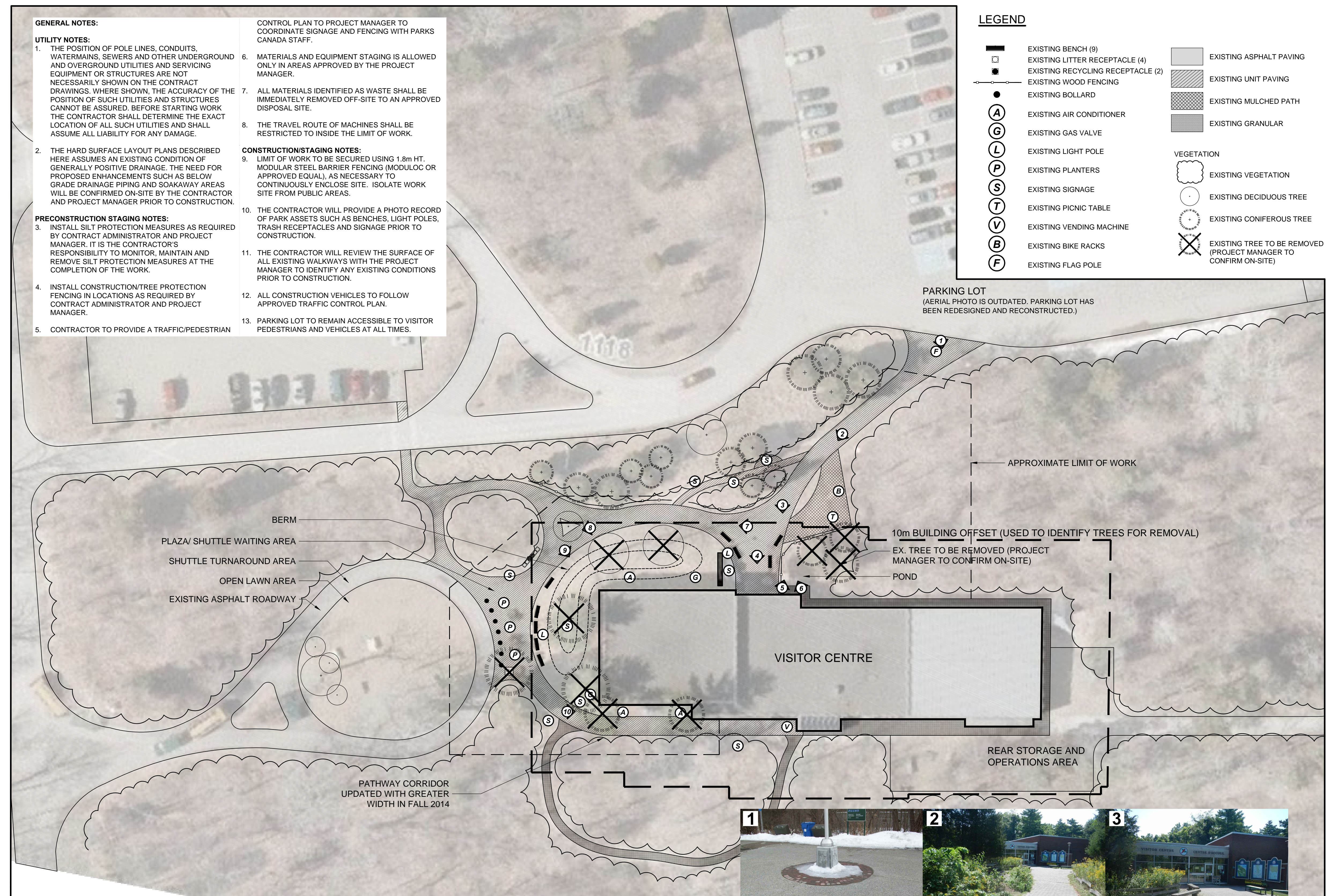


- GENERAL NOTES:**
- UTILITY NOTES:**
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- PRECONSTRUCTION STAGING NOTES:**
3. INSTALL SILT PROTECTION MEASURES AS REQUIRED BY CONTRACT ADMINISTRATOR AND PROJECT MANAGER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR, MAINTAIN AND REMOVE SILT PROTECTION MEASURES AT THE COMPLETION OF THE WORK.
 4. INSTALL CONSTRUCTION/TREE PROTECTION FENCING IN LOCATIONS AS REQUIRED BY CONTRACT ADMINISTRATOR AND PROJECT MANAGER.
 5. CONTRACTOR TO PROVIDE A TRAFFIC/PEDESTRIAN CONTROL PLAN TO PROJECT MANAGER TO COORDINATE SIGNAGE AND FENCING WITH PARKS CANADA STAFF.
- CONSTRUCTION/STAGING NOTES:**
6. MATERIALS AND EQUIPMENT STAGING IS ALLOWED ONLY IN AREAS APPROVED BY THE PROJECT MANAGER.
 7. ALL MATERIALS IDENTIFIED AS WASTE SHALL BE IMMEDIATELY REMOVED OFF-SITE TO AN APPROVED DISPOSAL SITE.
 8. THE TRAVEL ROUTE OF MACHINES SHALL BE RESTRICTED TO INSIDE THE LIMIT OF WORK.
 9. LIMIT OF WORK TO BE SECURED USING 1.8m HT. MODULAR STEEL BARRIER FENCING (MODULOC OR APPROVED EQUAL), AS NECESSARY TO CONTINUOUSLY ENCLOSE SITE. ISOLATE WORK SITE FROM PUBLIC AREAS.
 10. THE CONTRACTOR WILL PROVIDE A PHOTO RECORD OF PARK ASSETS SUCH AS BENCHES, LIGHT POLES, TRASH RECEPTACLES AND SIGNAGE PRIOR TO CONSTRUCTION.
 11. THE CONTRACTOR WILL REVIEW THE SURFACE OF ALL EXISTING WALKWAYS WITH THE PROJECT MANAGER TO IDENTIFY ANY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
 12. ALL CONSTRUCTION VEHICLES TO FOLLOW APPROVED TRAFFIC CONTROL PLAN.
 13. PARKING LOT TO REMAIN ACCESSIBLE TO VISITOR PEDESTRIANS AND VEHICLES AT ALL TIMES.

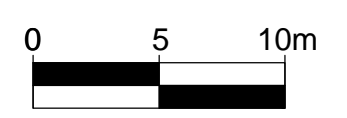
LEGEND

- EXISTING BENCH (9)
 - EXISTING LITTER RECEPTACLE (4)
 - EXISTING RECYCLING RECEPTACLE (2)
 - EXISTING WOOD FENCING
 - EXISTING BOLLARD
 - EXISTING AIR CONDITIONER
 - EXISTING GAS VALVE
 - EXISTING LIGHT POLE
 - EXISTING PLANTERS
 - EXISTING SIGNAGE
 - EXISTING PICNIC TABLE
 - EXISTING VENDING MACHINE
 - EXISTING BIKE RACKS
 - EXISTING FLAG POLE
 - EXISTING ASPHALT PAVING
 - EXISTING UNIT PAVING
 - EXISTING MULCHED PATH
 - EXISTING GRANULAR
- VEGETATION**
- EXISTING VEGETATION
 - EXISTING DECIDUOUS TREE
 - EXISTING CONIFEROUS TREE
 - EXISTING TREE TO BE REMOVED (PROJECT MANAGER TO CONFIRM ON-SITE)



EXISTING CONDITIONS PLAN

(EXISTING TREES TO BE REMOVED INCLUDED HERE FOR VISUAL CLARITY.)



PARKS CANADA
PARCS CANADA

SOUTHWESTERN ONTARIO FIELD UNIT

ASSET MANAGEMENT SECTION

DILLON CONSULTING

NOT FOR CONSTRUCTION

- NOTES:**
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE INDICATED.
 2. ALL DIMENSIONS ARE APPROXIMATE.
 3. LOCATIONS, QUANTITY, AND MATERIALS OF EXISTING FEATURES ARE APPROXIMATE.
 4. LOCATION OF BUILDING UTILITIES IS APPROXIMATE.
 5. SIZE, LOCATION, AND QUANTITY OF VEGETATION IS APPROXIMATE.
 6. ALL GRADES AND DIMENSIONS MUST BE VERIFIED ON SITE PRIOR TO CONSTRUCTION.

1 ISSUED FOR TENDER AUG. 31, 2015

Do not scale drawings.
Verify all dimensions and conditions on site and immediately notify the engineer of all discrepancies.

- A Detail No. / No. du détail
- B drawing no. - where detail required / dessin no. - où détail exigé
- C drawing no. - where detailed / dessin no. - où détaillé

project title / titre du projet
LEAMINGTON ONTARIO
POINT PELEE NATIONAL PARK
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title / titre du dessin
EXISTING CONDITIONS

drawn by / dessiné par	SLS
designed by / conçu par	SLS
approved by / approuvé par	LDP
tender submission / soumission	DCW
project manager / administrateur de projets	
project date / date du projet	APRIL 2015
project no. / no. du projet	138383
drawing no. / dessin no.	L101

- ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE INDICATED.
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1	ISSUED FOR TENDER	AUG. 31, 2015
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B	No. du détail
C	drawing no. - where detail required / dessin no. - où détail exigé
	drawing no. - where detailed / dessin no. - où détaillé

project title / titre du projet
LEAMINGTON ONTARIO
POINT PEELEE NATIONAL PARK
1118 POINT PEELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title / titre du dessin
VISITOR CENTRE PLAZA LANDSCAPE PLAN

drawn by / dessiné par
SLS

designed by / conçu par
SLS

approved by / approuvé par
LDP

tender submission / soumission de projet
DCW project manager / administrateur de projets

project date / date du projet
APRIL 2015

project no. / no. du projet
138383

drawing no. / dessin no.
L102

LEGEND

- BENCH (6)
 - LITTER RECEPTACLE (4)
 - RECYCLING RECEPTACLE (2)
 - BOLLARD (7)
 - SHADE SAIL POST
 - LIMESTONE BLOCK
- PAVING**
- TYPE 1 - STANDARD CONCRETE PAVED PATH TO MATCH EX. EXPOSED AGGREGATE FINISH BY FLAG POLE
 - TYPE 2 - COLOURED CONCRETE PAVING ARTEVIA DESERT SAND COLOUR (SRI 51) LIGHT EXPOSED AGGREGATE FINISH
 - TYPE 3 - COLOURED CONCRETE ACCENT PAVING ARTEVIA DESERT SAND COLOUR (SRI 51) COARSE EXPOSED AGGREGATE FINISH
 - EXISTING ASPHALT ROADWAY
- EXPANSION JOINT
CONTROL JOINT
- PLANTING**
- DECIDUOUS TREE PLANTING
 - GRASSES/SHRUBS PLANTING
 - SOD

GENERAL NOTES:

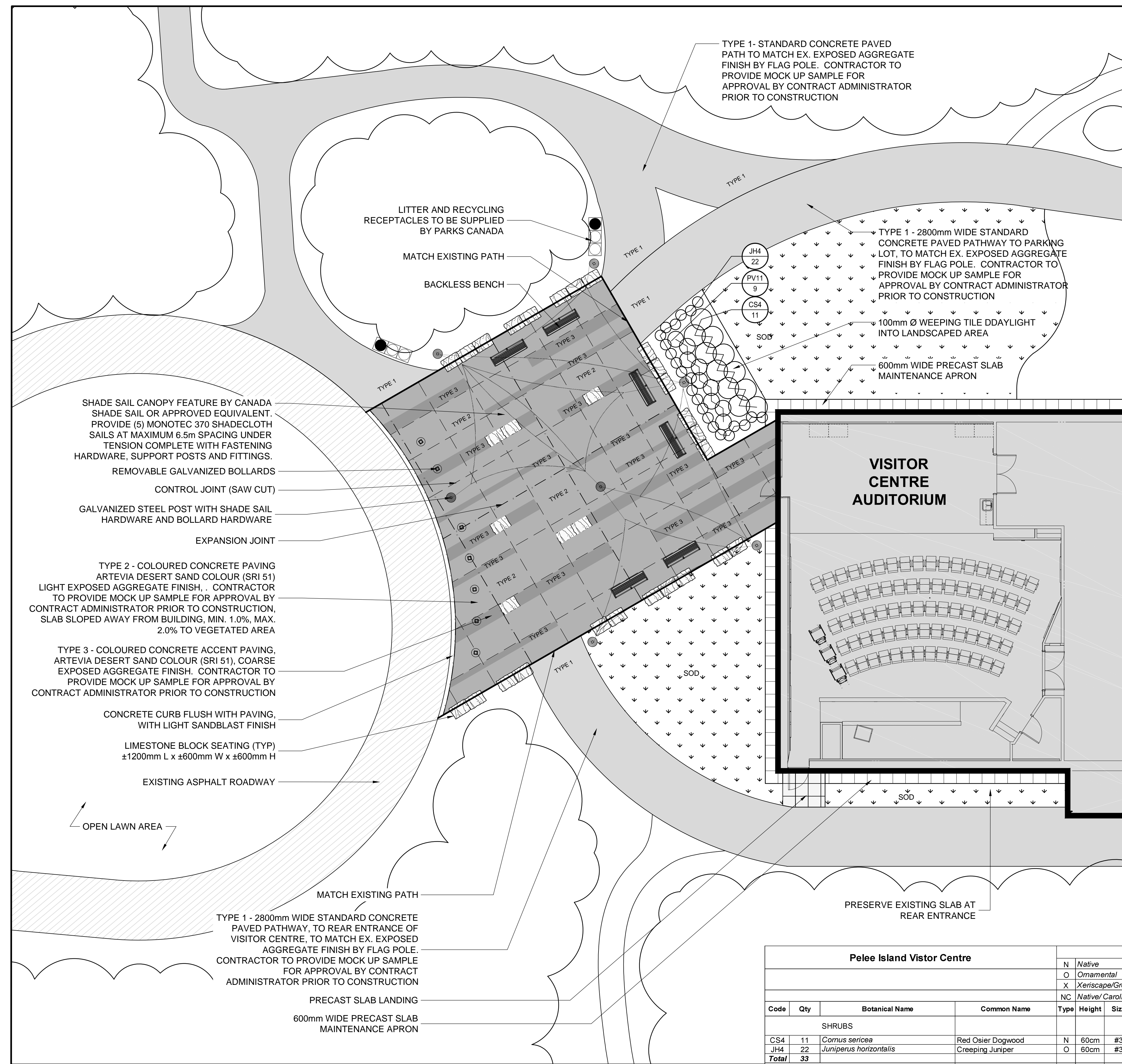
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PRECONSTRUCTION STAGING NOTES:

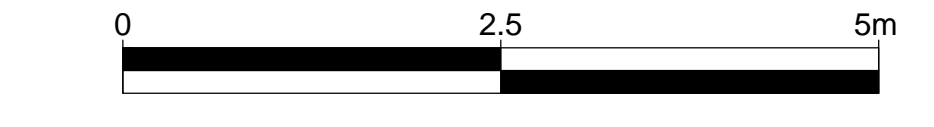
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Pelee Island Visitor Centre				Plant Specification Legend						
Code	Qty	Botanical Name	Common Name	Type	Height	Size	Cond.	Typical Soil Requirements	Typical Moisture Regime	Special Considerations
SHRUBS										
CS4	11	<i>Cornus sericea</i>	Red Osier Dogwood	N	60cm	#3	Pot	sand, loam	normal, moist, wet	
JH4	22	<i>Juniperus horizontalis</i>	Creeping Juniper	O	60cm	#3	Pot	clay, sand, loam	dry, normal	
Total	33									
GRASSES										
PV11	9	<i>Panicum virgatum</i>	Switch Grass	N		#1	Pot	sand, loam	dry, normal, moist	
Total	9									



PLAZA LANDSCAPE PLAN
1:100

FILENAME: \\S:\PROJECTS\2015\04\11\138383\DRAWING\138383_PLAZA_LANDSCAPE_PLAN_PLOT_STYLE.ctb PLOT DATE: 2015-09-02 2:28:44 PM PLOT SCALE: 1:100 PLOT STYLE: DILLON-STANDARD.ctb PLOTTED BY: BRANNE, EICHMANN

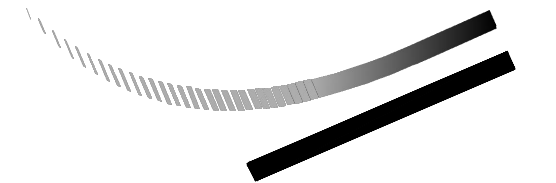


PARKS CANADA
PARCS CANADA

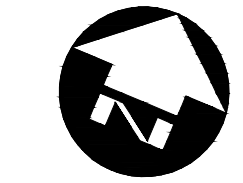


SOUTHWESTERN ONTARIO
FIELD UNIT

ASSET MANAGEMENT SECTION



DILLON
CONSULTING



NOT FOR CONSTRUCTION

NOTES:

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1	ISSUED FOR TENDER	AUG. 31, 2015
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A	Detail No.	No. du détail
B	drawing no. - where detail required	dessin no. - où détail exigé
C	drawing no. - where detailed	dessin no. - où détaillé

project title
titre du projet
LEAMINGTON ONTARIO
POINT PEELE NATIONAL PARK
1118 POINT PEELE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
**VISITOR CENTRE PLAZA
LAYOUT PLAN**

drawn by
dessiné par **SLS**

designed by
conc par **SLS**

approved by
approuvé par **LDP**

tender
soumission **DCW** project manager
administrateur de projets

project date
date du projet **APRIL 2015**

project no.
no. du projet **138383**

drawing no.
dessiné no. **L103**

LEGEND

- BENCH (6)
- LITTER RECEPTACLE (4)
- RECYCLING RECEPTACLE (2)
- BOLLARD (7)
- ⊙ SHADE SAIL POST
- ▣ LIMESTONE BLOCK

GENERAL NOTES:

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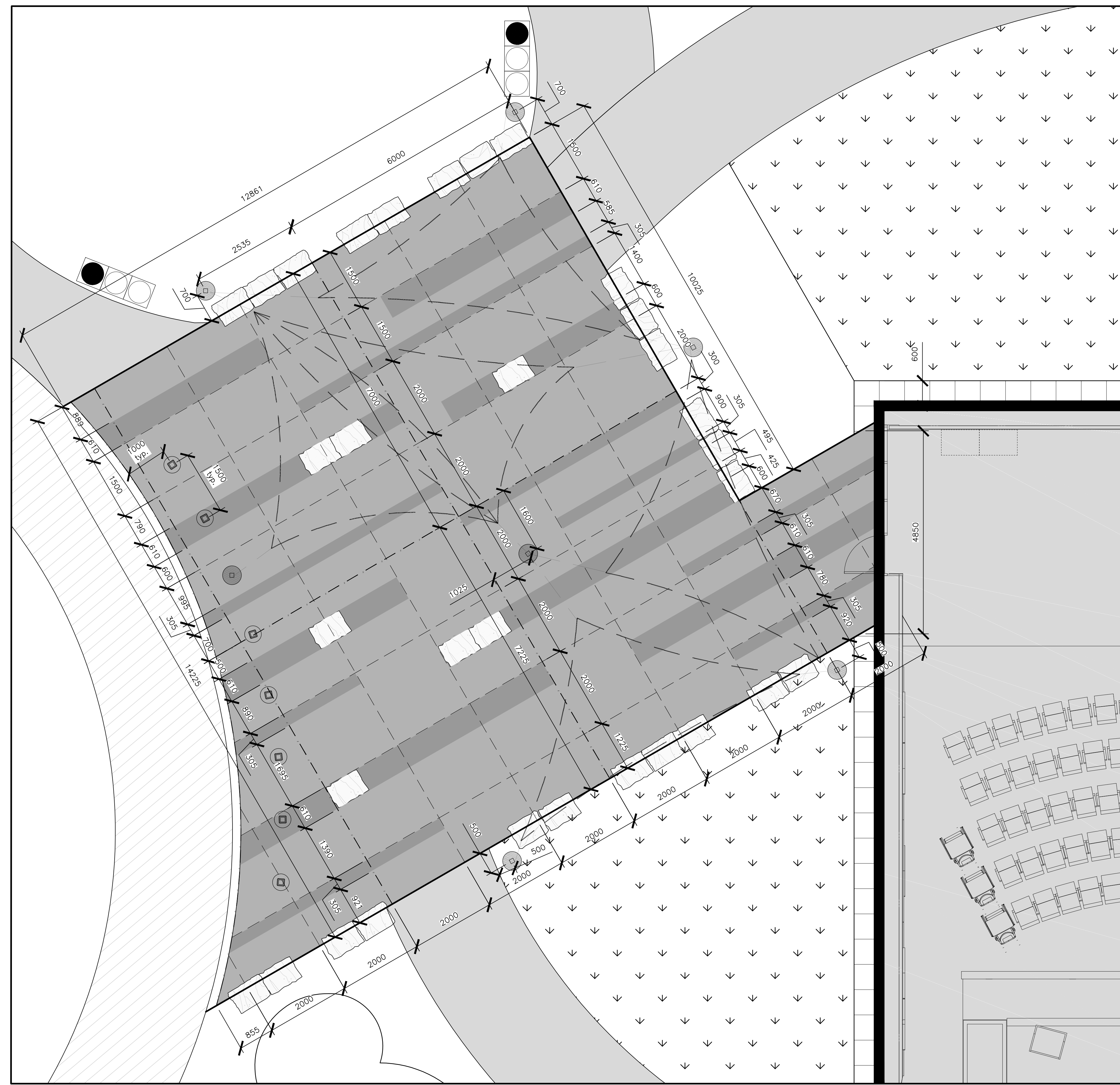
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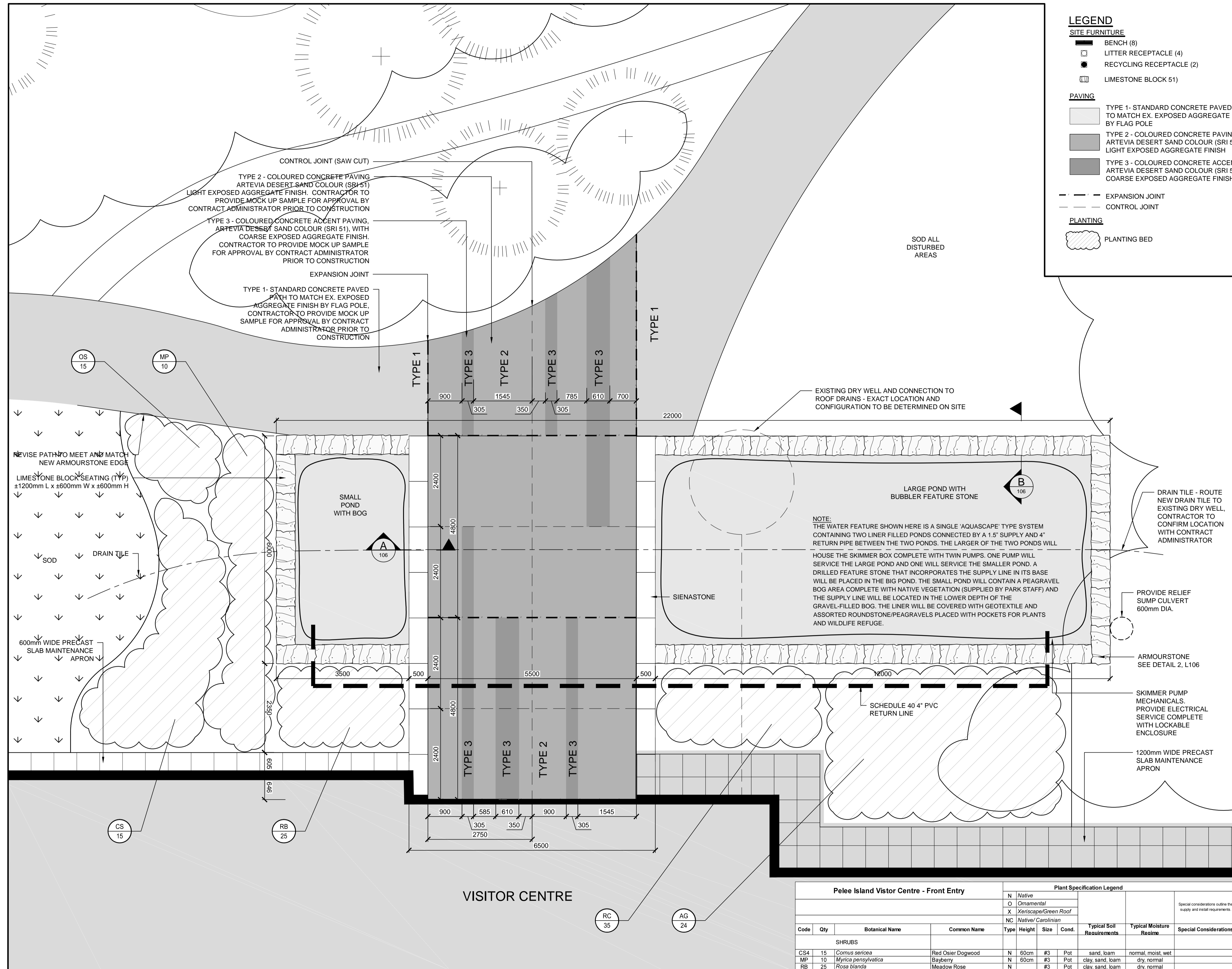
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PLAZA LAYOUT PLAN
1:50

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PLOT DATE: 2015-09-02 2:28:47 PM PLOT SCALE: 1:50 PLOT STYLE: DILLON-STD.PLOTCTB



LEGEND

SITE FURNITURE

- BENCH (8)
- LITTER RECEPTACLE (4)
- RECYCLING RECEPTACLE (2)
- LIMESTONE BLOCK (51)

PAVING

- TYPE 1 - STANDARD CONCRETE PAVED PATH TO MATCH EX. EXPOSED AGGREGATE FINISH BY FLAG POLE
- TYPE 2 - COLOURED CONCRETE PAVING ARTEVIA DESERT SAND COLOUR (SRI 51) LIGHT EXPOSED AGGREGATE FINISH
- TYPE 3 - COLOURED CONCRETE ACCENT PAVING ARTEVIA DESERT SAND COLOUR (SRI 51) COARSE EXPOSED AGGREGATE FINISH

PLANTING

- PLANTING BED

PARKS CANADA
PARCS CANADA

SOUTHWESTERN ONTARIO FIELD UNIT

ASSET MANAGEMENT SECTION

DILLON CONSULTING

NOT FOR CONSTRUCTION

1	ISSUED FOR TENDER	AUG. 31, 2015
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A	Detail No.	No. du détail
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project title
titre du projet

LEAMINGTON ONTARIO
POINT PEELE NATIONAL PARK
1118 POINT PEELE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin

VISITOR CENTRE MAIN ENTRY

drawn by
dessiné par

SLS

designed by
conçue par

SLS

approved by
approuvé par

LDP

tender submission
soumission

DCW project manager
administrateur de projets

project date
date du projet

APRIL 2015

project no.
no. du projet

138383

drawing no.
dessiné no.

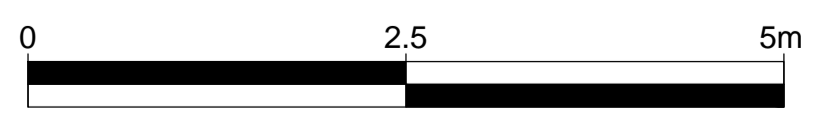
L104

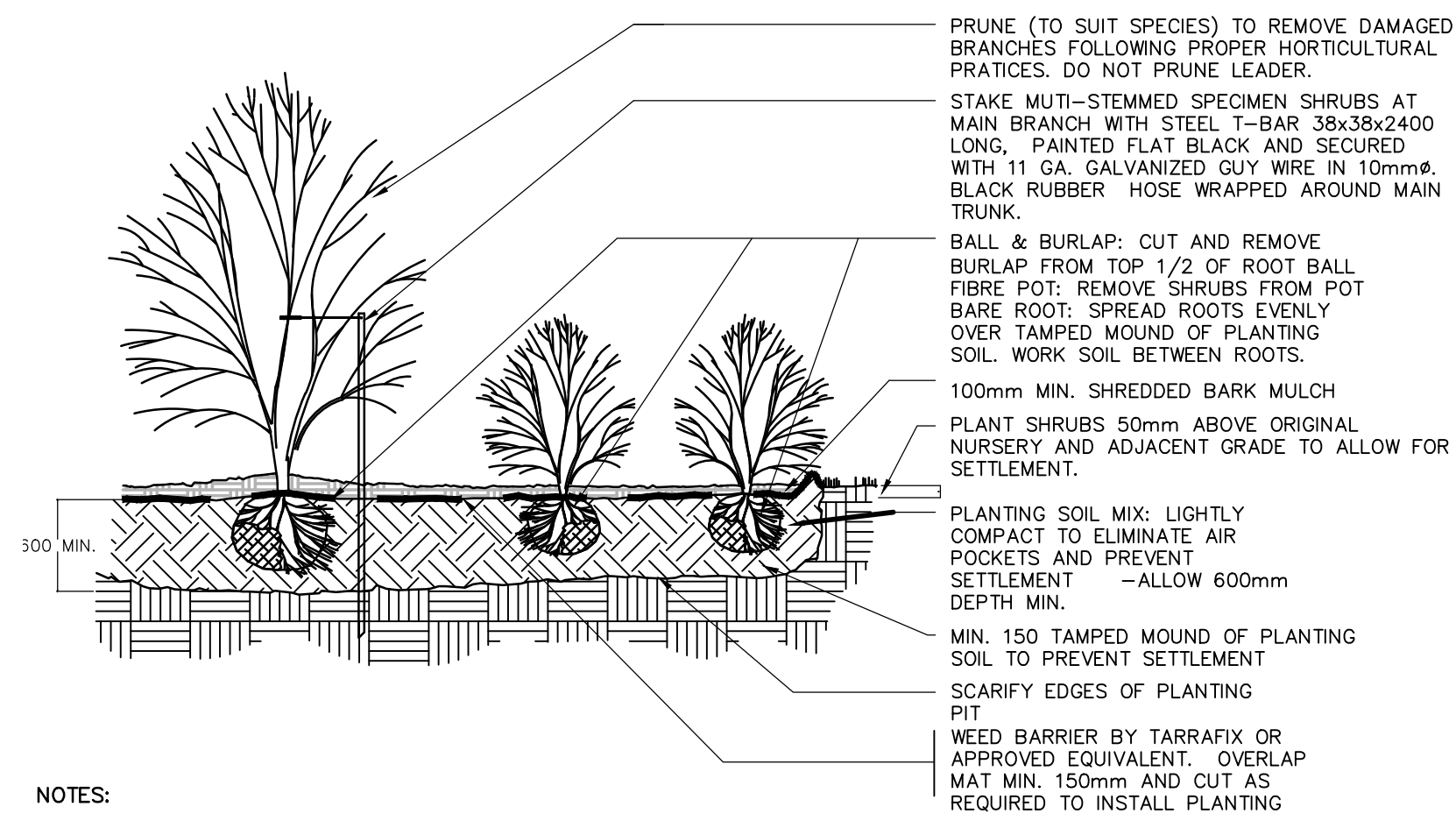
Peele Island Visitor Centre - Front Entry

		Plant Specification Legend								
		N	O	X	NC					
		Native	Ornamental	Xeriscape/Green Roof	Native/Carolinian			Special considerations outline the supply and install requirements.		
Code	Qty	Botanical Name	Common Name	Type	Height	Size	Cond.	Typical Soil Requirements	Typical Moisture Regime	Special Considerations
SHRUBS										
CS4	15	<i>Cornus sericea</i>	Red Osier Dogwood	N	60cm	#3	Pot	sand, loam	normal, moist, wet	
MP	10	<i>Myrica pensylvanica</i>	Bayberry	N	60cm	#3	Pot	clay, sand, loam	dry, normal	
RB	25	<i>Rosa blanda</i>	Meadow Rose	N	#3	Pot	clay, sand, loam	dry, normal		
RC	35	<i>Rosa carolina</i>	Pasture Rose	N	#3	Pot	clay, sand, loam	dry, moist, wet		
Total	15							sand, loam		
PERENNIALS & GRASSES										
AG	24	<i>Andropogon gerardi</i>	Big Blue Stem	N		#1	Pot	sand, loam	dry, normal, moist	
OS	15	<i>Onoclea sensibilis</i>	Sensitive Fern	N		#1	Pot	clay, sand, loam	moist, wet	
Total	24									

FILENAME: \\DILLON\Dillon\DESIGN\KYLE\KYLE\2015\138383_PPOINT PEELE\138383-06-LAND-RES_PONDING PLOTTED BY: SARL, SARAH LYNN
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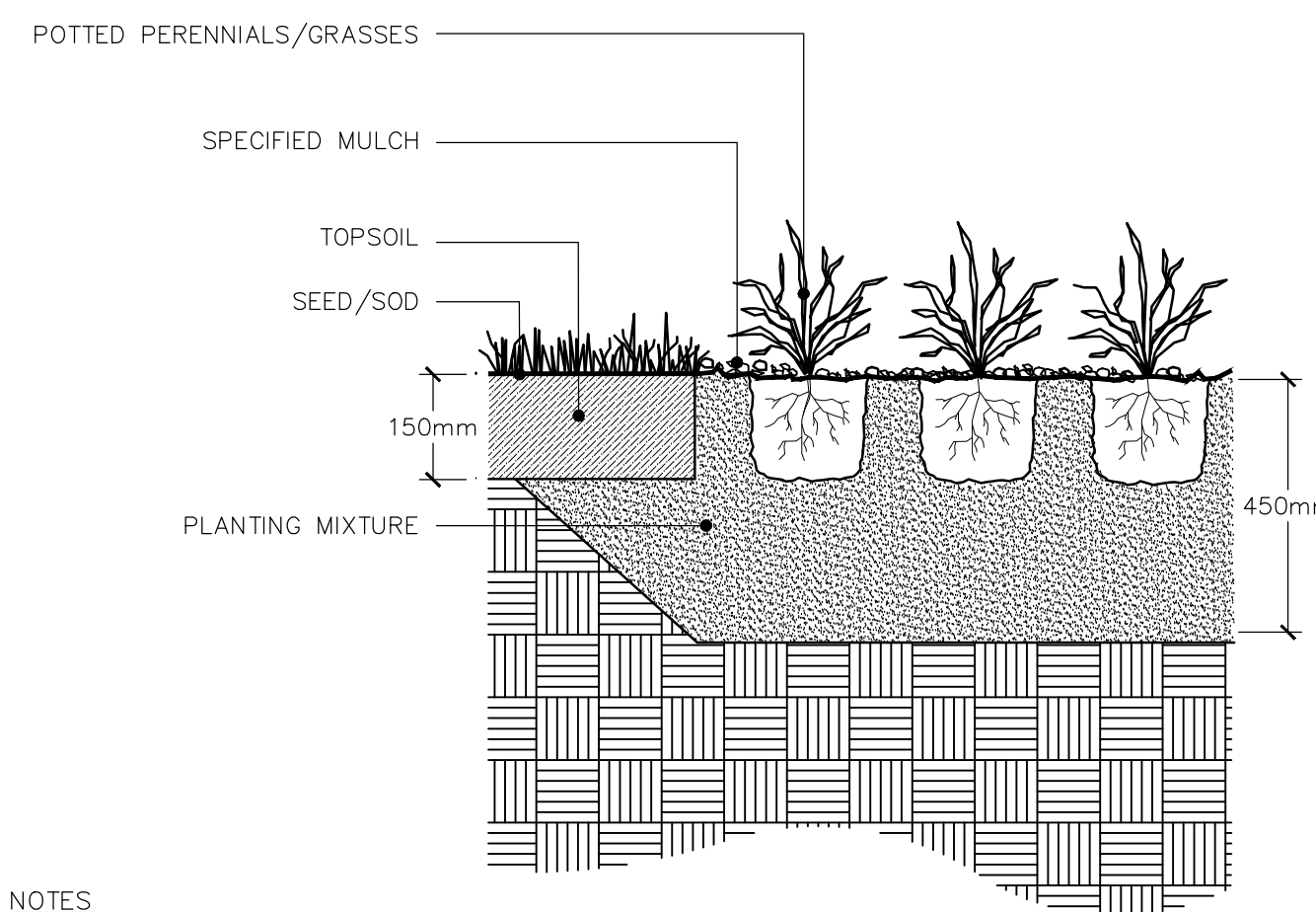
MAIN ENTRY LAYOUT PLAN
1:50





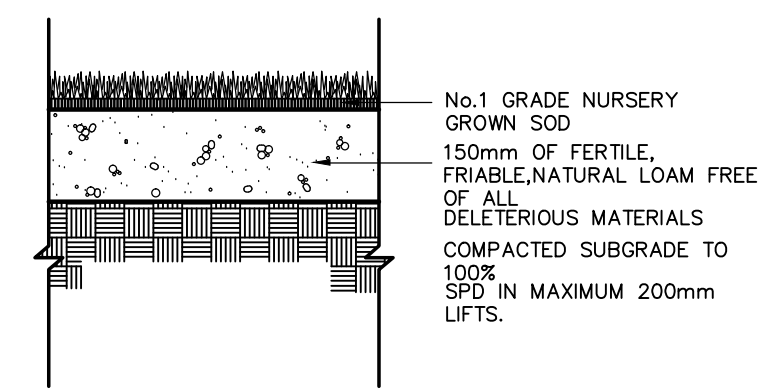
- NOTES:
1. PLANTING SOIL MIXTURE (MIX THOROUGHLY): 6--PARTS GOOD QUALITY TOPSOIL; 2--PARTS WELL ROTTED COW MANURE; 1--PART PEAT MOSS
 2. SHRUBS SPECIFIED BARE ROOTS (B.R.) TO BE PLANTED SO THAT ROOTS ARE PLACED NATURALLY WITH SOIL MIX BACKFILLED CAREFULLY TO PREVENT ROOT DAMAGE.
 3. APPLY WATER SOLUBLE FERTILIZER (5-3-2 RATIO) MIX RATE 9kg/255L, PER 100m OF SHRUB BED AREA. WATER PLANT MATERIAL IMMEDIATELY AFTER PLANTING.
 4. PROVIDE 100 HIGH EARTH SAUCER AROUND SHRUB BED WITH 100 WIDE SMOOTH BED EDGE TO RETAIN MULCH.

