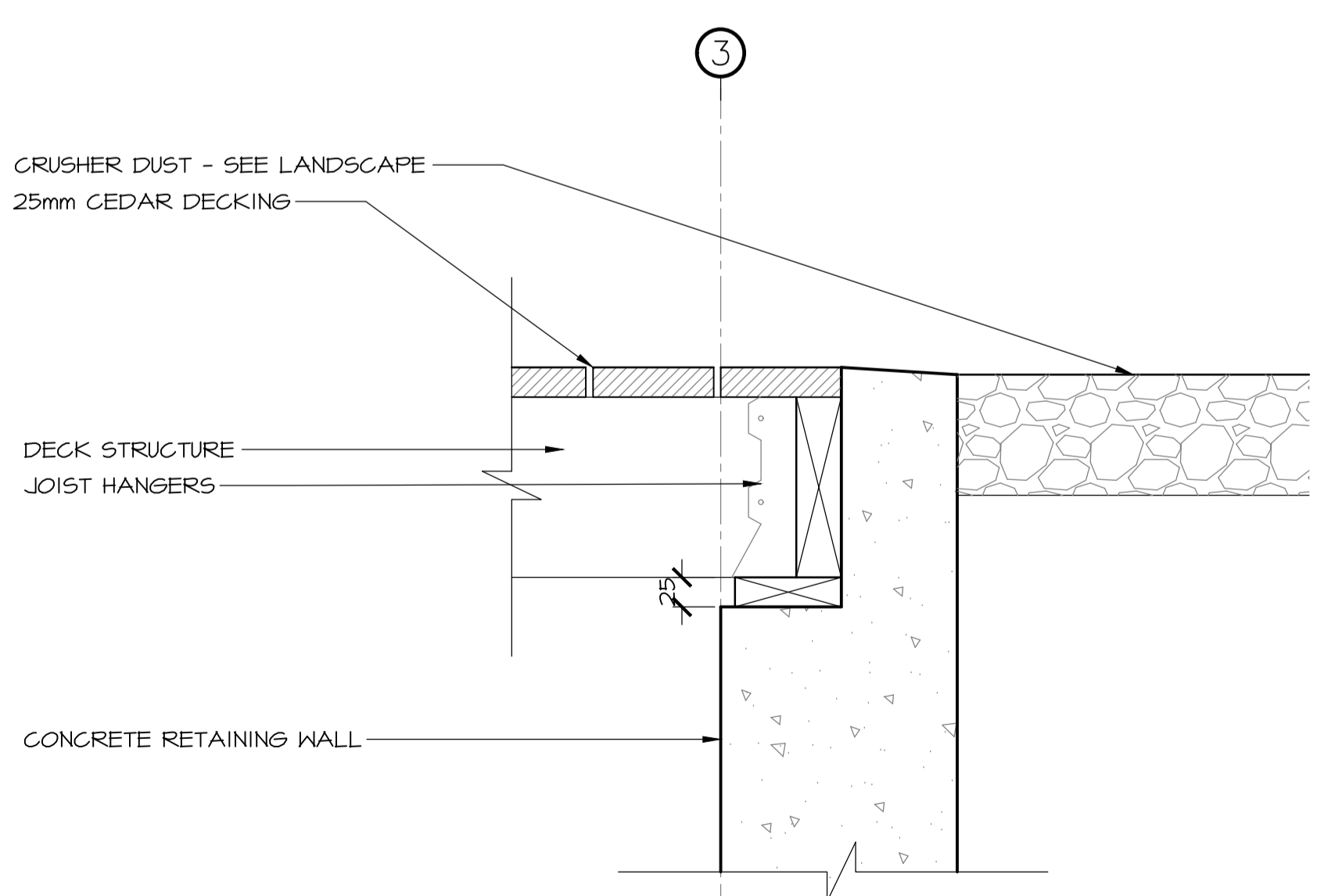
5 SECTION DETAIL - TRANSITION
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



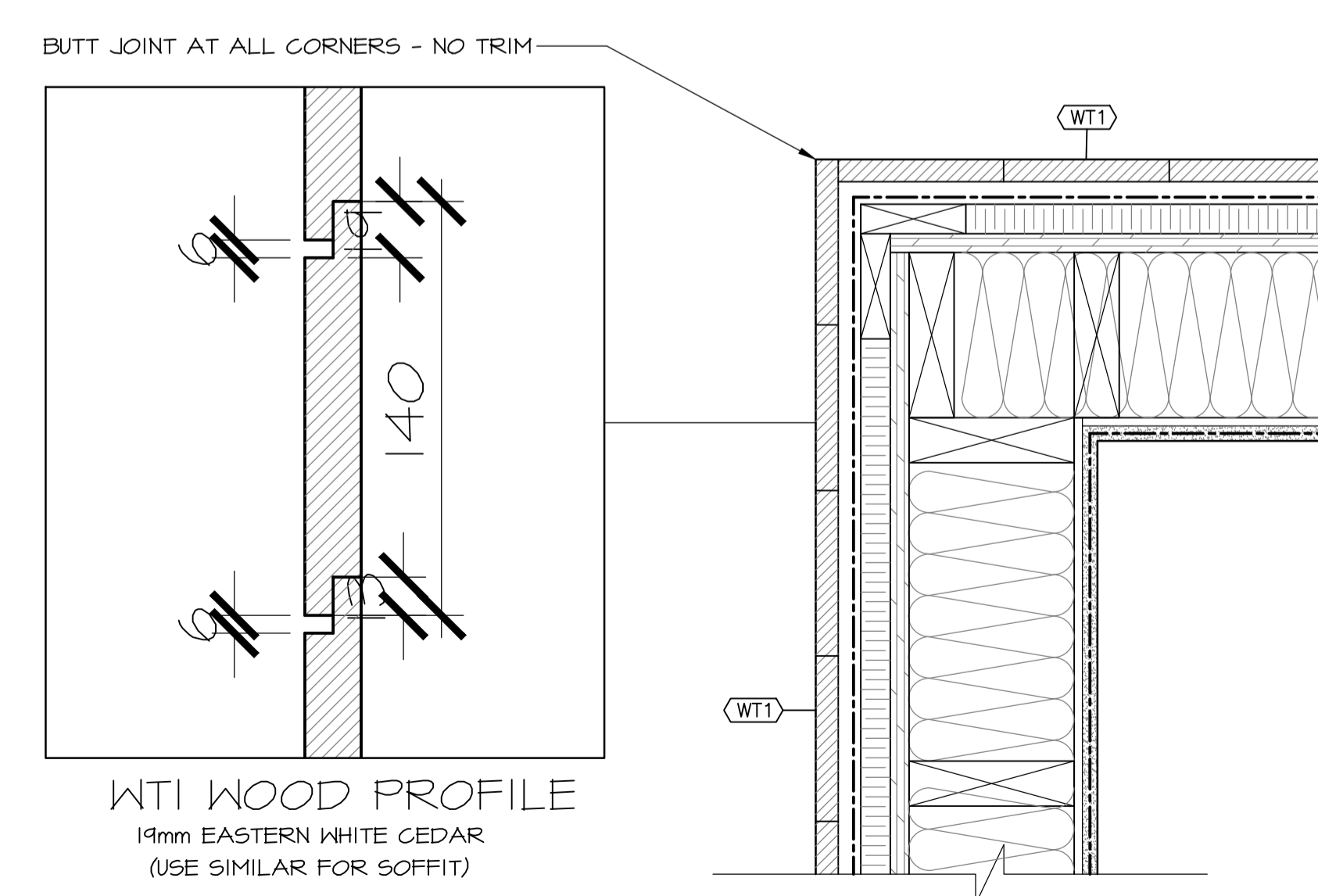
7 PLAN DETAIL - WALLS
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



3 SECTION DETAIL - BASE DETAIL
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



6 SECTION DETAIL - TRANSITION
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



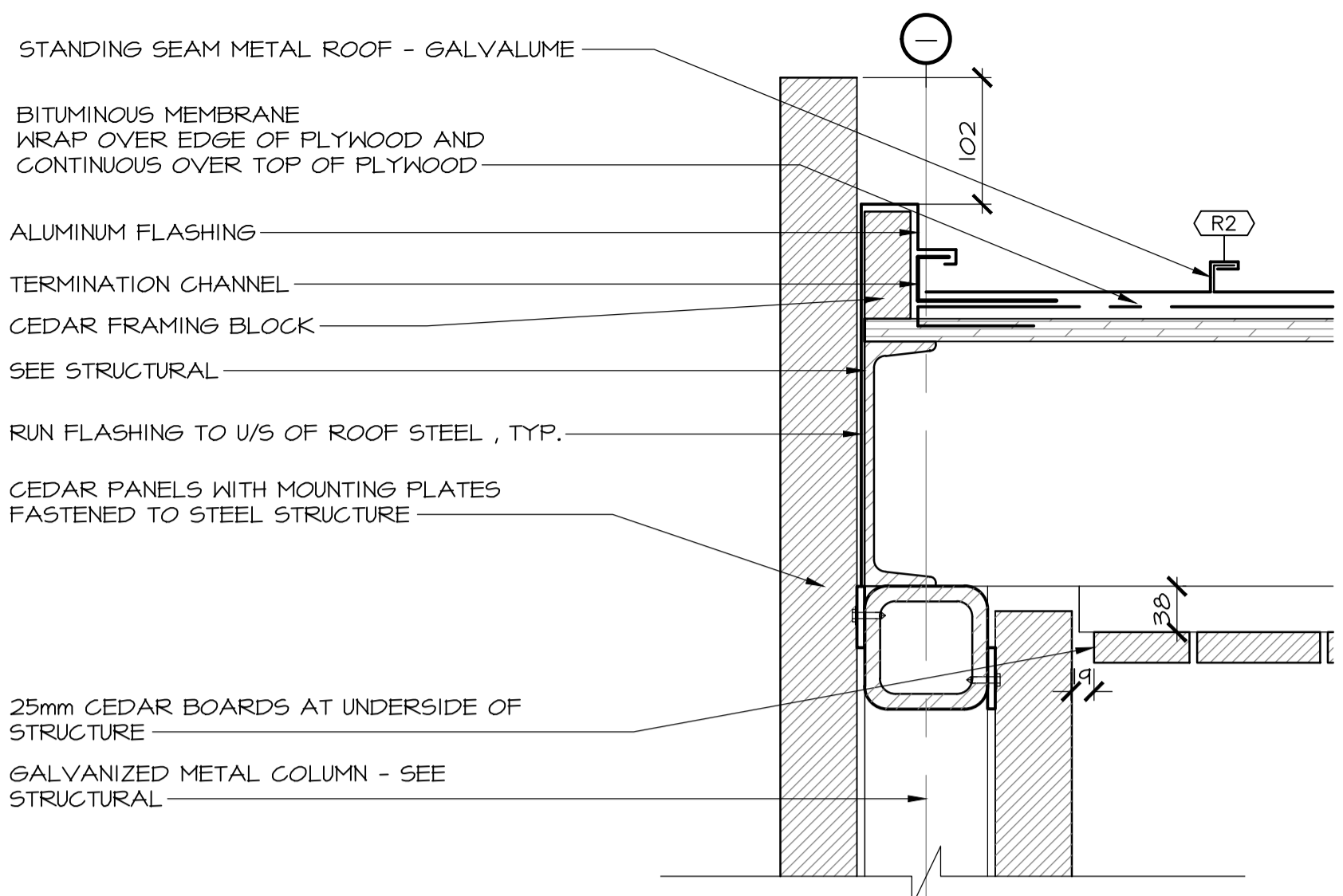
8 PLAN DETAIL - TYPICAL CORNER
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016
revisions		date

