

PARKS CANADA AGENCY

JASPER TRANSFER STATION

PROJECT No. 60478620

LIST OF PROJECT DRAWINGS

DRAWING No.	DISCIPLINE	DESCRIPTION
GENERAL		
G100	GENERAL	COVER SHEET
STRUCTURAL		
S100	STRUCTURAL	STRUCTURAL GENERAL NOTES
S101	STRUCTURAL	STRUCTURAL FLOOR PLANS
S102	STRUCTURAL	STRUCTURAL EXTERIOR ELEVATIONS
S103	STRUCTURAL	STRUCTURAL SECTIONS AND DETAILS
S104	STRUCTURAL	STRUCTURAL DETAILS
ELECTRICAL		
E100	ELECTRICAL	ELECTRICAL FLOOR PLANS, DETAILS & SCHEDULES

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A	16.02.17	ISSUED FOR 90% REVIEW	EL	MES
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision				
<div><div></div><div>A</div><div>B</div></div>	Détail number Sheet number	A Numéro de détail B Numéro de la feuille		
	Linear dimensions in millimetres	Dimensions linéaires en millimètres		

Consultant's Name
Nom de l'expert-conseil

AECOM

Eng. Stamp
Sceau de l'ingénieur

 Parks Canada Parcs Canada

Asset Management Gestion des biens
Western and Northern
Region du Nord

Canada

Project title/Titre du projet

JASPER TRANSFER
STATION

Drawing title/Titre du dessin


COVER SHEET

Surveyed by/Aprimé par	Drawn by/Dessiné par	Date
–	EL	2016.04.04
Designed by/Concepté par	Reviewed by/Revisé par	Scale/Echelle
JMC	JMC	–
Client Acceptance/Acceptation du client/ Approved by/Approuvé par		
Date		Date
Project No./No du projet	Asset No./No du bien	Sheet No./ N° de la feuille
60478620	–	G100
Drawing Set No./No de série du dessin	–	

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Detail number Sheet number	A Numero de detail B Numero de la feuille
	

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Asset Management Western and Northern Region	Gestion des biens Région de l'Ouest et du Nord



Project title/Titre du projet

JASPER TRANSFER
STATION

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STRUCTURAL
GENERAL NOTES

Survived by/Arpenté par	EL	Down by/Défaite par	Date
Designed by/Concept par	JNC	Reviewed by/Revisé par	Date
Client Acceptance/Acceptation du client		Approved by/Approuvé par	

Project No./N ^o du projet 604/8620	Asset No./N ^o du bien -	Sheet No./ Node la feuille S100
Drawing Set No./N ^o de série du dessin -		

CONCRETE

1. PROVIDE CONCRETE AND PERFORM WORK IN ACCORDANCE WITH CSA-A23. THE CONTRACTOR SHALL HAVE A COPY OF THIS STANDARD ON SITE AT ALL TIMES.
2. ALL CONCRETE SHALL BE NORMAL-DENSITY WITH NORMAL-DENSITY FINE AND COARSE AGGREGATE AND BE PROPORTIONED TO MEET THE FOLLOWING REQUIREMENTS:

CONCRETE SLAB & APRON REPAIRS	SKIRGROUT 212 OR SIMILAR APPROVED					
LOCATION	CSA EXPOSURE CLASS	CEMENT TYPE	MINIMUM COMPRESSIVE STRENGTH (MPa)	MAX W/C RATIO	MAX. AGGREGATE (mm)	AIR CONTENT (%)
CURB	C-1	HS	32 @ 28 DAYS	0.4	20mm	5-6%