1 SHRUB PLANTING DETAIL
L105 NTS



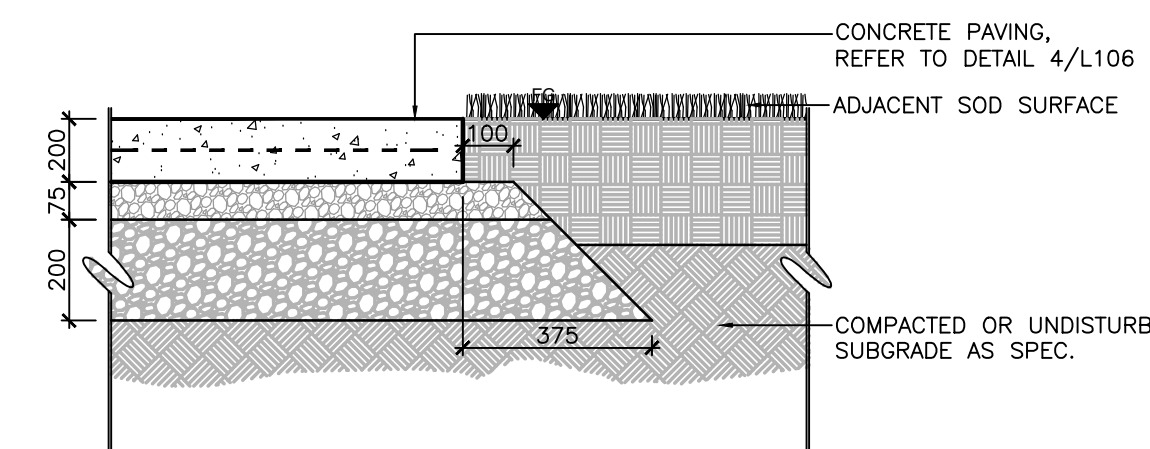
- NOTES:
1. PLACE AT CORRECT ELEVATION. REMOVE POT WITHOUT DISTURBING ROOT SYSTEM. ROOT SYSTEM SHALL HOLD SOIL BUT SHALL NOT BE POTBOUND. IF POTBOUND, CUT ROOTS APPROPRIATELY.

2 TYPICAL PERENNIAL/GRASSES PLANTING
L105 NTS

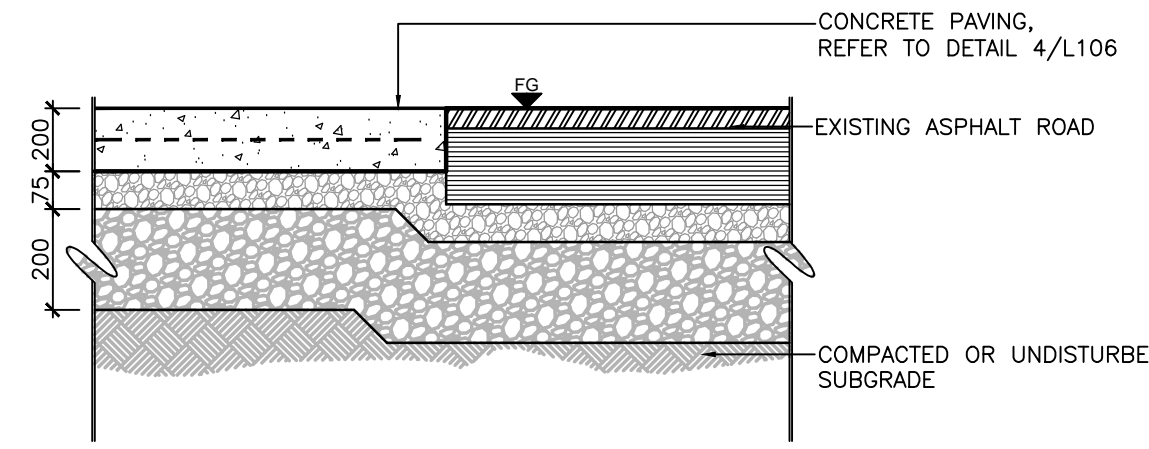


- NOTES:
- FINISHED TOPSOIL SURFACE AFTER FINE GRADING SHALL BE FIRM AGAINST FOOTPRINTS.
 - LAY SOD IN ROWS, PERPENDICULAR TO SLOPE AND WITH CROSS JOINTS STAGGERED.
 - WATER SOD THOROUGHLY IMMEDIATELY UPON COMPLETION TO PENETRATE 100mm INTO TOPSOIL COURSE.

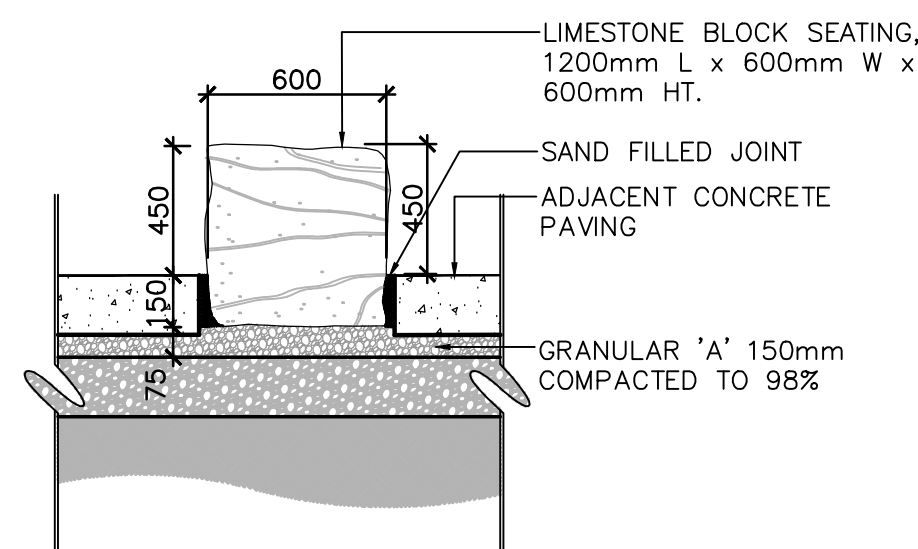
3 SOD
L105 NTS



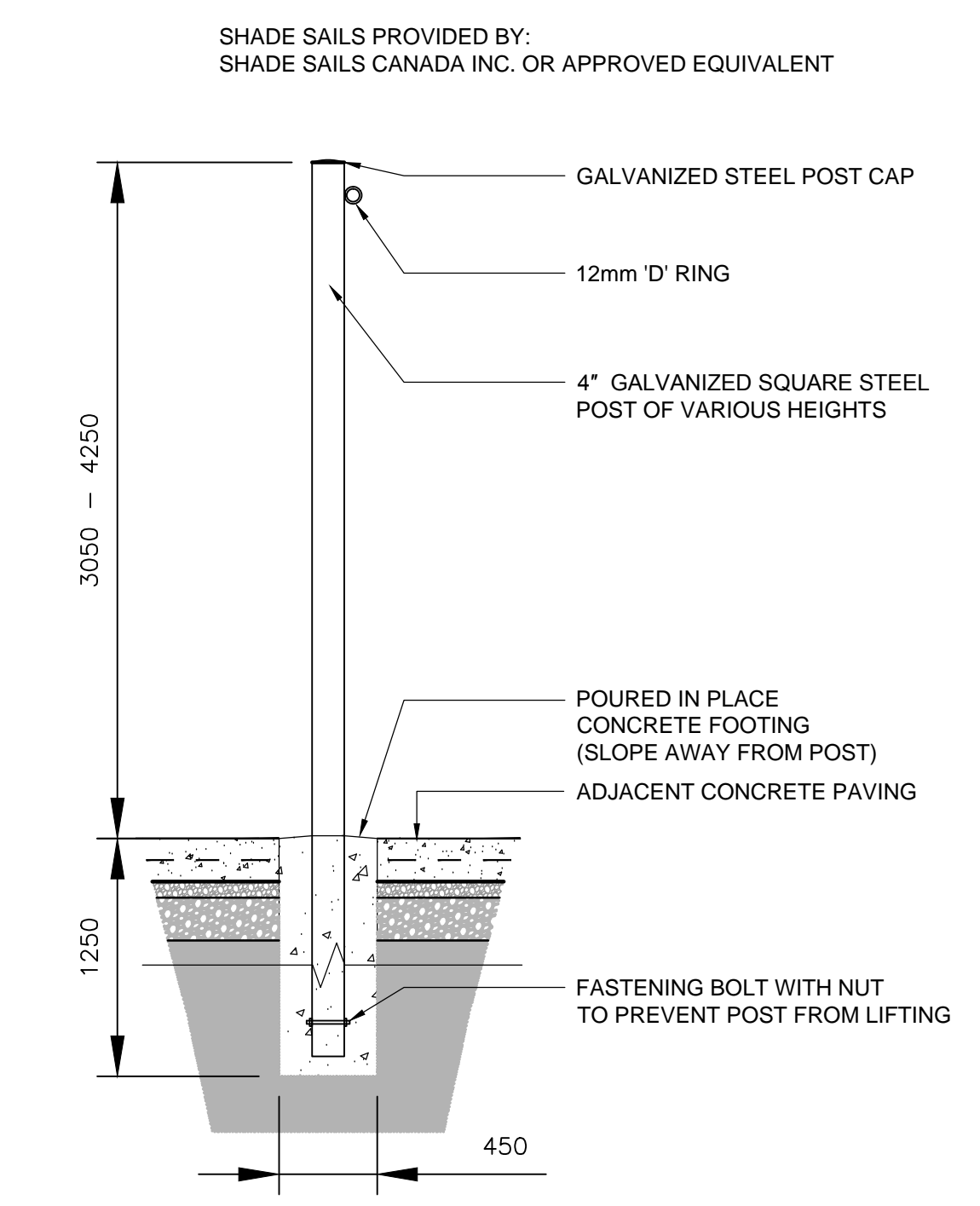
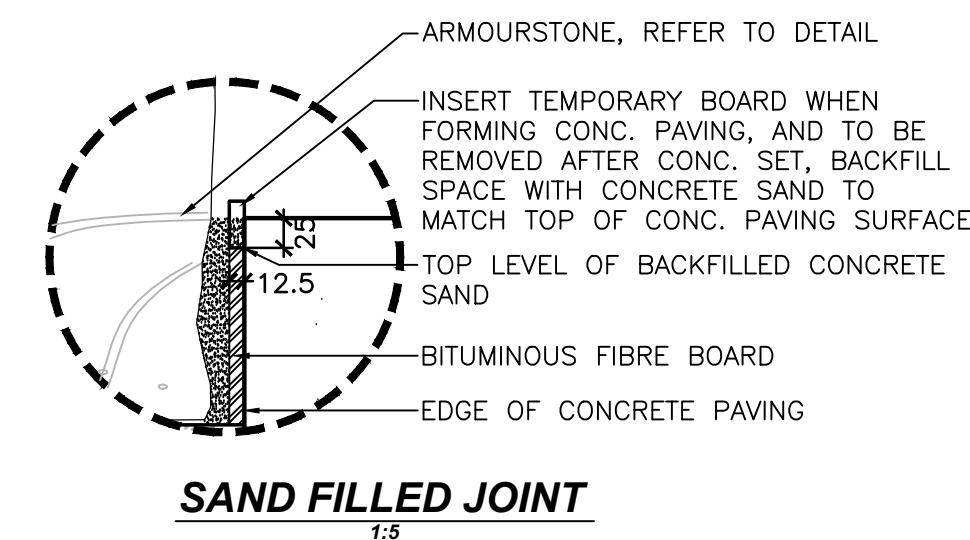
4 CONCRETE PAVING ADJACENT TO SOD
L105 1:20



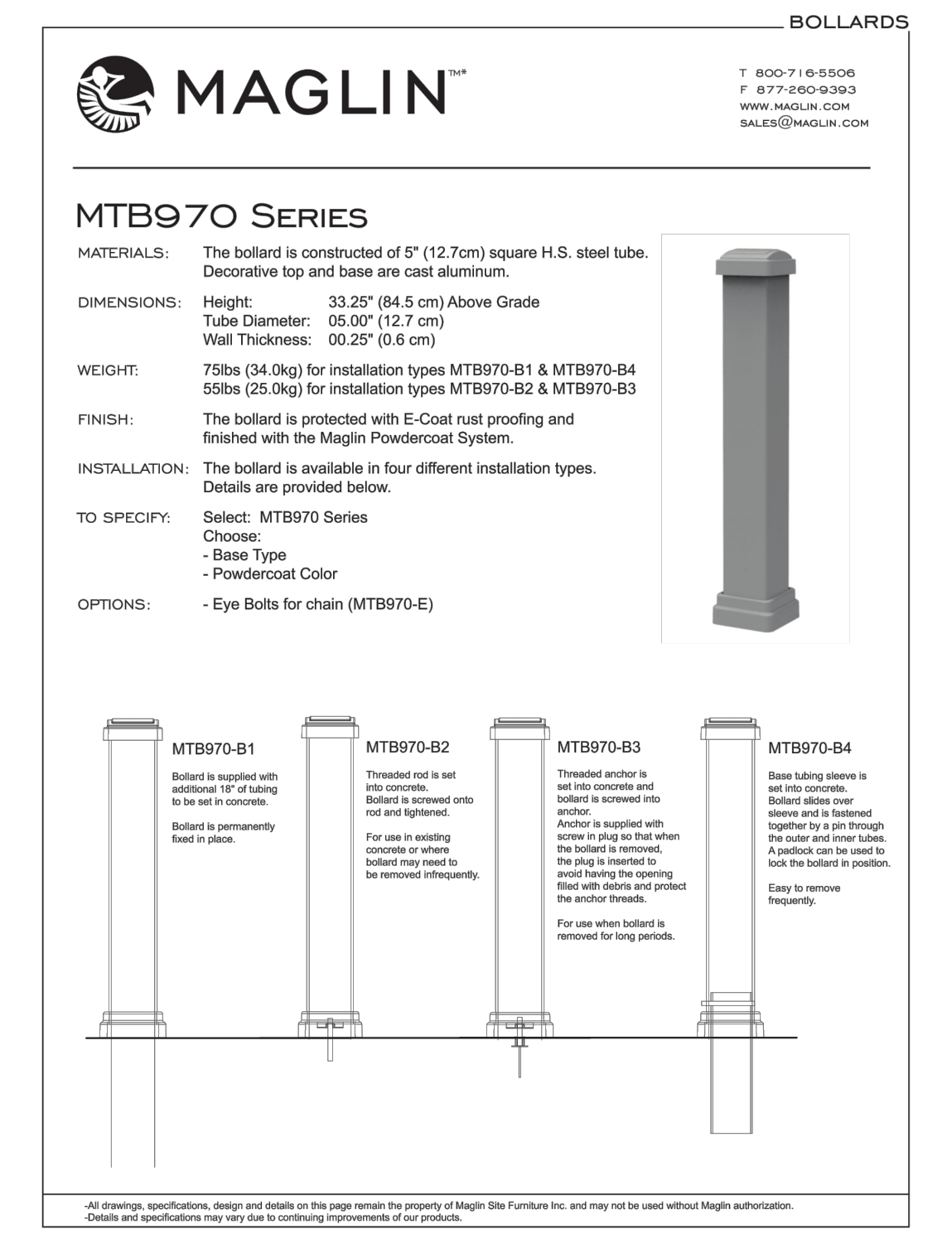
5 CONCRETE PAVING AT EX. ASPHALT
L105 1:10



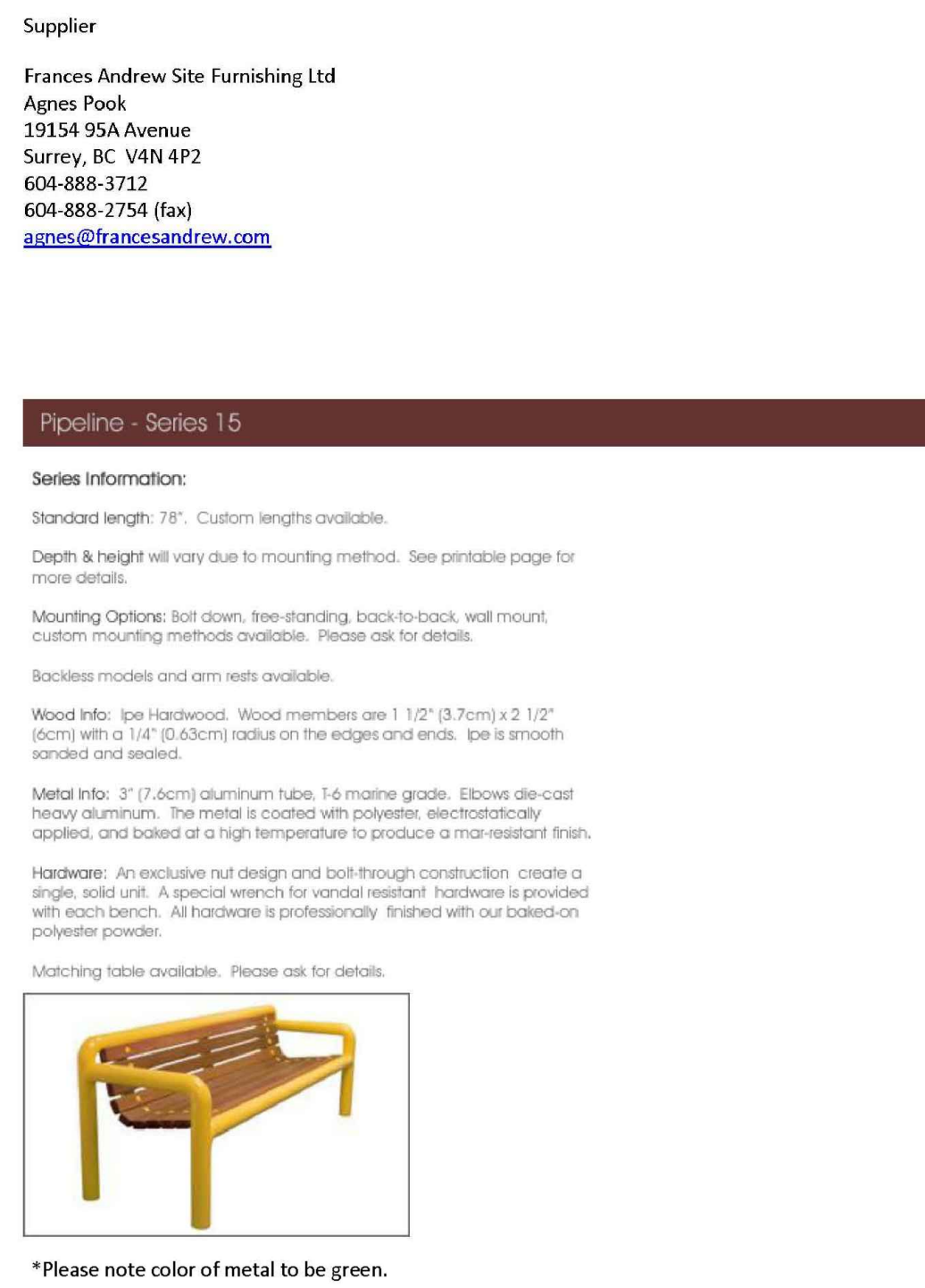
7 CONCRETE PAVING ADJACENT TO LIMESTONE BLOCK
L105 1:10



8 SHADE SAIL POST
L105 1:30



9 REMOVABLE STEEL BOLLARD
BY MAGLIN OR APPROVED EQUIVALENT
L105 NTS



10 BENCH ON CONCRETE PAVING
BY FRANCES ANDREW SITE FURNISHING LTD OR APPROVED EQUIVALENT
L105 NTS

PARKS CANADA
PARCS CANADA

SOUTHWESTERN ONTARIO
FIELD UNIT

ASSET MANAGEMENT SECTION

DILLON
CONSULTING

NOT FOR CONSTRUCTION

1	ISSUED FOR TENDER	AUG. 31, 2015
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A	Detail No. No. du détail
B	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet

LEAMINGTON ONTARIO
POINT PEELE NATIONAL PARK
1118 POINT PEELE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin

LANDSCAPE DETAILS

drawn by
dessine par

SLS

designed by
conc par

SLS

approved by
approve par

LDP

tender
soumission

DCW

project manager
administrateur
de projets

project date
date du projet

APRIL 2015

project no.
no. du projet

138383

drawing no.
dessine no.

L105

NOT FOR CONSTRUCTION

1	ISSUED FOR TENDER	AUG. 31, 2015
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immediately notify the engineer of all discrepancies.

A	Detail No. No. du détail
B	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title
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1118 POINT PEELE DR.
LEAMINGTON, N8H 3V4
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titre du dessin
LANDSCAPE DETAILS

drawn by
dessiné par
SLS

designed by
conc par
SLS

approved by
approuvé par
LDP

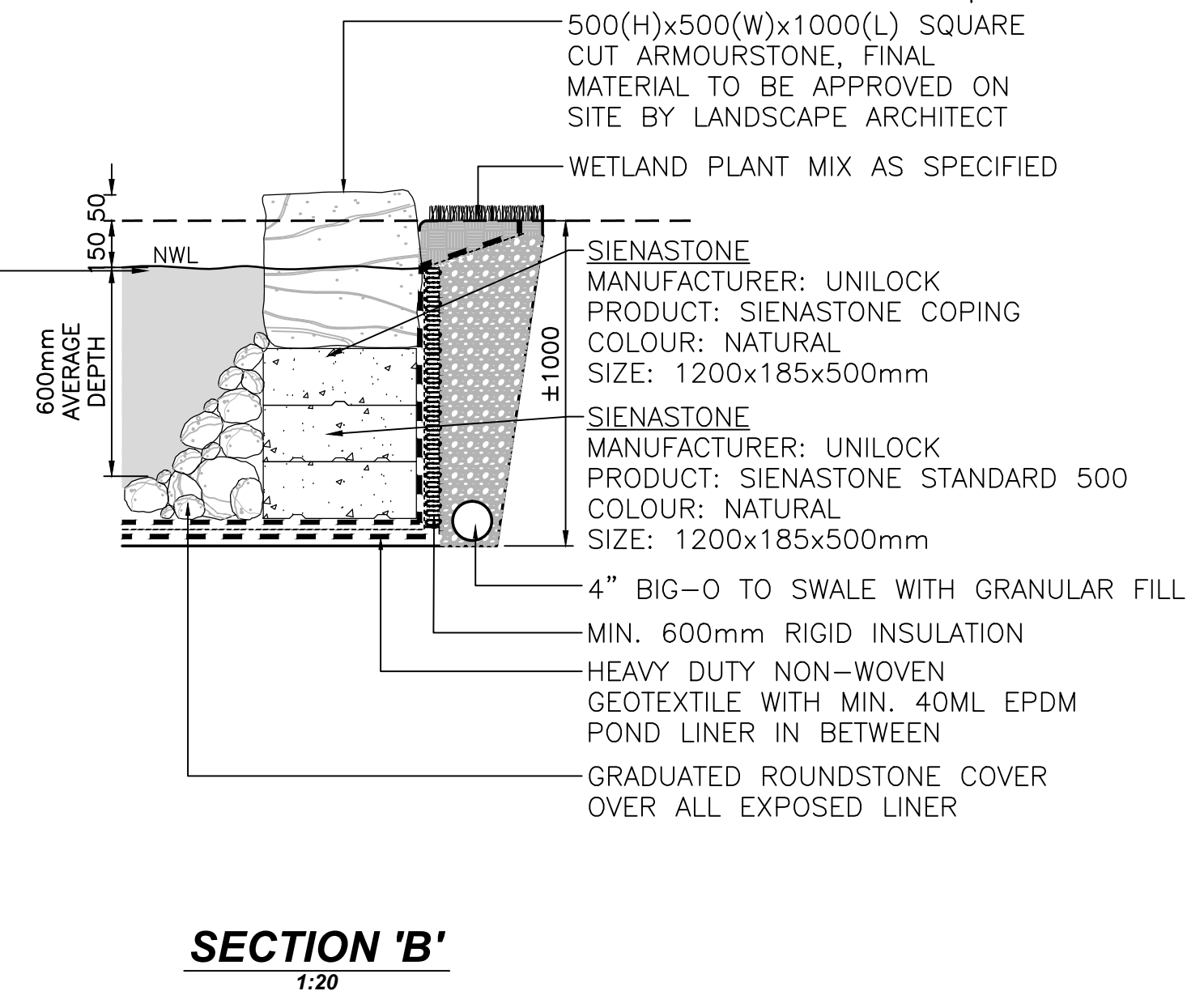
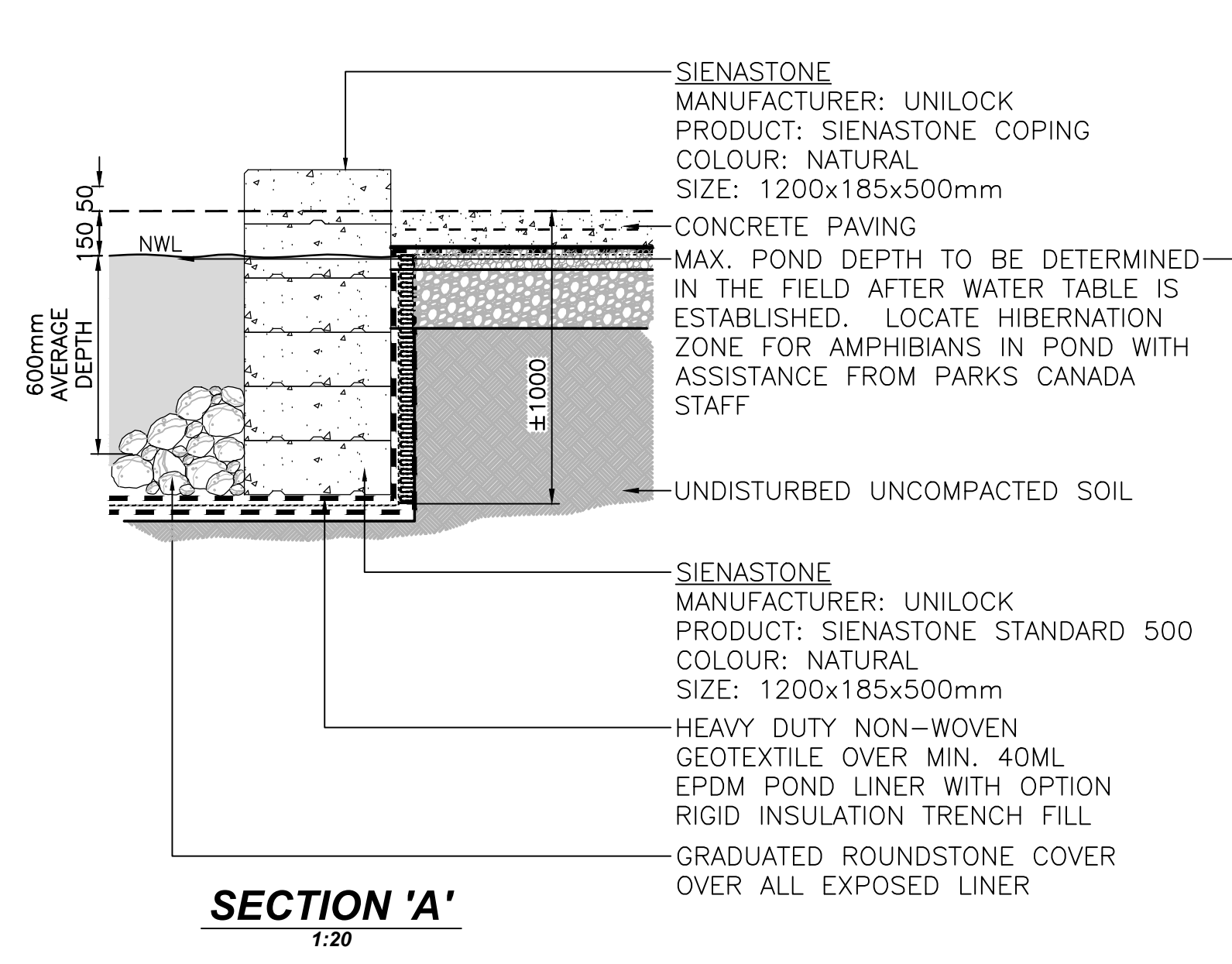
tender
soumission
DCW

project date
date du projet
APRIL 2015

project no.
no. du projet
138383

drawing no.
dessin no.
L106

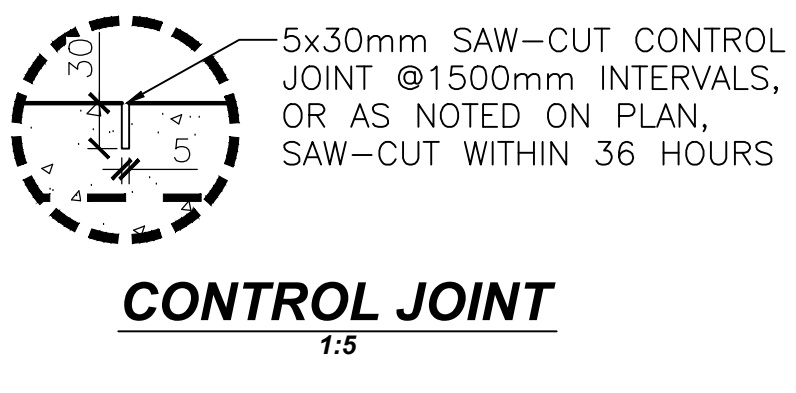
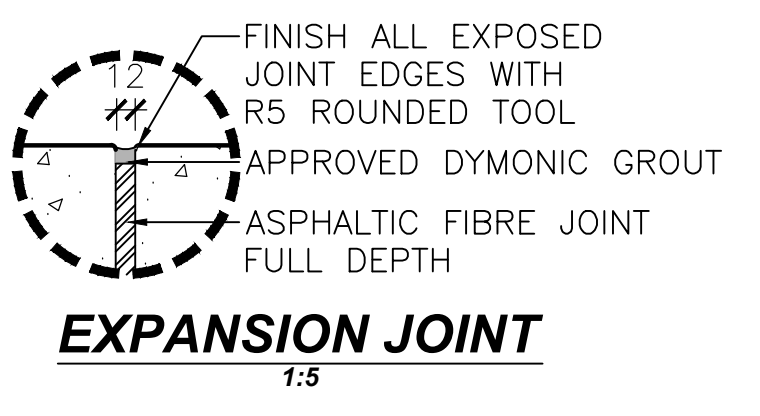
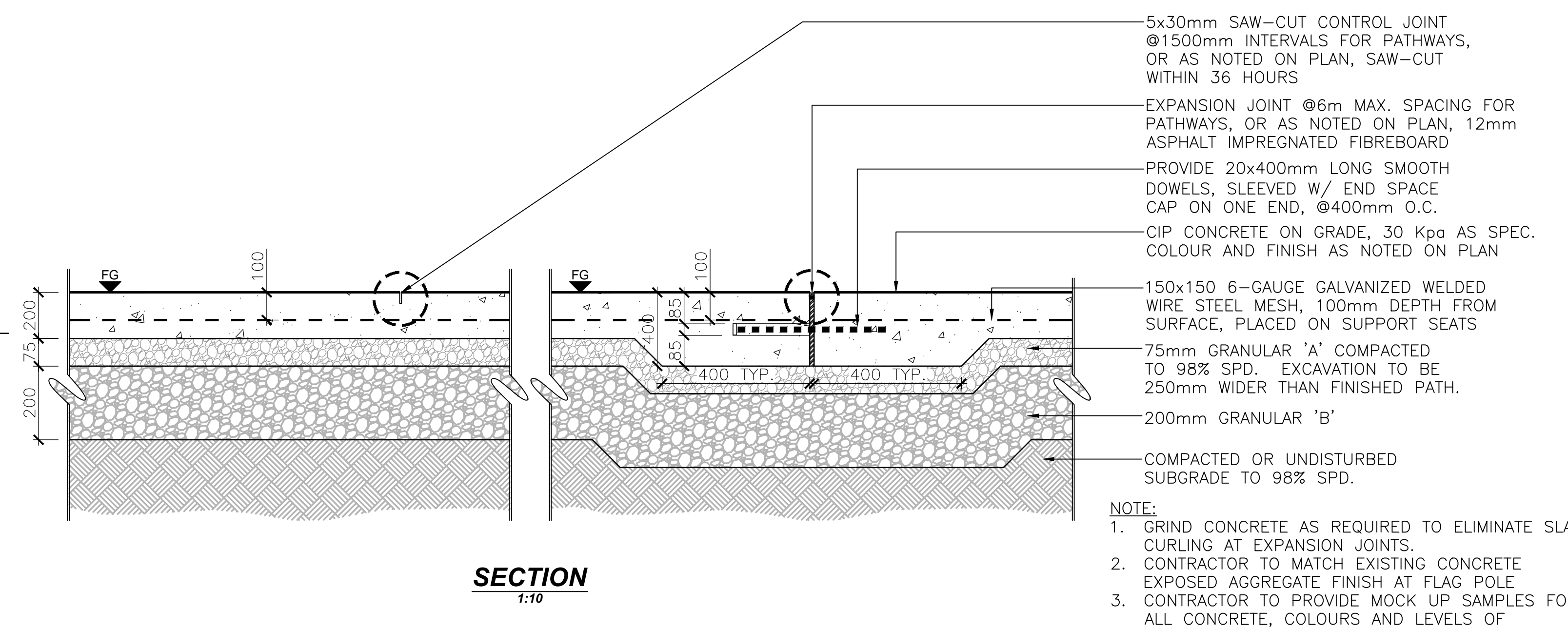
List of Water Feature Components		
ITEM	COMPONENT / MATERIAL	DESCRIPTION
1	Non-woven geotextile protection liners	Supply and install geotextile under liner and between liner and wall stone, armourstone and cobbles. Leave no EPDM liner exposed.
2	40mil EPDM liner	Supply and install liner over geotextile and undisturbed native soils. Prepare subsurface drainage with tile drains and connect to relief sump.
3	Sidewall surface skimmer	Supply and install surface skimmer by Aquascape or equivalent
4	Submersible pump	Supply Tsurumi 50PU2.4 (72gpm) pump and install as part of the skimmer assembly.
5	Bubbler feature stone	Supply and install feature stone to match armourstone. Core drill a vertical 50mm (2") diameter hole with 250mm dissipation bowl at outlet (top) and horizontal cut-out for 37.5mm (1.5") supply pipe at base of stone.
6	Pipe, hose, fittings and appurtenances	Supply and install rigid pipe, flex hose, fittings and valves.
7	Armourstone/ Sienastone Pond Wall	Supply and install ledgerrock armourstone in random lengths. Final coping course over sienastone
8	Beach pebbles and cobbles	Supply and install various roundstones as per plan.
10	Relief sump culvert and drain tile	Provide subsurface perforated drainage tile below liner and connect to 450mm diameter corrugated ABS culvert. Install vertically near pond and GFI electrical supply.