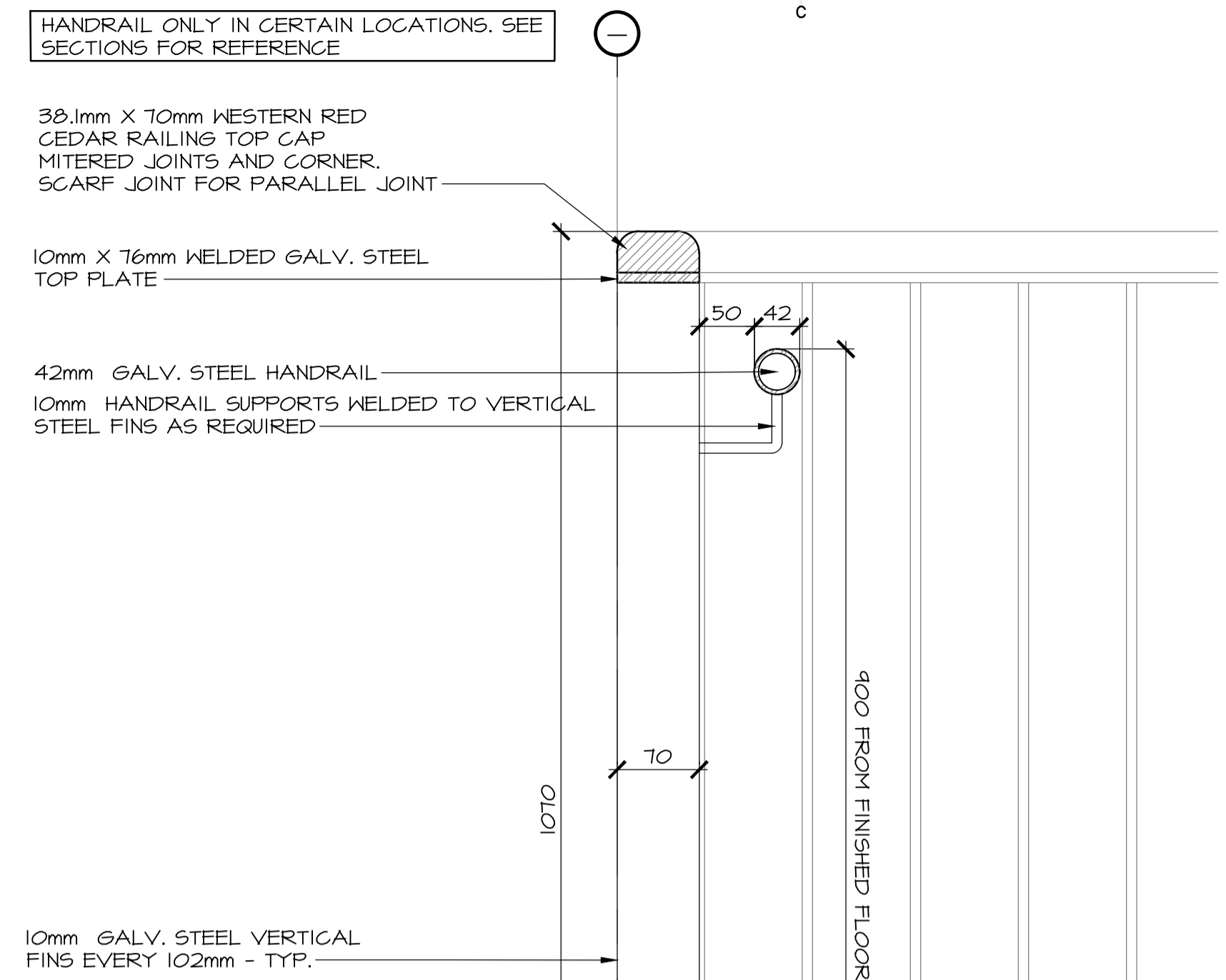
project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing
NORTH SITE MISCELLANEOUS DETAILS

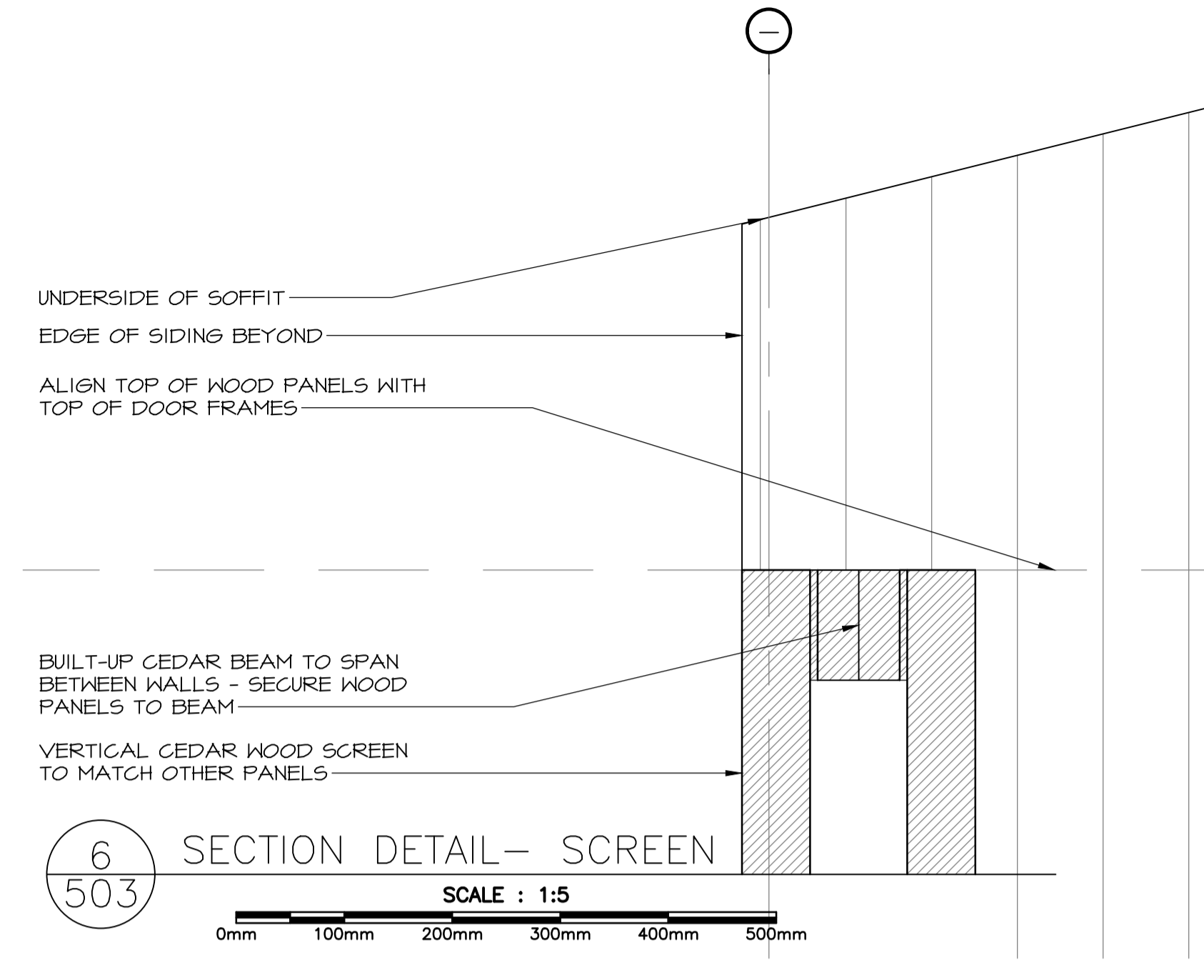
designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date		
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSCG	
project number	604	no. du projet
drawing no.	A-502	no. du dessin