STRUCTURAL STEEL FRAMING

1. FABRICATE AND ERECT STRUCTURAL STEEL TO CSA-S16
2. PROVIDE STRUCTURAL STEEL TO CSA-G40.21 WITH THE FOLLOWING GRADES:

WIDE FLANGE BEAMS:	350 W
CHANNELS AND ANGLES:	300 W
HSS SECTIONS (CLASS "C"):	360 W
STRUCTURAL BARS AND PLATES:	300 W
MISCELLANEOUS STEEL:	300 W
ANCHOR RODS:	300 W
3. DIMENSIONS SHOWN ARE TO CENTER LINES OF SECTIONS AND TO BACK OF CHANNELS OR ANGLES UNLESS NOTED OTHERWISE. ELEVATIONS SHOWN ARE TO TOP OF STEEL U.N.O.
4. WELD TO CSA W59 BY FABRICATORS QUALIFIED TO CSA-W47.1.
5. FIELD WELDING AND FIELD MODIFICATION OF STRUCTURAL STEEL SHALL NOT BE ALLOWED WITHOUT PRIOR REVIEW AND APPROVAL BY THE DEPARTMENTAL REPRESENTATIVE.
6. TEMPORARY BRACING DURING CONSTRUCTION TO BE DESIGNED BY CONTRACTOR. ERECTION BRACING SHALL BE REMOVED ONLY AFTER PERMANENT FLOOR DIAPHRAGMS, ROOF DIAPHRAGMS, SHEAR WALLS, AND PERMANENT BRACING ARE COMPLETED.

ABBREVIATIONS

AT	ASPHALT IMPREGNATED FIBRE BOARD
②	A.I.F.B.
BLL	BOTTOM LOWER LAYER
BUL	BOTTOM UPPER LAYER
BOF	BOTTOM

CANT.	CANTILEVER
C.I.P.	CAST-IN-PLACE
CL.	CENTER LINE
CLR.	CLEAR, CLEARANCE
COLS.	COLUMNS
CONC.	CONCRETE
CONT.	CONTINUOUS
C/W	COMPLETE WITH

DEG.	DEGREE
DIA.	DIAMETER
DL	DEAD LOAD
DN.	DOWN
DP.	DEEP
DWG.	DRAWING
EA.	EACH
E.F.	EACH FACE
EL.	ELEVATION
E.W.	EACH WAY
EXIST.	EXISTING
G.	Gauge
GALV.	GALV.