1 POND - BRIDGE WALL
L106 1:20

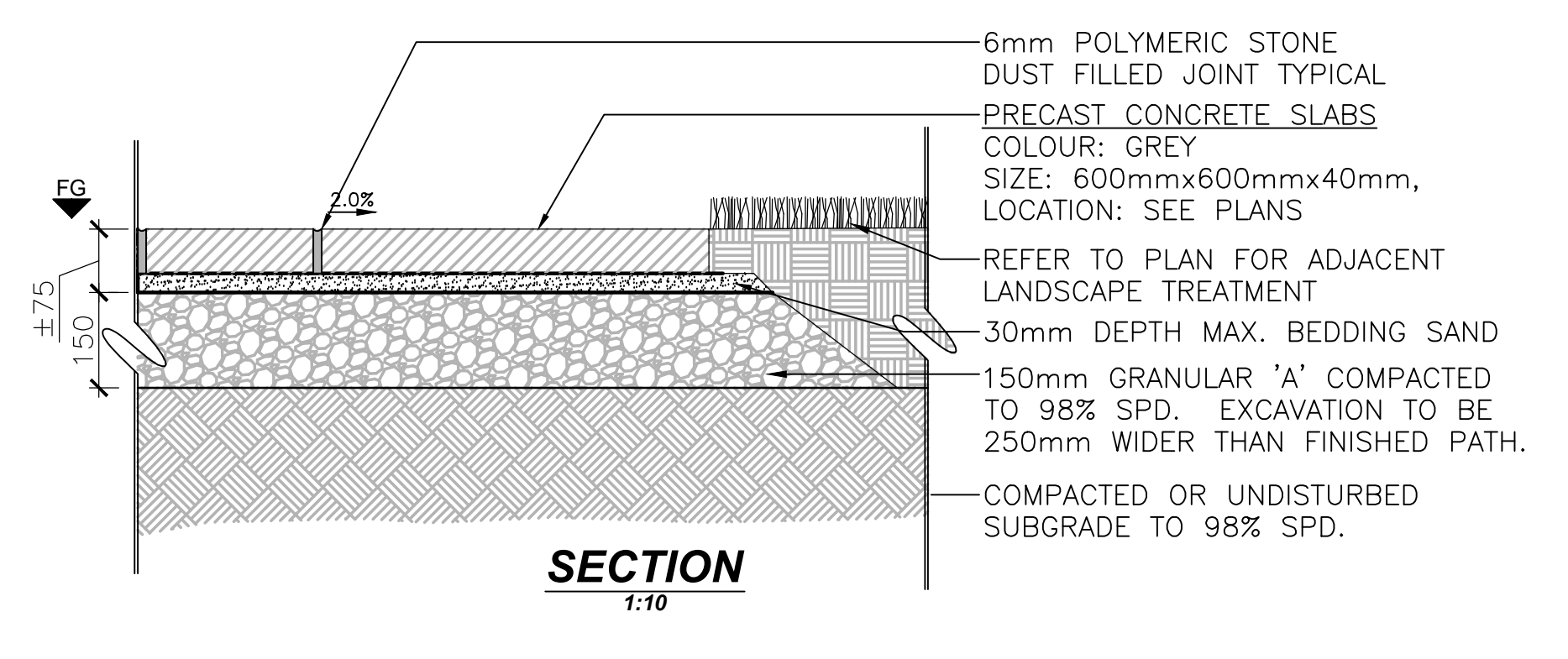
2 POND WALL
L106 1:20

3 POND COMPONENTS
L106 NTS

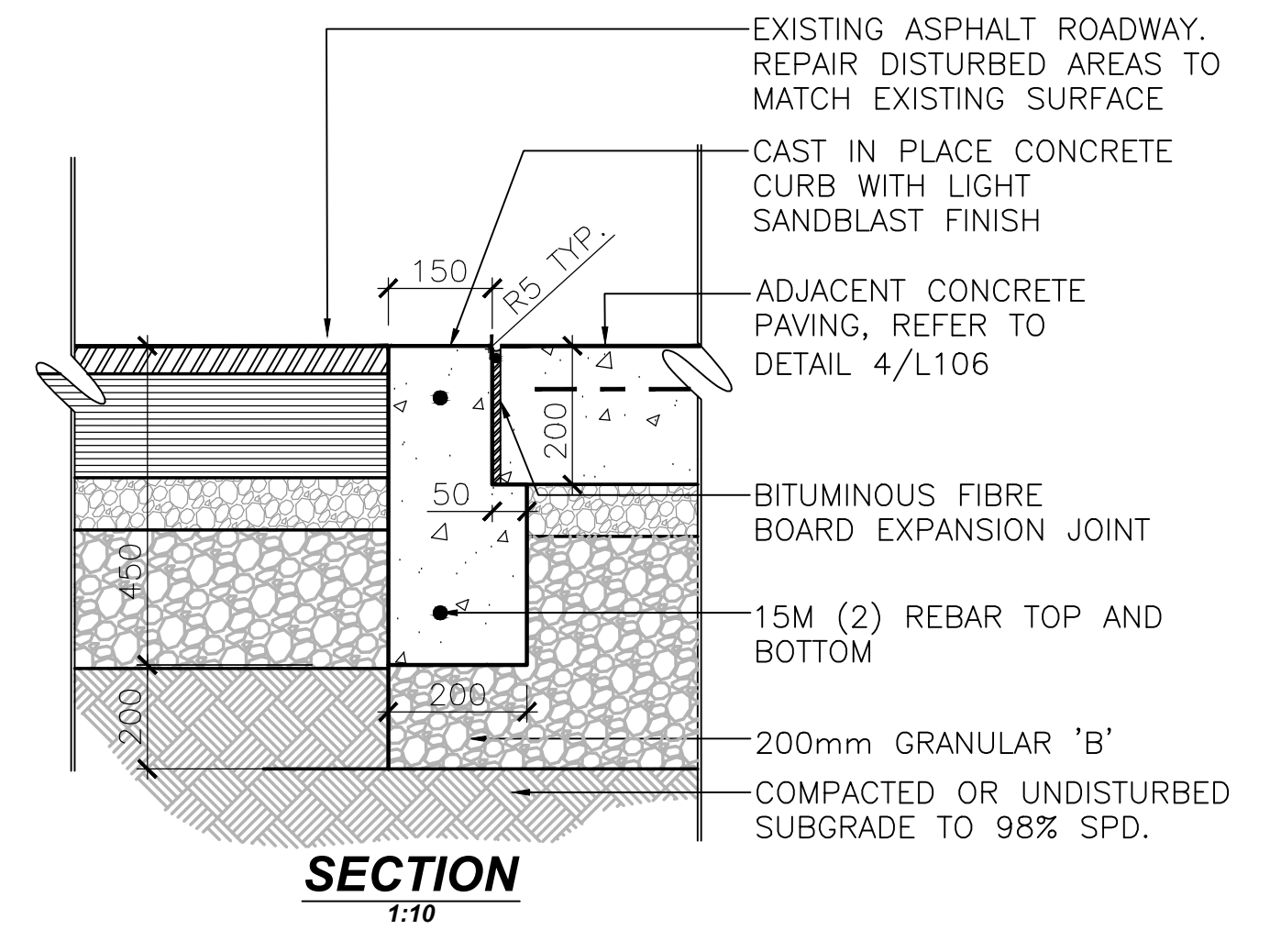


4 CONCRETE PAVING
L106 1:10

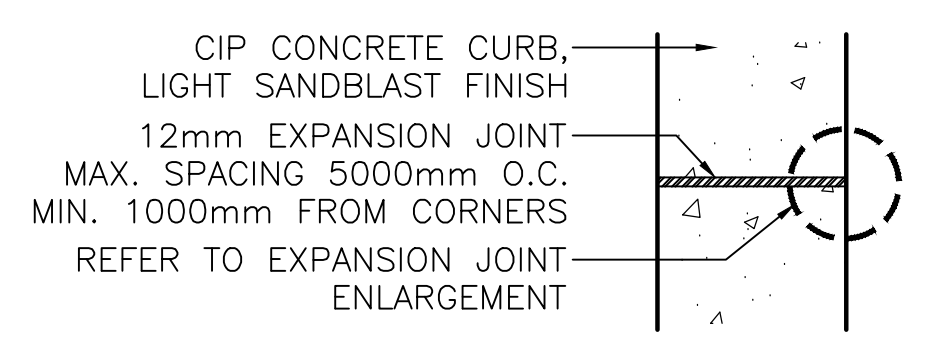
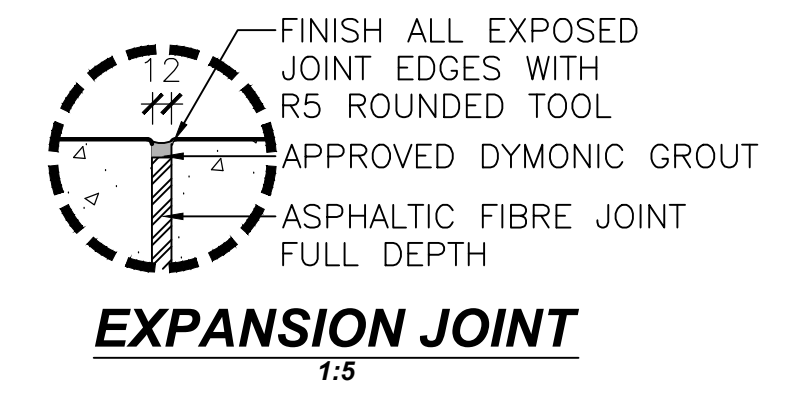
NOTE:
1. GRIND CONCRETE AS REQUIRED TO ELIMINATE SLAB CURLING AT EXPANSION JOINTS.
2. CONTRACTOR TO MATCH EXISTING CONCRETE EXPOSED AGGREGATE FINISH AT FLAG POLE
3. CONTRACTOR TO PROVIDE MOCK UP SAMPLES FOR ALL CONCRETE, COLOURS AND LEVELS OF AGGREGATE EXPOSURE FINISH, FOR APPROVAL BY CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.



5 MAINTENANCE APRON
L106 1:10



6 CONCRETE CURB ADJACENT TO CONCRETE
L106 1:10



NOTE:
ALL CURBS TO HAVE 12mm EXPANSION JOINTS
MAX. SPACING 5000mm O.C.
MIN. 1000mm FROM CORNERS

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1	ISSUED FOR TENDER	2015-08-26
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A	Detail No.	No. du détail
B	drawing no. - where detail required	dessin no. - où détail exigé
C	drawing no. - where detailed	dessin no. - où détaillé

project title
titre du projet
LEAMINGTON ONTARIO
POINT PELEE NATIONAL PARK
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin

LANDSCAPE DETAILS

drawn by
dessiné par SLS

designed by
conçu par SLS

approved by
approuvé par LDP

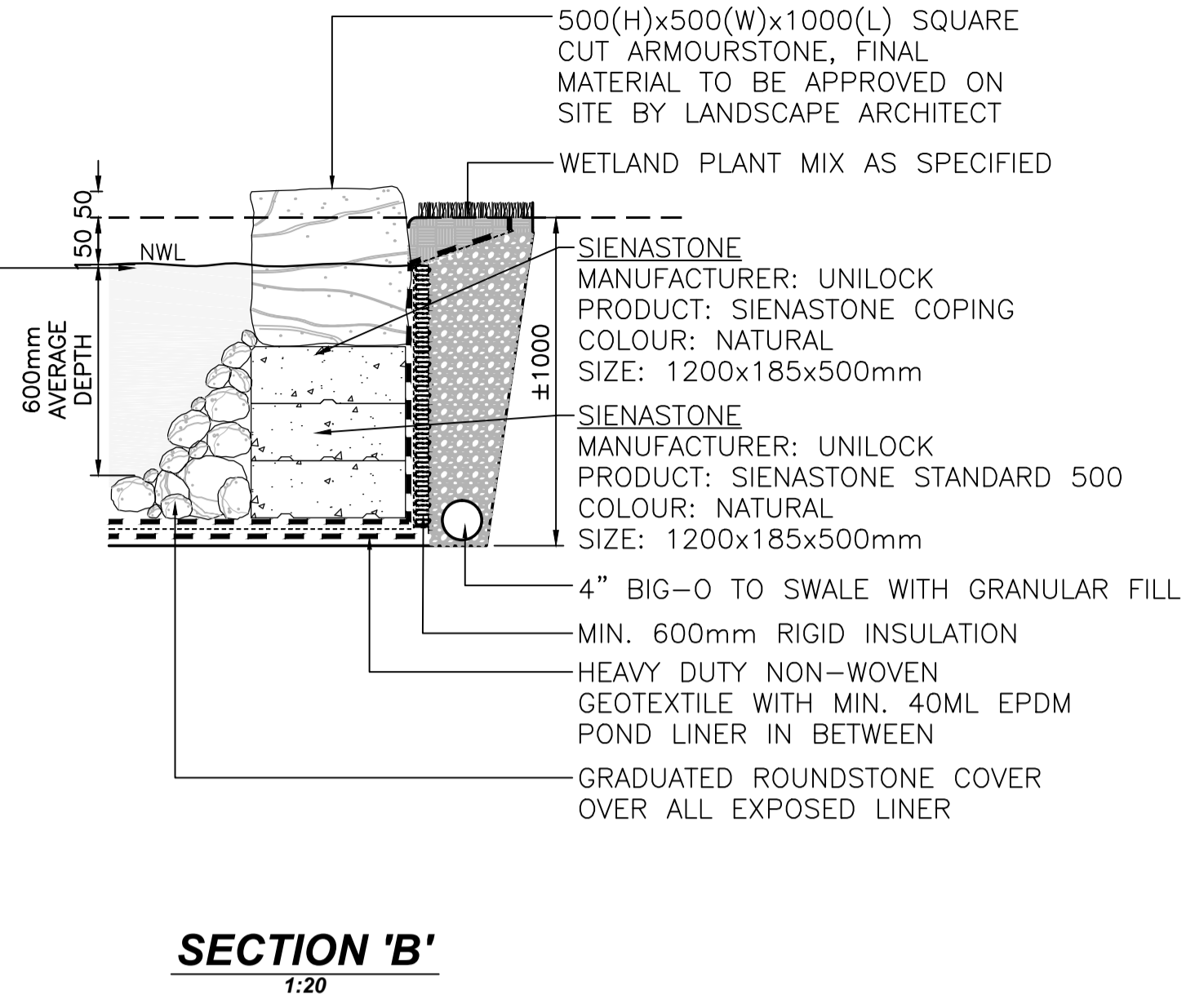
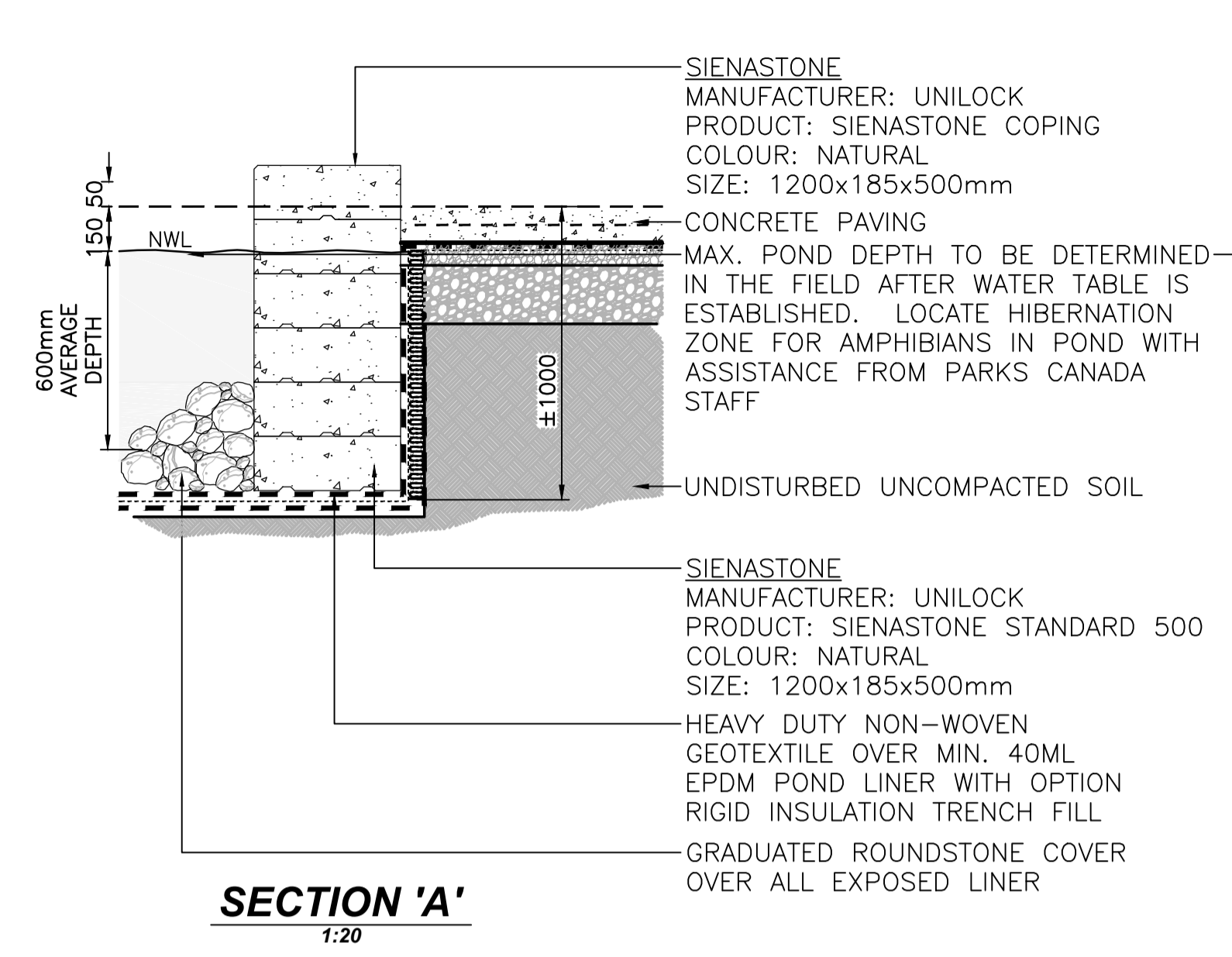
tender submission
soumission DCW

project date
date du projet APRIL 2015

project no.
no. du projet 138383

drawing no.
dessiné no. L106

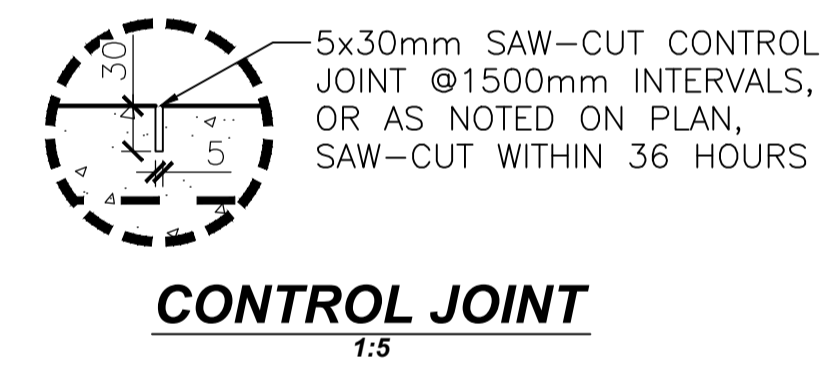
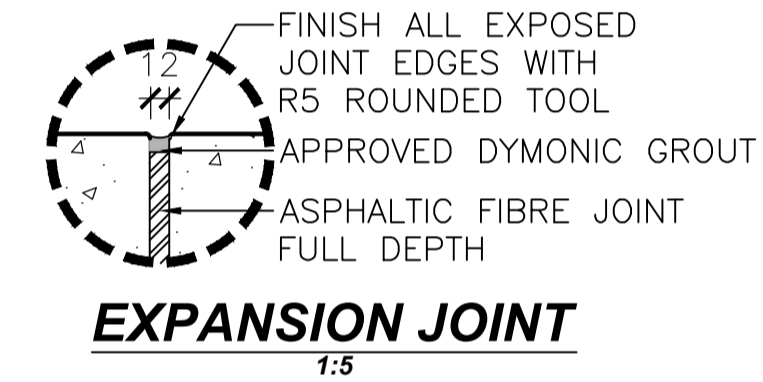
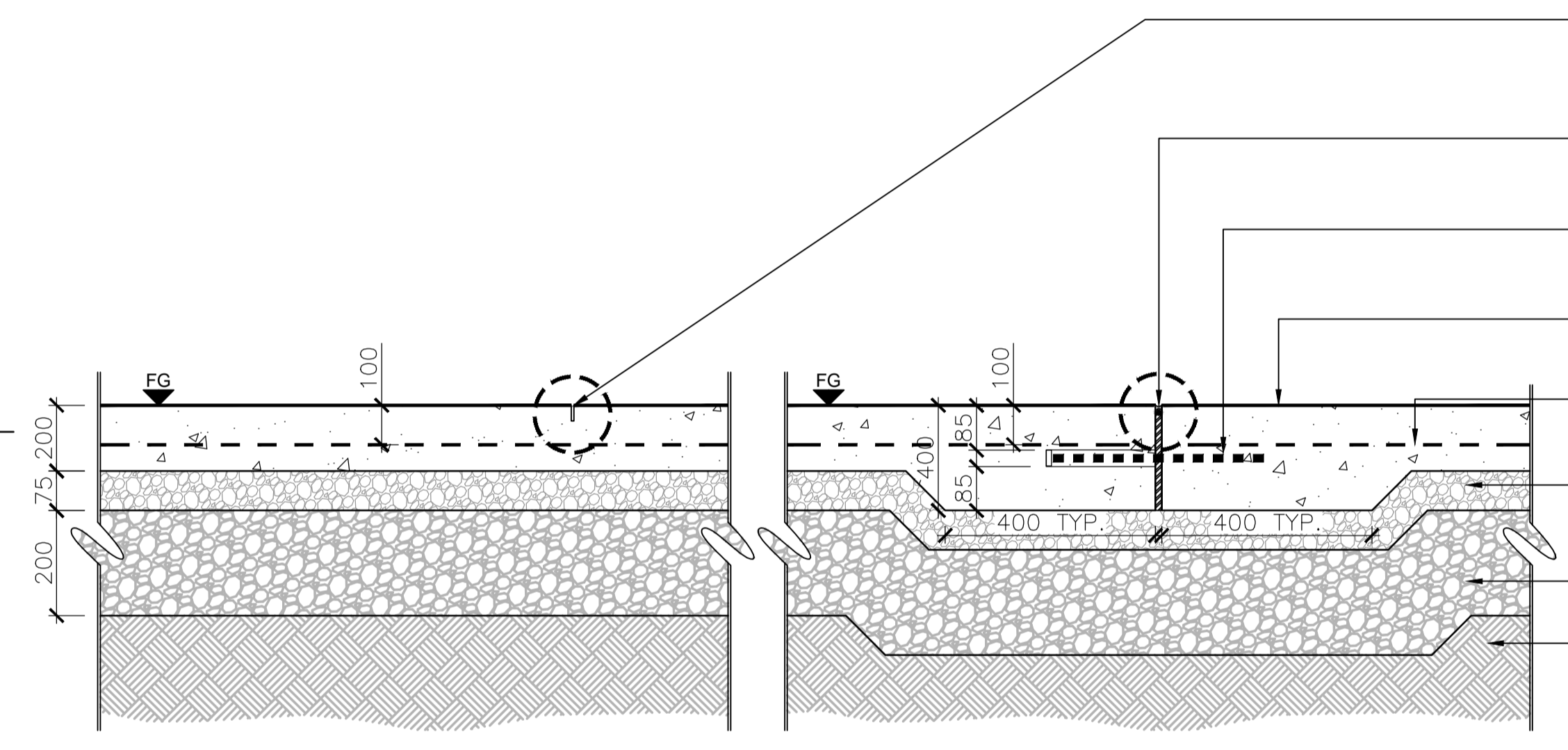
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1 POND - BRIDGE WALL
L106 1:20

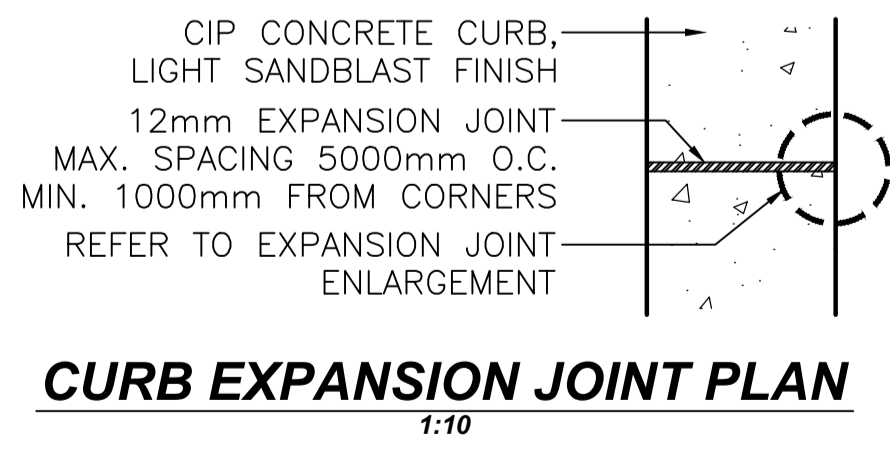
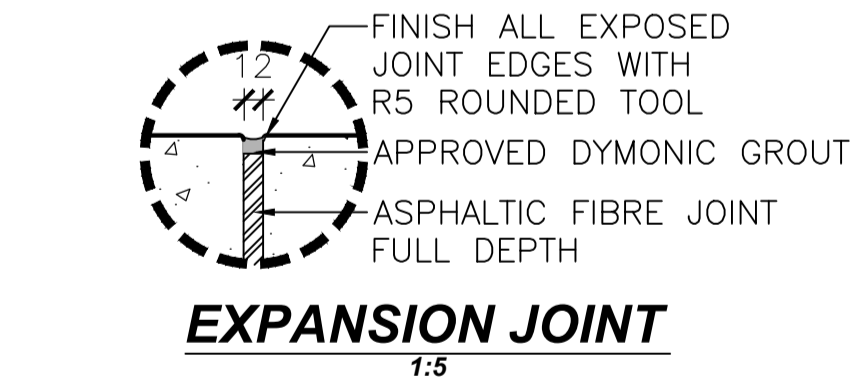
2 POND WALL
L106 1:20

3 POND COMPONENTS
L106 NTS



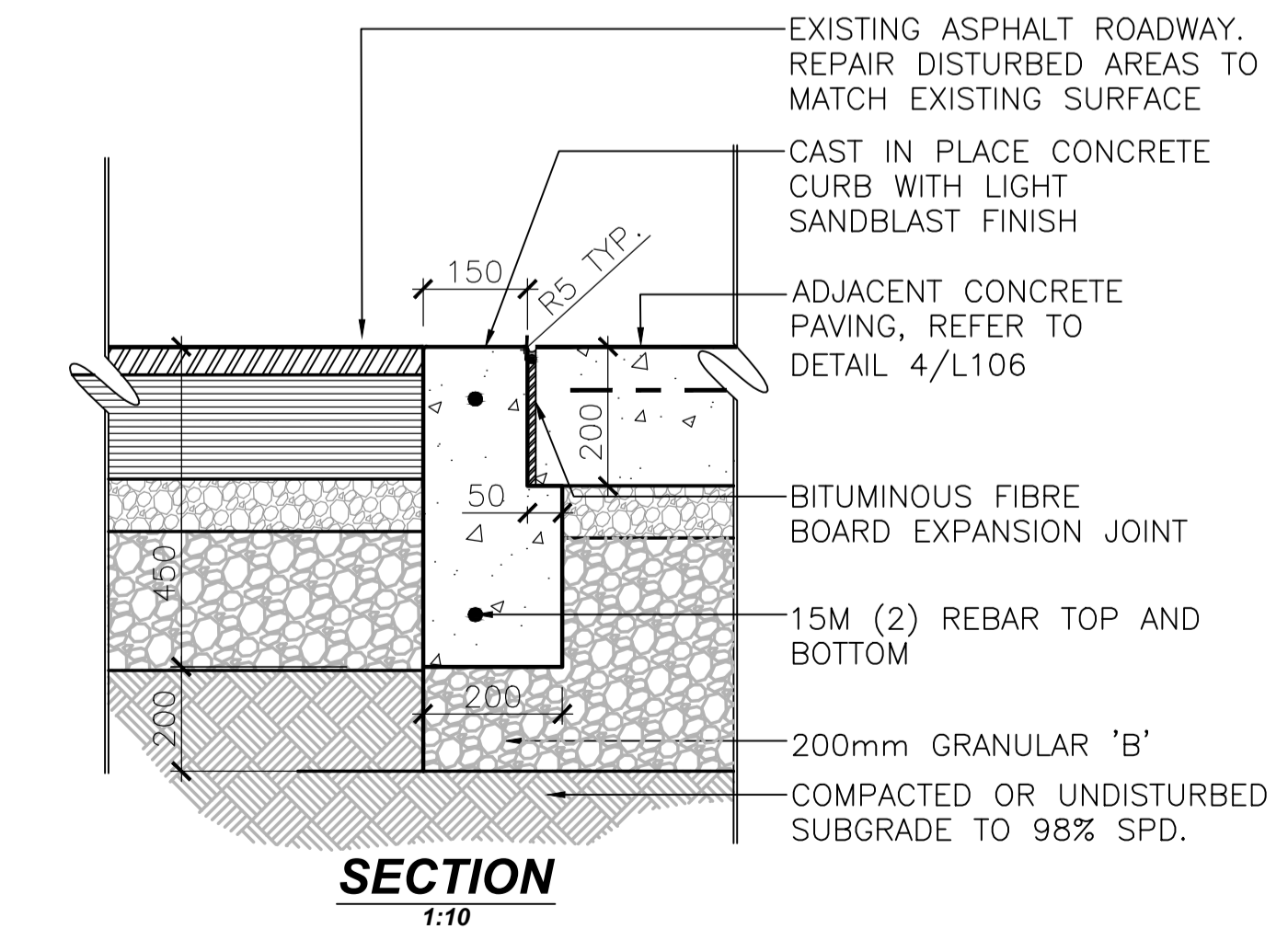
4 CONCRETE PAVING
L106 1:10

5x30mm SAW-CUT CONTROL JOINT @1500mm INTERVALS FOR PATHWAYS, OR AS NOTED ON PLAN, SAW-CUT WITHIN 36 HOURS
EXPANSION JOINT @6m MAX. SPACING FOR PATHWAYS, OR AS NOTED ON PLAN, 12mm ASPHALT IMPREGNATED FIBREBOARD
PROVIDE 20x400mm LONG SMOOTH DOWELS, SLEEVED W/ END SPACE CAP ON ONE END, @400mm O.C.
CIP CONCRETE ON GRADE, 30 Kpa AS SPEC. WITH LIGHT SANDBLAST FINISH, OR AS NOTED ON PLAN
150x150 6-GAUGE GALVANIZED WELDED WIRE STEEL MESH, 100mm DEPTH FROM SURFACE, PLACED ON SUPPORT SEATS
75mm GRANULAR 'A' COMPACTED TO 98% SPD. EXCAVATION TO BE 250mm WIDER THAN FINISHED PATH.
200mm GRANULAR 'B'
COMPACTED OR UNDISTURBED SUBGRADE TO 98% SPD.
NOTE:
1. GRIND CONCRETE AS REQUIRED TO ELIMINATE SLAB CURLING AT EXPANSION JOINTS.
2. MATCH EXISTING CONCRETE AT FLAG POLE
3. CONTRACTOR TO PROVIDE SAMPLES FOR COLOUR AND LEVELS OF EXPOSURE FINISH



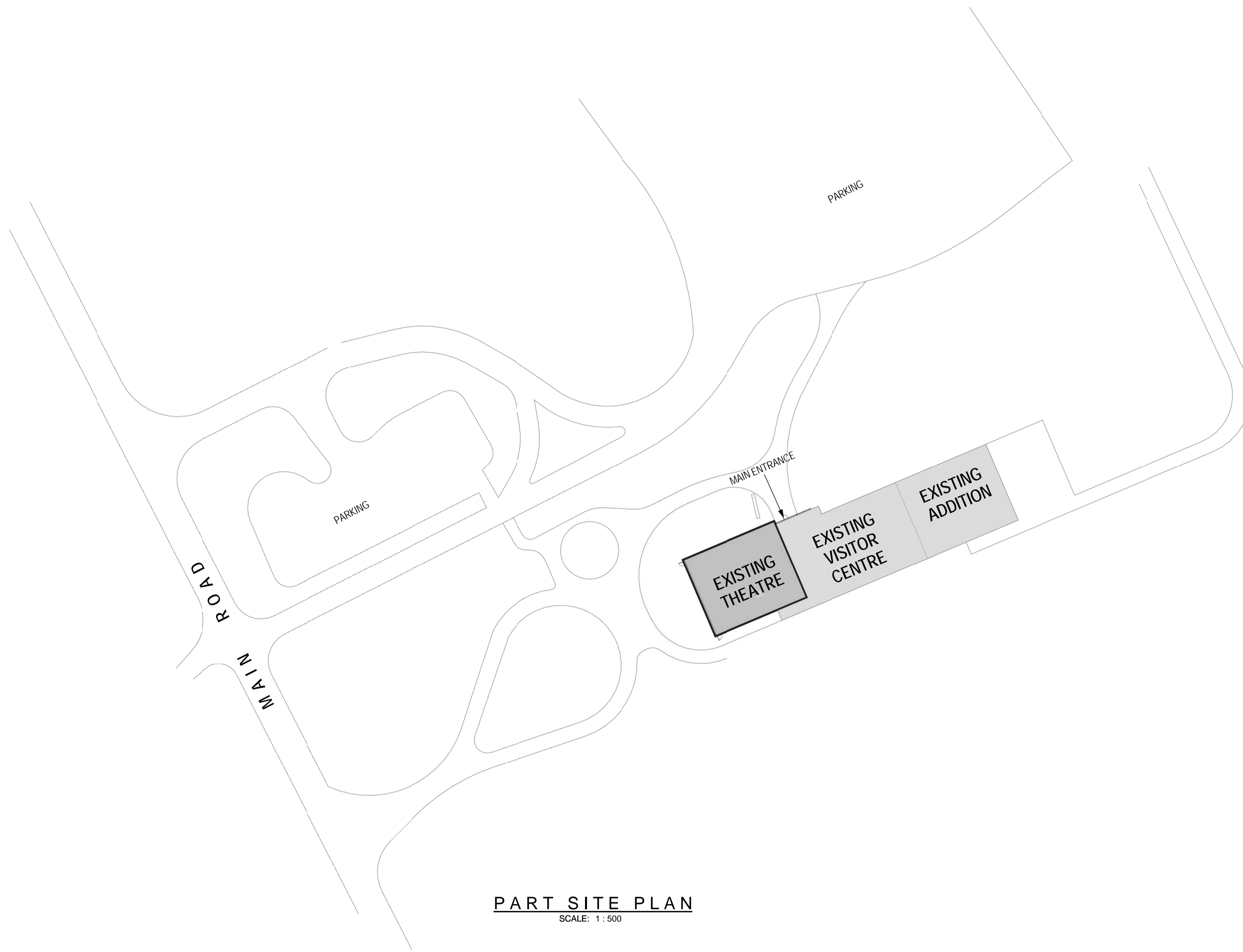
NOTE:
ALL CURBS TO HAVE 12mm EXPANSION JOINTS
MAX. SPACING 5000mm O.C.
MIN. 1000mm FROM CORNERS

5 MAINTENANCE APRON
L106 1:10



6 CONCRETE CURB ADJACENT TO CONCRETE
L106 1:10

TRUE NORTH



PART SITE PLAN
SCALE: 1:500

DILLON CONSULTING LIMITED, 3200 DEZIEL DRIVE, SUITE 608, WINDSOR, ONTARIO, N8M 5K8, PHONE (519) 948-5000, FAX (519) 948-5054



PARKS CANADA
PARCS CANADA



SOUTHWESTERN ONTARIO
FIELD UNIT

ASSET MANAGEMENT SECTION

DILLON
Building Design Ltd.
Engineers and Architects

130 Dufferin Avenue, London, Ontario, N6A 5R2
Phone: (519) 438-6192, Fax: (519) 672-8209
E-mail: london@dillon.ca

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revision	description	date
1	ISSUED FOR TENDER	2015-08-26