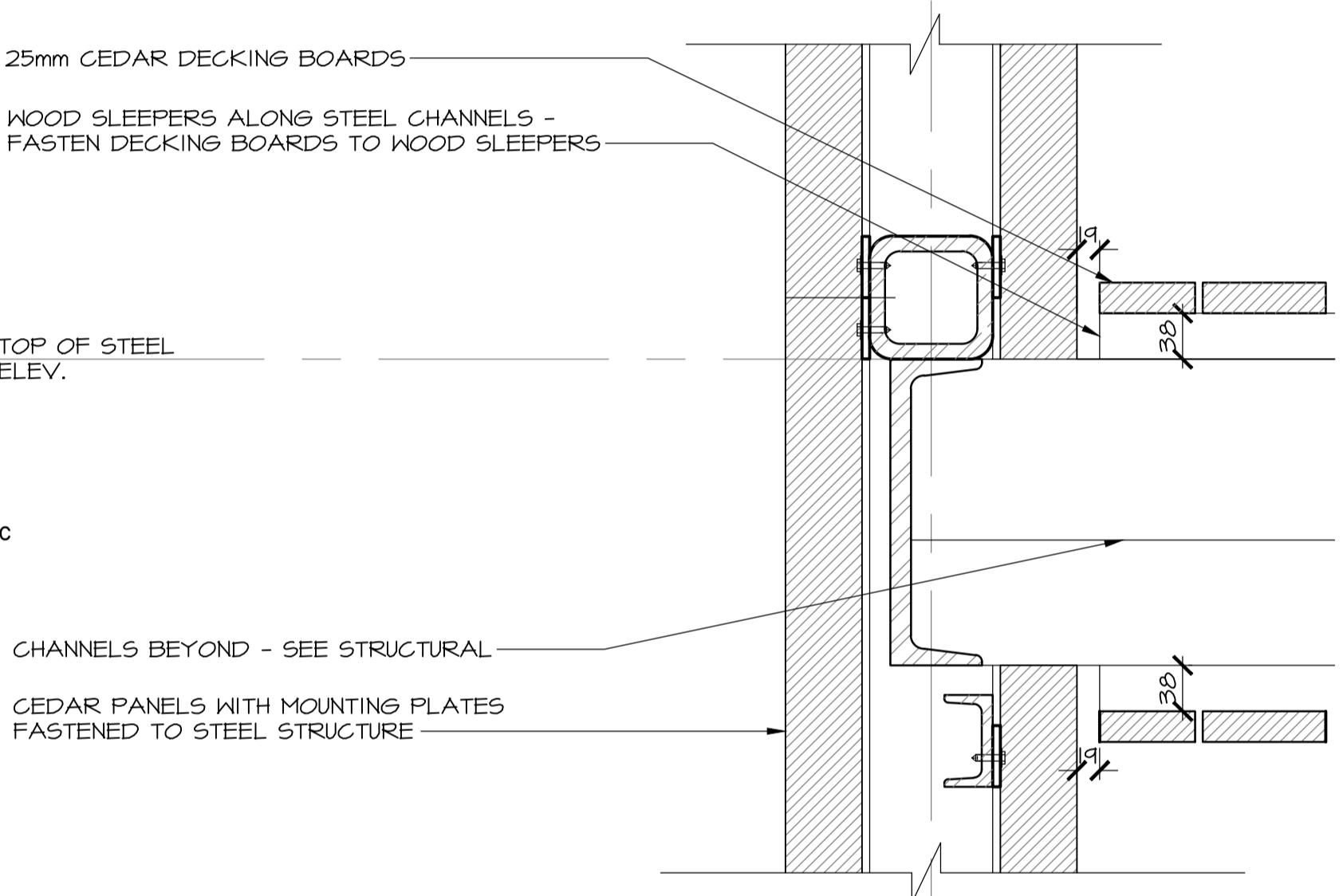
1 SECTION DETAIL- PANELS @ ROOF
503 SCALE : 1:5



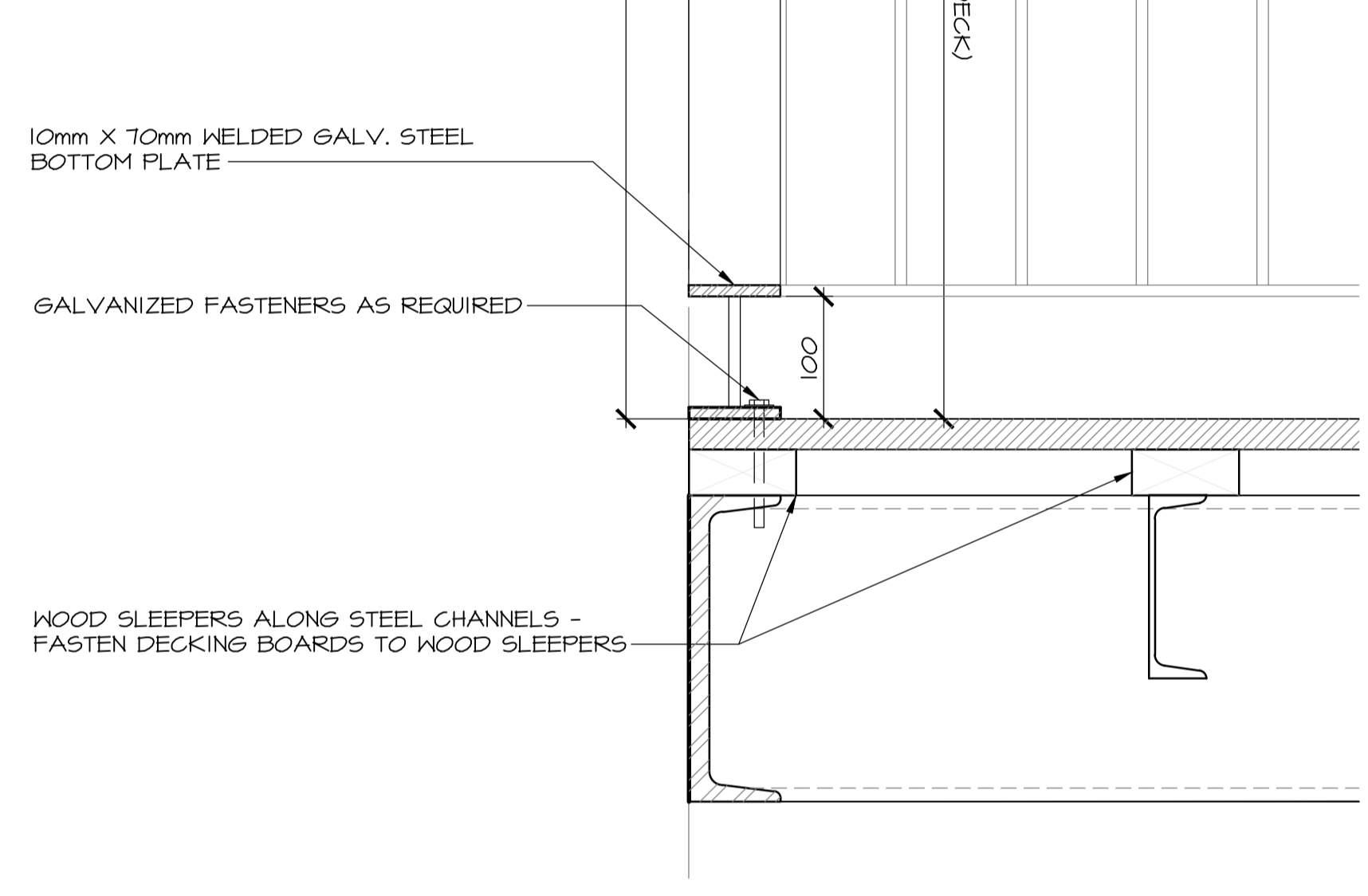
4 SECTION DETAIL- GUARD/HAND RAIL
503 SCALE : 1:5



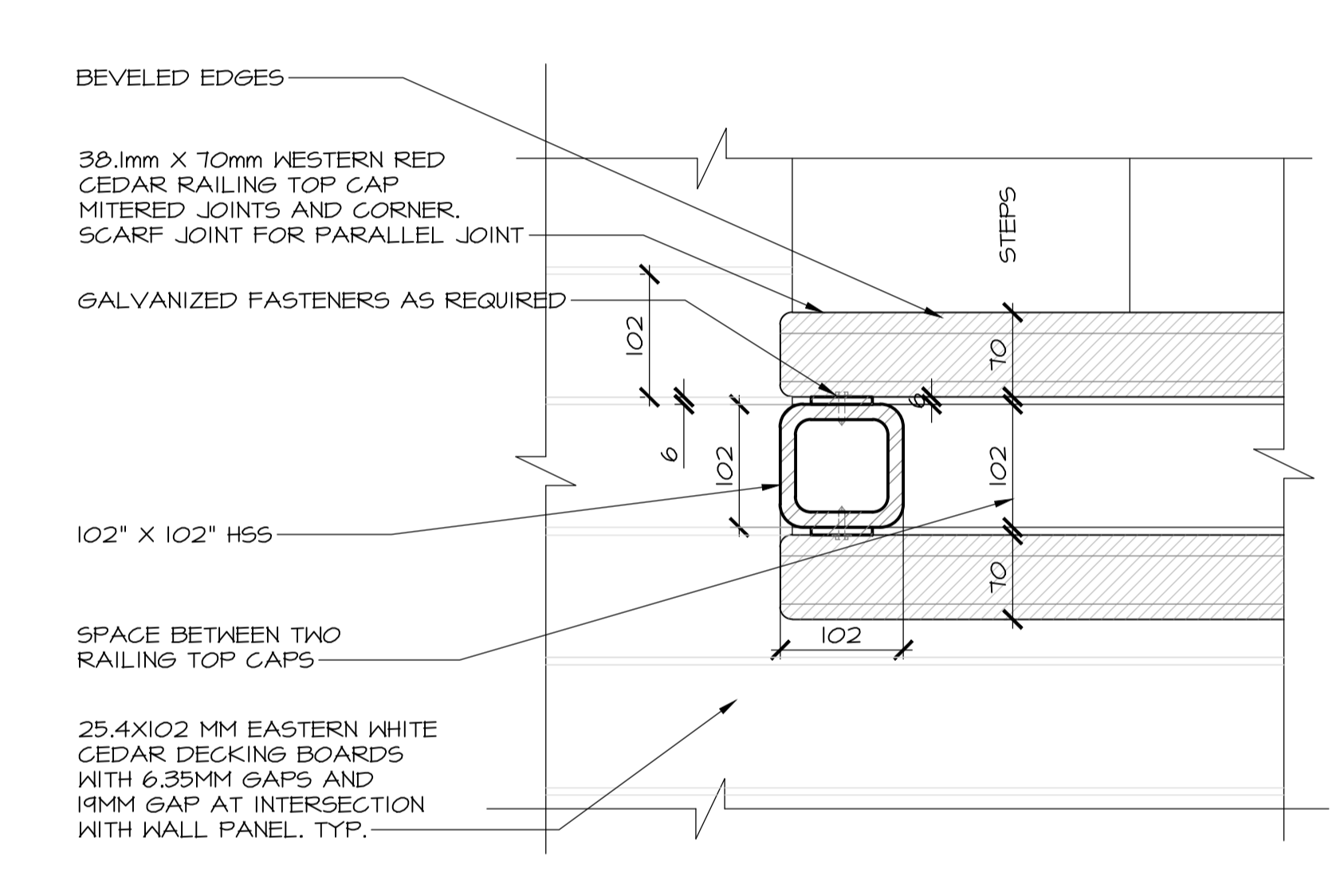
6 SECTION DETAIL- SCREEN