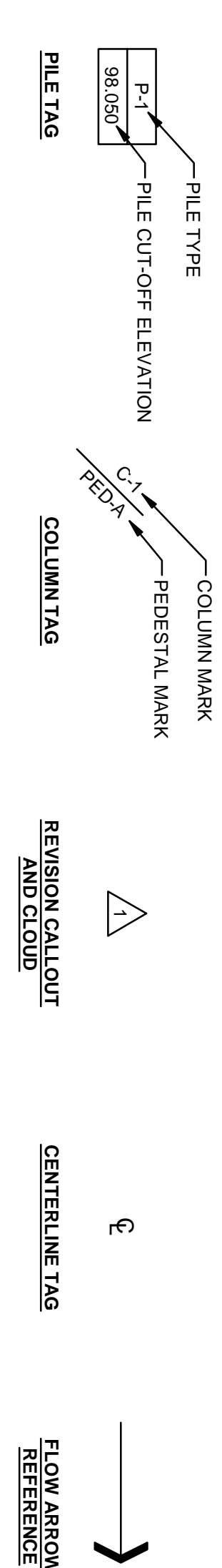
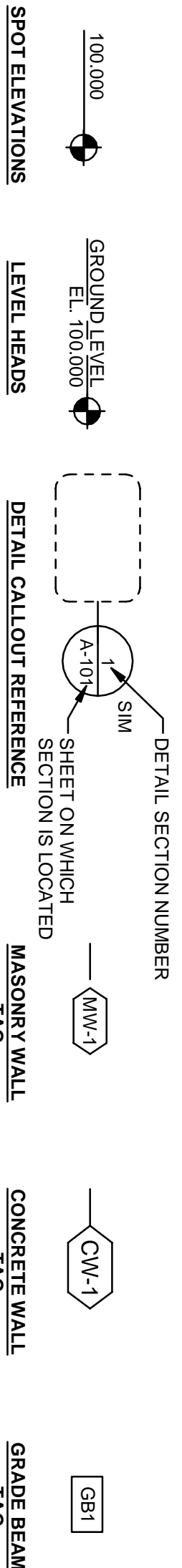
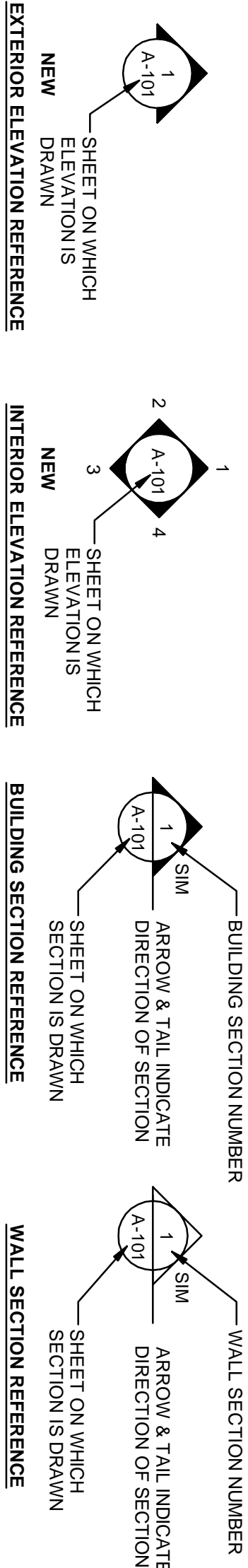
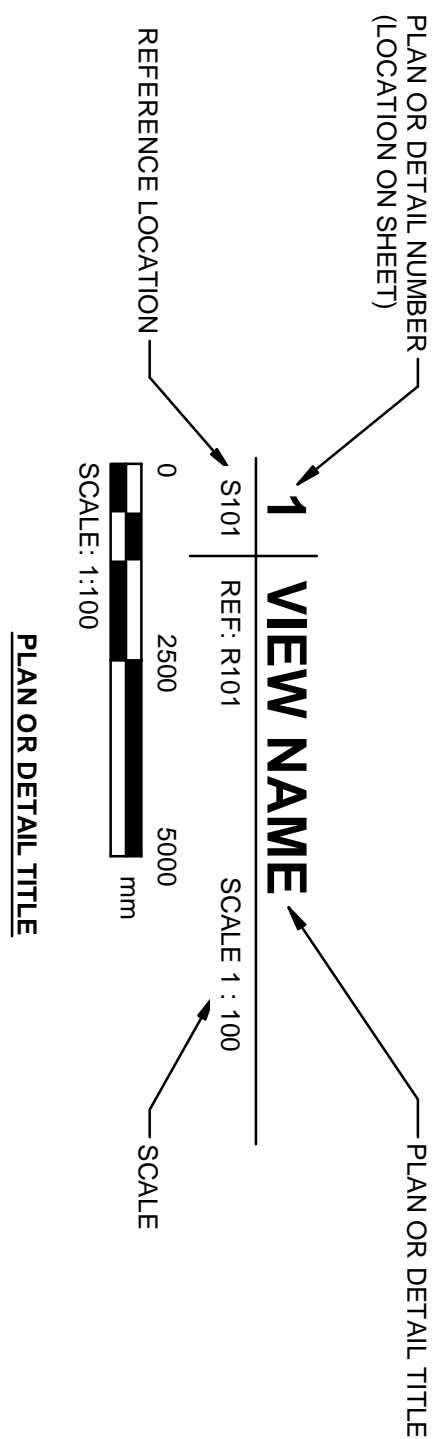
HK	HOOK
HORIZ.	HORIZONTAL
I.F.	INSIDE FACE
INV.	INVERT
KN	KILONEWTON
kPa	KILOPASCAL
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LVL	LONG LEG VERTICAL

m	METER
MAX.	MAXIMUM
MID.	MIDDLE
MIN.	MINIMUM
mm	MILLIMETER
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.F.	OUTSIDE FACE
OPP.	OPPOSITE

±	PLUS MINUS
REF. REINF. R/W	REFERENCE REINFORCEMENT REINFORCED WITH
SDL SIM. SLS	SUPERIMPOSED DEAD LOAD SIMILAR SNOW LOAD SERVICEABILITY LIMIT STATE

T.O.	TOP OF
T.L.	TOP LOWER LAYER
TUL	TOP UPPER LAYER
TYP.	TYPICAL
U/G	UNDER GROUND
ULS	ULTIMATE LIMIT STATE
UNO	UNLESS NOTED OTHERWISE
U/S	UNDER SIDE
VERT.	VERTICAL
WL	WIND LOAD