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- A Detail No.
No. du detail
- B drawing no. - where detail required
dessin no. - ou detail exigé
- C drawing no. - where detailed
dessin no. - ou détaillé

project title
titre du projet
LEAMINGTON ONTARIO
POINT PELEE NATIONAL PARK
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
SITE PLAN

drawn by
dessiné par
MGS

designed by
conçu par
LDP

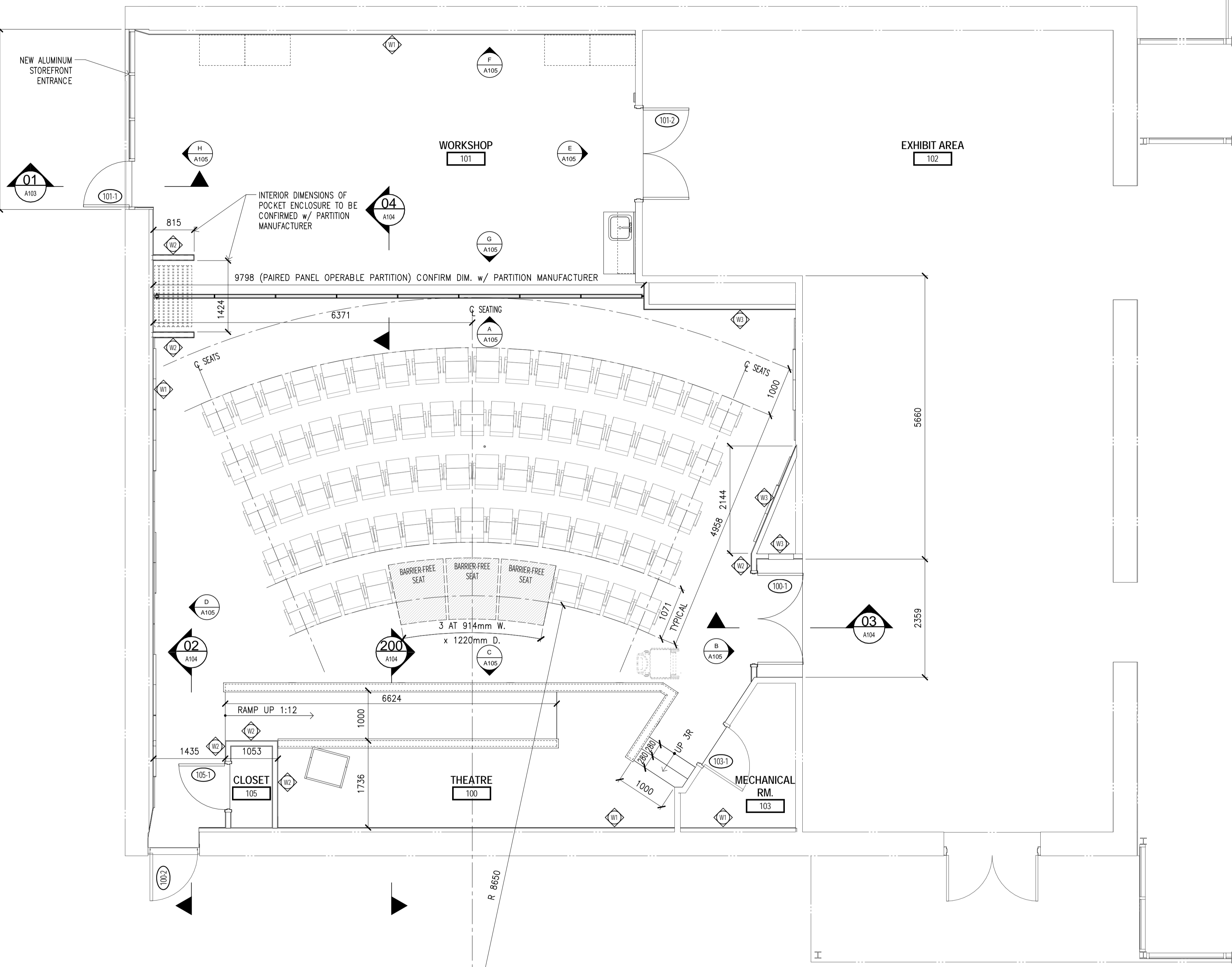
approved by
approuvé par

tender
soumission
MARK MAJOR project manager
administrateur de projets

project date
date du projet
2013/11/18

project no.
no. du projet
138383

drawing no.
dessiné no.
A100



GROUND FLOOR PLAN
SCALE: 1:50

ROOF TYPE SCHEDULE

(R1)	ROOF MEMBRANE 6mm OVERLAY BOARD TAPERED INSULATION (R31) VAPOUR BARRIER EXISTING CONCRETE DECK	
------	--	--

WALL TYPE SCHEDULE

(W1)	EXIST. FACEBRICK EXIST. AIR SPACE EXIST. INSULATION EXIST. MASONRY VERTICAL 76 METAL Z-FURRING CHANNELS AT 406mm O.C. SPRAY APPLIED INSULATION (R20) 12.7 GYPSUM BOARD	
(W2)	12.7 GYPSUM BOARD 92 METAL STUD AT 406mm O.C. 12.7 GYPSUM BOARD	
(W3)	92 METAL STUD AT 406mm O.C. 12.7 GYPSUM BOARD	

CEILING TYPE SCHEDULE

(C1)	38mm METAL FURRING CHANNELS 12.7mm GYPSUM BOARD	
------	--	--

PARKS CANADA
PARCS CANADA

**SOUTHWESTERN ONTARIO
FIELD UNIT**
ASSET MANAGEMENT SECTION

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revision		date

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LEAMINGTON ONTARIO
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1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
**ARCHITECTURAL
FLOOR PLAN AND
SCHEDULES**

drawn by
dessiné par **MGS**

designed by
conçue par **LDP**

approved by
approuvé par

tender
soumission **MARK MAJOR** project manager
administrateur de projets

project date
date du projet **2013/11/18**

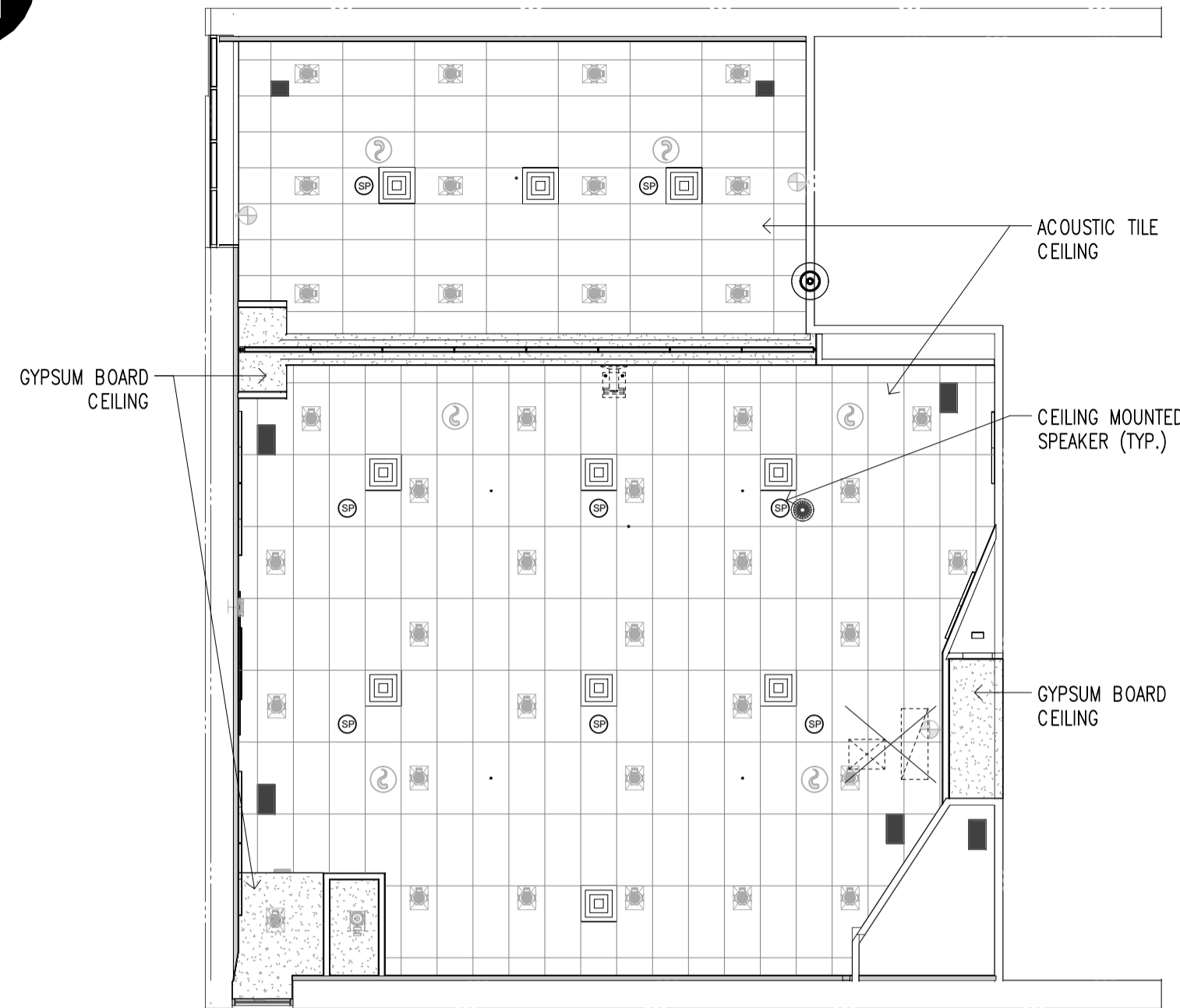
project no.
no. du projet **138383**

drawing no.
dessiné no. **A102**

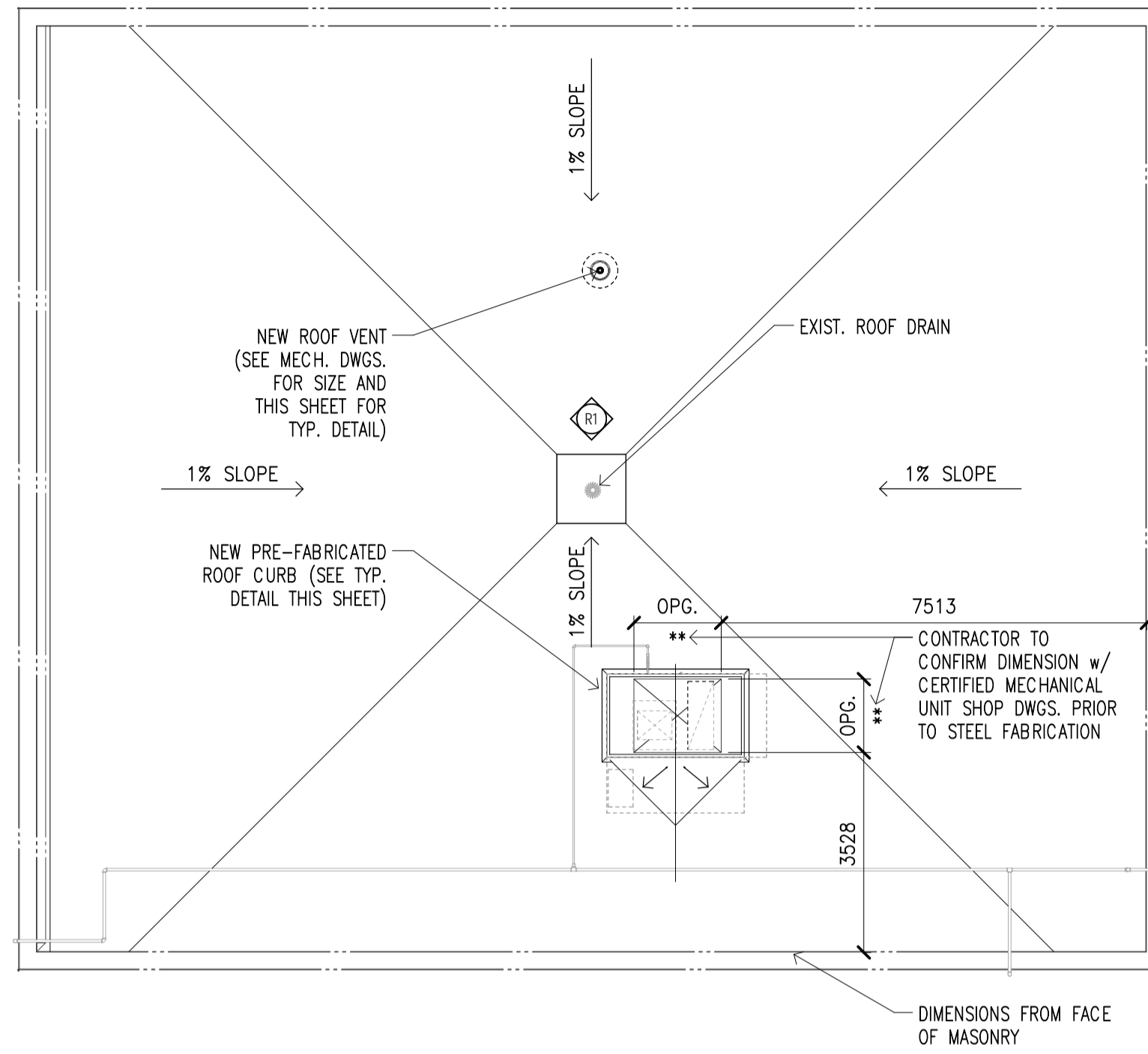
FURNITURE SCHEDULE

NUMBER REQ'D	TYPE	SIZE	DESCRIPTION	COMMENTS
4	FREESTANDING STORAGE UNIT	908 mm W x 610 mm D	3048 mm HIGH TALL STORAGE UNIT WITH 2 DRAWERS	
54	STACKABLE CHAIR	-	CANTILEVER	
10	STACKABLE FOLDING TABLE	1600 mm x 800 mm		

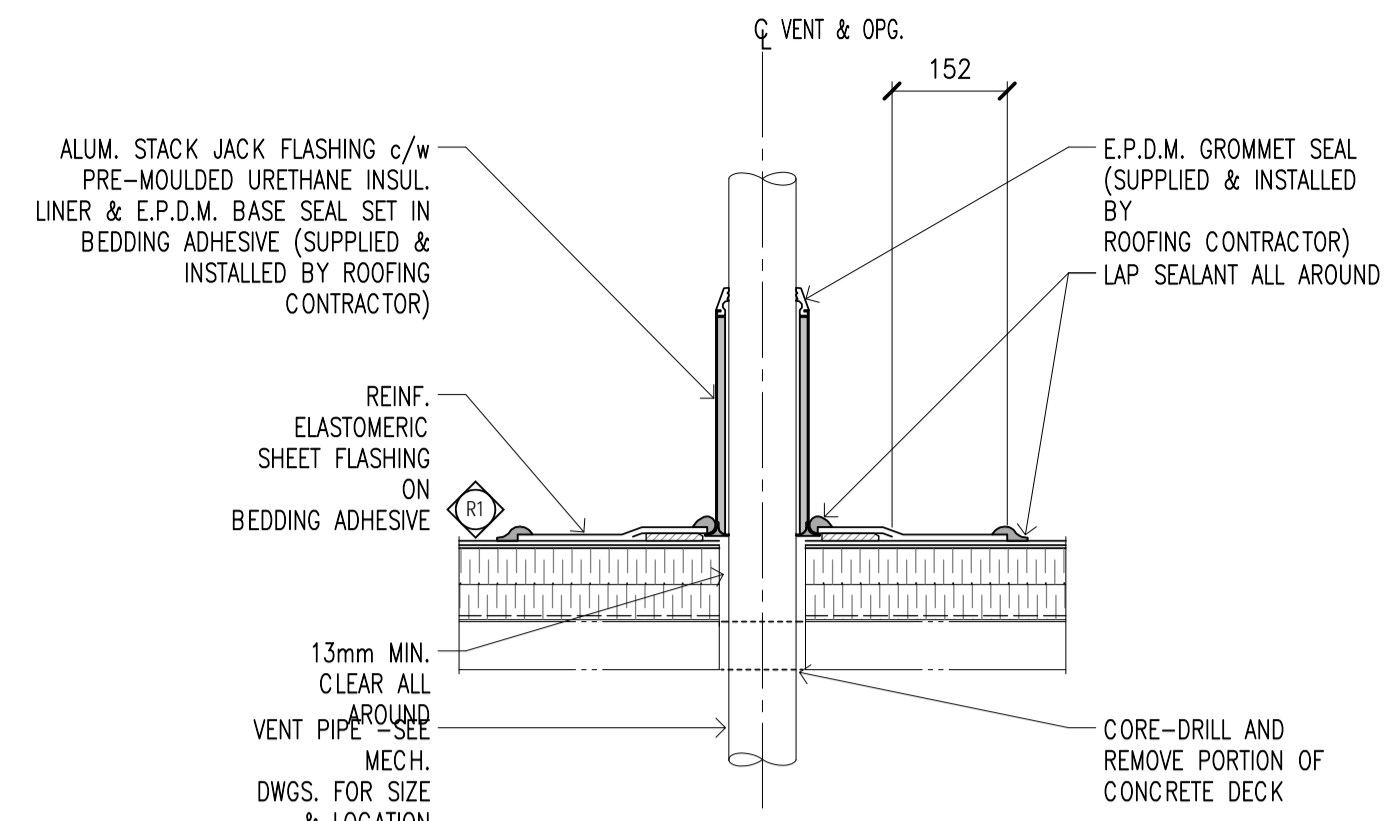
DILLON CONSULTING LIMITED 130 DUFFERIN AVENUE, SUITE 100, LONDON, ONTARIO, N6A 5R2, PHONE (519) 438-6192, FAX (519) 672-8209



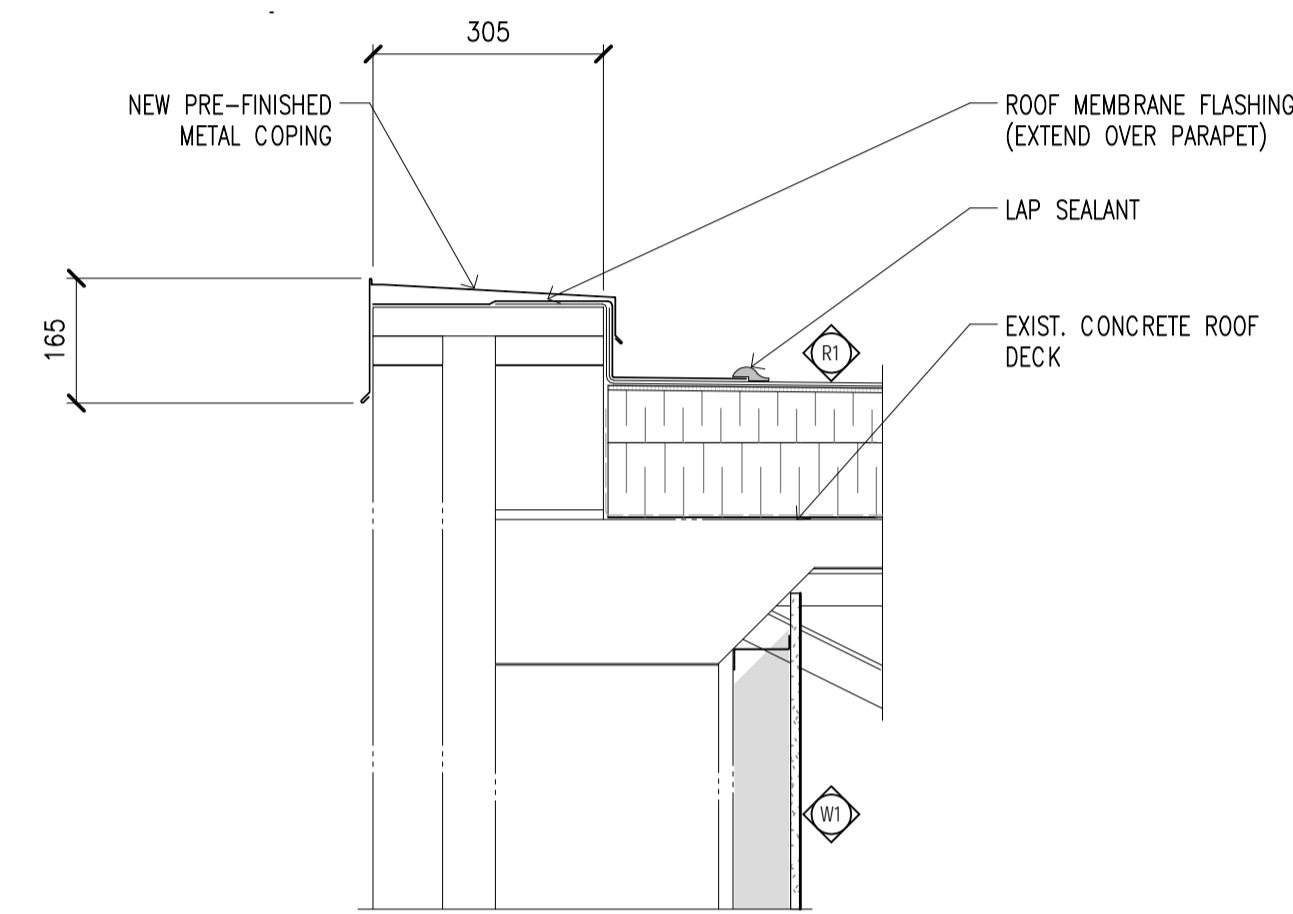
REFLECTED CEILING PLAN
SCALE: 1:100



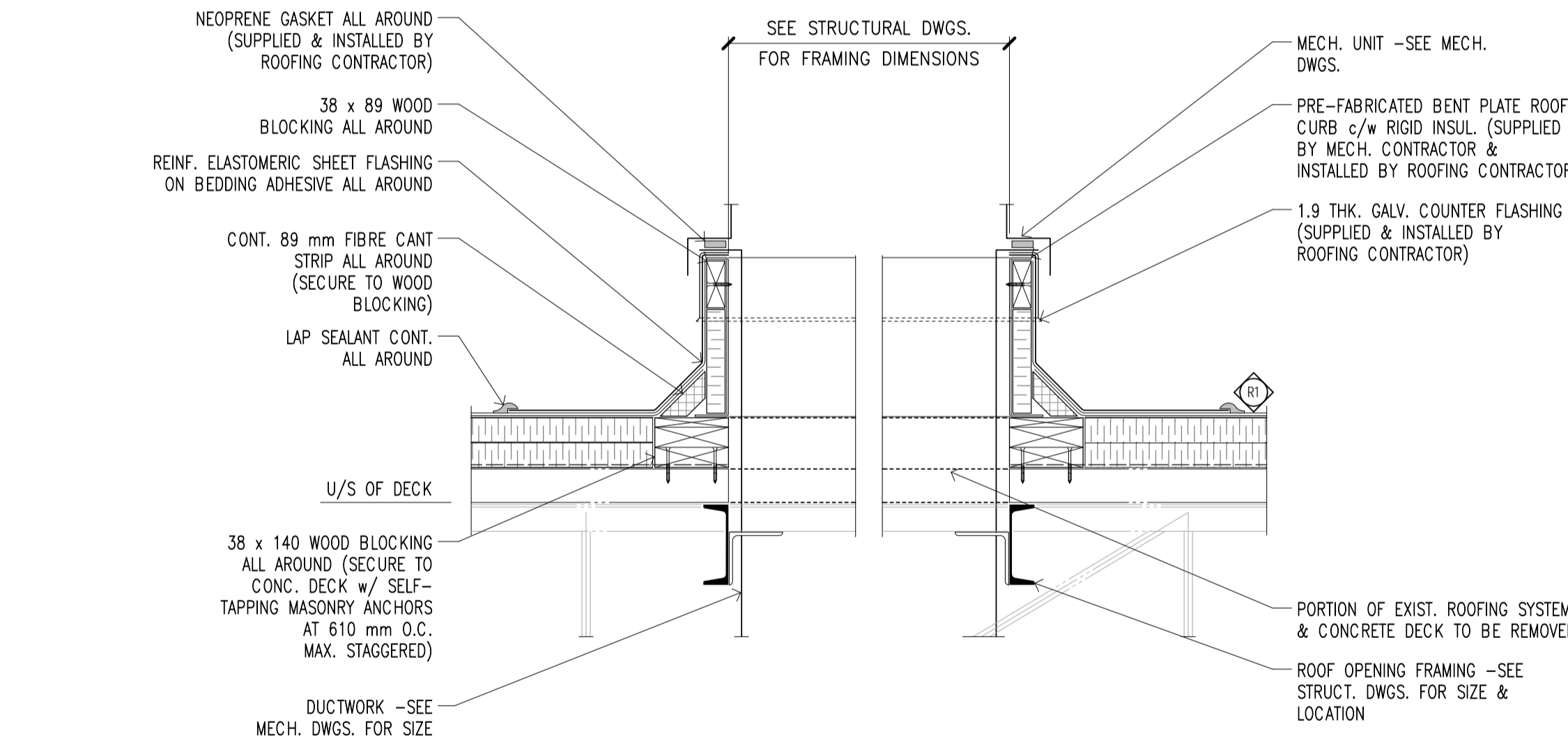
ROOF PLAN
SCALE: 1:100



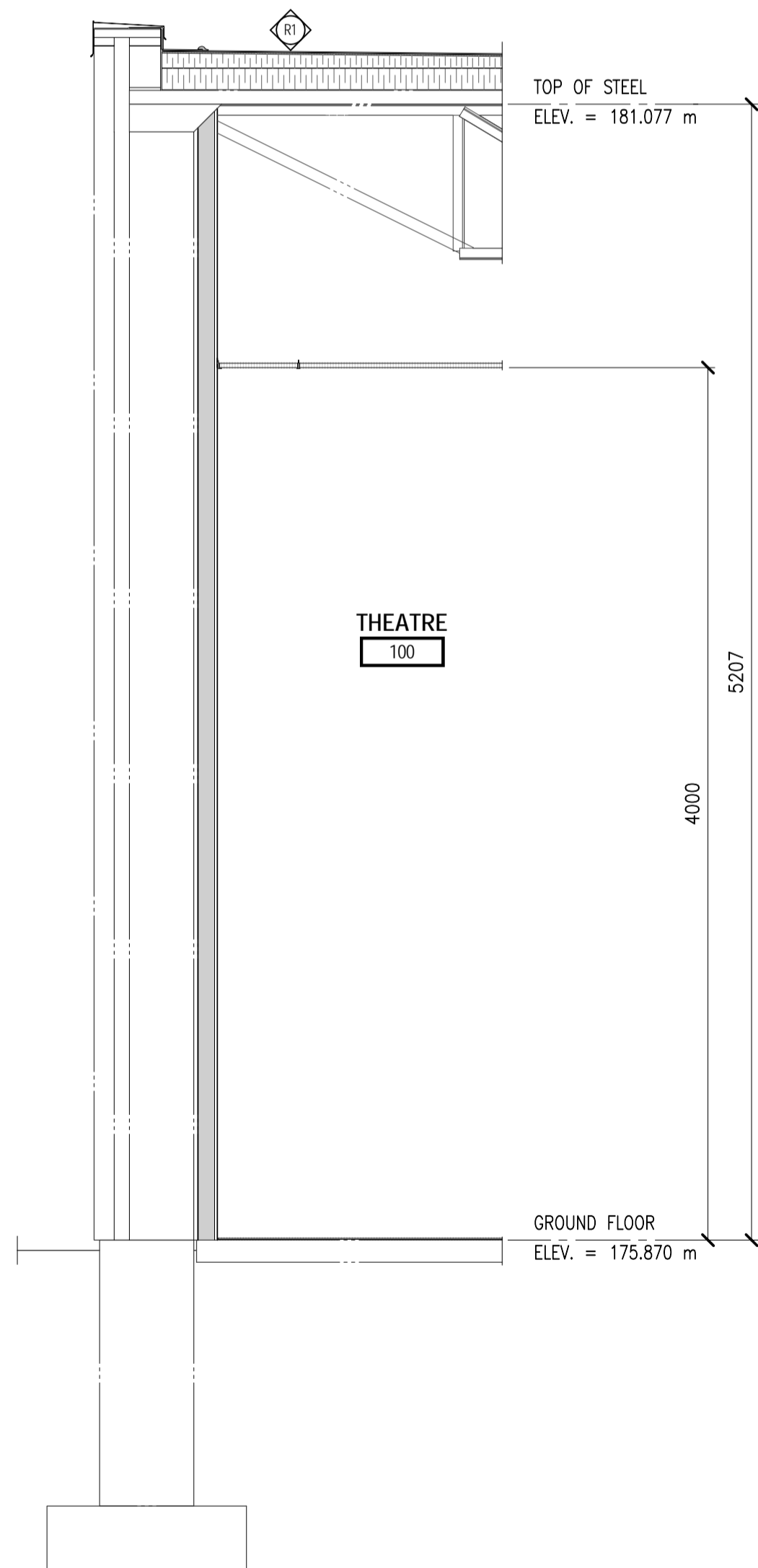
DETAIL - ROOF VENT
SCALE: 1:10



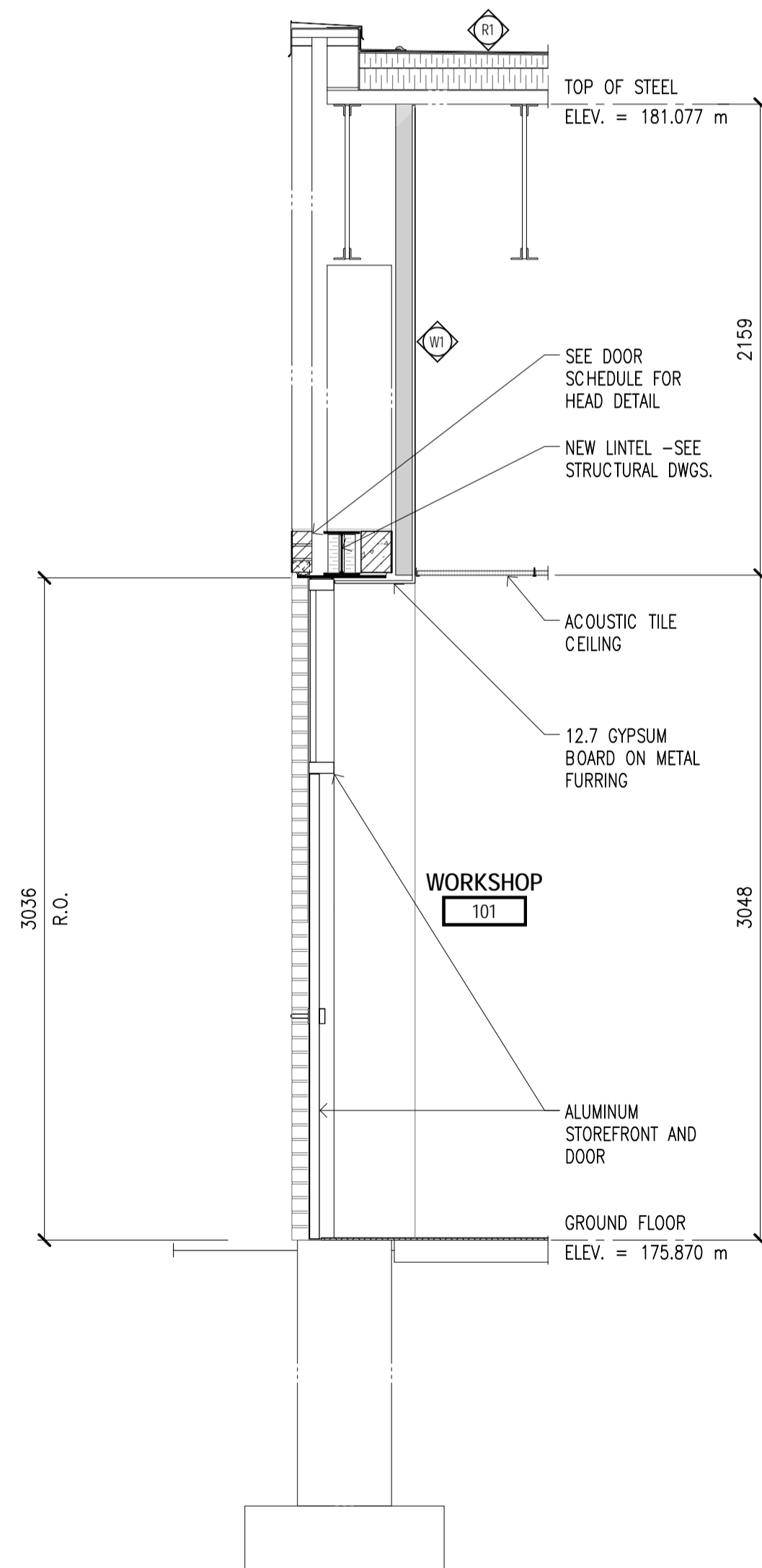
TYPICAL PARAPET DETAIL
SCALE: 1:10



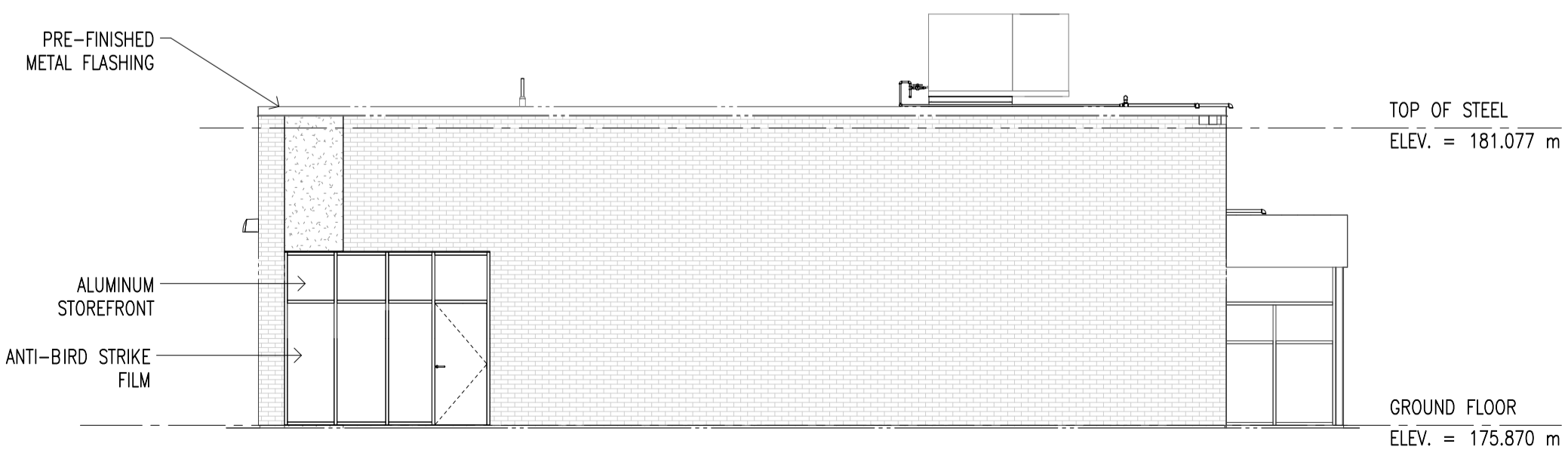
ROOF OPENING DETAIL
SCALE: 1:10



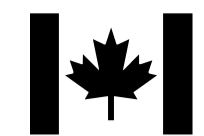
TYPICAL WALL SECTION
SCALE: 1:25



01 WALL SECTION
SCALE: 1:25



WEST ELEVATION
SCALE: 1:100



PARKS CANADA
PARCS CANADA

SOUTHWESTERN ONTARIO
FIELD UNIT

ASSET MANAGEMENT SECTION

DILLON
Building Design Ltd.
Engineers and Architects

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Phone: (519) 438-6192, Fax: (519) 672-8209
E-mail: london@dillon.ca

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revision	ISSUED FOR TENDER	2015-08-26	date
1			

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project title
titre du projet