503 SCALE : 1:5



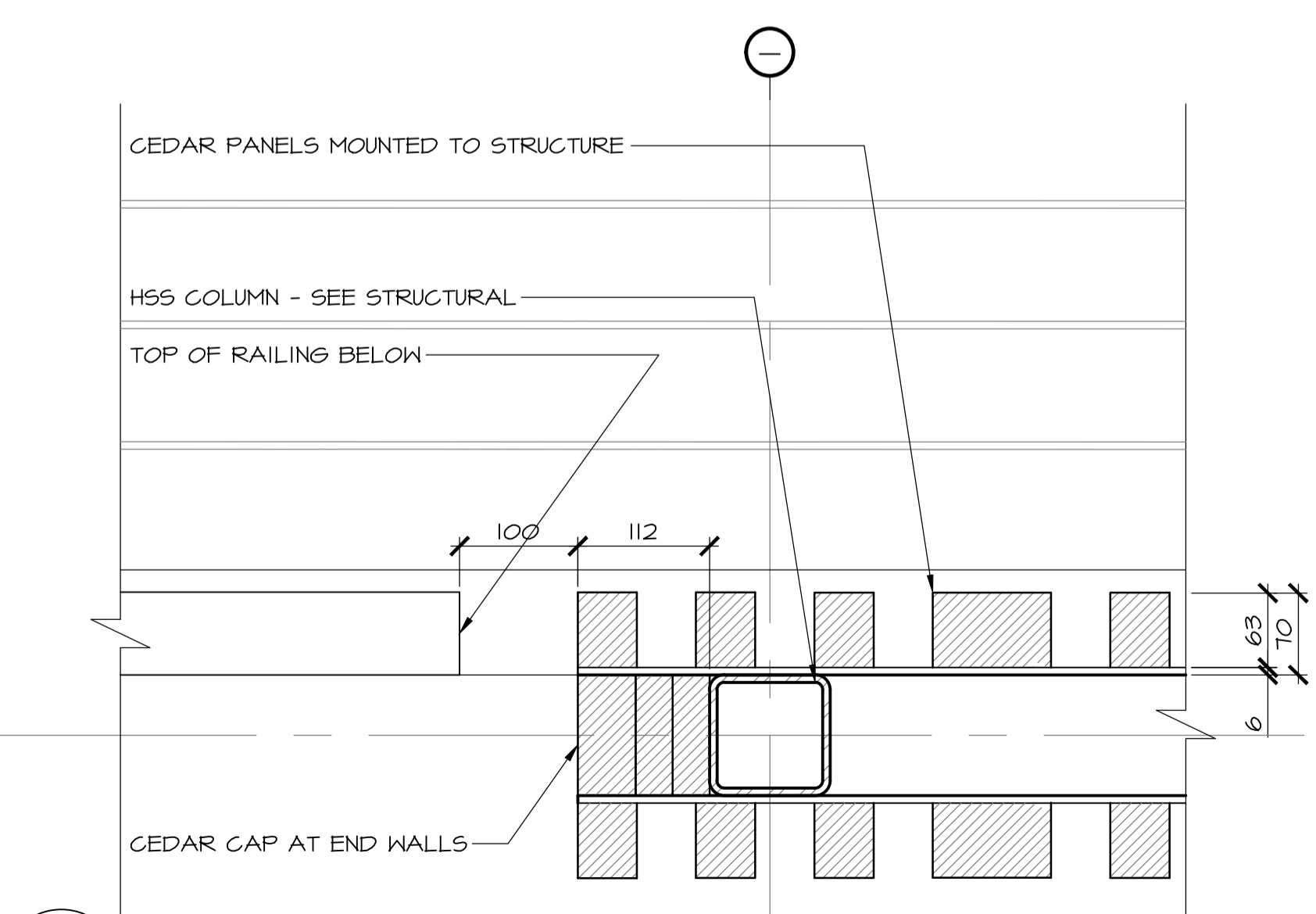
2 SECTION DETAIL- PANELS @ FLOOR
503 SCALE : 1:5



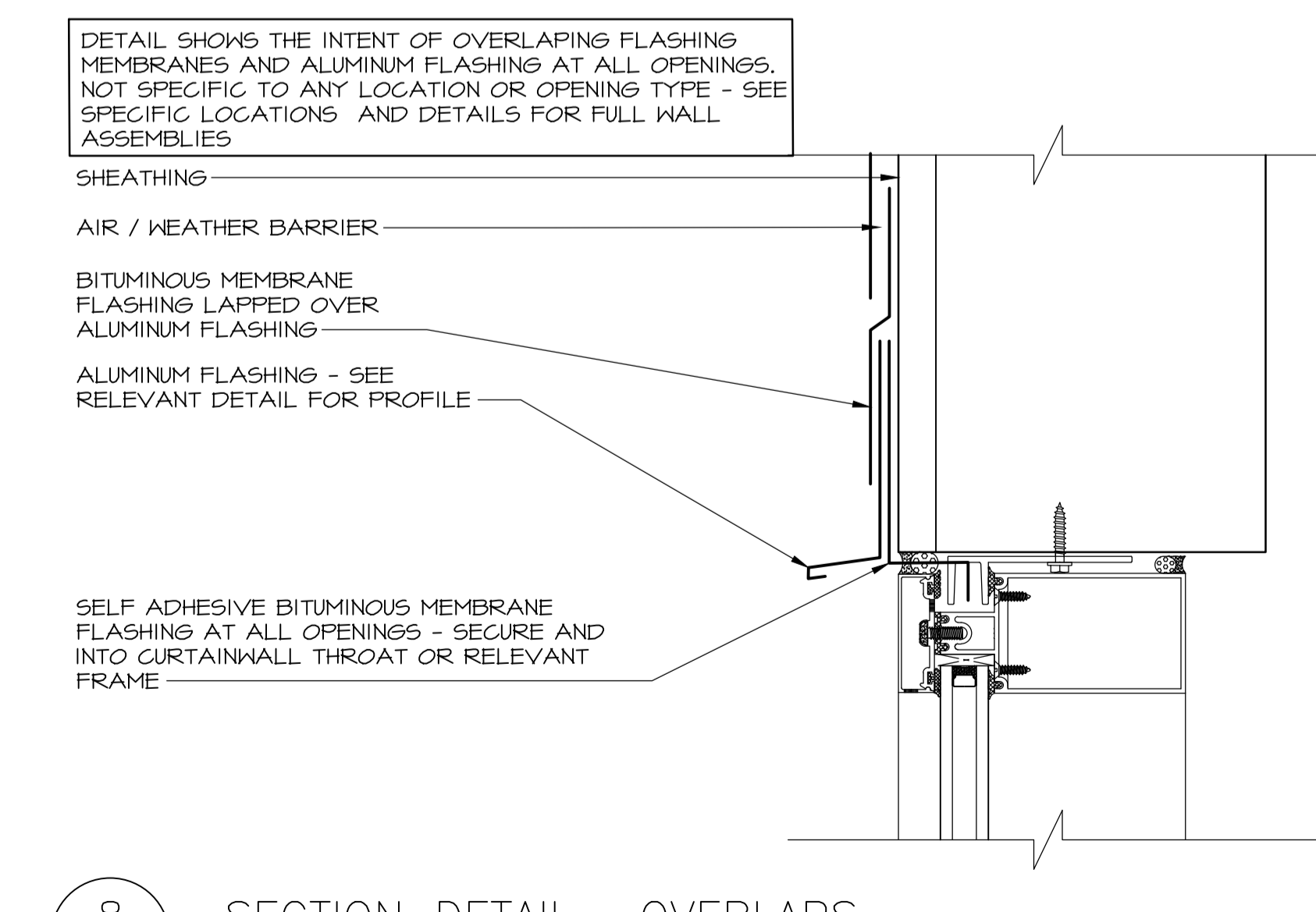
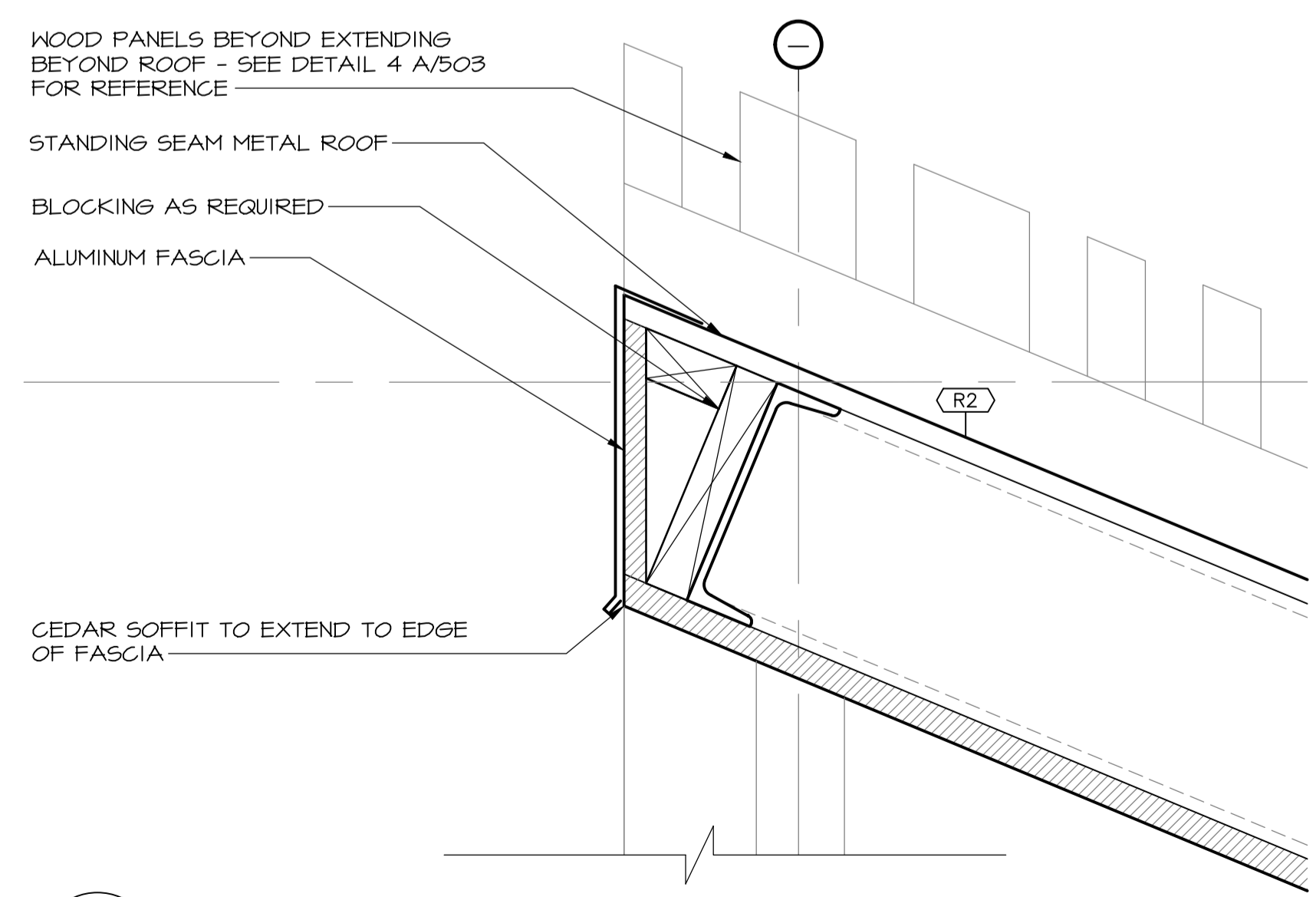
5 SECTION DETAIL- ROOF EDGE
503 SCALE : 1:5