LEAMINGTON ONTARIO
POINT PEELE NATIONAL PARK
1118 POINT PEELE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
**ARCHITECTURAL
PLANS, SECTIONS AND
DETAILS**

drawn by
dessiné par **MGS**

designed by
conçu par **LDP**

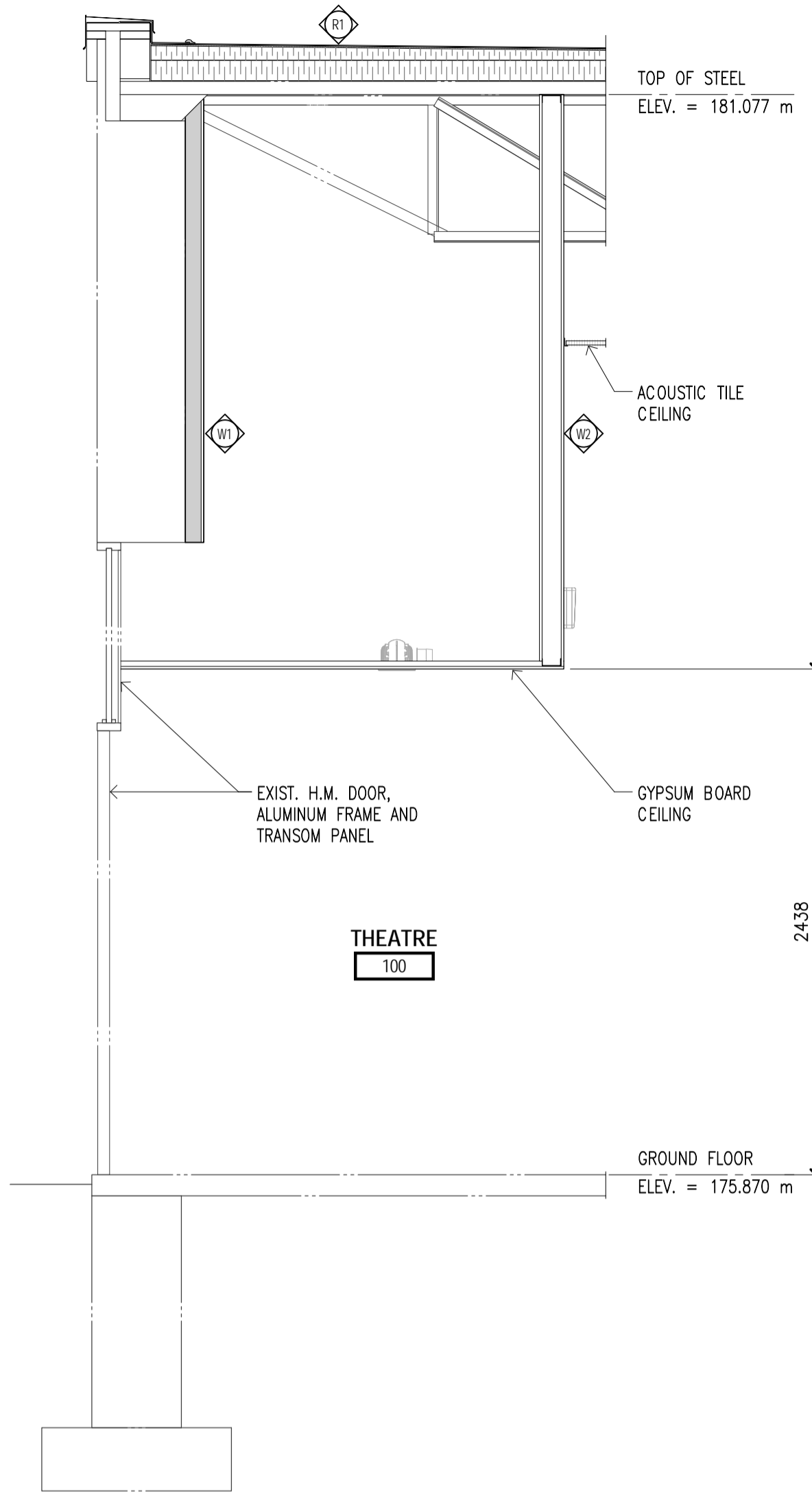
approved by
approuvé par

tender
soumission **MARK MAJOR** project manager
administrateur de projets

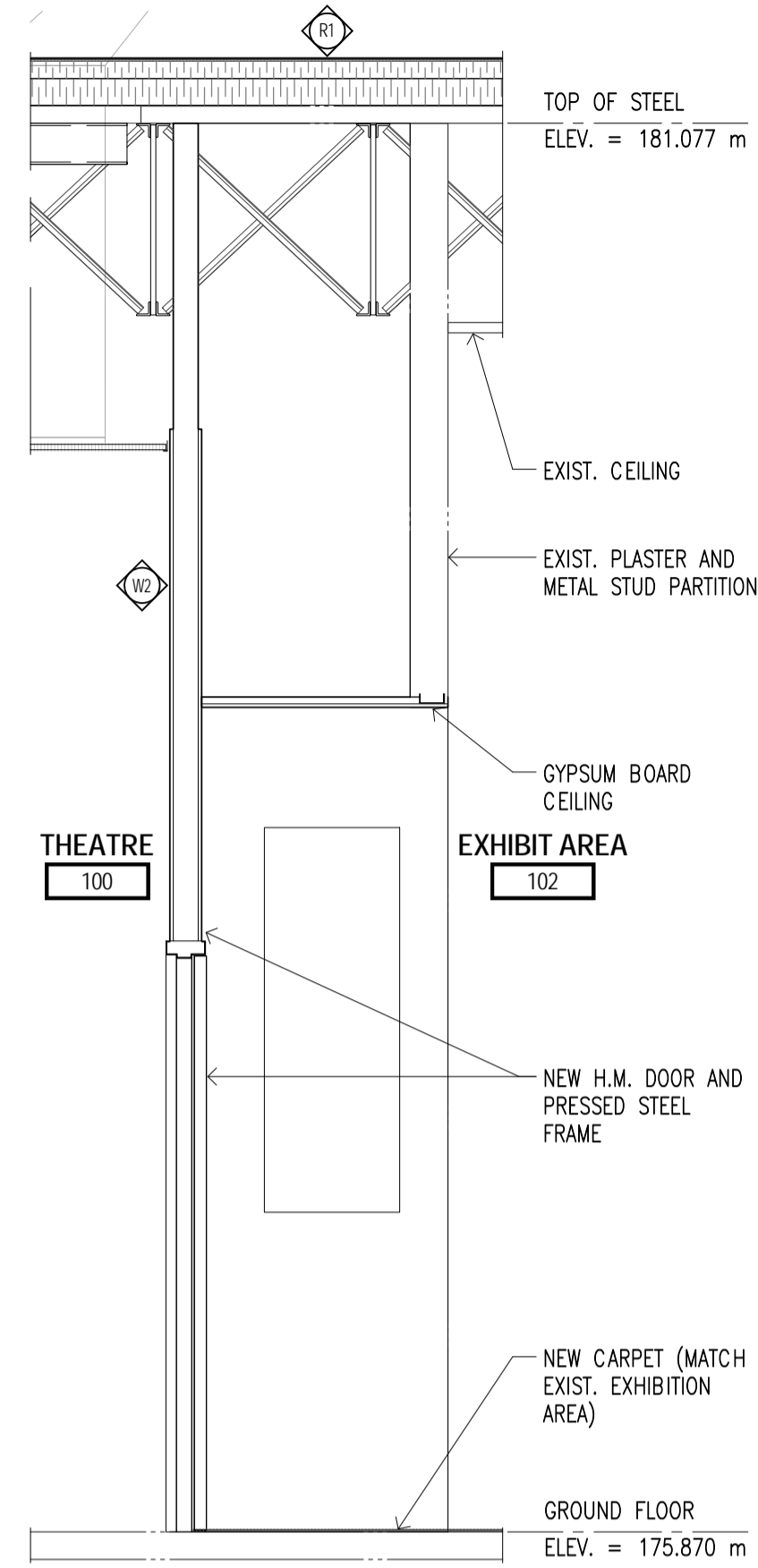
project date
date du projet **2013/11/18**

project no.
no. du projet **138383**

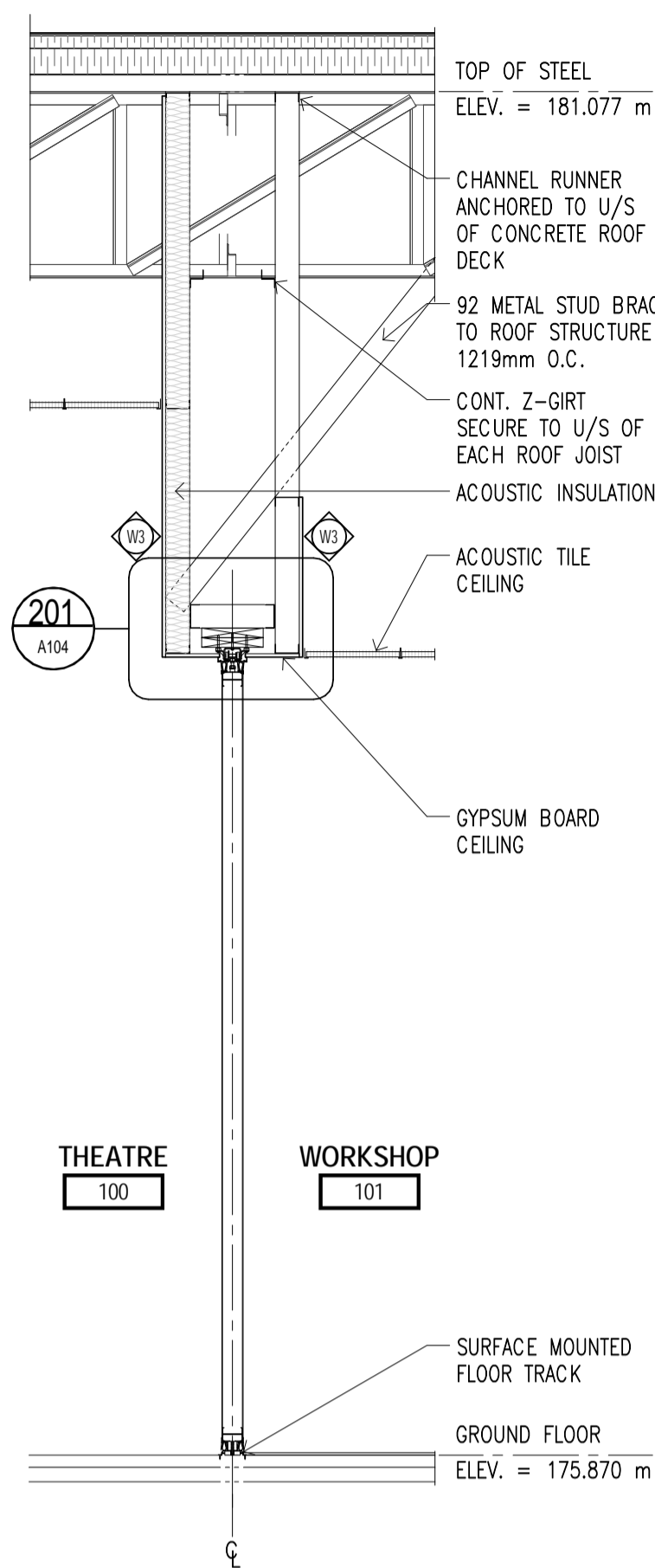
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dessiné no. **A103**



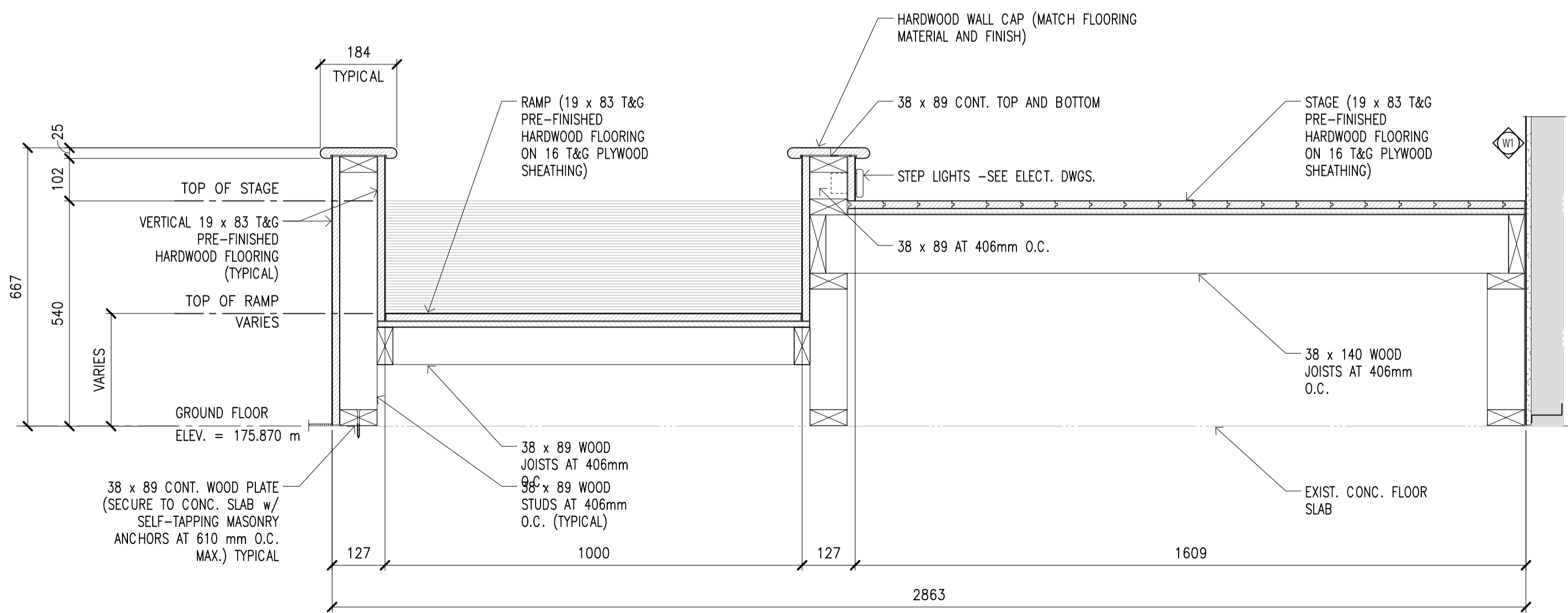
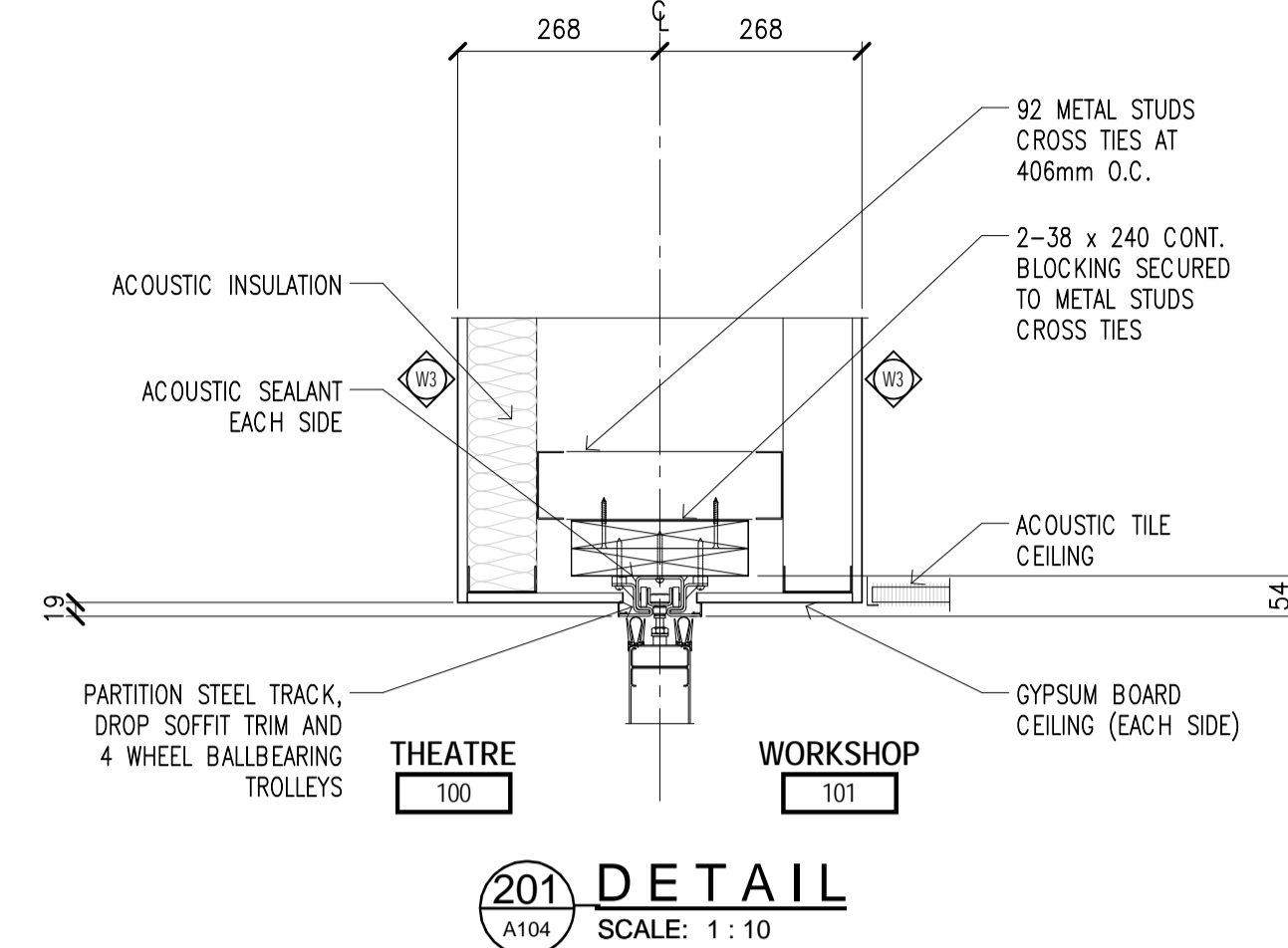
02 WALL SECTION
SCALE: 1:25



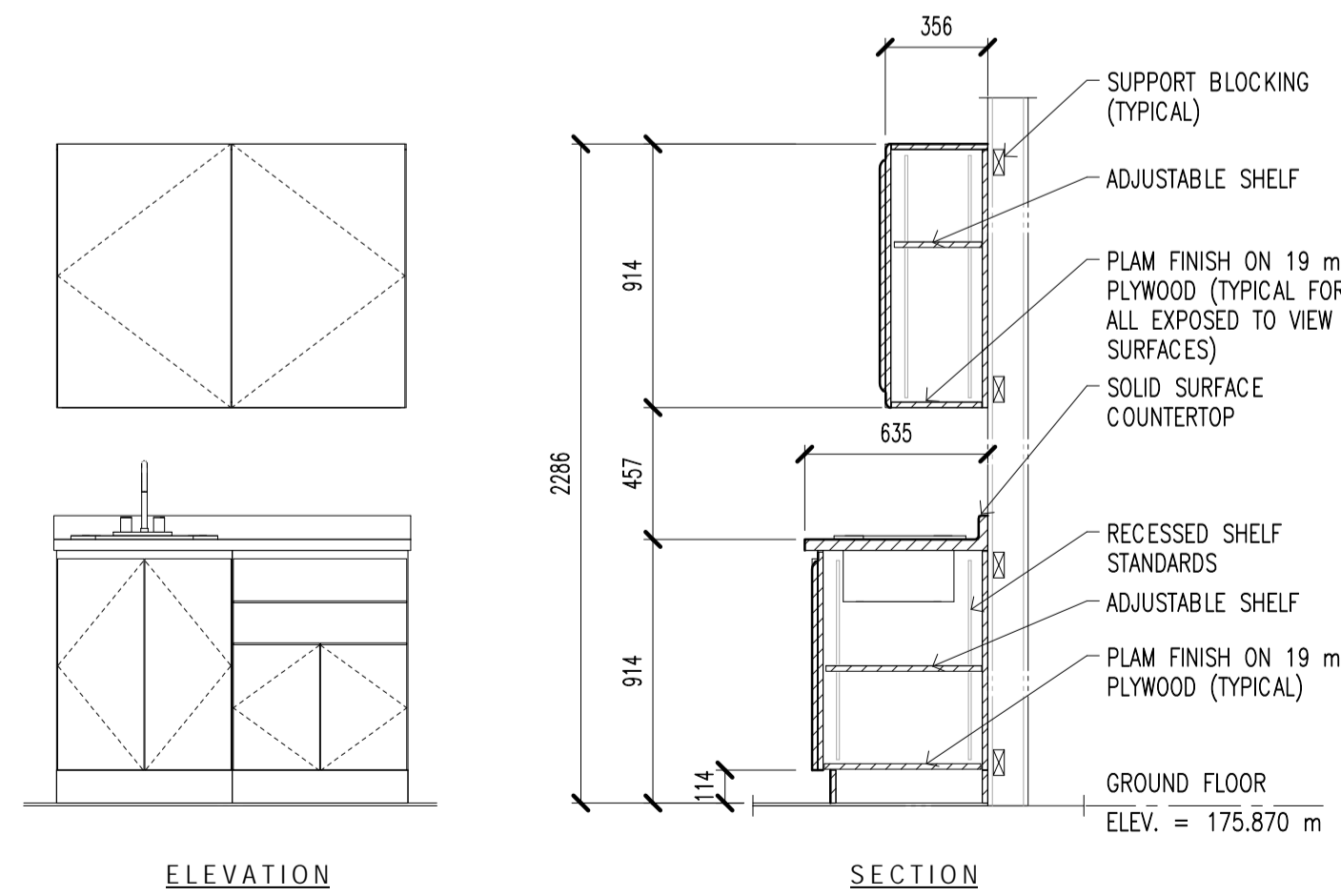
03 SECTION
SCALE: 1:25



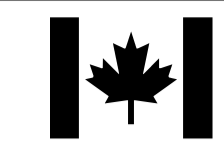
04 SECTION
SCALE: 1:25



200 SECTION - STAGE/RAMP
SCALE: 1:10



WORKSHOP CASEWORK
SCALE: 1:25



PARKS CANADA
PARCS CANADA

SOUTHWESTERN ONTARIO
FIELD UNIT

ASSET MANAGEMENT SECTION

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Engineers and Architects

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C	drawing no. - where detailed

project title
titre du projet
LEAMINGTON ONTARIO
POINT PELEE NATIONAL PARK
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
ARCHITECTURAL SECTIONS AND DETAILS

drawn by
dessiné par **MGS**

designed by
conçu par **LDP**

approved by
approuvé par

tender submission
soumission de projet **MARK MAJOR** project manager
administrateur de projets

project date
date du projet **2013/11/18**

project no.
no. du projet **138383**

drawing no.
dessiné no. **A104**

ROOM FINISH SCHEDULE

ROOM			FLOOR			WALLS								CEILINGS			REMARKS
LEVEL	No.	NAME	MATERIAL	FINISH	BASE	NORTH		SOUTH		EAST		WEST		MATERIAL	FINISH	HEIGHT	
						MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH				
GROUND FLOOR	100	THEATRE	EX. CONCRETE	CARPET	CARPET	GWB	PAINT	GWB	PAINT	EX. PLASTER/ EX. AND NEW GWB	PAINT	GWB	PAINT	ACT	-	4000	
GROUND FLOOR	101	WORKSHOP	EX. CONCRETE	CERAMIC TILE	CERAMIC TILE	GWB	PAINT	GWB	PAINT	EX. PLASTER	PAINT	GWB	PAINT	ACT	-	3048	
GROUND FLOOR	102	EXHIBIT AREA	EX. CONCRETE	EX.	EX.	EX. PLASTER	EX.	EX. PLASTER	EX.	EX. PLASTER	EX.	EX. PLASTER	EX.	EX.	EX.	4000	
GROUND FLOOR	103	MECHANICAL RM.	EX. CONCRETE	EX.	EX.	EX. GWB	EX.	EX. PLASTER	PAINT	EX. PLASTER	PAINT	EX. GWB	PAINT	GWB	PAINT	4000	
GROUND FLOOR	105	CLOSET	EX. CONCRETE	-	-	GWB	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	2438	

ABBREVIATIONS

ACT	ACOUSTIC TILE CEILING	LH	LEFT HAND
EX.	EXISTING	LHR	LEFT HAND REVERSE
GL	GLASS	PT.	PAINT
GWB	GYPSUM WALLBOARD	RH	RIGHT HAND
HM	HOLLOW METAL	RHR	RIGHT HAND REVERSE
HRS.	HOURS	TEMP.	TEMPERED
INSUL.	INSULATED	VCT	VINYL COMPOSITION TILE
LAM.	LAMINATED		

PARKS CANADA
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**SOUTHWESTERN ONTARIO
FIELD UNIT**

ASSET MANAGEMENT SECTION

DILLON
Building Design Ltd.
Engineers and Architects

130 Dufferin Avenue, London, Ontario, N6A 5R2
Phone: (519) 438-6192, Fax: (519) 672-8209
E-mail: london@dillon.ca

DOOR AND FRAME SCHEDULE

DOOR No.	FROM ROOM NAME	FROM ROOM No.	TO ROOM NAME	TO ROOM No.	SWING	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THK.	DOOR MAT.	DOOR FINISH	GLAZING	FRAME TYPE	FRAME MAT.	FRAME FINISH	DETAIL	RATING (HRS.)	REMARKS
100-1	THEATRE	100	EXHIBIT AREA	102	LH	F	1820	2083	44	HM	PAINT	-	F2	HM	PAINT	H2-J2	-	
100-2	THEATRE	100	EXTERIOR	NA	LHR	F	953	2140	57	EX. HM	PAINT	-	-	EX. ALUMINUM	ANODIZED	-	-	
101-1	WORKSHOP	101	EXTERIOR	NA	RHR	SF	914	2134	44	ALUM.	ANODIZED	-	F3	ALUMINUM	ANODIZED	H1-J1	-	
101-2	WORKSHOP	101	EXHIBIT AREA	102	LH	F	1829	2134	44	HM	PAINT	-	F2	HM	PAINT	H2-J2	-	
103-1	MECHANICAL RM.	103	THEATRE	100	RH	F	914	2134	45	HM	PAINT	-	-	EX. HM	PAINT	-	-	
105-1	THEATRE	100	CLOSET	105	F	F	914	2134	45	HM	PAINT	-	F1	HM	PAINT	H2-J2	-	

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1	ISSUED FOR TENDER	2015-08-26
revision		date

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A Detail No.
B drawing no. - where detail required
C drawing no. - where detailed

project title
titre du projet
**LEAMINGTON ONTARIO
POINT PEELE NATIONAL PARK
1118 POINT PEELE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE**

drawing title
titre du dessin
**ARCHITECTURAL
INTERIOR ELEVATIONS AND
SCHEDULES**

drawn by
dessiné par
MGS

designed by
conçu par
LDP

approved by
approuvé par

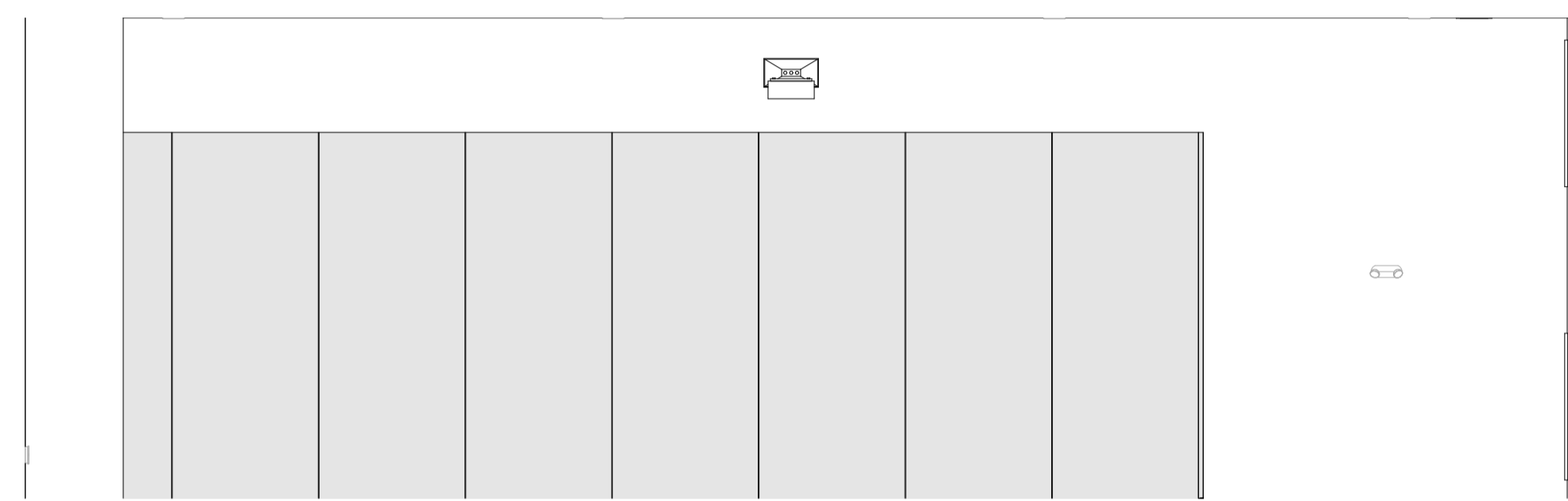
tender
soumission
MARK MAJOR project manager
administrateur de projets

project date
date du projet
2013/11/18

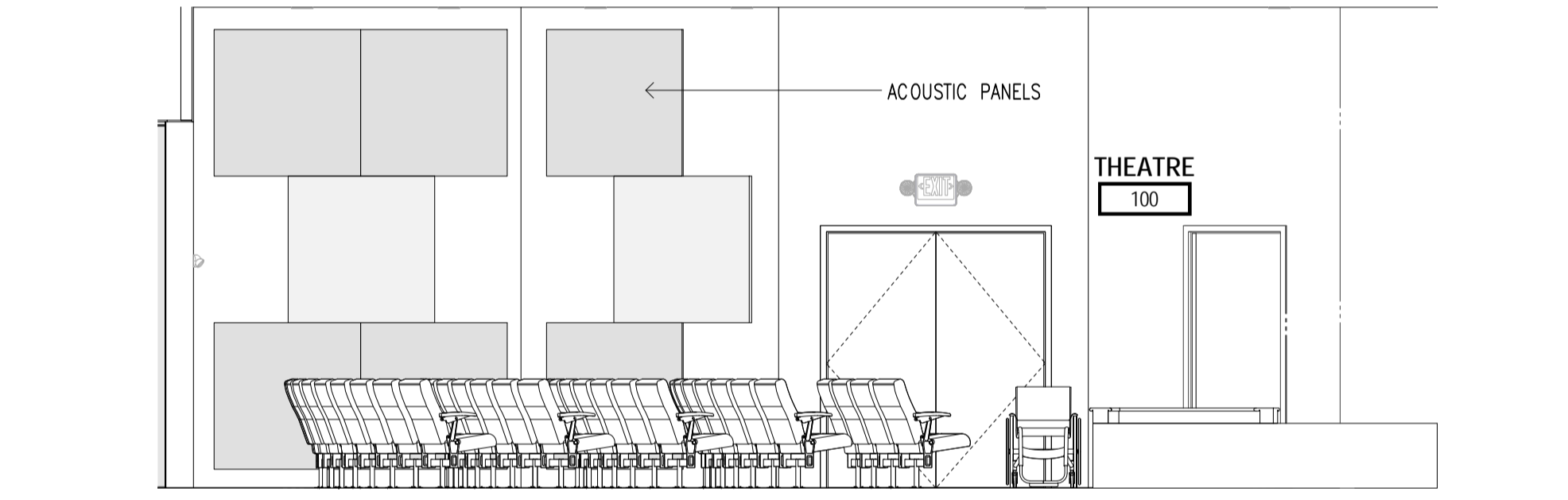
project no.
no. du projet
138383

drawing no.
dessiné no.
A105

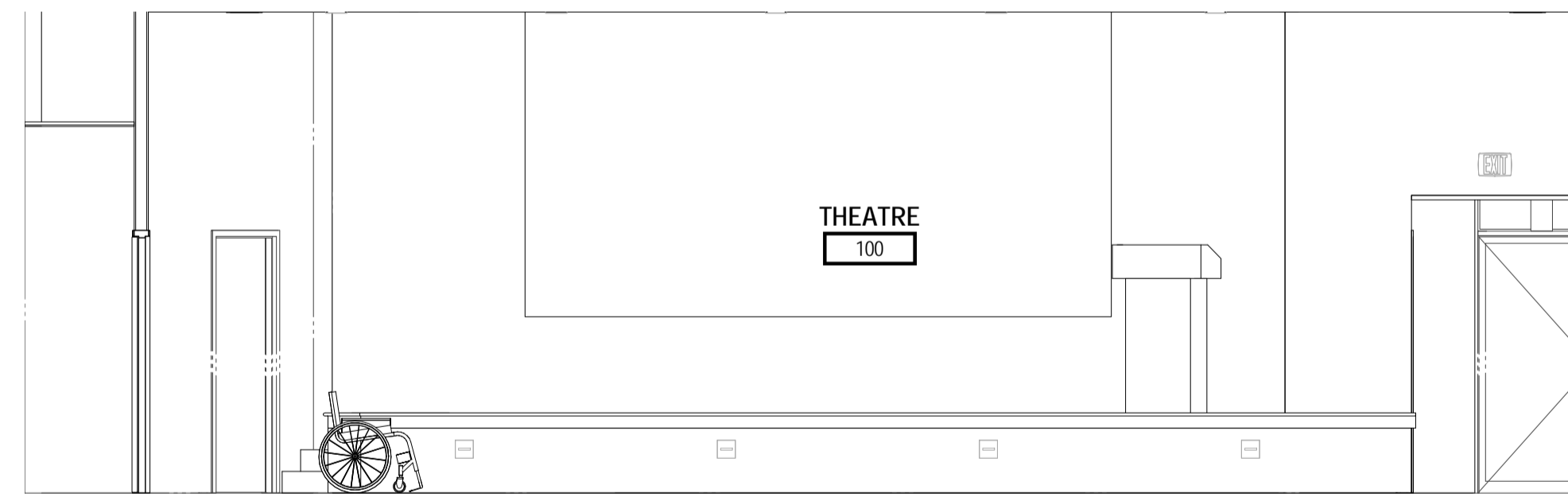
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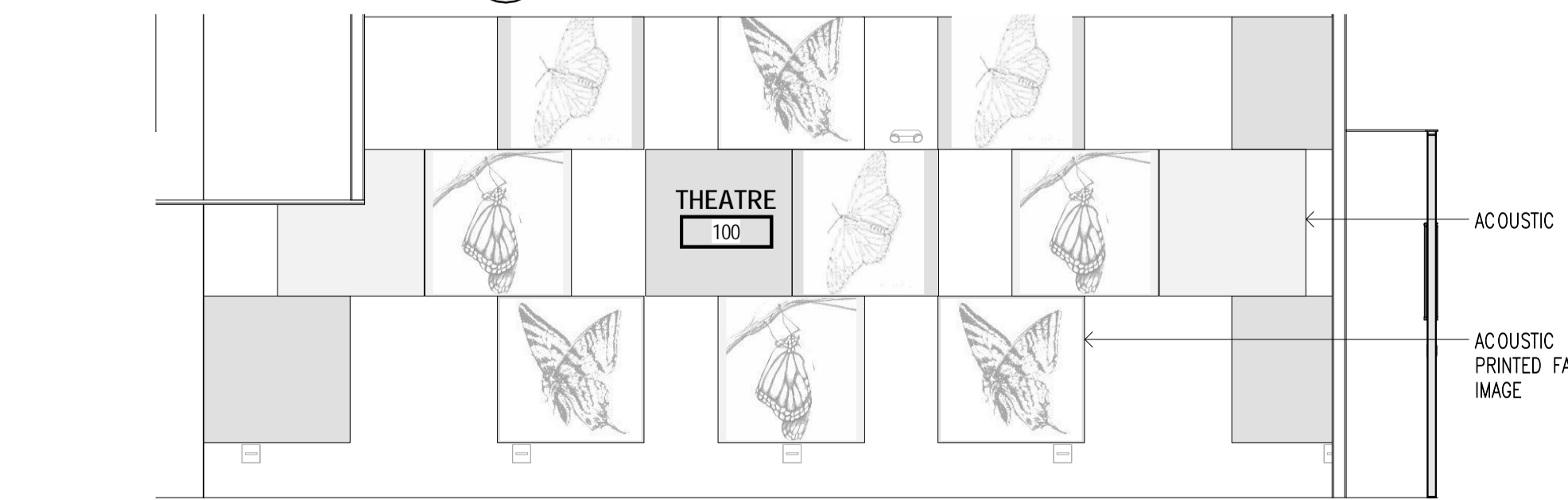
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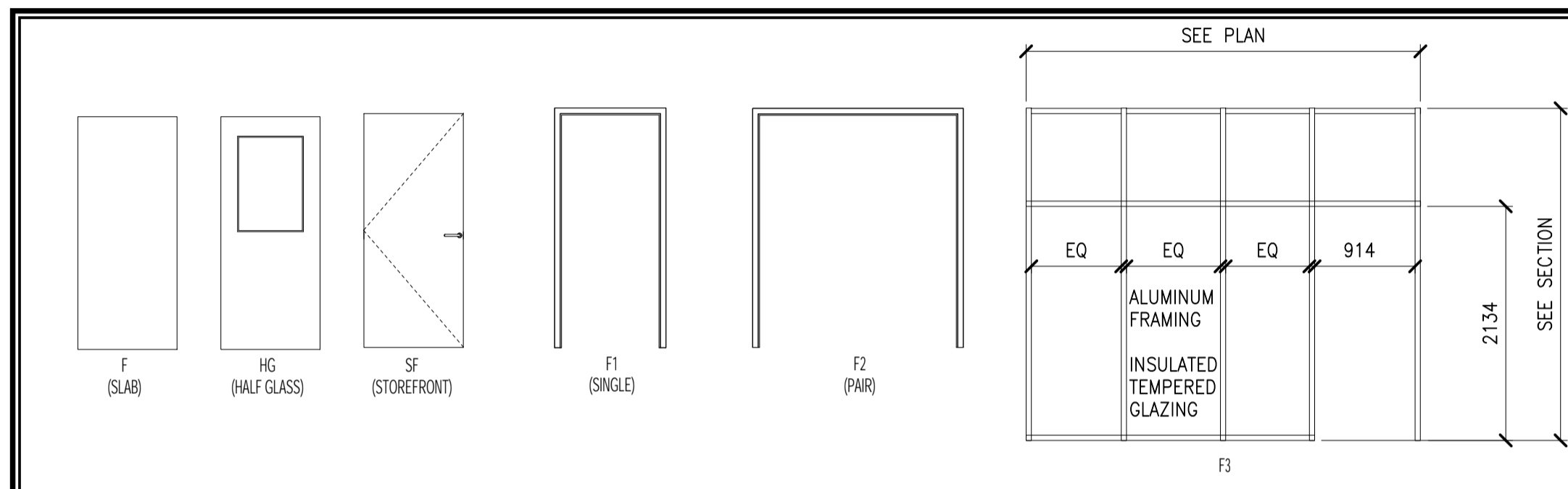
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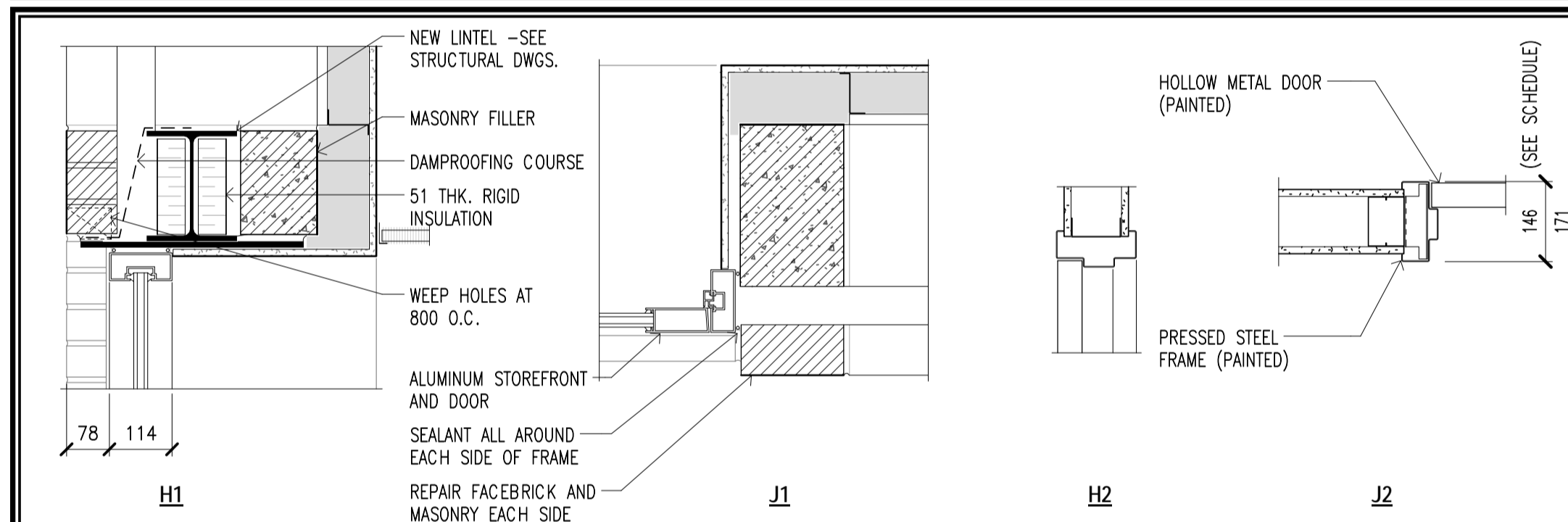
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DOOR ELEVATIONS
SCALE: 1:50