7 PLAN DETAIL - COLUMN/RAILING/LANDING
503 SCALE : 1:5



3 PLAN DETAIL - WALL END
503 SCALE : 1:5



8 SECTION DETAIL- OVERLAPS
503 SCALE : 1:5

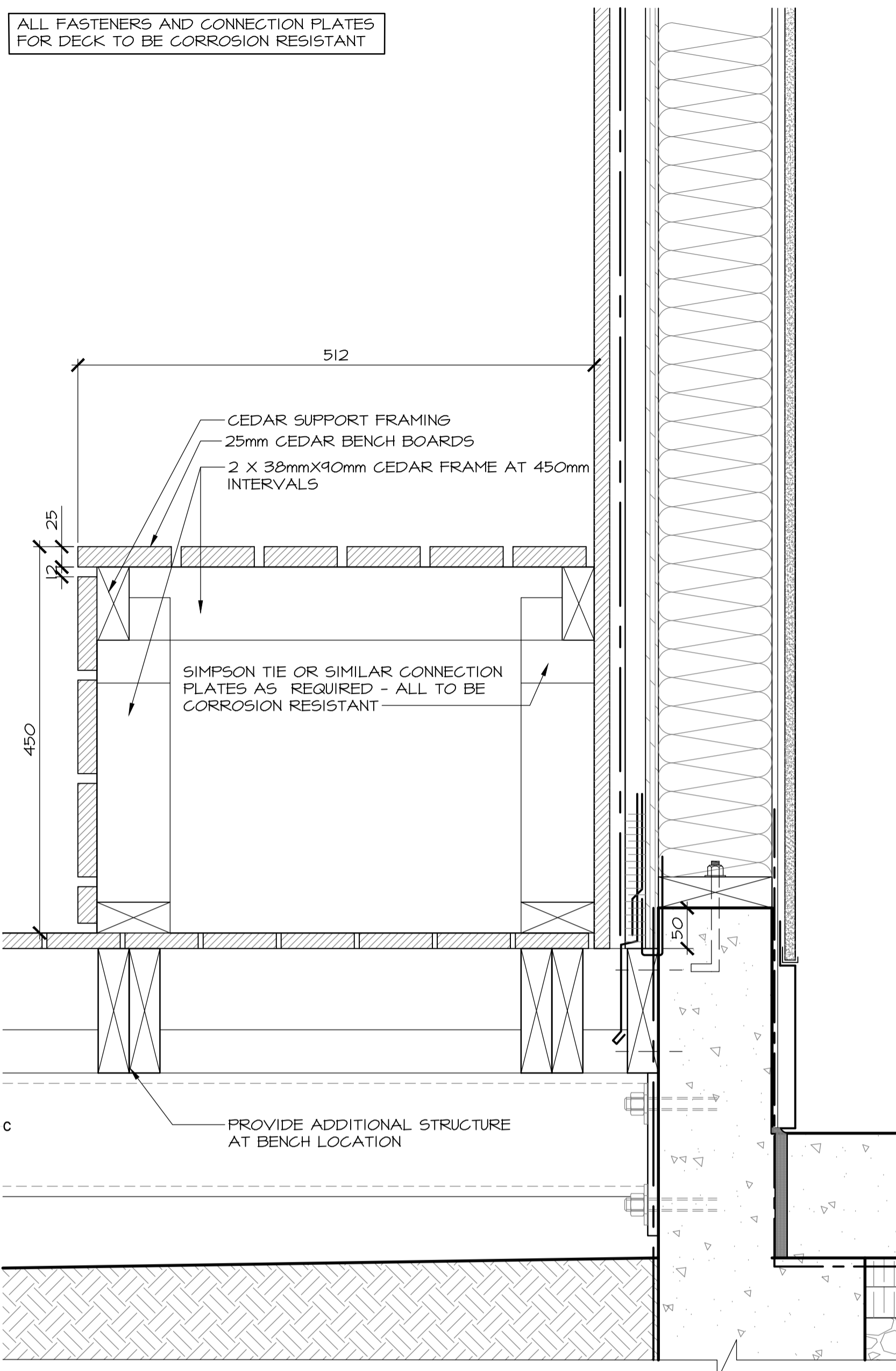
3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016
revisions		date

project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing
NORTH SITE MISCELLANEOUS DETAILS

designed	CC/JB/BR/SC/KP	conçu
date	----	
drawn	BR/JB	dessiné
date	----	
approved		approuvé
date		
Tender		Soumission
PWGC Project Manager	Administrateur de projets TPSCG	
project number	604	no. du projet
drawing no.	A-503	no. du dessin

ALL FASTENERS AND CONNECTION PLATES FOR DECK TO BE CORROSION RESISTANT



1 SECTION DETAIL - BENCH DETAIL
504 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



revisions		date
3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016

project
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing
NORTH SITE MISCELLANEOUS DETAILS

designed CC/JB/BR/SC/KP conçu

drawn BR/JB dessiné

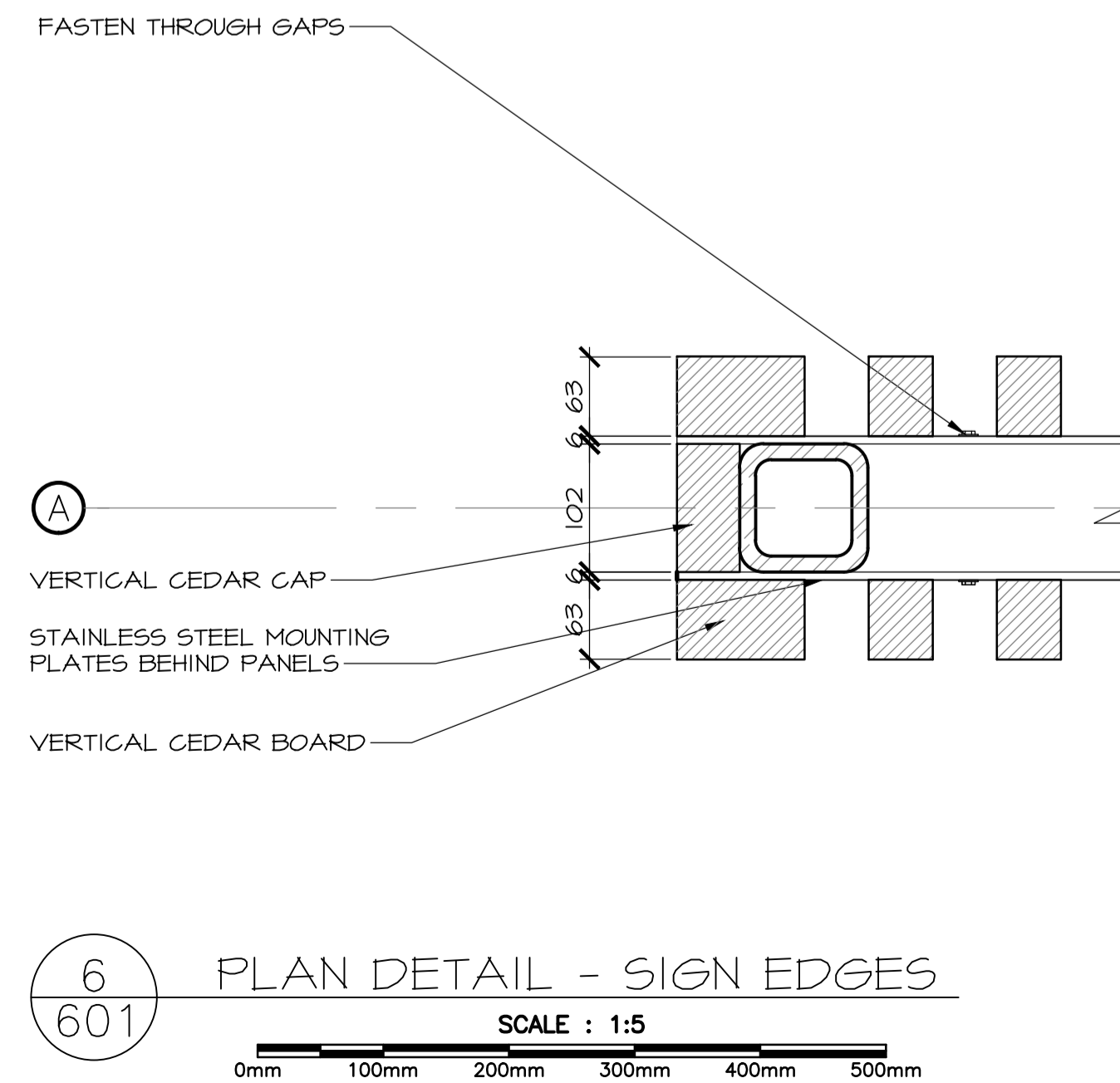
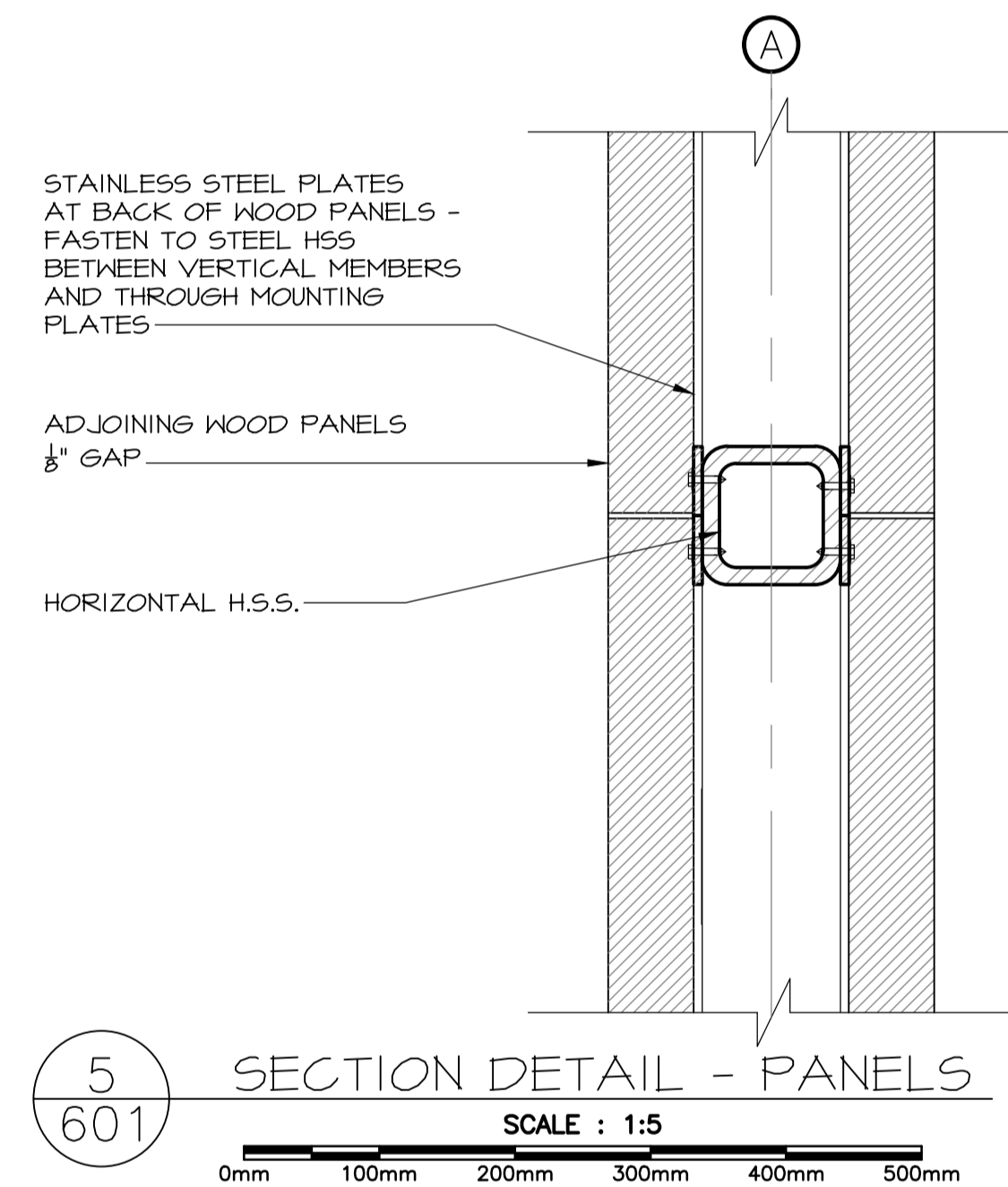
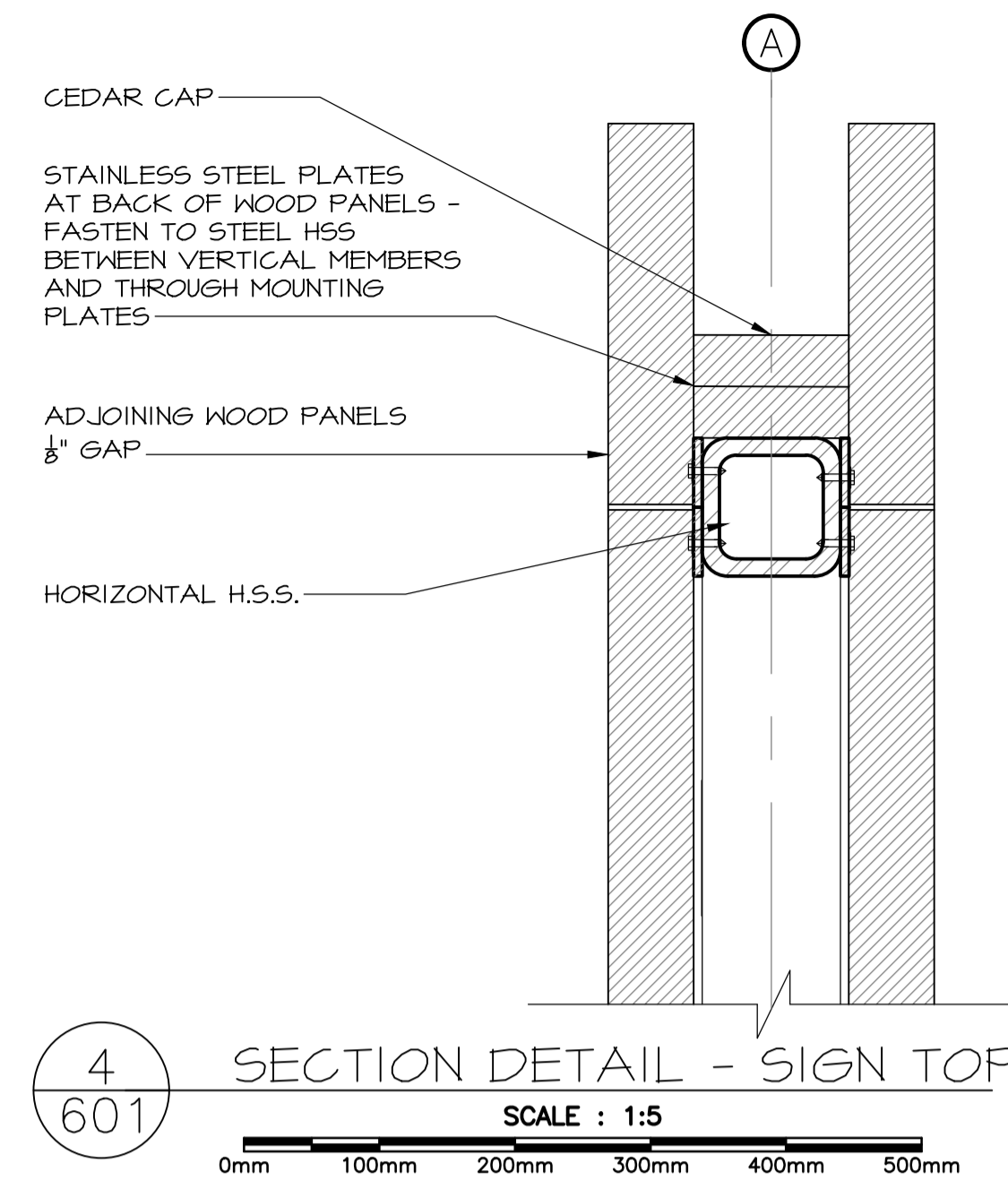
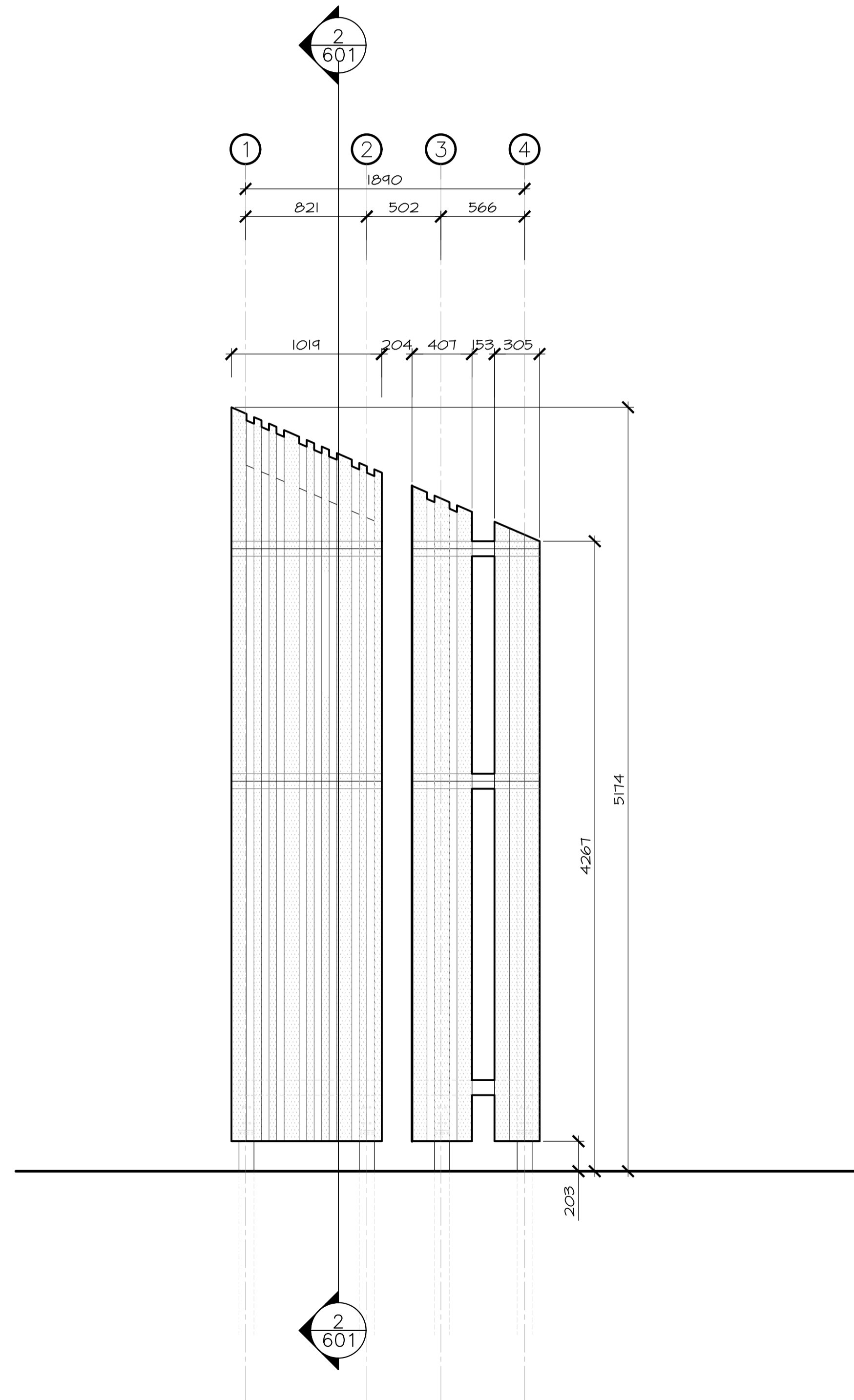
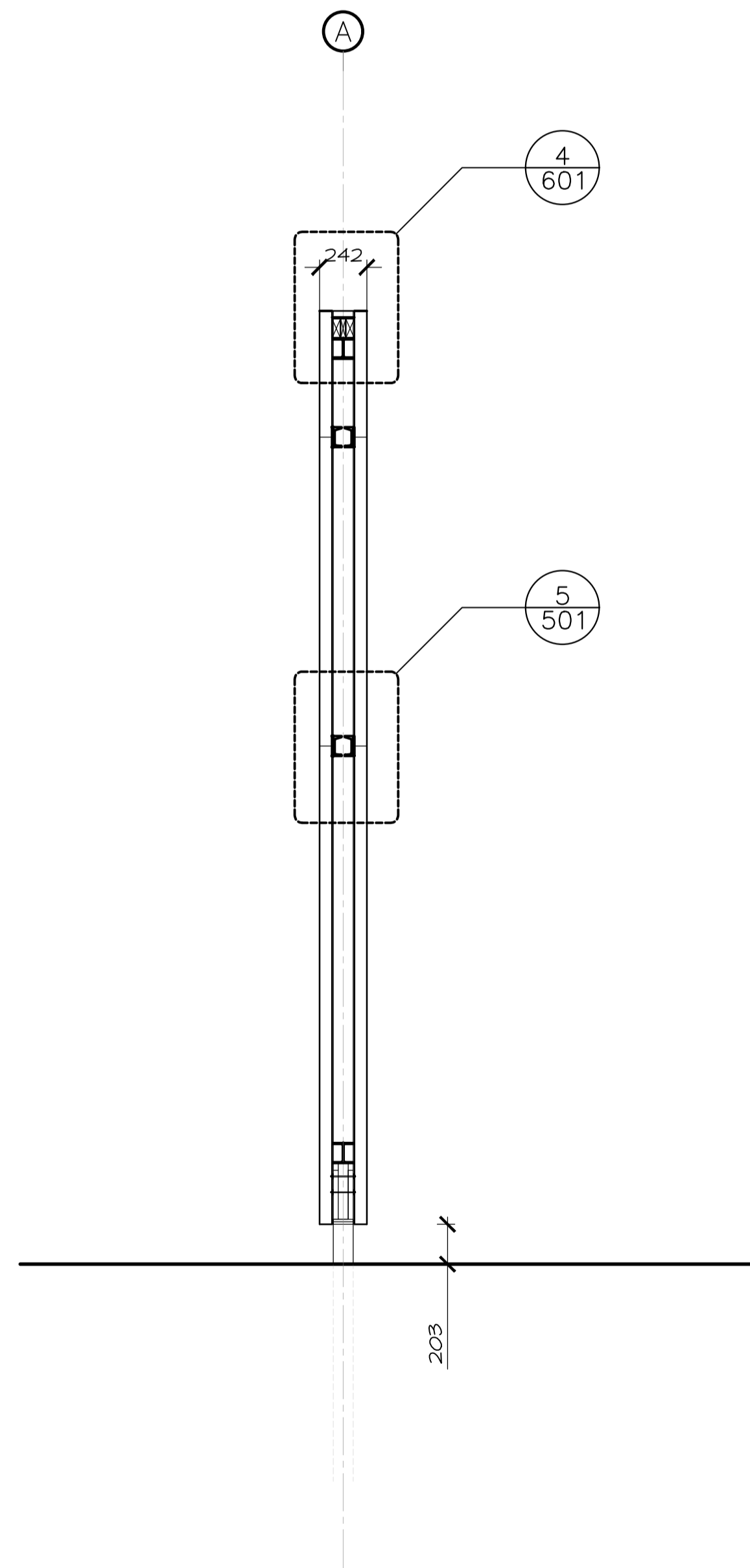
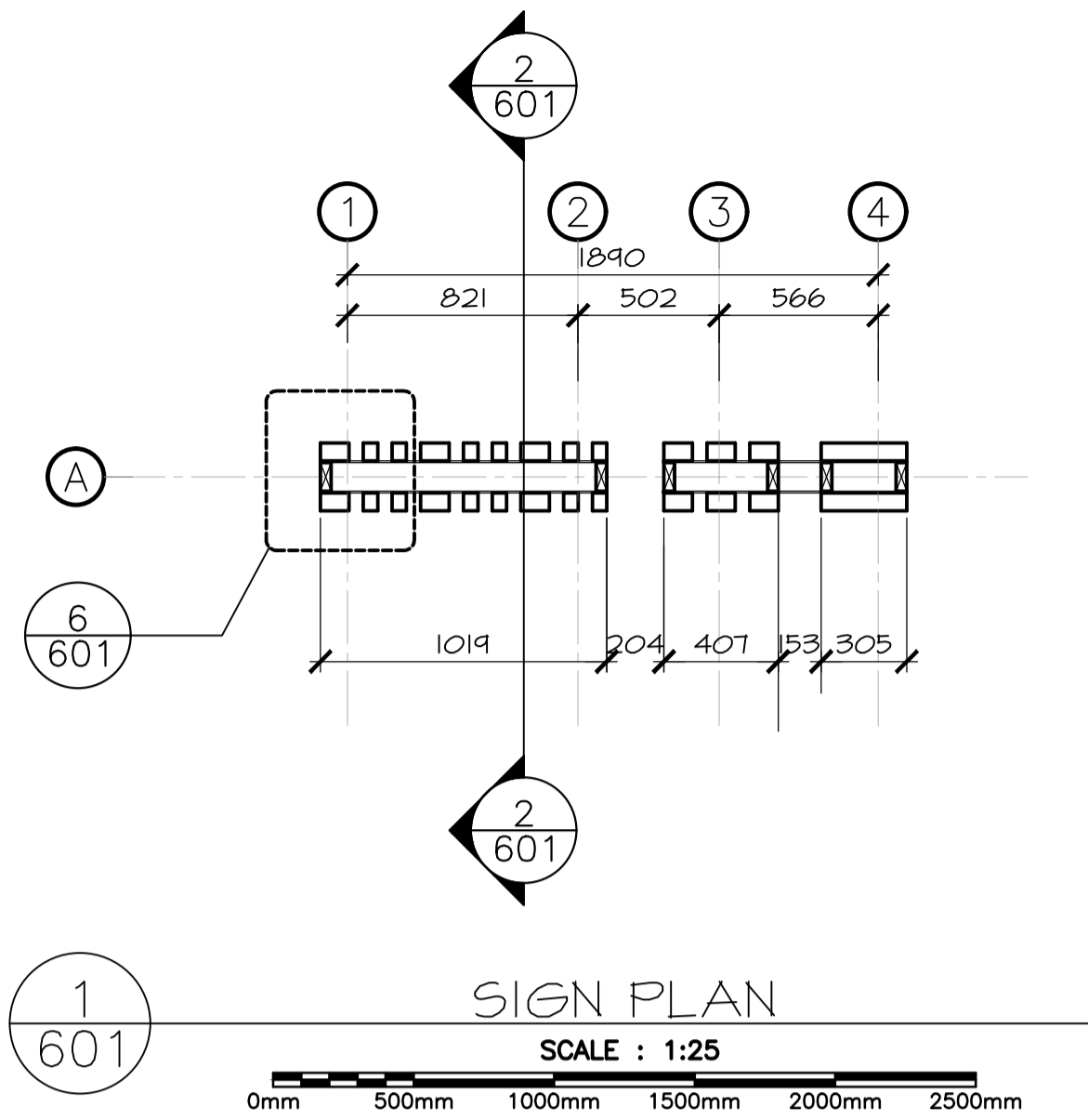
approved approuvé