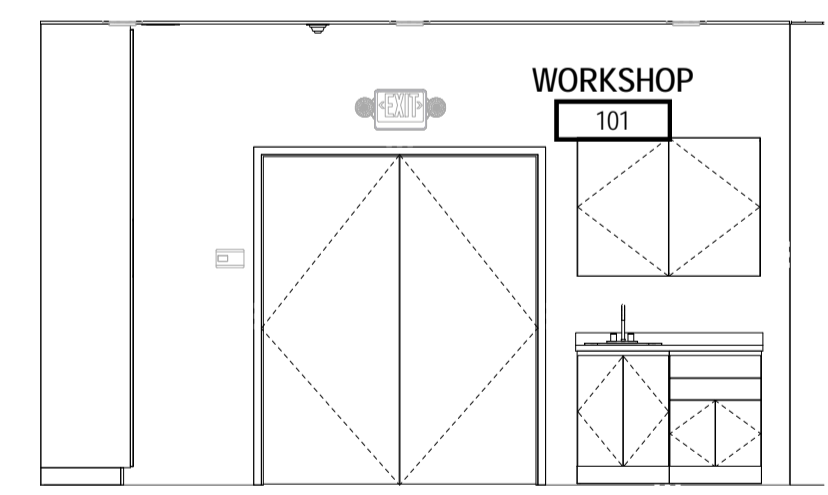


FRAME ELEVATIONS
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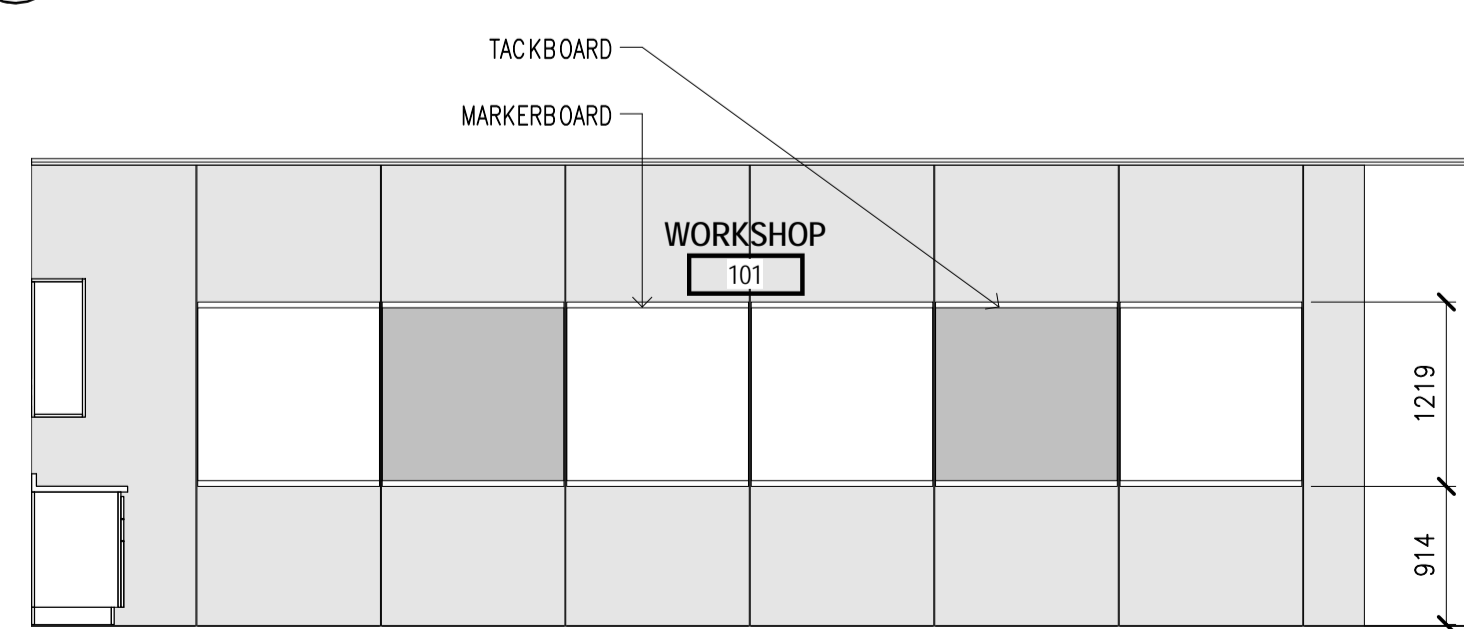


DOOR FRAME HEAD AND JAMB DETAILS
SCALE: 1:10

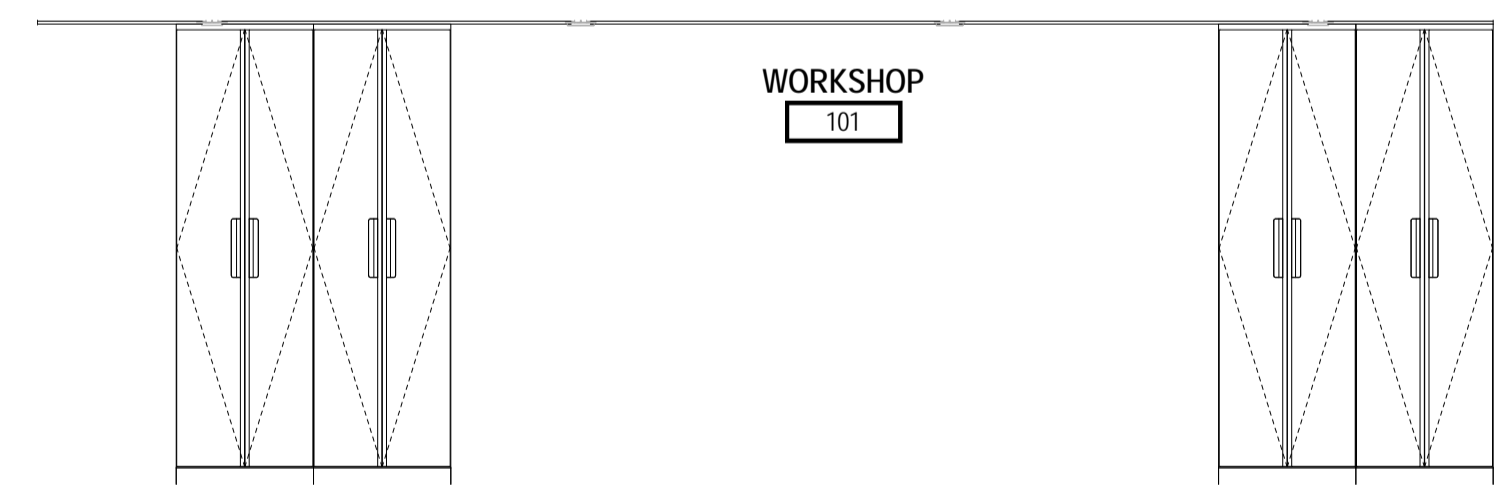
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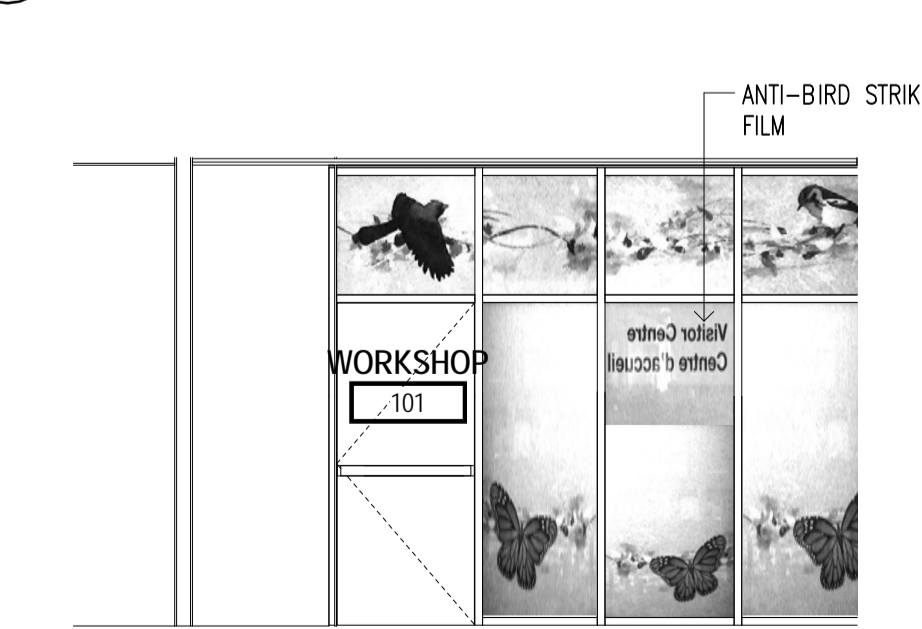
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SCALE: 1:50



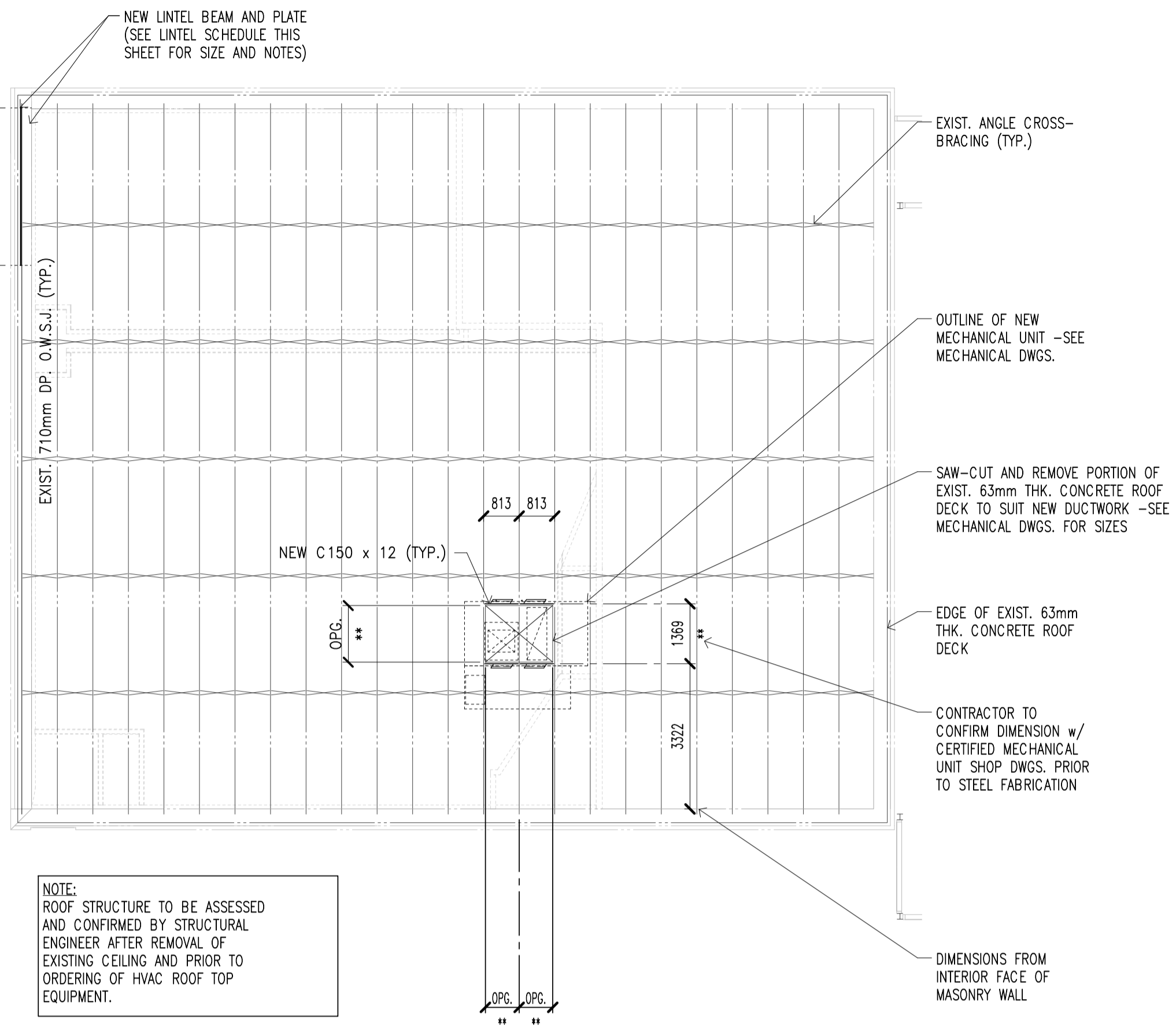
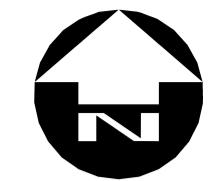
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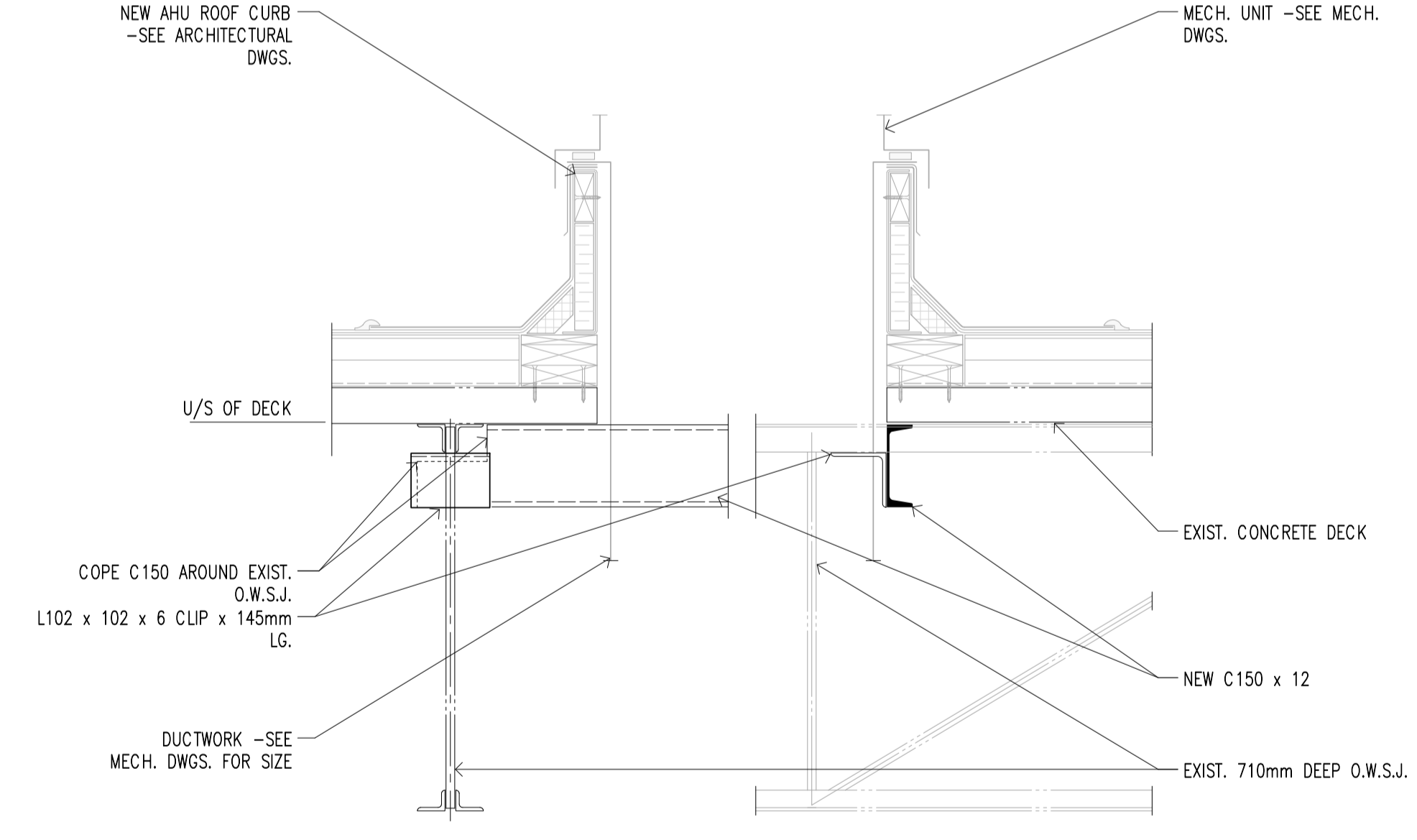
H INTERIOR ELEVATION
SCALE: 1:50



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ROOF FRAMING PLAN
SCALE: 1:100



DETAIL - ROOF OPENING FRAMING
SCALE: 1:10

L O O S E L I N T E L S C H E D U L E			
OPENING WIDTH (mm)	MATERIAL	ARRANGEMENT	NOTES
0 - 1200	L89 x 89 x 7.9 HOT DIPPED GALV.	90 EXTERIOR WYTHE	- THIS SCHEDULE IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS - A SUITABLE LINTEL IS TO BE SUPPLIED FOR ALL OPENINGS
1200 - 2400	L127 x 89 x 9.5 LLV HOT DIPPED GALV.	90 EXTERIOR WYTHE	- THIS SCHEDULE IS TO BE USED AS A GUIDE WITH REGARD TO WALL SIZE AND OPENING WIDTH FOR ANY LINTELS NOT SPECIFICALLY NOTED
2400 - 4900	L152 x 89 x 9.5 LLV HOT DIPPED GALV.	90 EXTERIOR WYTHE	- PROVIDE A MINIMUM END BEARING OF 200mm EACH END ON 2 COURSES OF SOLID FILLED BLOCK
0 - 1200	2 - L127 x 89 x 9.5 LLV	240 INTERIOR WYTHE	- 10mm PLATE WELDED TO UNDERSIDE OF LINTELS (INCLUDING EXTERIOR WYTHE ANGLE) WITH 5mm CONTINUOUS FILLET WELDS EACH SIDE OF BOTTOM FLANGE. CENTER PLATE ON CENTERLINE OF WALL
1200 - 3600	HOT DIPPED GALVANIZED W200 x 36 + 290 x 10 THK. PLATE	300 EXTERIOR WYTHE	- BACK TO BACK ANGLE LINTELS TO BE WELDED TOGETHER



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revision	description	date
1	ISSUED FOR TENDER	2015-08-26

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project title
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LEAMINGTON ONTARIO
POINT PEELE NATIONAL PARK
1118 POINT PEELE DR.
LEAMINGTON, NBH 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
STRUCTURAL
ROOF FRAMING PLAN AND
DETAILS

drawn by
dessiné par
MGS

designed by
conçue par
GM

approved by
approuvée par

tender
soumission
MARK MAJOR

project manager
administrateur
de projets

project date
date du projet
2013/11/18

project no.
no. du projet
138383

drawing no.
dessiné no.
S100

NOTES

GENERAL:

- THE NATIONAL BUILDING CODE OF CANADA (LATEST EDITION) AND THE REQUIREMENTS REGARDING SAFETY AS OUTLINED UNDER THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS SHALL BE THE BASIS OF ALL WORK.
- ARRANGE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR NEW WORK. SUBMIT ALL DRAWINGS AND DOCUMENTS FOR OFFICIAL APPROVAL AS MAY BE REQUIRED BY PROVINCIAL, MUNICIPAL OR FIRE UNDERWRITING AUTHORITIES. COPIES OF DRAWINGS MAY BE OBTAINED FROM THE CONSULTANT UPON REQUEST FOR SUBMISSION WITH APPLICATION FOR PERMITS OR OFFICIAL APPROVALS.
- FIELD CHECK AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO EXECUTION OF WORK AND REPORT ANY DISCREPANCIES TO THE CONSULTANT.
- SAFEGUARD AND PROTECT ALL EXISTING STRUCTURES, SERVICES AND UTILITIES WHICH MAY BE AFFECTED BY THE WORK OF THIS CONTRACT.

MATERIALS:

GENERAL:

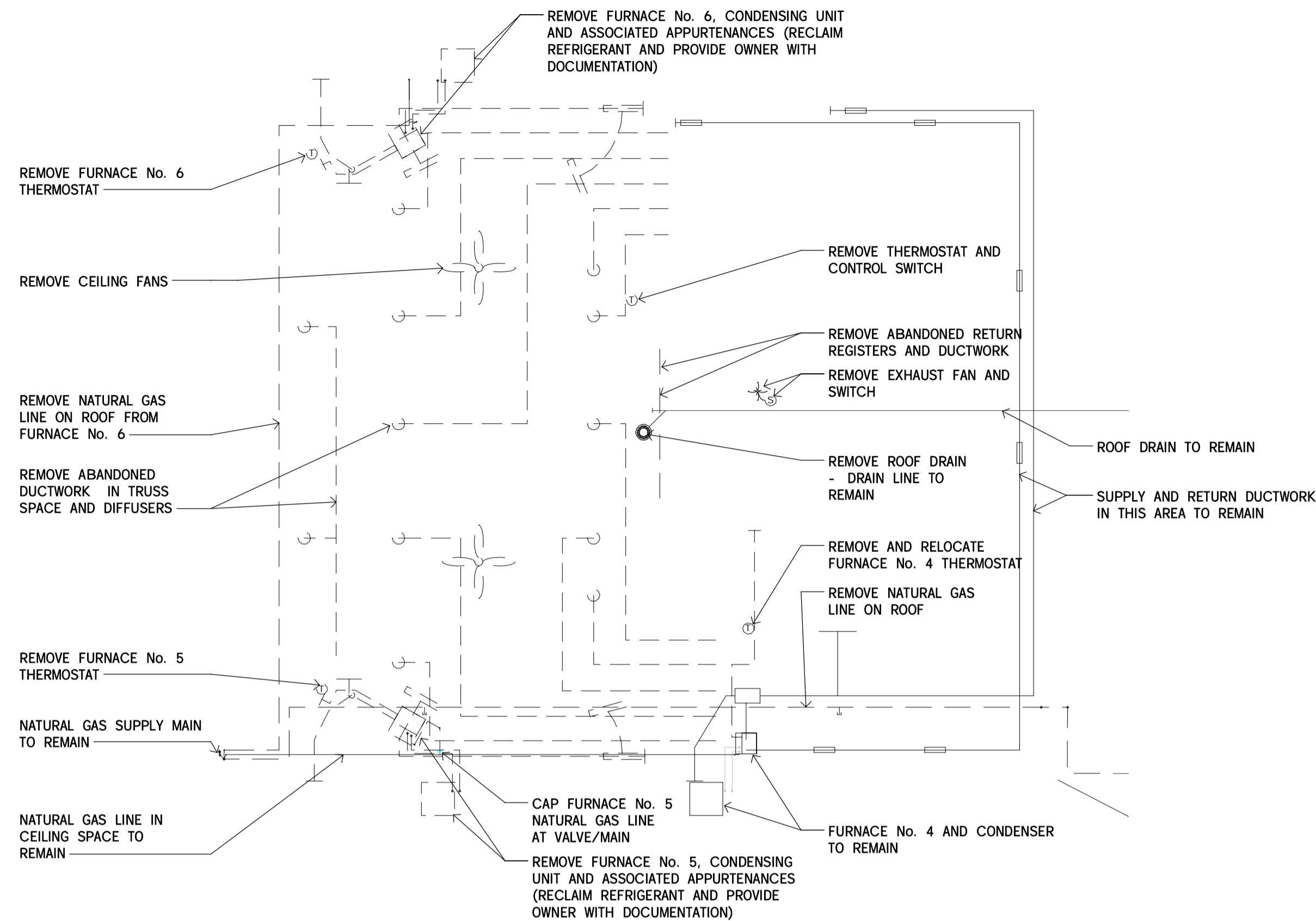
- ANCHORS (INTO CONCRETE): UNLESS NOTED OTHERWISE TO BE STAINLESS STEEL "RE500" WITH "HIT HY MAX ADHESIVE" ALL BY HILTI. MINIMUM ANCHOR DIAMETER = 19mm UNLESS NOTED OTHERWISE. MINIMUM ANCHOR EMBEDMENT = 175mm UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL:

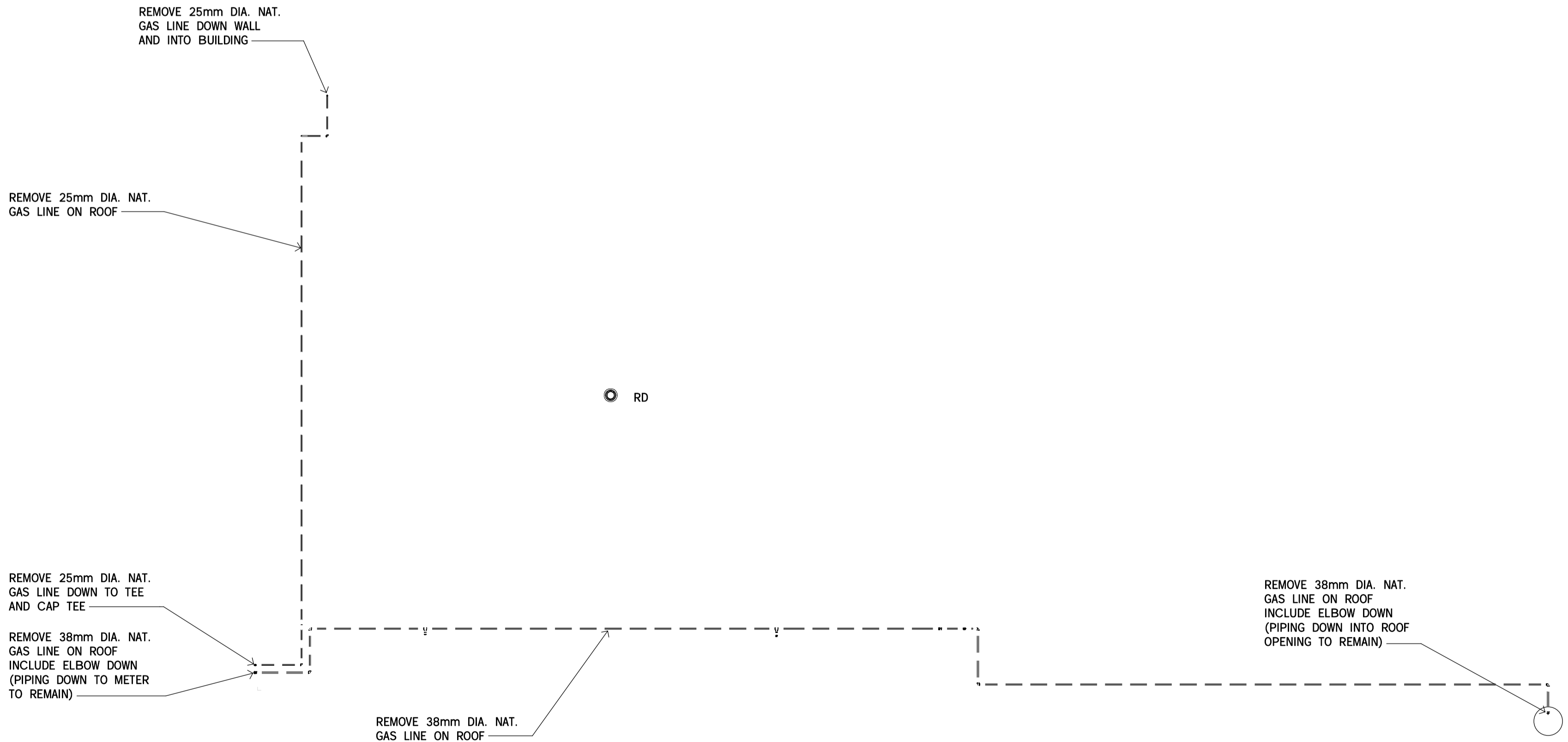
- STRUCTURAL STEEL SHAPES: TO CSA G40.20/G40.21-04, 350W.
- STRUCTURAL STEEL PLATES: TO CSA G40.21-04 GRADE 300W (MINIMUM).
- HIGH TENSILE BOLTS, NUTS AND WASHERS TO ASTM A325-00.
- WELDING ELECTRODES: TO BE "BASIC" LOW HYDROGEN TYPE TO CSA W48 SERIES, COMPATIBLE WITH STEEL TO BE WELDED.
- METAL DECK: TO BE WELDED TO FRAME IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONNECT EXISTING DECK PANELS TO NEW SUPPORT BEAMS WITH 20mm PUDDLE WELDS AT EVERY SECOND FLUTE OR 300mm O.C. WELDS AND ADJACENT SURFACES TO BE REFINISHED WITH ZINC RICH PAINT.
- ALL NON-GALVANIZED STRUCTURAL STEEL SHALL HAVE A PRIME COAT OF GREY RUST INHIBITIVE METAL PAINT C.G.S.B. 1-GP-40-M-1979.

CONSTRUCTION: (STRUCTURAL STEEL)

- ALL FABRICATION AND WELDING SHALL CONFORM TO CSA W59-03 (R2008) AND BE PERFORMED BY A COMPANY CERTIFIED BY AND WELDERS QUALIFIED IN ACCORDANCE WITH CSA W47.1-09 FOR DIVISION 1 OR DIVISION 2.1.
- ALL CONNECTIONS (INCLUDING FIELD FABRICATED), BASE AND ANCHOR DETAILS SHALL BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER IN REGISTERED IN THE PROVINCE OF ONTARIO.
- FILLET WELDS SHALL NOT BE LESS THAN 5 mm.
- HOT DIP GALVANIZING SHALL BE PERFORMED AFTER FABRICATION.
- PLUG RELIEF VENTS AIRTIGHT PRIOR TO GALVANIZING, REMOVE PLUGS, REAM HOLES TO PROPER SIZE AND RE-TAP THREADS AFTER GALVANIZING.
- DO NOT PAINT SURFACES AT AREAS OF CONNECTIONS ETC. WHICH ARE TO BE FIELD PAINTED AFTER TORQUE AND WELD CONNECTION APPROVALS. DO NOT PAINT SURFACES IN CONTACT WITH CONCRETE. DO NOT PAINT HOT DIPPED GALVANIZED STEEL SURFACES.