Tender Soumission

project number 604 no. du projet

drawing no. A-504 no. du dessin

SEE LANDSCAPE DRAWINGS FOR LOCATION OF MONUMENT SIGNS. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF SIGN STRUCTURE



3	ISSUED FOR TENDER	12/23 2016
2	ISSUED FOR REVIEW/99%	09/09 2016
1	ISSUED FOR REVIEW/66%	17/15 2016

revisions project

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

drawing dessin

NORTH SITE MONUMENT SIGN

designed CC/JB/BR/SC/KP conçu

date ----

drawn BR/JB dessiné

date ----

approved approuvé

date

Tender Soumission

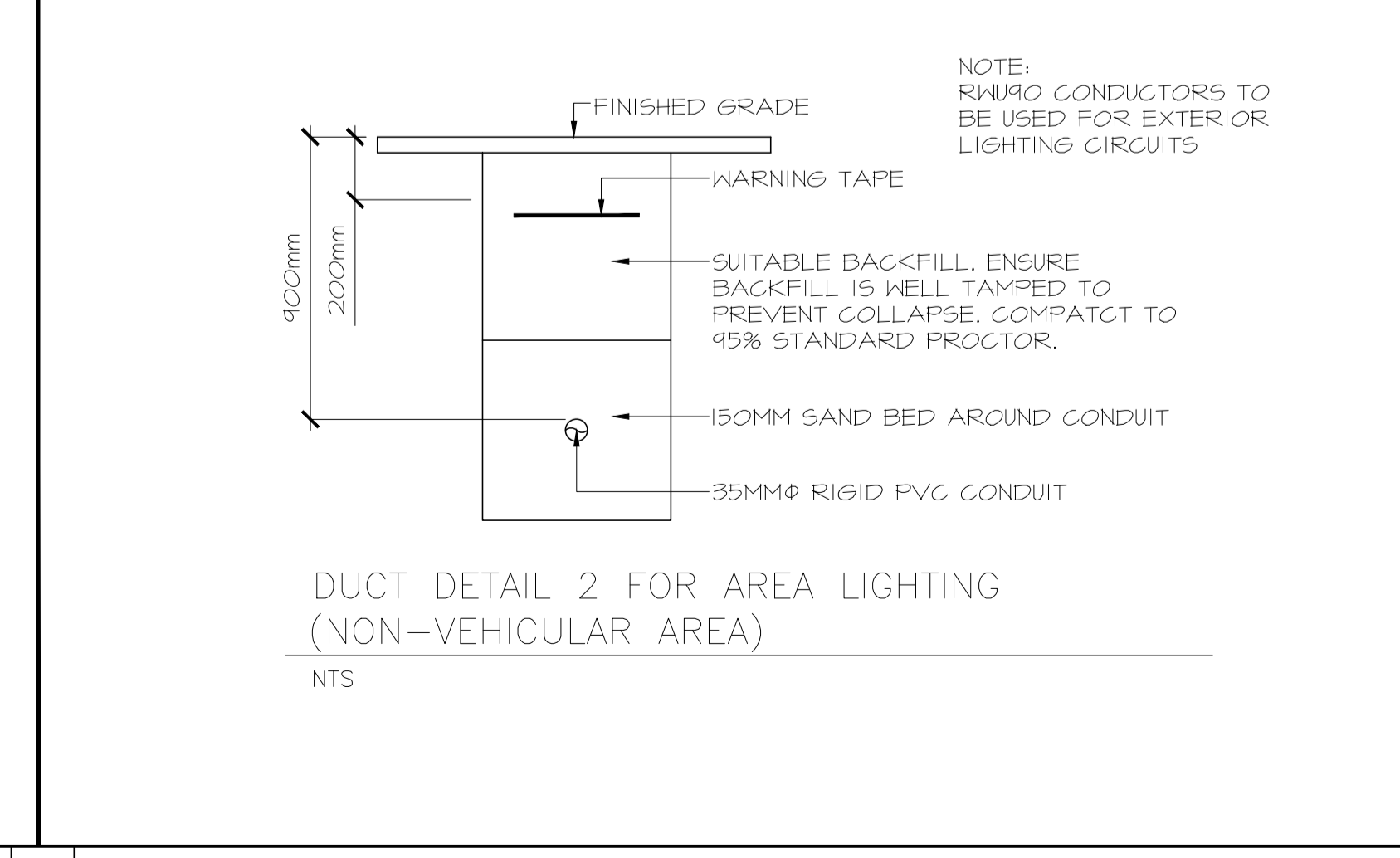
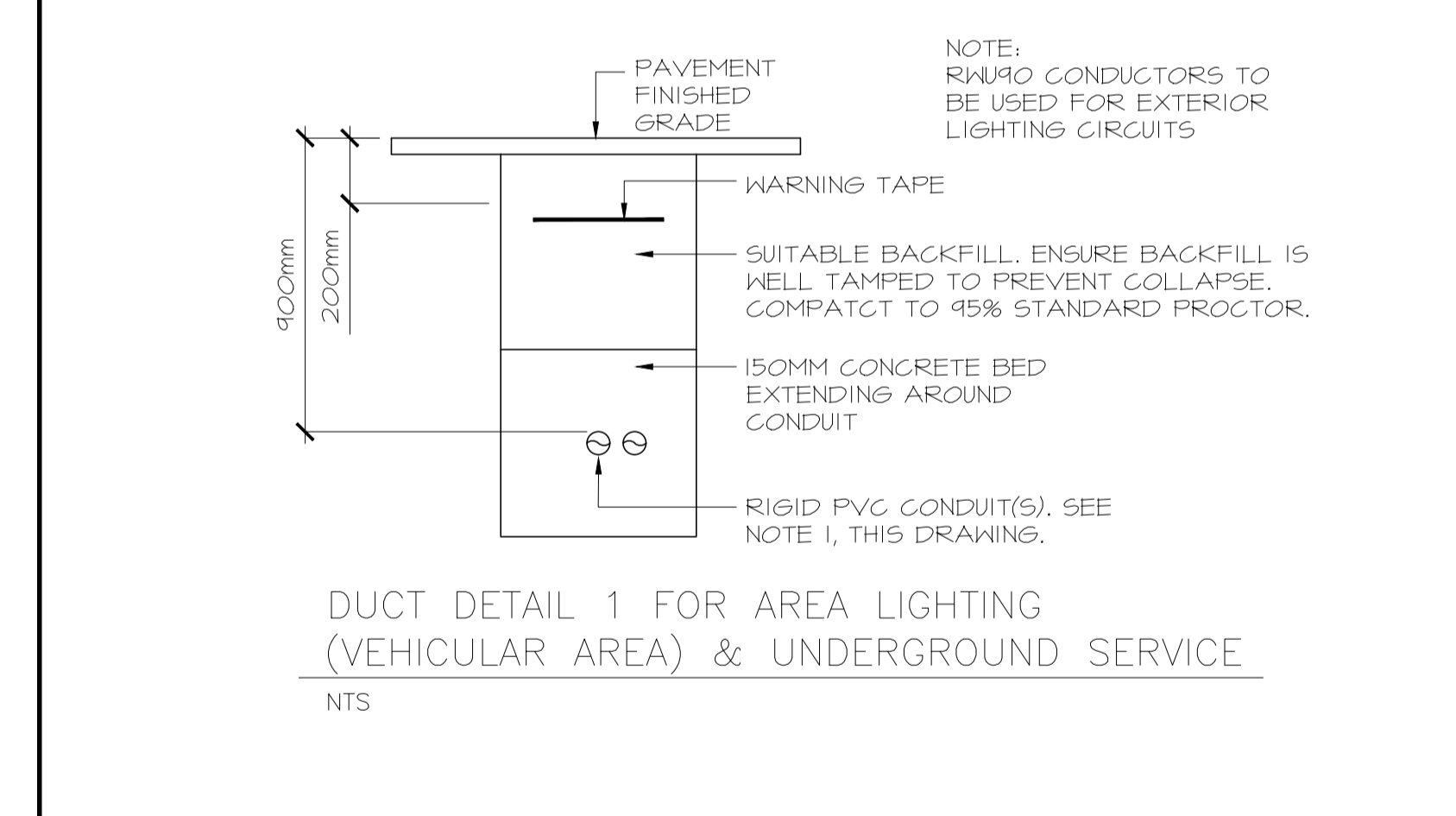
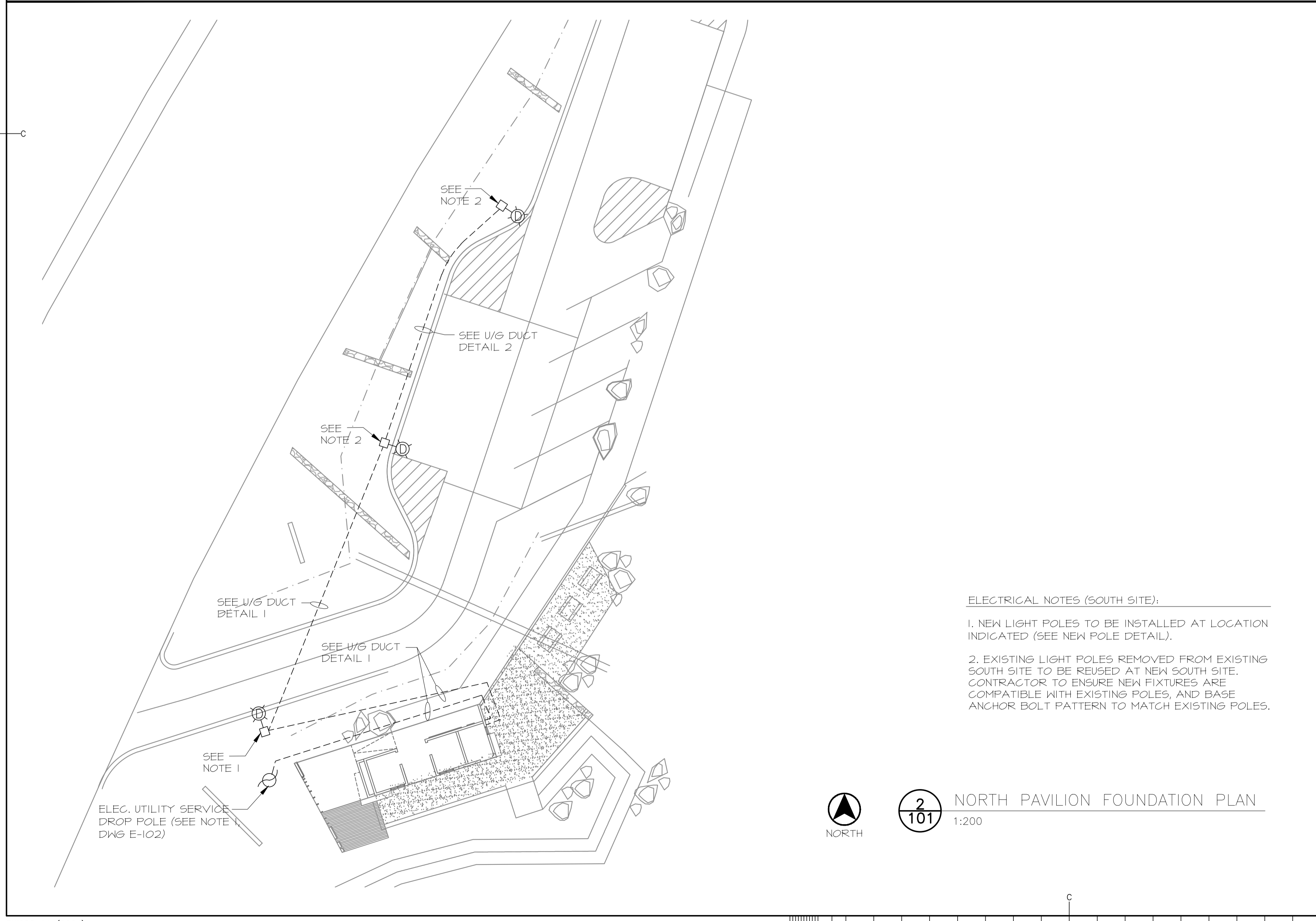
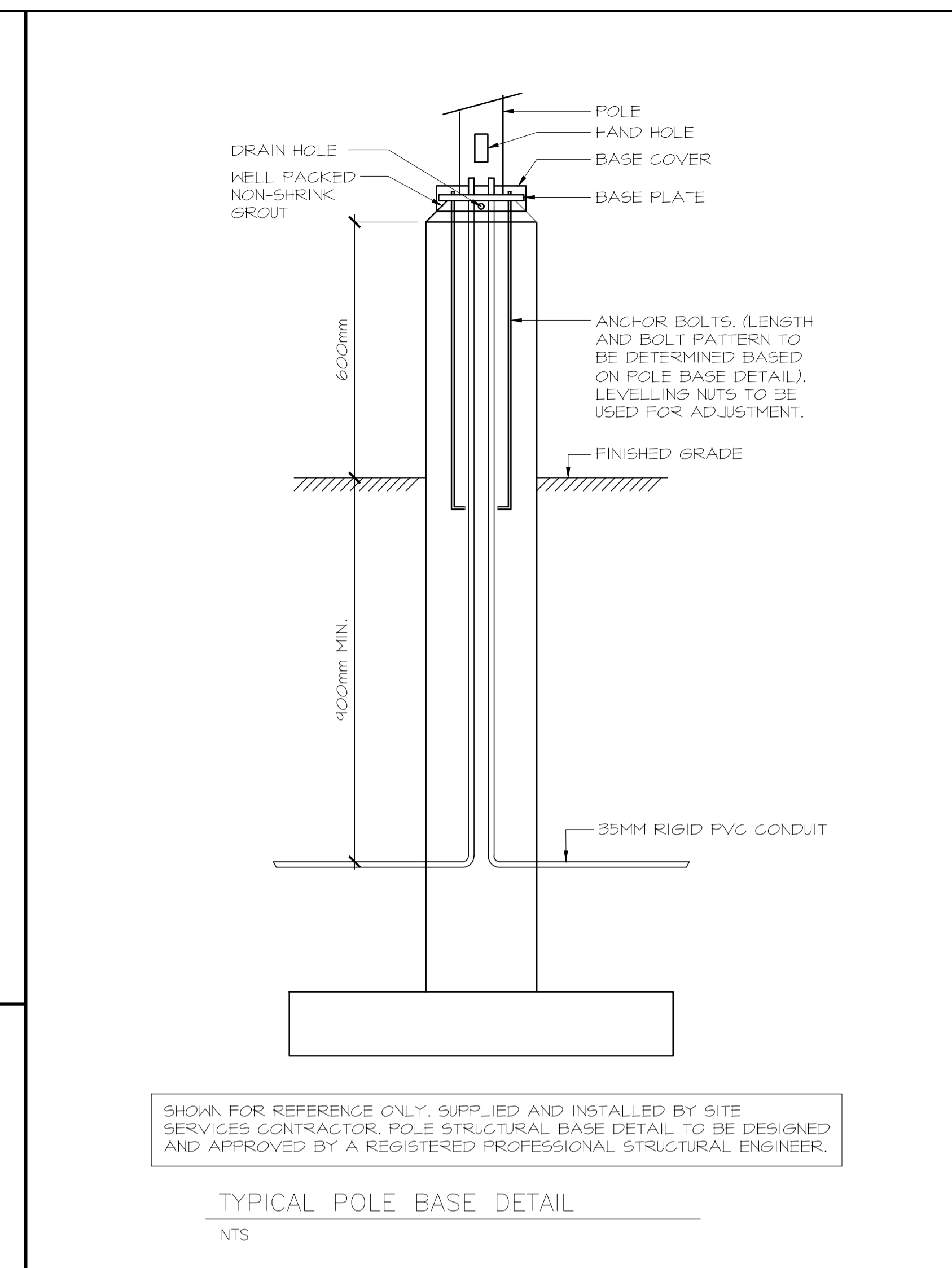
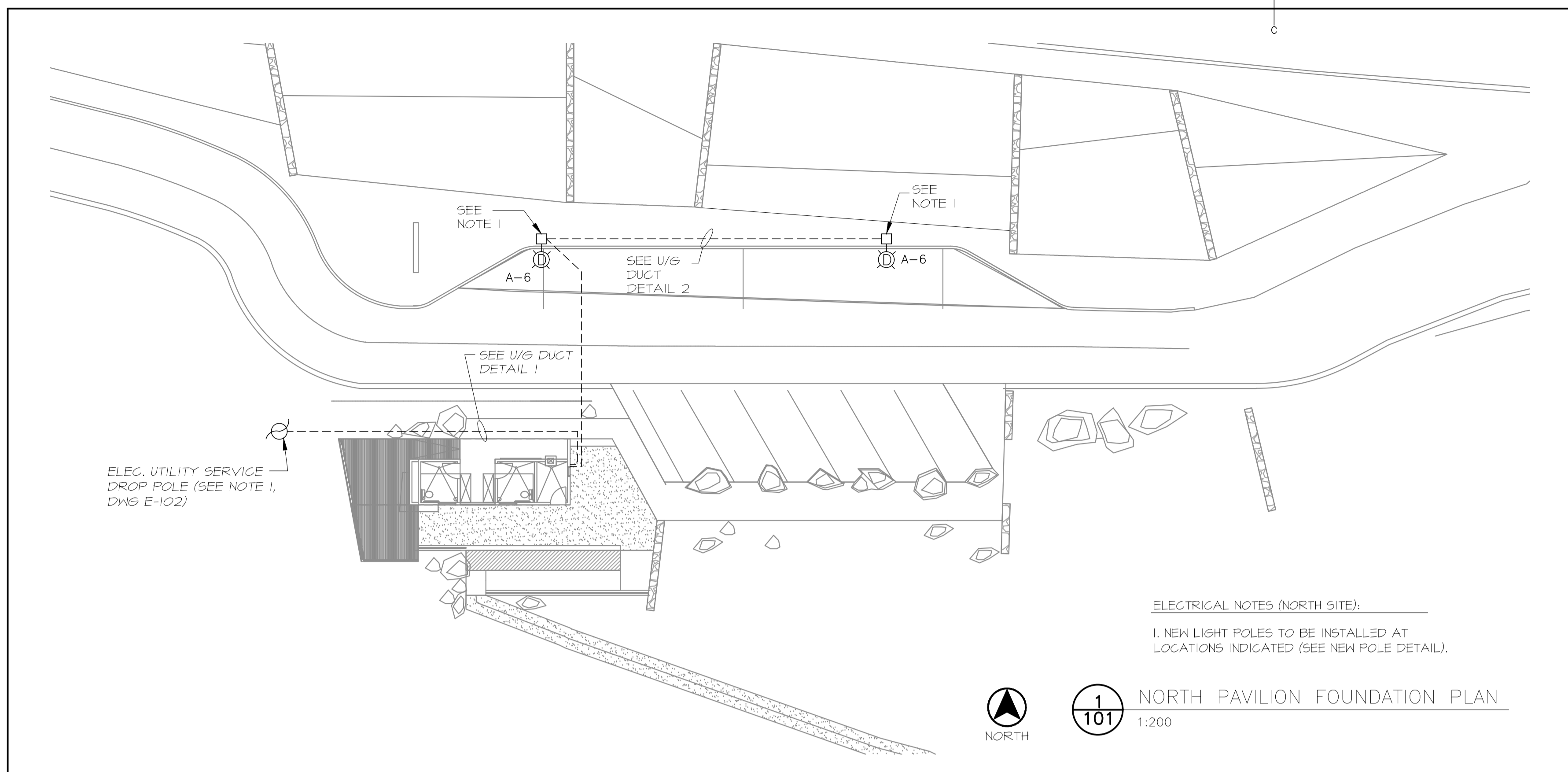
PWSC Project Manager Administrateur de projets TPSCG

project number no. du projet

604

drawing no. no. du dessin

A-601



MECHANICAL ADVANTAGE ENGINEERING LTD

REGISTERED PROFESSIONAL ENGINEER
P.E.G. 10000
K.M. GARNIER
SIGNATURE
DATE
SEPT. 21/16
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit Allows
ELECTRICAL SERVICES ENGINEERING LTD