FLOOR PLAN - DEMOLITION
SCALE: 1 : 100



PART ROOF PLAN - DEMOLITION
SCALE: 1 : 100

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project title
titre du projet
LEAMINGTON ONTARIO
PARKS CANADA
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
**MECHANICAL
FLOOR AND ROOF PLANS
DEMOLITION**

drawn by
dessiné par **TKD**

designed by
conçu par **CWW**

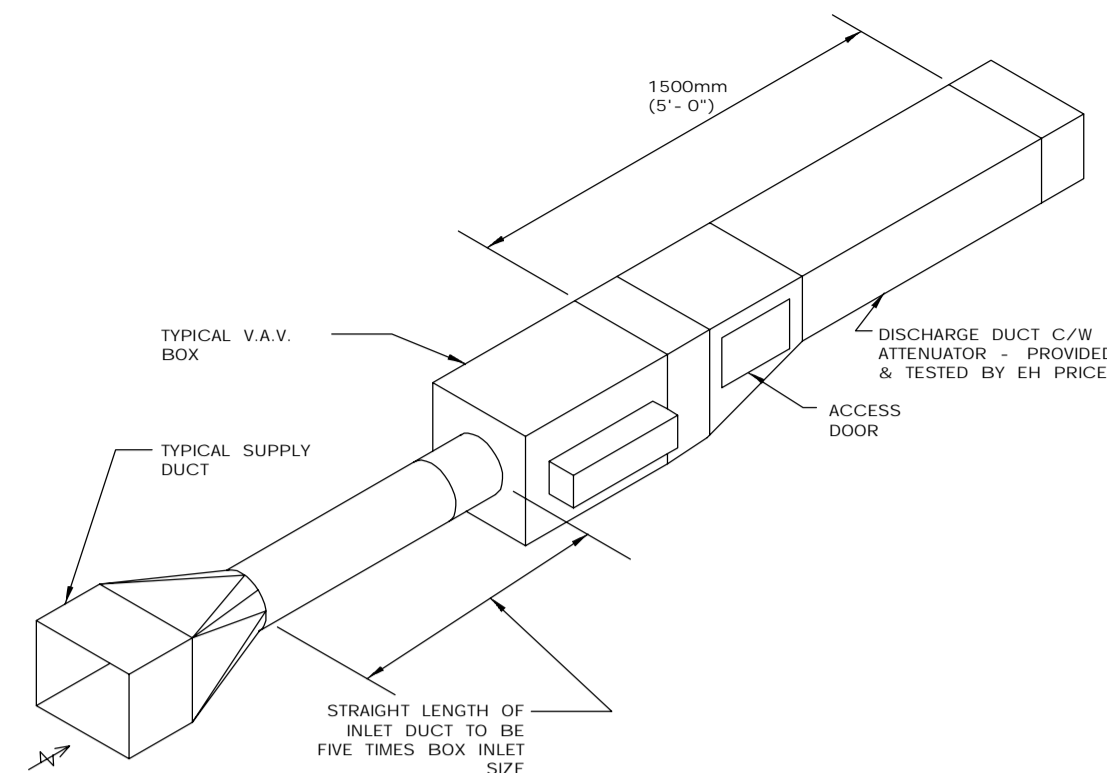
approved by
approuvé par **LDP**

tender submission
soumission **MARK MAJOR** project manager
administrateur de projets

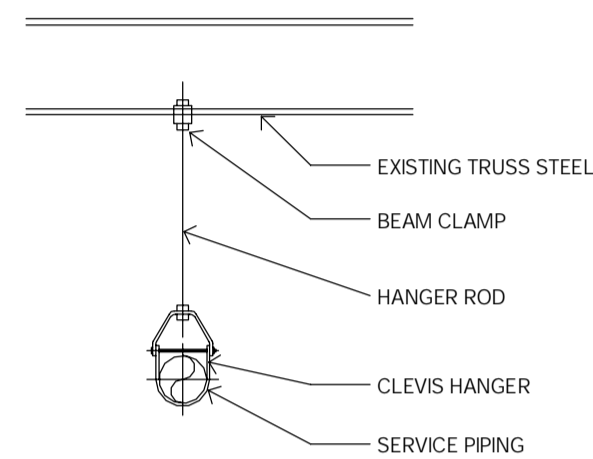
project date
date du projet **2014/02/21**

project no.
no. du projet **138383**

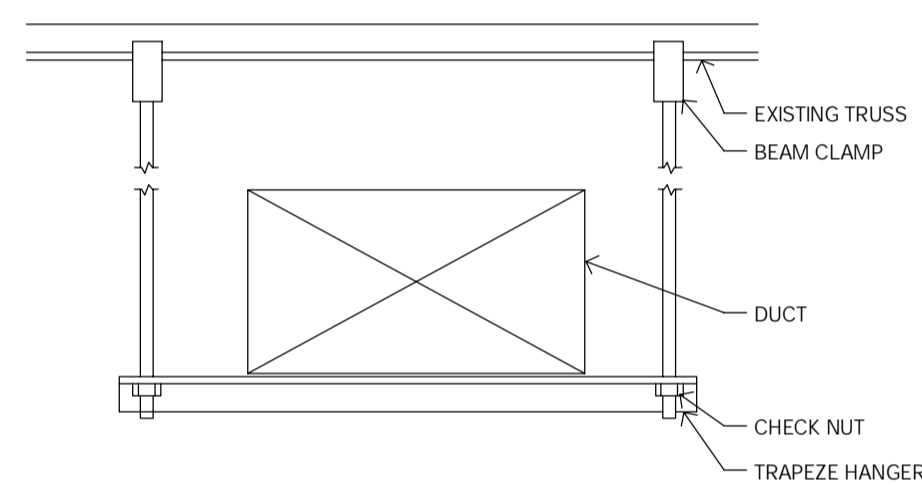
drawing no.
dessiné no. **M100**



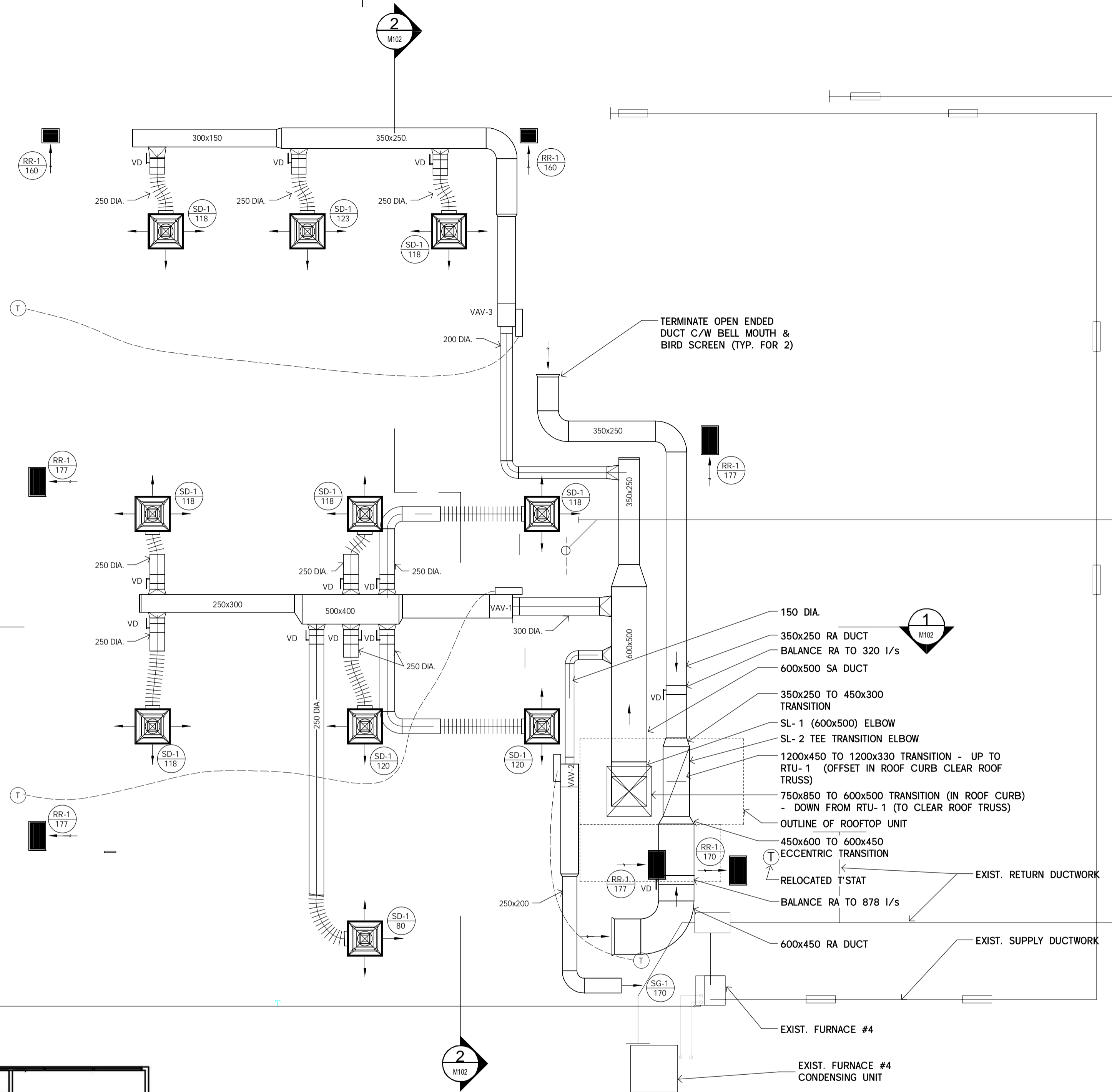
DETAIL-VAV TERMINAL



DETAIL-PIPE HANGER

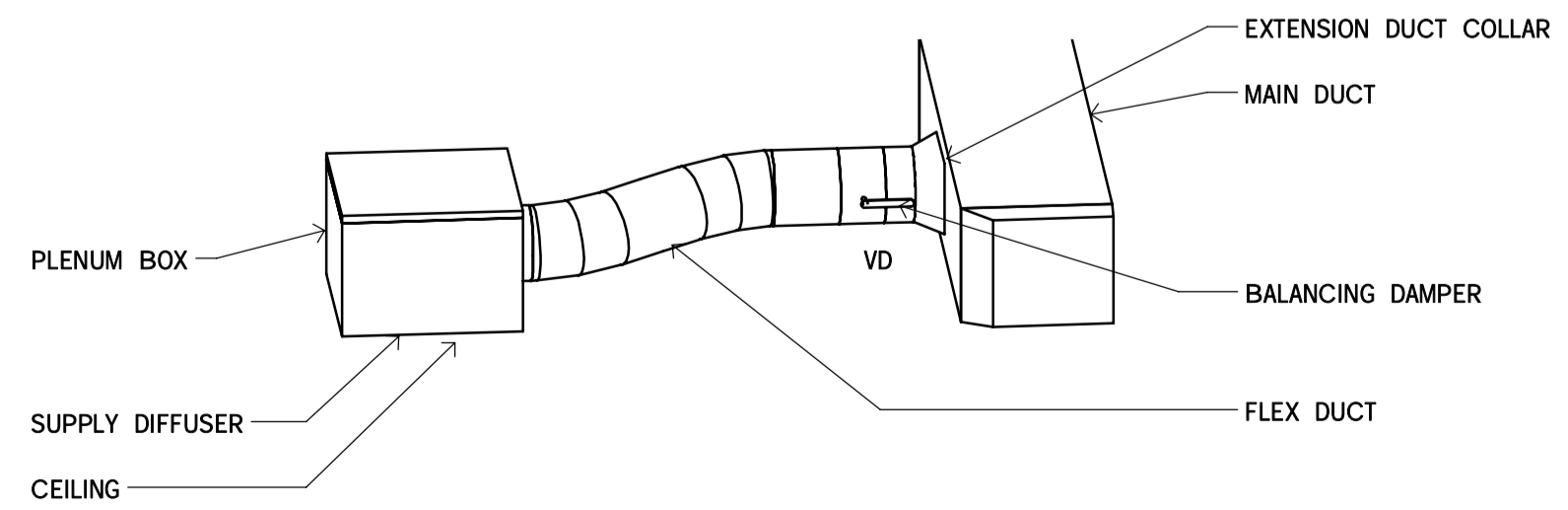


DETAIL-DUCT HANGER

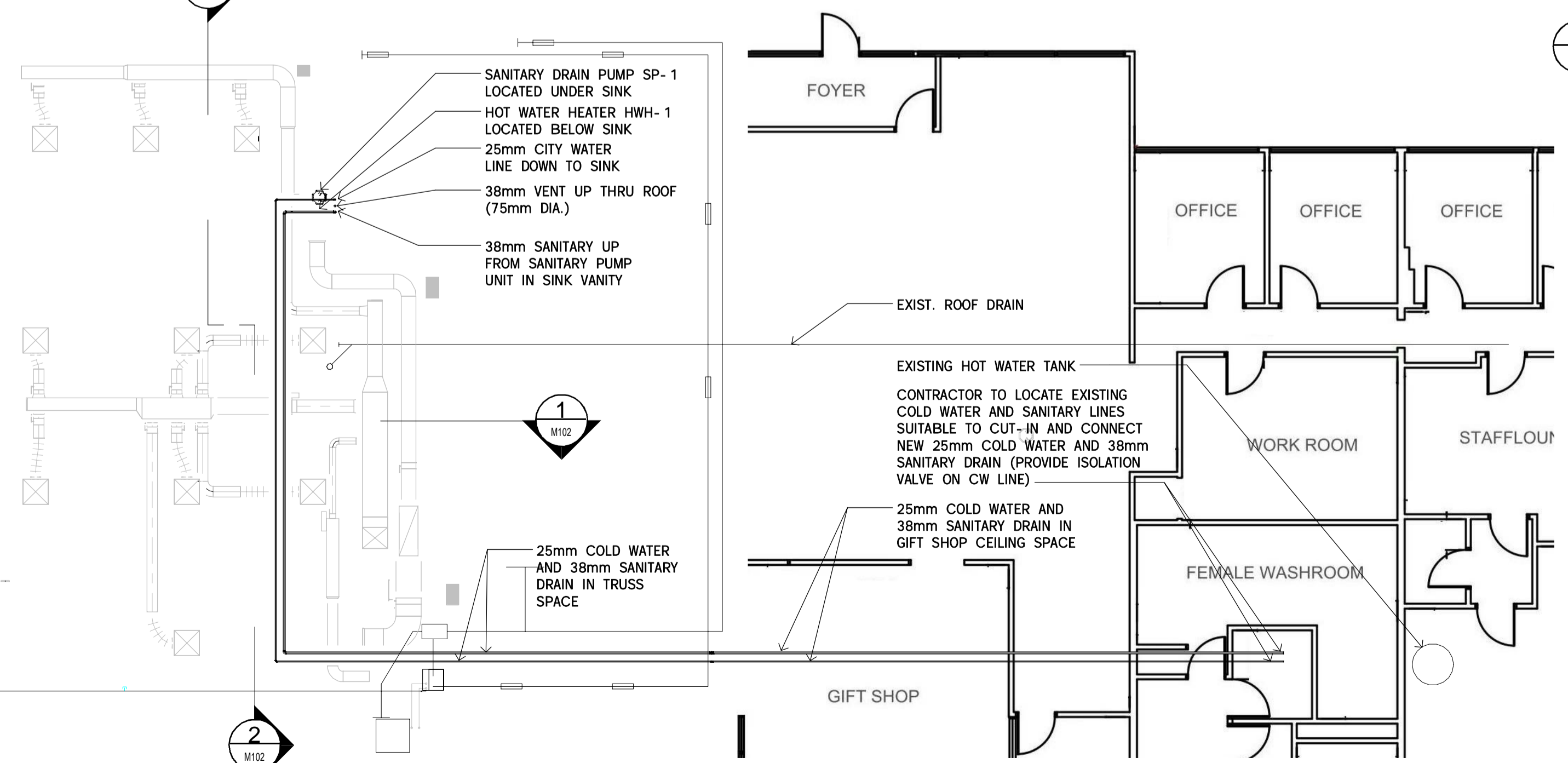


FLOOR PLAN - HVAC
SCALE: 1:50

NOTE:
CONTRACTOR TO INSTALL ALL MECHANICAL DUCTWORK AS HIGH AS POSSIBLE - BETWEEN ROOF JOIST WHERE POSSIBLE



DETAIL - FLEX DUCT CONNECTION
SCALE:



FLOOR PLAN - PLUMBING
SCALE: 1:100



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project title
titre du projet
LEAMINGTON ONTARIO
PARKS CANADA
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
MECHANICAL FLOOR PLANS - HVAC & PLUMBING

drawn by
dessiné par **TKD**

designed by
conçu par **CWW**

approved by
approuvé par **LDP**

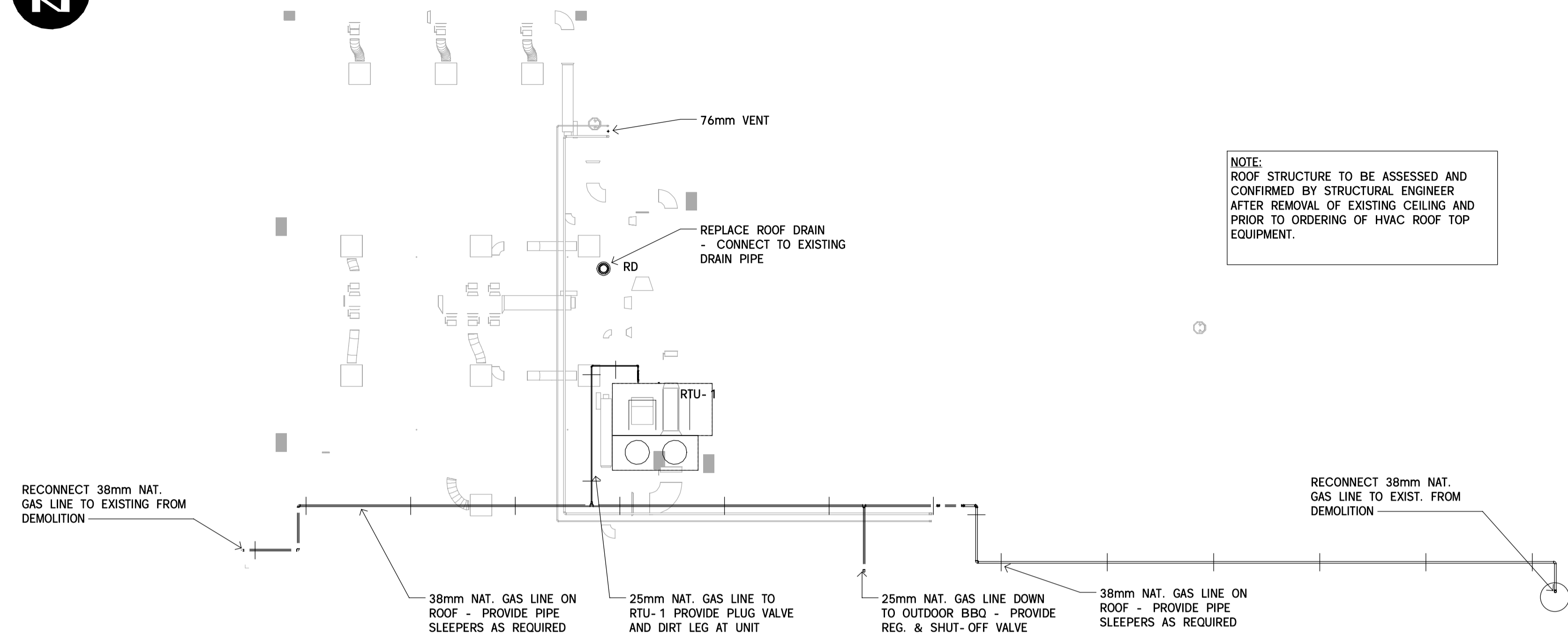
tender submission
soumission de projet **MARK MAJOR** project manager
administrateur de projets

project date
date du projet **2014/02/21**

project no.
no. du projet **138383**

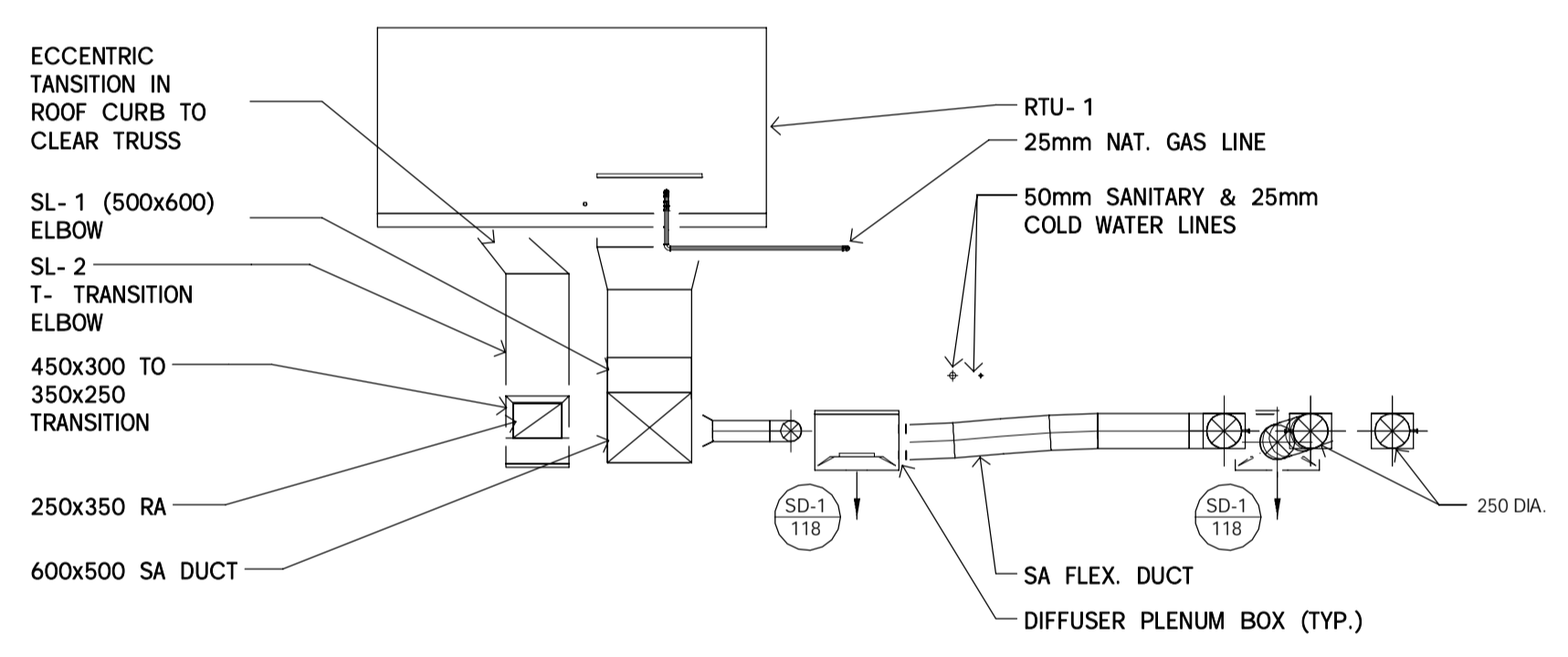
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dessiné no. **M101**

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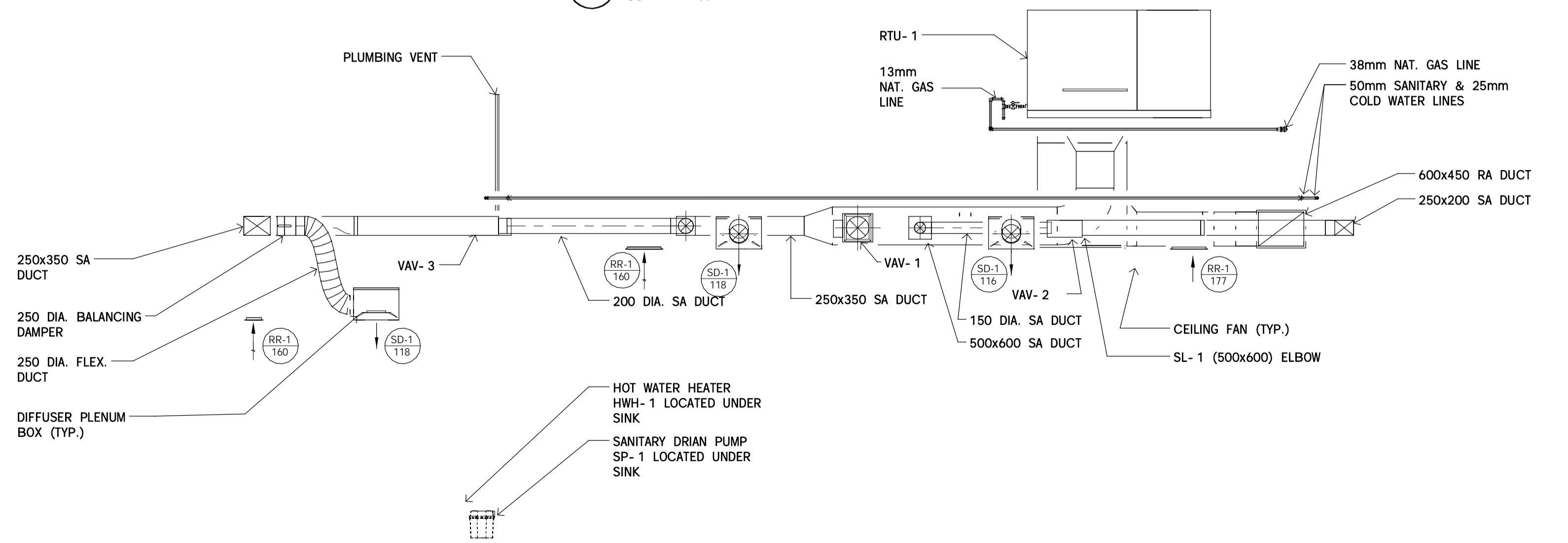


NOTE:
ROOF STRUCTURE TO BE ASSESSED AND CONFIRMED BY STRUCTURAL ENGINEER AFTER REMOVAL OF EXISTING CEILING AND PRIOR TO ORDERING OF HVAC ROOF TOP EQUIPMENT.

PART ROOF PLAN
SCALE: 1 : 100



1 SECTION
SCALE: 1 : 50



2 SECTION
SCALE: 1 : 50



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project title
titre du projet
LEAMINGTON ONTARIO
PARKS CANADA
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
**MECHANICAL
ROOF PLAN AND SECTIONS**

drawn by
dessiné par **TKD**

designed by
conçu par **CWW**

approved by
approuvé par **LDP**

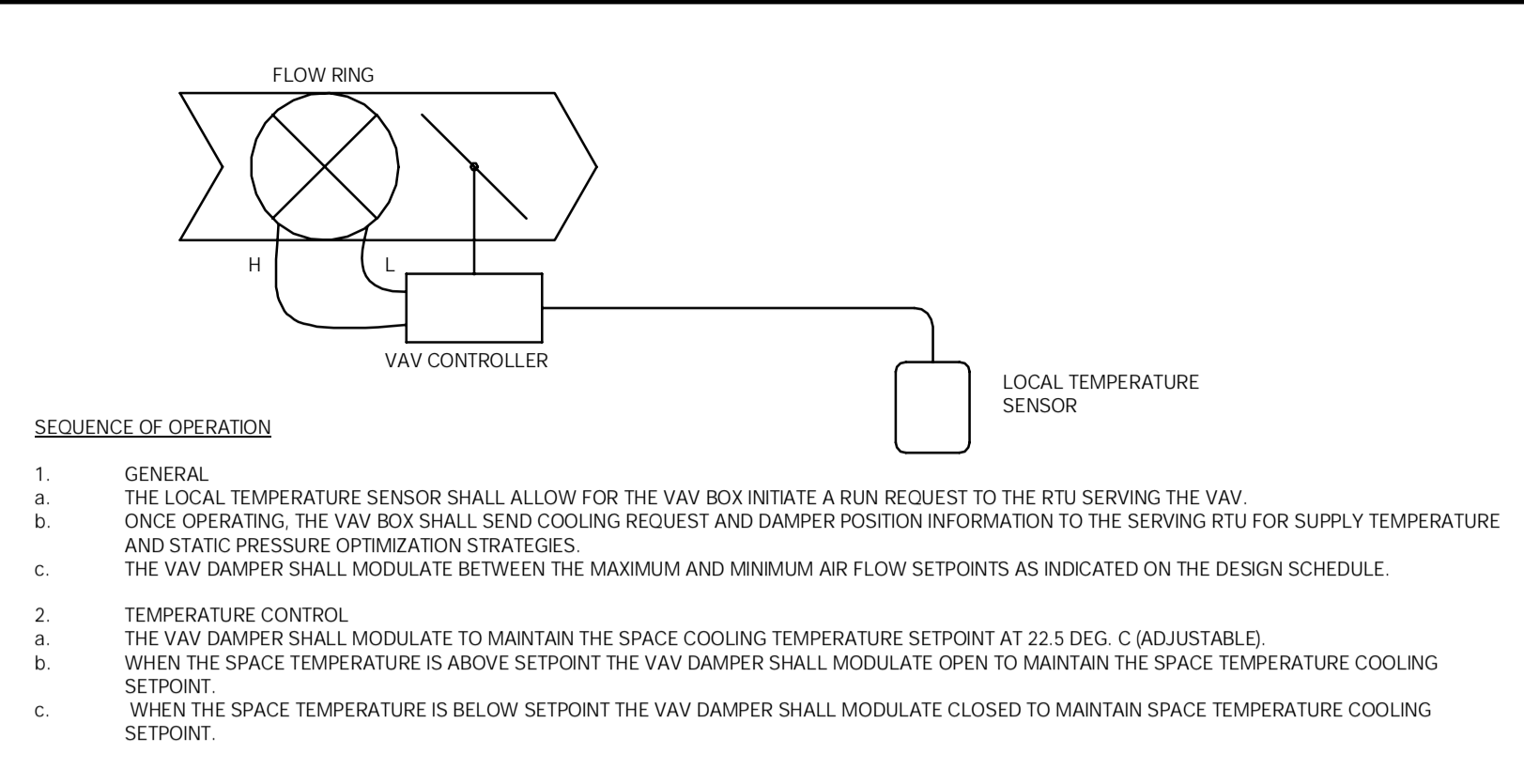
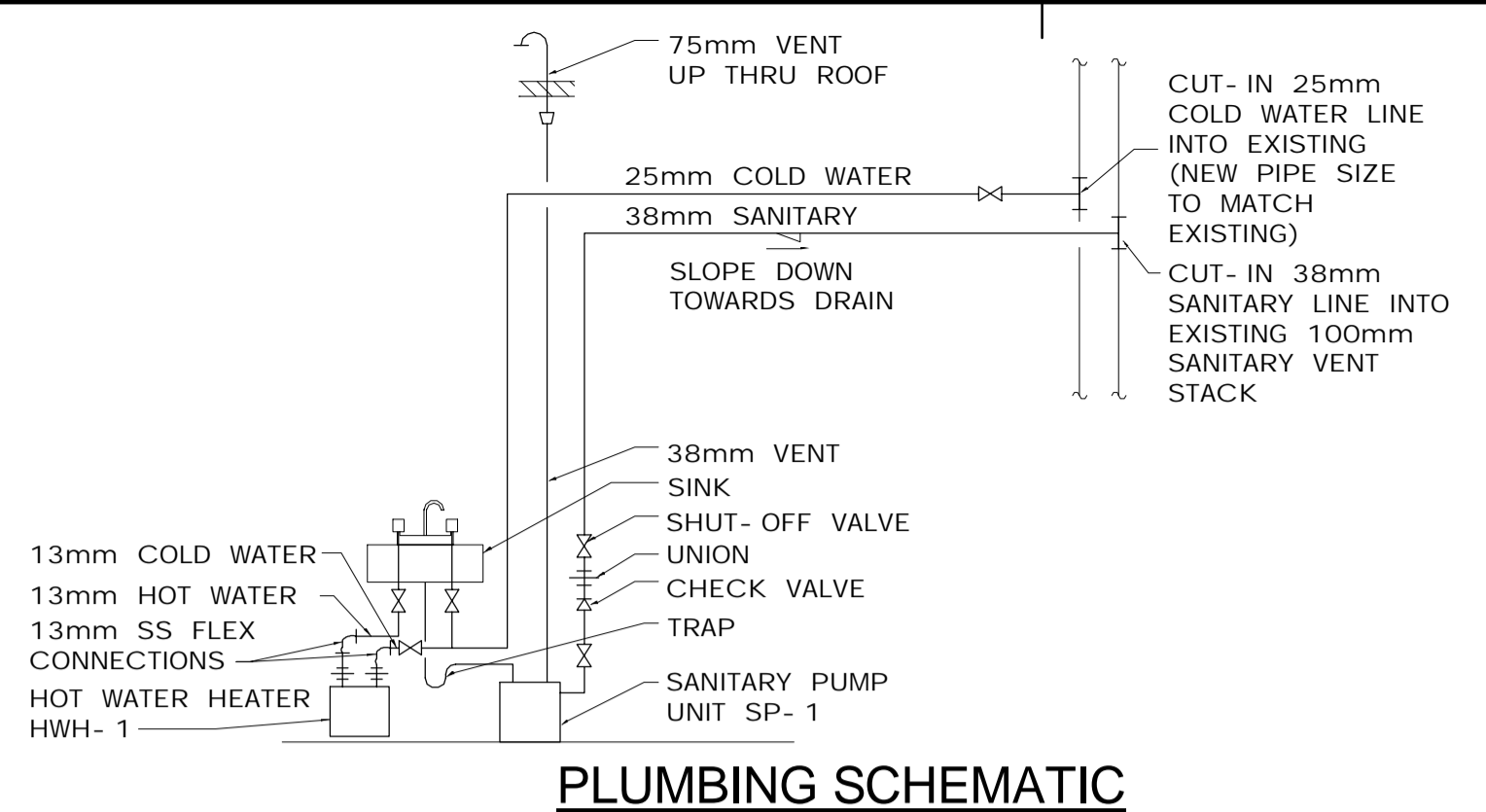
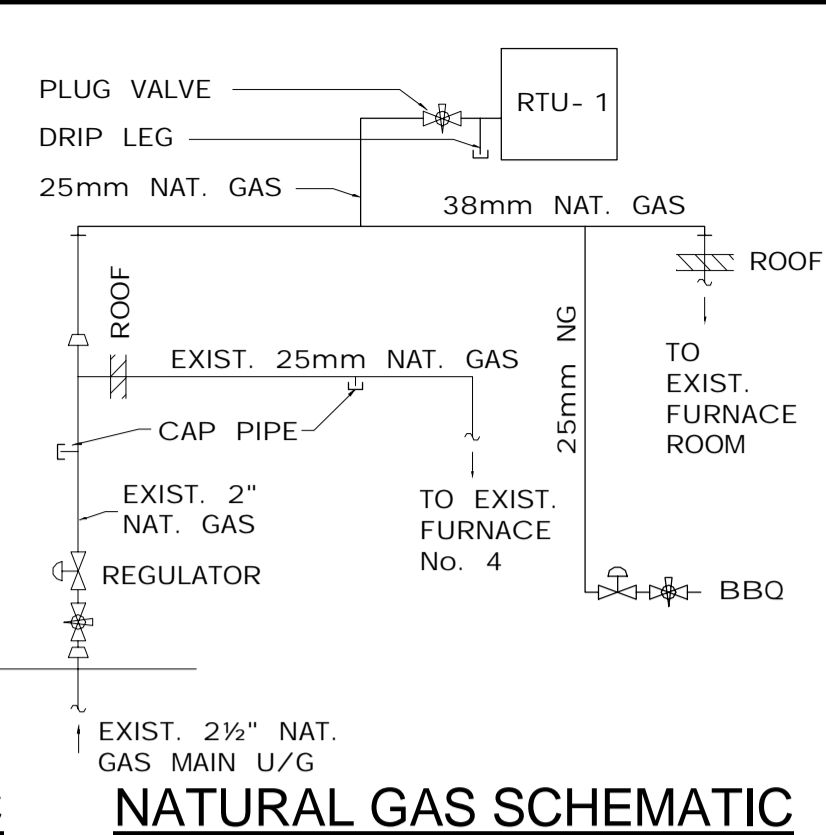
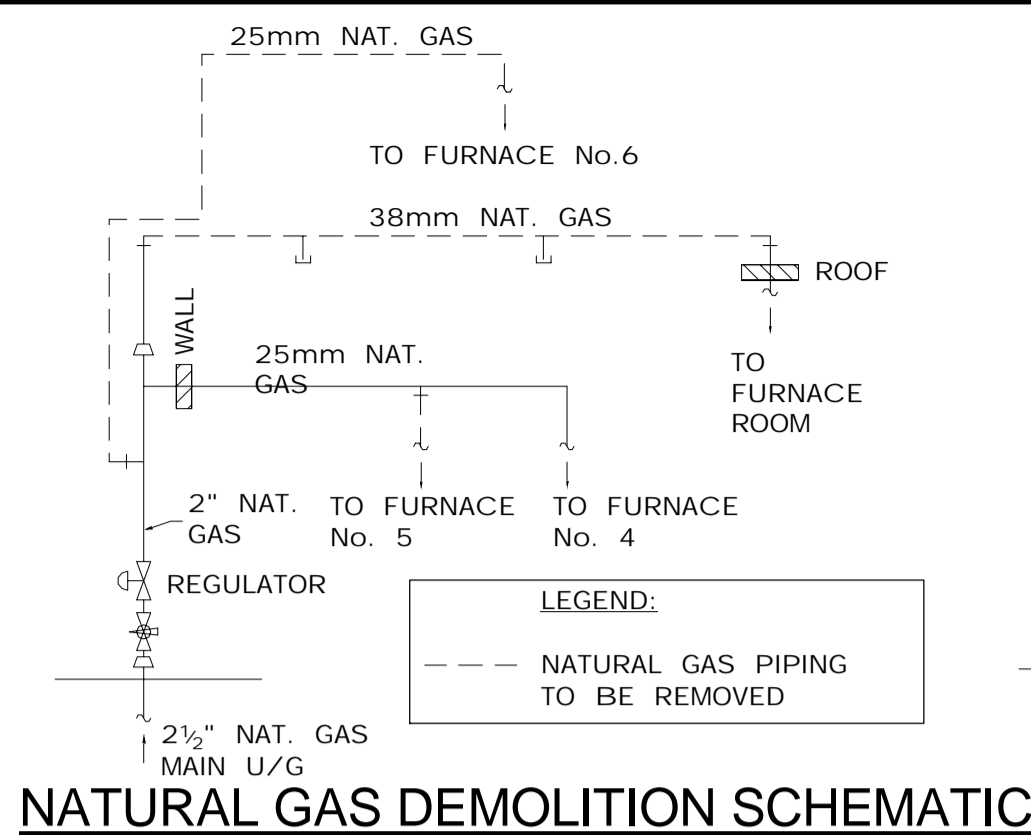
tender submission
soumission **MARK MAJOR** project manager
administrateur de projets

project date
date du projet **2014/02/21**

project no.
no. du projet **138383**

drawing no.
dessiné no. **M102**

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NATURAL GAS DEMOLITION SCHEMATIC

NATURAL GAS SCHEMATIC

PLUMBING SCHEMATIC

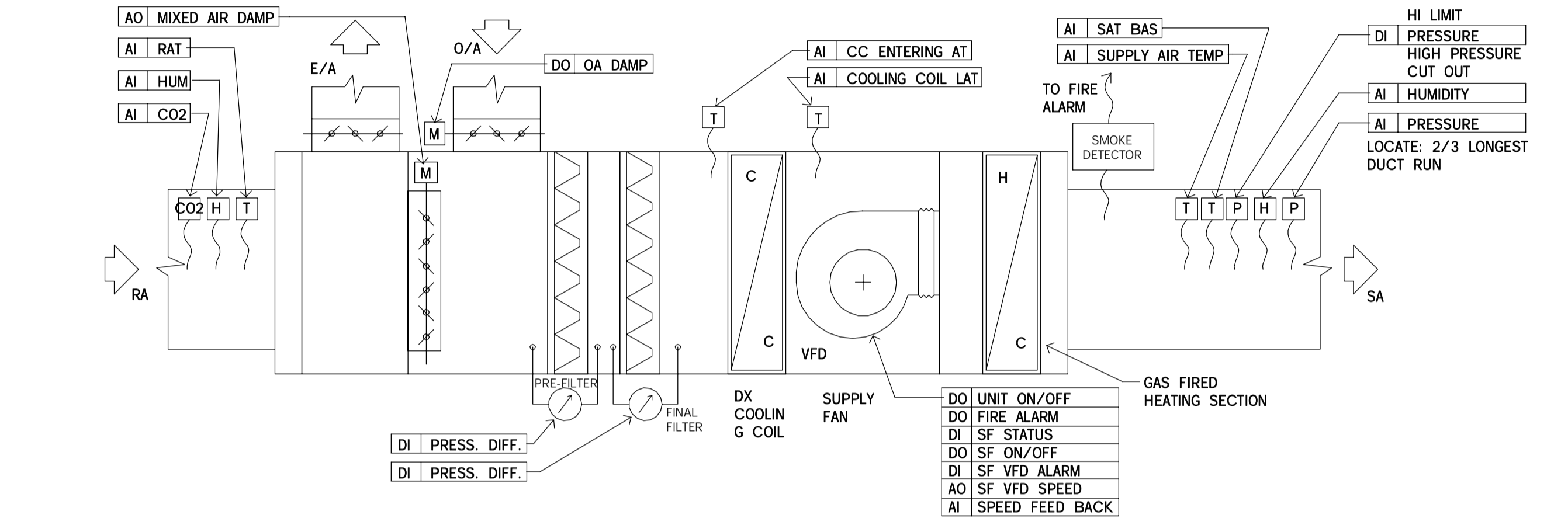
VAV CONTROLS

ITEM	DO	DI	AI	AO	PART
SPACE TEMPERATURE		X	X	X	SPACE TEMPERATURE SENSOR W/ DISPLAY, ADJUSTMENT AND OVERRIDE
AIR FLOW			X		VAV CONTROLLER / FLOW RING
VAV DAMPER CONTROL				X	DAMPER ACTUATOR / VAV CONTROLLER

SEQUENCE OF OPERATION

ROOF TOP UNIT DESCRIPTION

- VARIABLE VOLUME SUPPLY AIR, WITH PRE-FILTER AND FINAL FILTERS, DIRECT EXPANSION (DX) COOLING COIL, MODULATING NATURAL GAS HEAT AND SUPPLY FAN.
 - ECONOMIZER: ECONOMIZER WITH OUTDOOR AIR, RETURN AIR AND EXHAUST AIR DAMPERS.
 - SUPPLY FAN CONTROL: SUPPLY FAN IS CONTROLLED VIA SUPPLY DUCT STATIC PRESSURE.
- DESIGN INTENT**
- CONTINUOUS, 24 HOURS PER DAY OPERATION WITH MANUAL START/STOP.
 - SYSTEM SAFETIES ACTIVE WITH LOCAL SWITCH SET TO EITHER AUTO OR HAND.
 - CONTROL OF COOLING COIL AND GAS HEATING TO DISCHARGE/SUPPLY AIR SET POINT TEMPERATURE.
 - ECONOMIZER CONTROL BASED ON COMPARISON OF OUTDOOR AIR AND RETURN AIR ENTHALPY.
 - OUTDOOR AIR DAMPER SHALL OPEN TO MAXIMUM POSITION UPON A SIGNAL FROM CO2 SENSOR.
- SYSTEM START:**
- UPON START UP OF THE SUPPLY FAN MOTOR, THE CURRENT SWITCHES INSTALLED IN THE FAN VFD'S SHALL BE MONITORED. THE SWITCHES SHALL CONFIRM THE FAN IS IN THE DESIRED STATE (I.E. ON OR OFF) AND GENERATES AN ALARM MESSAGE IF THE STATUS DEVIATES FROM THE DDC START/STOP.
 - THE GAS-FIRED HEATING, MIXED AIR DAMPERS, AND DIRECT EXPANSION (DX) COOLING SHALL WORK IN SEQUENCE TO MAINTAIN THE SET POINT TEMPERATURES.
 - WHEN THE OUTDOOR TEMPERATURE IS BELOW 10 DEGREES CELSIUS, THE DX COOLING COIL IS LOCKED OFF.
 - WHEN THE OUTSIDE AIR DRY BULB TEMPERATURE IS BELOW THE ECONOMIZER CHANGEOVER VALUE (15 DEGREES CELSIUS) THE MIXING DAMPERS MODULATE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SET POINT. THE DAMPERS SHALL HAVE AN ADJUSTABLE MINIMUM OUTDOOR AIR SETTING.
 - THE SUPPLY AIR TEMPERATURE SET POINT SHALL BE RESET AT 13 DEGREES CELSIUS (ADJUSTABLE) BY ONE SPACE TEMPERATURE IN THE ZONE.
- HEATING:**
- THE HEATING SET POINT SHALL BE RESET BETWEEN 24C AND 22C AS THE OUTDOOR AIR TEMPERATURE IS BETWEEN 11C AND 15C.
 - WHEN THE ZONE AIR TEMPERATURE IS LESS THAN 0.5C ABOVE THE HEATING SETPOINT, THE OUTDOOR DAMPERS SHALL BE AT THE MINIMUM OUTDOOR AIR SETTING AND THE COOLING SHALL BE OFF.
 - DISCHARGE AIR TEMPERATURE IS INCREASED WHEN THE SPACE TEMPERATURE IS 0.5C BELOW THE HEATING SETPOINT AND SHALL MODULATE TO MAINTAIN SETPOINT.
- COOLING:**
- WHEN THE SPACE AIR TEMPERATURE IS HIGHER THAN 1C ABOVE THE COOLING SETPOINT THE OUTDOOR AIR DAMPERS SHALL BE AT THE MINIMUM POSITION.
 - THE COOLING SETPOINT SHALL BE RESET BETWEEN 25C AND 23C AS THE OUTDOOR AIR TEMPERATURE IS BETWEEN 11C AND 15C.
 - COOLING STAGES CYCLE AS REQUIRED TO MAINTAIN DISCHARGE AIR TEMPERATURE.
 - WHEN RETURN AIR HUMIDITY SENSOR CALLS FOR DEHUMIDIFICATION, THE UNIT CONTROLLER WILL CYCLE MECHANICAL COOLING TO MAINTAIN THE RETURN AIR RELATIVE HUMIDITY. MEANWHILE, THE HEATING IS ENABLED TO MAINTAIN THE SUPPLY AIR TEMPERATURE.
- SYSTEM ALARMS**
- AN ALARM SHALL BE GENERATED IF ANY COOLING STAGE IS ENERGIZED WITHIN 10 MINUTES OF A HEATING STAGE RUNNING.
 - ON HIGH TEMPERATURE CONDITION, THE FIRE STAT CONTACT WILL OPEN DE-ENERGIZING THE FAN MOTOR. THE DX COOLING AND GAS HEATING WILL TURN OFF. ALL DAMPERS RETURN TO THEIR NORMAL OFF POSITION AFTER THE UNIT IS DE-ENERGIZED.
 - THE FOLLOWING SAFETY CONTROLS SHALL BE HARDWIRED TO THE SUPPLY FAN VFD CONTROL CIRCUIT. THE SYSTEM SHALL REQUIRE A MANUAL RESET ON ACTIVATION OF ANY SAFETY EXCEPT AS NOTED.
 - UNIT OUTSIDE AIR DAMPER LIMIT SWITCH. PROVIDE AUTOMATIC RESET.
 - LOW AIR TEMPERATURE SWITCH (FREEZE STAT)
 - SUPPLY AIR SMOKE DETECTOR. SEPARATE INPUT TO FIRE ALARM SYSTEM.
 - SUPPLY AIR HIGH DUCTWORK STATIC PRESSURE SWITCH.
 - SUPPLY AIR SMOKE DETECTOR. SEPARATE INPUT TO FIRE ALARM SYSTEM.



CONTROLS DIAGRAM RTU-1
SCALE: 1:16

RETURN REGISTER SCHEDULE	
MARK	REMARKS
RR-1	EH PRICE - EGG CRATE SERIES 80 MODEL # 600x300/80DAL/TB/B12 OR APPROVED EQUAL

SUPPLY DIFFUSER / GRILLE SCHEDULE		
MARK	SIZE NECK (mm)	REMARKS
SD-1	250	EH PRICE CEILING TWIST OUTLETS RSD SERIES, SQUARE SLOT ARRANGEMENT-ADJUSTABLE-RSD/500x500/TOP OR APPROVED EQUAL.
SG-1		EH PRICE LOUVERED FACE SUPPLY 350x350/620DAL/F/L/A/B12 OR APPROVED EQUAL

ROOFTOP HVAC UNIT SCHEDULE																			
MARK	Is	E.S.P. KPa WATER	HEATING SECTION				COOLING COILS							ELECTRICAL				REMARKS	
			AIR TEMP. °C		INPUT KW	OUTPUT KW	AIR TEMP. °C				COIL SENS. LOAD KW	COIL TOTAL LOAD KW	TOTAL LOAD TONS	FILTERS	ELECTRICAL				
			EAT	LAT			EAT D.B.	EAT W.B.	LAT D.B.	LAT W.B.					MCA	V	HZ		PHASE
RTU-1	1320	0.311	10	39.2	59	47	25.7	18.6	12.7	12.7	21	27	7.5	MERV8 & MERV13	38.4	600	60	3	ROOFTOP UNIT WITH DX COILS, NAT. GAS HEATING, ENTHALPY ECONOMIZER, ROOF CURB, CO2 SENSOR (DEMAND CONTROL VENTILATION) DUCT MOUNTED, C/W R410A REFRIGERANT DAIKIN REBEL MODEL # DPS007A OR APPROVED EQUAL. REFER TO SPECIFICATION SECTION 23 74 00 FOR MORE DETAILS AND CONTROLLER SPECIFICATIONS.

VARIABLE AIR VOLUME BOX SCHEDULE					
MARK	ROOM SERVED	SIZE (mm)	L/s		REMARKS
			MAX.	MIN.	
VAV-1	THEATRE	300	793	238	VARIABLE AIR VOLUME SINGLE DUCT TERMINAL UNIT, C/W WIRELESS RECEIVER, DDL CONTROLLER, DDC CONTROLLED ACTUATOR, EH PRICE SDV12 C/W 5 FT. LONG ATTENUATOR OR APPROVED EQUAL
VAV-2	MECHANICAL ROOM	150	170	51	VARIABLE AIR VOLUME SINGLE DUCT TERMINAL UNIT, C/W WIRELESS RECEIVER, DDL CONTROLLER, DDC CONTROLLED ACTUATOR, EH PRICE SDV6 C/W 5 FT. LONG ATTENUATOR OR APPROVED EQUAL
VAV-3	WORKSHOP	200	359	108	VARIABLE AIR VOLUME SINGLE DUCT TERMINAL UNIT, C/W WIRELESS RECEIVER, DDL CONTROLLER, DDC CONTROLLED ACTUATOR, EH PRICE SDV8 C/W 5 FT. LONG ATTENUATOR OR APPROVED EQUAL

DOMESTIC HOT WATER HEATER SCHEDULE (ELECTRIC)					
MARK	TYPE	TEMP. RISE °F 0.5 GPM	VOLTAGE	ELECT. RATING KW	REMARKS
HWH-1	INSTANTANEOUS	41	120	3	BRADFORD WHITE TANKLESS WATER HEATER MODEL ES-3000-1-S-10 OR APPROVED EQUAL

SILENCER SCHEDULE																	
MARK	SYSTEM SERVED	AIR FLOW (l/s)	SIZE		LENGTH	TYPE	MAX. PD (kPa)	DYNAMIC INSERTION LOSS								MODEL	REMARKS
			WIDTH	HEIGHT				63	125	250	500	1000	2000	4000	8000		
SL-1	RTU-1	1320	508	610	1200	ELBOW	0.015	4	6	9	15	22	23	17	15	RED-L-18027	CASING TO BE HTL EQUIVALENT TO 14 GAUGE DUCT WALL TO CONTROL BREAKOUT. TRANSITIONAL ELBOW SILENCER. INLET 864x762, OULET: 457x864
SL-2	RTU-1	1198	450	600	1500	ELBOW	0.022	6	8	14	19	32	27	24	19	T-RED-L-18027	CASING TO BE HTL EQUIVALENT TO 18 GAUGE DUCT WALL TO CONTROL BREAKOUT. TRANSITIONAL T-ELBOW SILENCER. INLET 457x457 AND 254x457, OULET: 1200x457

SANITARY PUMP SCHEDULE						
MARK	FLOW L/s	FULL LOAD AMPS	HEAD kpa	HP	ELECTRICAL	REMARKS
SP-1	0.2	5	60	0.3	120V/1PH	LIBERTY PUMPS MODEL 404 OR APPROVED EQUAL

PARKS CANADA
PARCS CANADA

SOUTHWESTERN ONTARIO FIELD UNIT

ASSET MANAGEMENT SECTION

DILLON CONSULTING

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project title
titre du projet

LEAMINGTON ONTARIO

PARKS CANADA
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4

VISITOR CENTRE THEATRE

drawing title
titre du dessin

MECHANICAL SCHEMATICS & SCHEDULES

drawn by
dessiné par **TKD**

designed by
conçu par **CWW**

approved by
approuvé par **---**

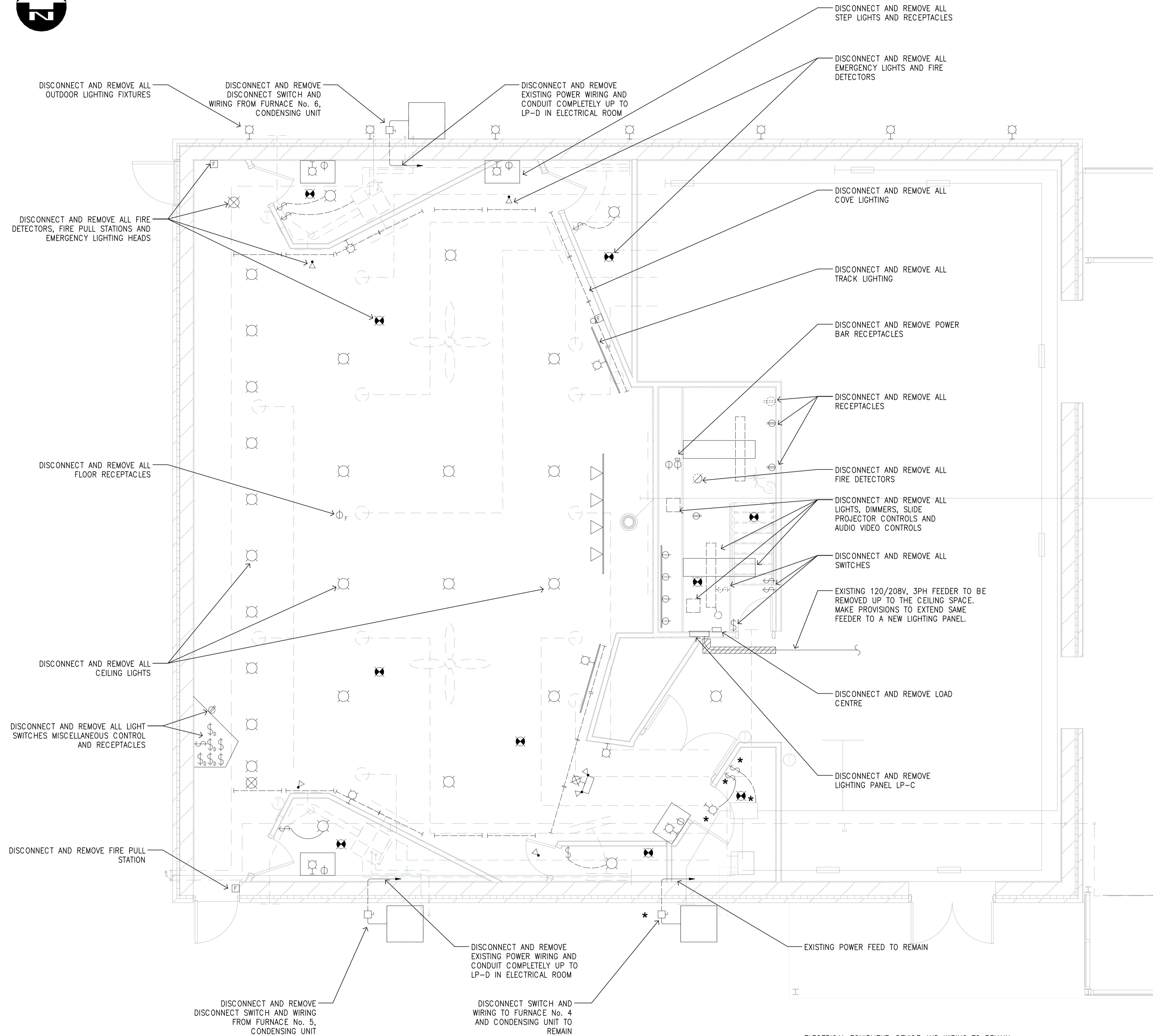
tender submission
soumission de projet **MARK MAJOR** project manager
administrateur de projets

project date
date du projet **2014/02/21**

project no.
no. du projet **138383**

drawing no.
dessiné no. **M103**

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LEGEND:

- CEILING FIXTURE
- SPOT LIGHT
- WALL MOUNTED FIXTURE
- EXIT LIGHT
- FIRE ALARM BELL
- FIRE ALARM PULL STATION
- FIRE / SMOKE DETECTOR
- EMERGENCY LIGHT HEAD
- EMERGENCY LIGHT UNIT C/W EXIT LIGHT
- DUPLEX RECEPTACLE
- SINGLE RECEPTACLE
- SWITCH
- DIMMER SWITCH
- DISCONNECT SWITCH

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LEAMINGTON ONTARIO
 PARKS CANADA
 1118 POINT PEELE DR.
 LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
ELECTRICAL LIGHTING AND POWER PLAN - DEMOLITION

drawn by
dessiné par **MS**

designed by
conçue par **VNC**

approved by
approuvé par

tender
soumission **MARK MAJOR** project manager
administrateur de projets

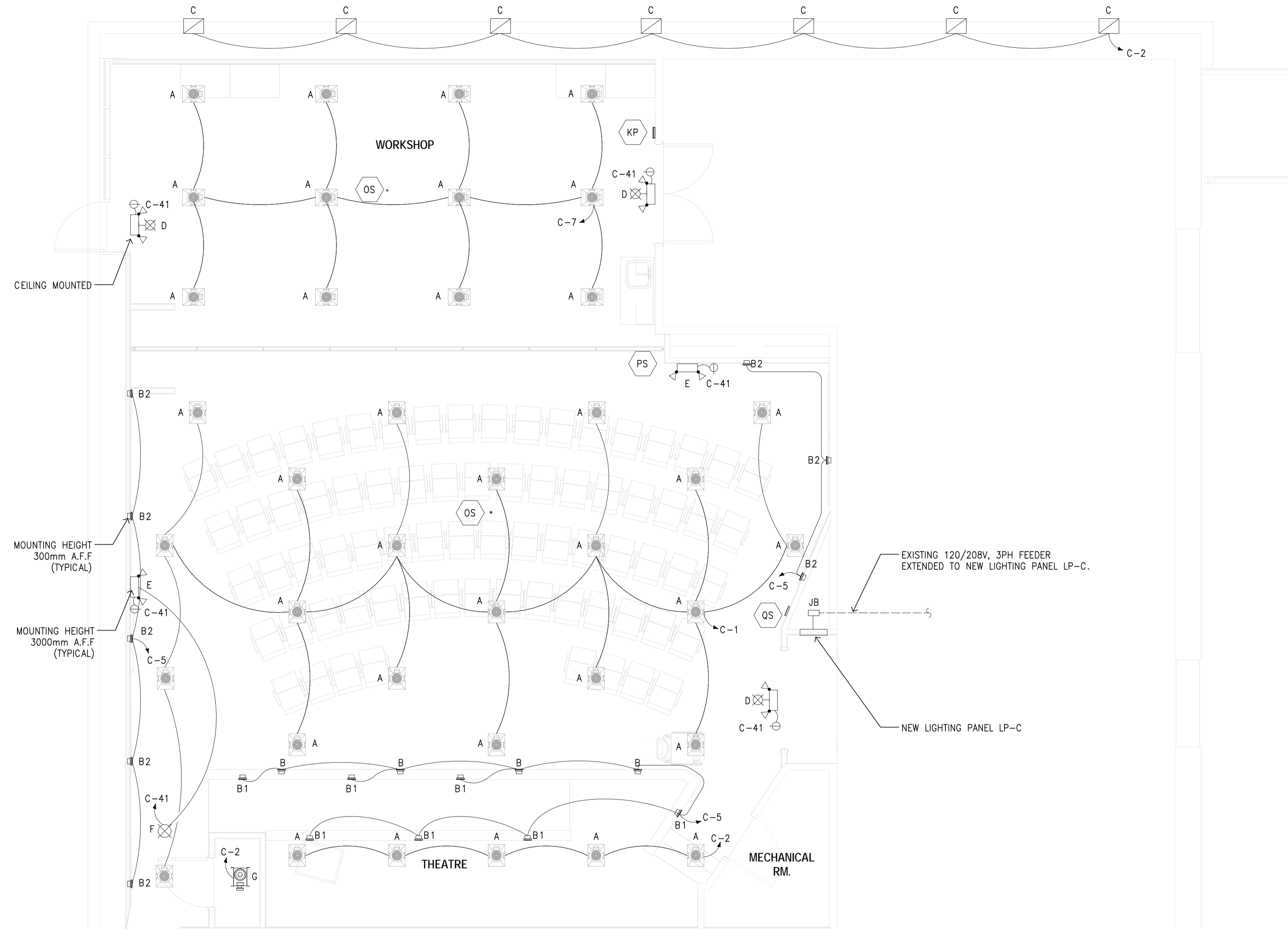
project date
date du projet **2013/11/18**

project no.
no. du projet **138383**

drawing no.
dessiné no. **E100**

LIGHTING AND POWER PLAN - DEMOLITION
 SCALE: 1:50

* ELECTRICAL EQUIPMENT, DEVICE AND WIRING TO REMAIN.
 MAKE PROVISIONS TO RECONNECT TO NEW PANEL OR EXISTING CIRCUIT.



FLOOR PLAN - LIGHTING
SCALE: 1:50

LEGEND:

- EXIT LIGHT
- EMERGENCY LIGHT UNIT
C/W EXIT LIGHT
- EMERGENCY LIGHT UNIT
- LIGHTING CONTROLLER
- LIGHTING CONTROL KEYPAD
- LIGHTING CONTROL OCCUPANCY SENSOR
- LIGHTING CONTROL PARTITION SENSOR

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revision	description	date
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project title
titre du projet
LEAMINGTON ONTARIO
PARKS CANADA
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
ELECTRICAL FLOOR LIGHTING PLAN

drawn by
dessiné par
MS

designed by
conçu par
VNC

approved by
approuvé par

tender submission
soumission
MARK MAJOR project manager
administrateur de projets

project date
date du projet
2013/11/18

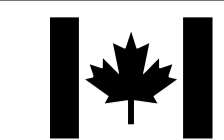
project no.
no. du projet
138383

drawing no.
dessiné no.
E101

LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	MANUFACTURER*	MODEL NUMBER
A	LITHONIA COMMERCIAL DOWNLIGHTING - DOM LED SERIES, 16-GAUGE GALVANIZED STEEL MOUNTING/PLASTER FRAME WITH TORSION SPRINGS, RUGGED, ONE-PIECE, DIE-CAST HOUSING WITH WHITE INTERIOR DOME REFLECTOR. POST-INSTALLATION ADJUSTMENT POSSIBLE FROM ABOVE OR BELOW THE CEILING. THERMAL PROTECTION PROVIDED. HIGH EFFICIENCY ELECTRONIC LED DRIVER (DIMMABLE) MOUNTED IN THE JUNCTION BOX. DIMMING SHALL BE COMPATIBLE WITH THE LUTRON GRAFIK EYE SYSTEM.	LITHONIA LIGHTING	DOM8-LED-1500L-120
B	JUNO MINI LEDSTEP LIGHTS - BLACK FINISH WALL MOUNT FIXTURE.	JUNO LIGHTING	LMS-3K-H-BK
B1	JUNO MINI LEDSTEP LIGHTS - BLACK FINISH WALL MOUNT FIXTURE.	JUNO LIGHTING	LMS-3K-L-BK
B2	JUNO MINI LEDSTEP LIGHTS - BLACK FINISH WALL MOUNT FIXTURE.	JUNO LIGHTING	LMS-3K-C-BK
C	LED WALL PACK LIGHTING FIXTURE, 120V.	LITONIA LIGHTING	OLW14
D	LED ILLUMINATED UNIVERSAL MOUNT COMBINATION UNIT PICTOGRAM WITH TWO LED LIGHTING HEADS	LUMACELL	LAC1W640 2 LD1 AT LAMP: 6V-4W MR16 LED
E	EMERGENCY LIGHTING UNIT C/W BATTERY, CHARGER UNIT, TO LED LIGHTING HEADS WITH PROVISIONS FOR REMOTE WIRING OF EXIT PICTOGRAM.	LUMACELL	GRA 72 2 LD1 W AT LC LAMP: 6V-6W MR16 LED
F	LED UNIVERSAL MOUNT PICTOGRAM EXIT SIGN SHALL OPERATE WITH UNIVERSAL 120V AC AND 6V DC INPUTS.	LUMACELL	LA 1 W U
G	152mm CLEAR DIFFUSE OPEN REFLECTOR WITH MEDIUM-BASE PORCELAIN SOCKET	LITONIA LIGHTING	13W MEDIUM-BASED SELF BALLANCED CFL

LIGHTING FIXTURE SCHEDULE
SCALE: NOT TO SCALE

* OR DEPARTMENT REPRESENTATIVE APPROVED EQUAL



PARKS CANADA
PARCS CANADA

SOUTHWESTERN ONTARIO
FIELD UNIT

ASSET MANAGEMENT SECTION



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	dessin no. - ou detail exige	
	drawing no. - where detailed	
	dessin no. - ou detaille	

project title
titre du projet
LEAMINGTON ONTARIO
PARKS CANADA
1118 POINT PELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
**ELECTRICAL
POWER PLAN LAYOUT**

drawn by
dessine par
MS

designed by
conc par
VNC

approved by
approuve par

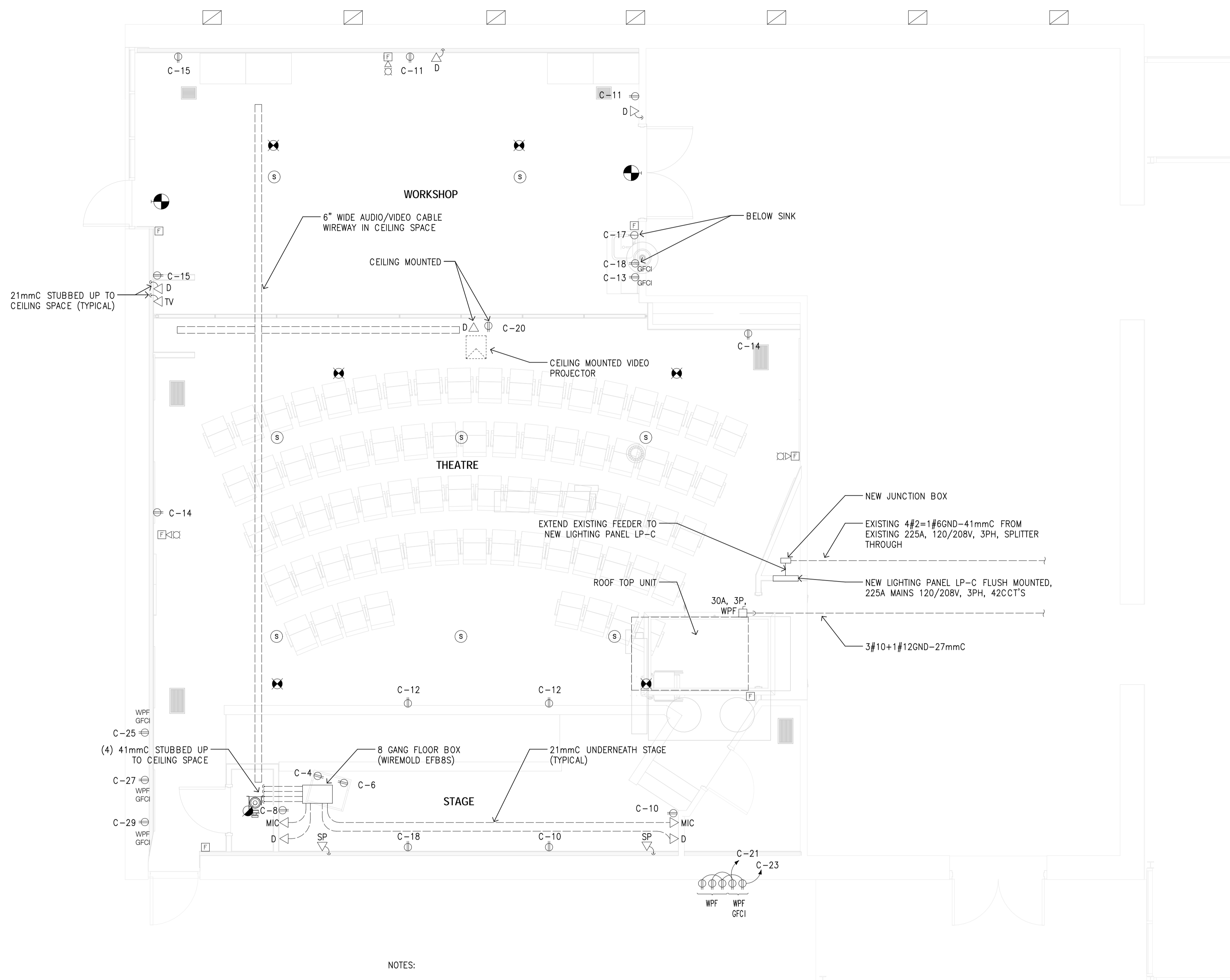
tender
soumission
MARK MAJOR

project manager
administrateur
de projets

project date
date du projet
2013/11/18

project no.
no. du projet
138383

drawing no.
dessine no.
E102



LEGEND:

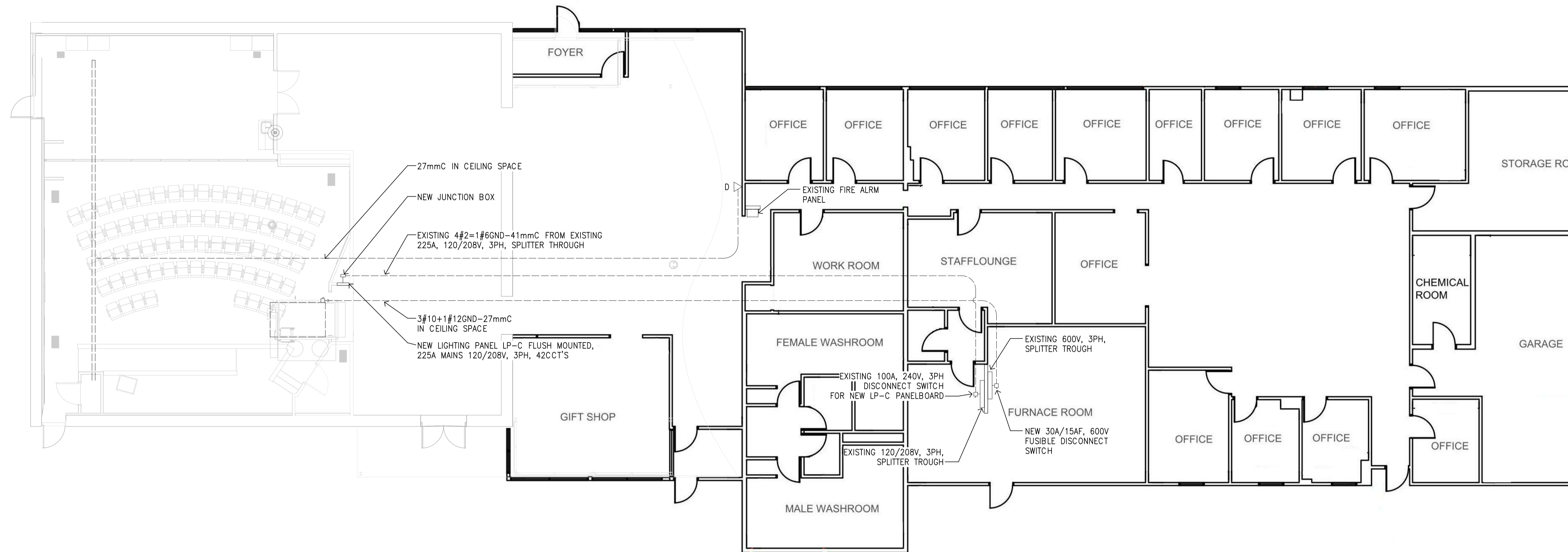
- SMOKE DETECTOR
- HEAT DETECTOR, RATE-OF RISE
- CEILING MOUNTED SPEAKER
- DUPLEX RECEPTACLE
- WEATHERPROOF DUPLEX RECEPTACLE WITH IN-USE COVER
- WEATHERPROOF DUPLEX RECEPTACLE WITH IN-USE COVER AND WITH GROUND FAULT CIRCUIT INTERRUPTER
- SINGLE RECEPTACLE
- TV OUTLET
- MICROPHONE OUTLET
- DATA OUTLET
- SPEAKER OUTLET
- FIRE ALARM HORN AND STROBE LIGHT COMBINATION UNIT
- FIRE ALARM MANUAL PULL STATION

- NOTES:
- <D/MIC/TV - MOUNTING HEIGHT 450mm A.F.F.
 - <SP - MOUNTING HEIGHT 900mm BELOW CEILING

POWER AND SYSTEMS PLAN - LAYOUT
SCALE: 1:50

NOTE:
1. SUPPLY AND INSTALLATION OF AUDIO/VISUAL/DATA SYSTEMS SHALL BE IN ACCORDANCE WITH THE AUDIO VISUAL SPECIFICATIONS

DILLON CONSULTING LIMITED, 3000 DEZIEL DRIVE, SUITE 608, WINDSOR, ONTARIO, N8M 5K8, PHONE (519) 948-5000, FAX (519) 948-5054



POWER PLAN - BUILDING LAYOUT
SCALE: 1:100

NEW PANELBOARD LP-C		200A, MAINS 120/208V, 3PH, 4W		42CCT'S	
LOAD	DESCRIPTION			DESCRIPTION	LOAD
	THEATRE LIGHTS	1	20A	15A	2
	THEATRE LIGHTS	3	15A	20A	4
	THEATRE STEP LIGHTS	5	15A	20A	6
	WORKSHOP LIGHTING	7	15A	20A	8
	WORKSHOP RECEPTACLES	9	20A	20A	10
	WORKSHOP RECEPTACLES	11	20A	20A	12
	WORKSHOP RECEPTACLES	13	20A	20A	14
	DRAIN PUMP	15	15A	20A	16
	WATER HEATER	17	30A	15A	18
	CEILING FANS	19	15A	20A	20
	SOUTH OUTSIDE WALL RECEPTACLES	21	15A	20A	22
	SOUTH OUTSIDE WALL RECEPTACLES	23	15A	20A	24
	WEST OUTSIDE WALL RECEPTACLES	25	15A	20A	26
	WEST OUTSIDE WALL RECEPTACLES	27	15A	15A	28
	WEST OUTSIDE WALL RECEPTACLES	29	15A	15A	30
	S P A R E	31	15A	15A	32
	S P A C E	33			34
	S P A C E	35			36
	S P A C E	37			38
	S P A C E	39			40
	S P A C E	41	15A		42
	EMERGENCY / EXIT LIGHTS				

PANELBOARD SCHEDULE



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project title
titre du projet
LEAMINGTON ONTARIO
PARKS CANADA
1118 POINT PEELEE DR.
LEAMINGTON, N8H 3V4
VISITOR CENTRE THEATRE

drawing title
titre du dessin
**ELECTRICAL
POWER PLAN - BUILDING
LAYOUT**

drawn by
dessiné par **MS**

designed by
conçu par **VNC**

approved by
approuvé par

tender
soumission **MARK MAJOR** project manager
administrateur de projets

project date
date du projet **2013/11/18**

project no.
no. du projet **138383**

drawing no.
dessiné no. **E103**