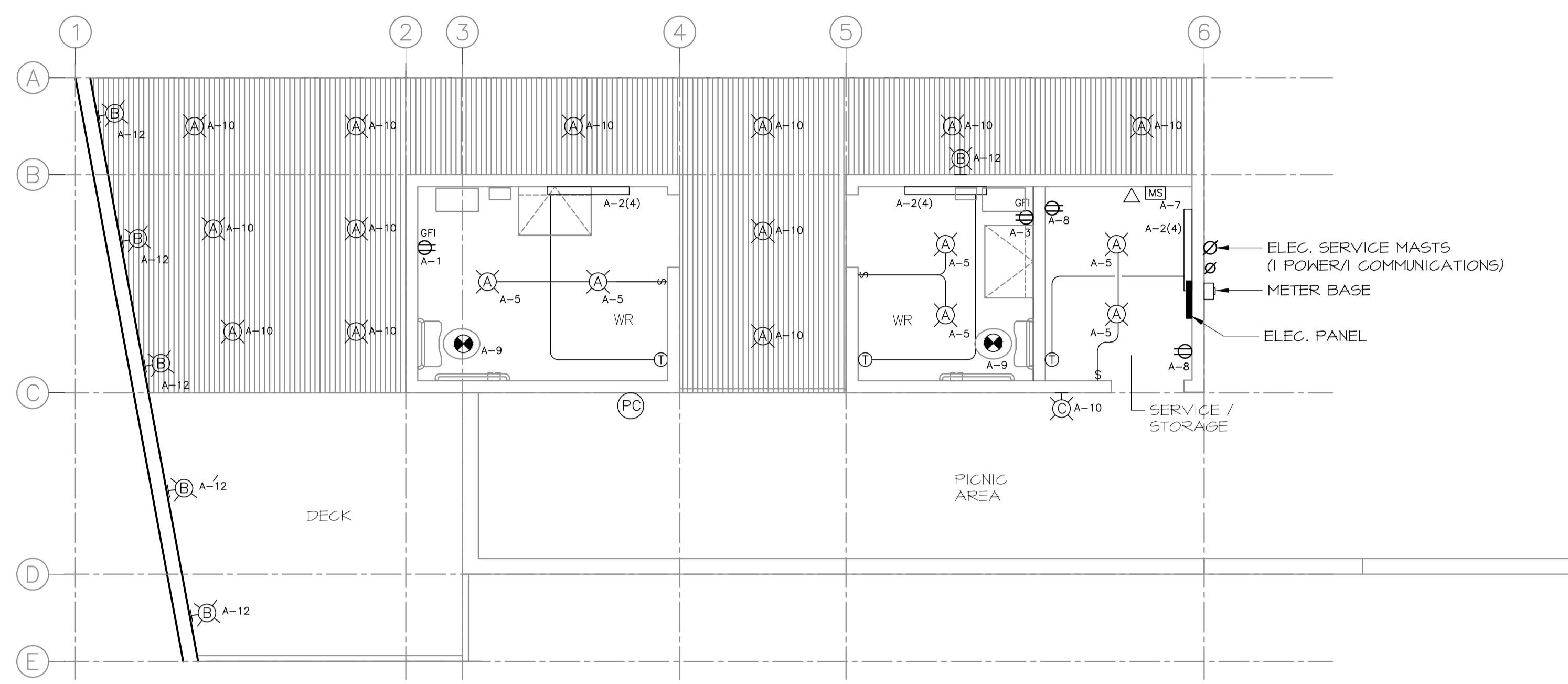
NOTES:
1. FOR AREA LIGHTING (VEHICULAR AREA), 1-35mm RIGID PVC CONDUIT IS REQUIRED. FOR U/G ELECTRICAL/COMMUNICATIONS SERVICE, 1-63mm RIGID PVC CONDUIT (ELECTRICAL CONDUCTORS) AND 1-50mm RIGID PVC CONDUIT (COMMUNICATIONS LINES) ARE REQUIRED.

1	ISSUED FOR TENDER	09/21/2016
revisions		date
project		projct

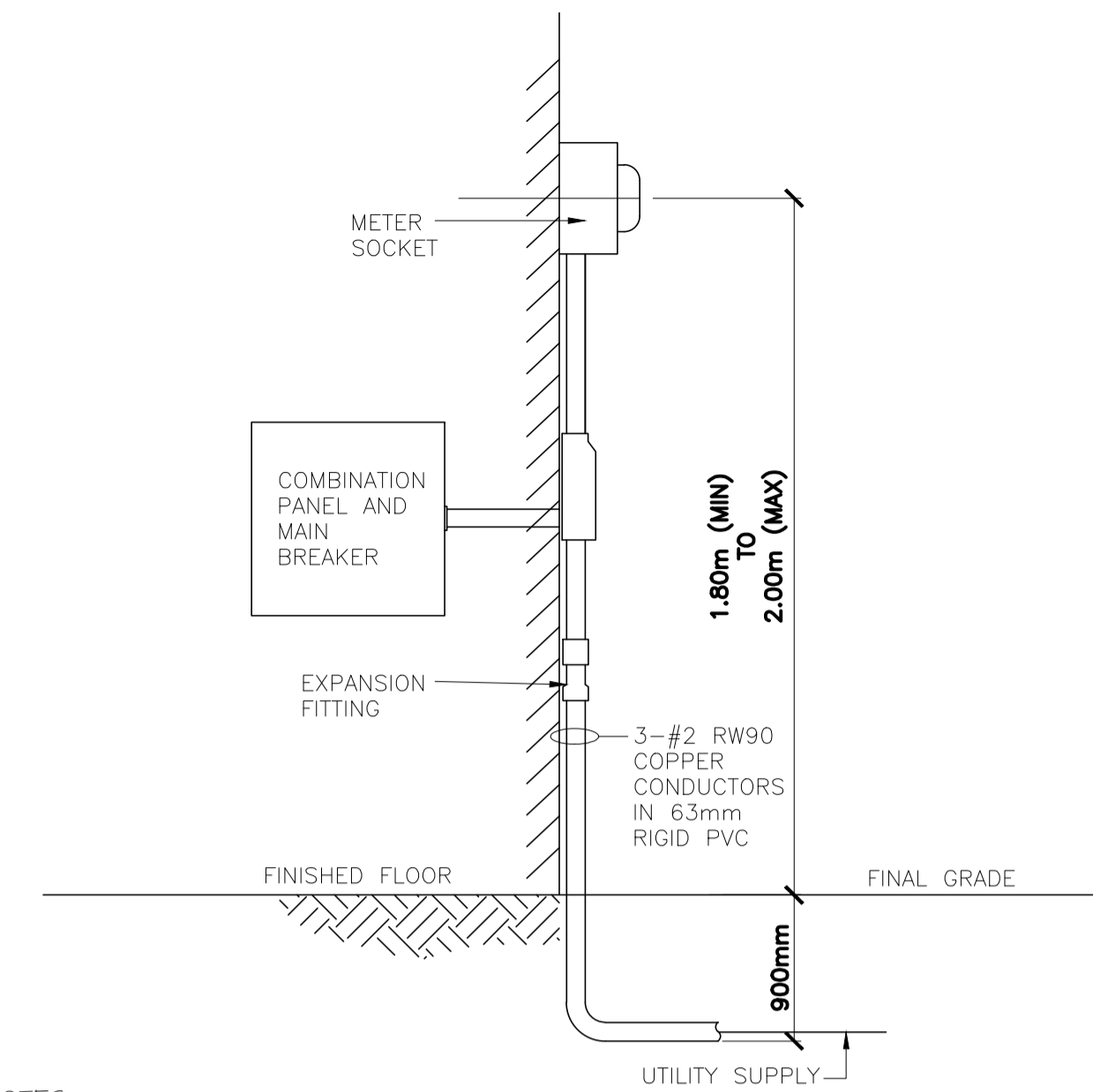
TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

ELECTRIAL LAYOUTS NORTH AND SOUTH SITES AND DETAILS

designed	KMG	conçu
date	SEPTEMBER 20, 2016	
drawn	KMG	dessiné
date	SEPTEMBER 20, 2016	
approved		approuvé
date		
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
	604	
drawing no.		no. du dessin
	E-101	



1
102
TYPICAL ELECTRICAL FLOOR PLAN
SCALE : 1:50
0m 1m 2m 3m 4m 5m



NOTES:
1. INSTALLATION SHALL CONFORM TO THE CANADIAN ELECTRICAL CODE, PART I, LATEST VERSION.
2. METER SOCKET, RING TYPE, RATED 600V, SHALL BE SUPPLIED AND INSTALLED BY CONTRACTOR.
3. CONTRACTOR TO ENSURE SERVICE GROUNDING SYSTEM IN PLACE UTILIZING THREE (3) - 3000mmx19mm COPPER CLAD GROUND RODS, CONNECTED USING #6 AWG COPPER GROUND WIRE.

UNDERGROUND SERVICE DETAIL

ELECTRICAL SERVICE PROVISION NOTES:
1. IT IS RESPONSIBILITY OF CONTRACTOR TO ARRANGE AND SECURE REQUIRED SERVICES WITH APPROPRIATE UTILITIES FOR PROVISION OF ELECTRICAL POWER AND COMMUNICATIONS (PHONE/DATA) TO BOTH SITES.
OWNER WILL BE RESPONSIBLE FOR C.I.A.C. COSTS ASSOCIATED WITH UTILITY SERVICES TO EACH SITE.
SERVICE DROP POLE LOCATIONS ARE FOR REFERENCE ONLY AND SUBJECT TO FINAL CONFIRMATION WITH OWNER AND UTILITY.
ELECTRICAL SERVICE DROP POLES TO BE MINIMUM HEIGHT REQUIRED BY AHJ TO ALLOW FOR 5500mm (MINIMUM) AERIAL CLEARANCE FOR ALL WIRES (ELECTRICAL AND/OR COMMUNICATIONS).

MECHANICAL ADVANTAGE ENGINEERING LTD
REGISTERED PROFESSIONAL ENGINEER
K.M. GARNIER
DATE: SEPT. 26/16
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit Allows
ELECTRICAL SERVICE ENGINEERING ONLY

LEGEND

- LIGHTING CONTACTOR C/W RELAYS FOR HAND-OFF-AUTO (PHOTOCELL) CONTROL OF BUILDING EXTERIOR AND POLE MOUNTED EXTERIOR LIGHTS
- OUTLET OR JUNCTION BOX
- SURFACE MOUNTED PANEL
- A-2 ELECTRIC BASEBOARD HEATER, 1000W, 240V, A-1(3) INDICATES CIRCUIT #
- LINE VOLTAGE THERMOSTAT C/W CLEAR LOCKABLE COVER
- ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT
- DATA OUTLET C/W DUAL PORT FACEPLATE AND TWO (2) CAT 6 DATA JACKS BACK TO DATA/MODEM LOCATION
- A-3 ELECTRICAL CONNECTION TO OWNER SUPPLIED TICKETING STATION (REQUIRES 120 VAC POWER AND DATA), A-3 INDICATES CIRCUIT #
- 120V LIGHTING SWITCH
- A-3 CEILING RECESSED MOUNTED LIGHT FIXTURE (120V) (TYPE A)
- WALL MOUNTED LIGHT FIXTURE (120V) (TYPE C). CONTROL BY CONTACTOR/PHOTOCELL
- POLE MOUNTED AREA LIGHT FIXTURE (120V) (TYPE D). CONTROL BY CONTACTOR/PHOTOCELL
- PHOTOCELL FOR LIGHTING CONTROL
- A-1 DUPLEX RECEPTACLE, 120V, 15A, SPECIFICATION GRADE MOUNT 400mm AFF. A-1 INDICATES CIRCUIT #, GFI INDICATES GROUND FAULT INTERRUPT, TYPE C INDICATES WEATHERPROOF COVER REQUIRED.

PANEL A											
VOLTS 120/240			LOCATION SERVICE/STORAGE RM				MAIN BREAKER 100 A				
PHASE 1			FED FROM UTILITY				IC RATING 10 KA				
WIRE 3			MOUNTING SURFACE				CIRCUITS 24				
DESIGNATION	WATTAGE		WIRE	BKR	CCT	A	C	CCT	BKR	WIRE	DESIGNATION
	ΦC	ΦA									
RECEPT - WASHROOM	-	-	12	15	1	•		2	20	12	HEATING
RECEPT - WASHROOM	-	-	12	15	3			4		12	
LIGHTS - INTERIOR	-	-	12	15	5	•		6	15	12	LIGHTS - EXT. PARKING LOT
RECEPT - PAY STATION	-	-	12	15	7			8	15	12	RECEPT - SERVICE RM
EXHAUST FANS			12	15	9	•		10	15	12	LIGHTS - EXT. BUILDING
					11			12	15	12	LIGHTS - SIGNAGE
					13	•		14			
					15			16			
					17	•		18			
					19			20			
					21	•		22			
					23			24			
ΦA TOTAL: -			NOTES								
ΦC TOTAL: -			1) * INDICATES BREAKER LOCK-ON DEVICE								
TOTAL LOAD -											

LIGHTING SCHEDULE					
TYPE	MANUFACTURER	MODEL NO.	VOLTAGE	LAMPS	MOUNTING/COMMENTS
A	PHILIPS LIGHTOLIER	P6RD-20-N-U/P6RD8-35/P6RD	120	LED	EXTERIOR LOCATED LIGHTS CONTROL BY PHOTOCELL/CONTACTOR
B	PHILIPS COLOR KINETICS	VAYA LINEAR 12NC-910503T04628	120	LED	SURFACE SIGN LIGHTING CONTROL BY PHOTOCELL/CONTACTOR
C	PHILIPS KEENE	313-LED-1670-4K-120	120	LED	WALL MOUNTED CONTROL BY PHOTOCELL/CONTACTOR
D	SEE SPEC.				POLE MOUNTED

1	ISSUED FOR TENDER	09/21 2016
revisions		date

TERRA NOVA NATIONAL PARK ENTRANCE REHABILITATION PROJECT

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PWGC Project Manager	Administrateur de projets TPSGC	
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