SYMBOLOLOGY LEGEND





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Revision / Revision				
<div><div></div><div>A</div></div>	Detail number Sheet number	A Numéro de détail B Numéro de la feuille		
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Project title/Titre du projet

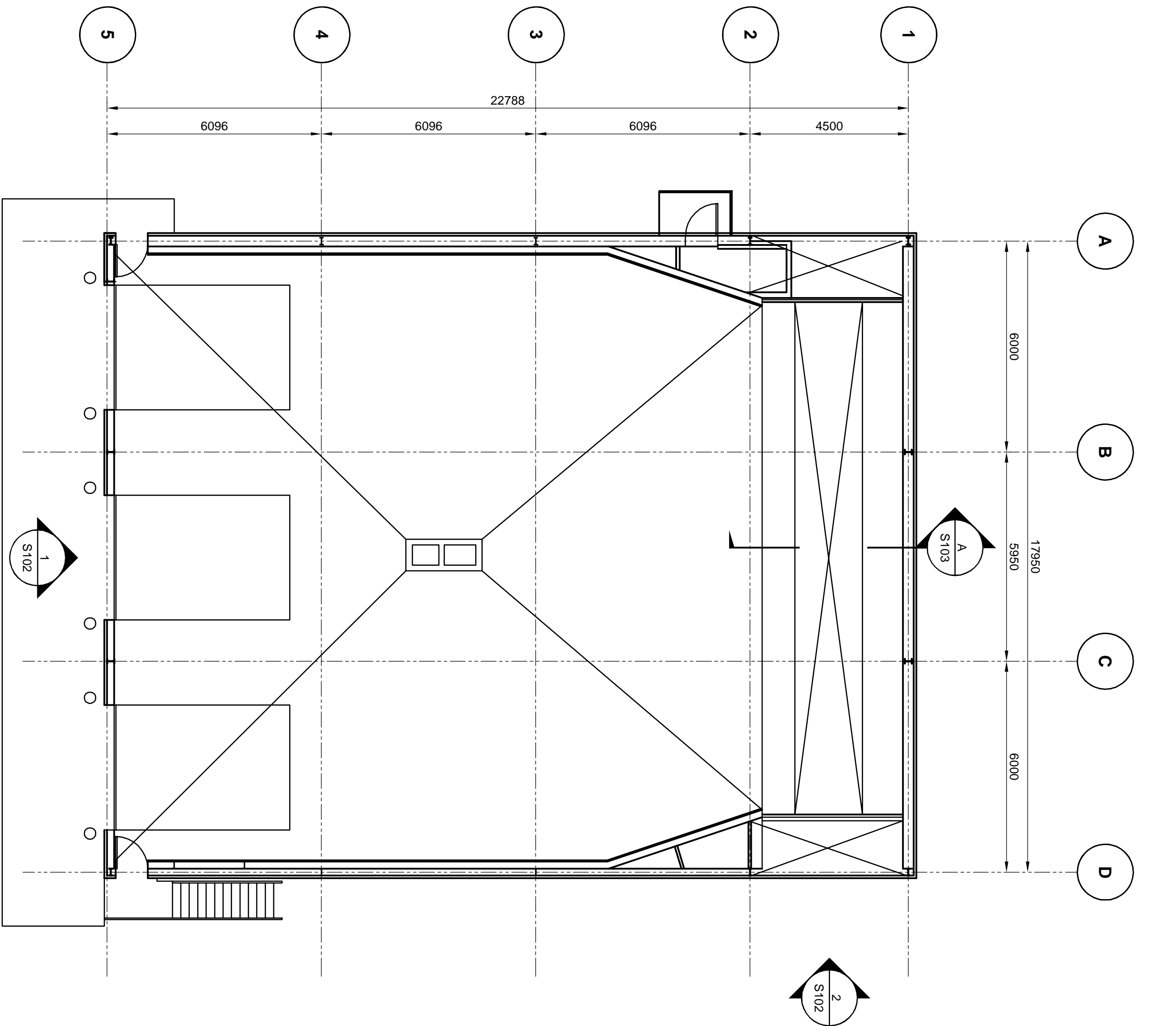
JASPER TRANSFER
STATION

Drawing title/Titre du dessin

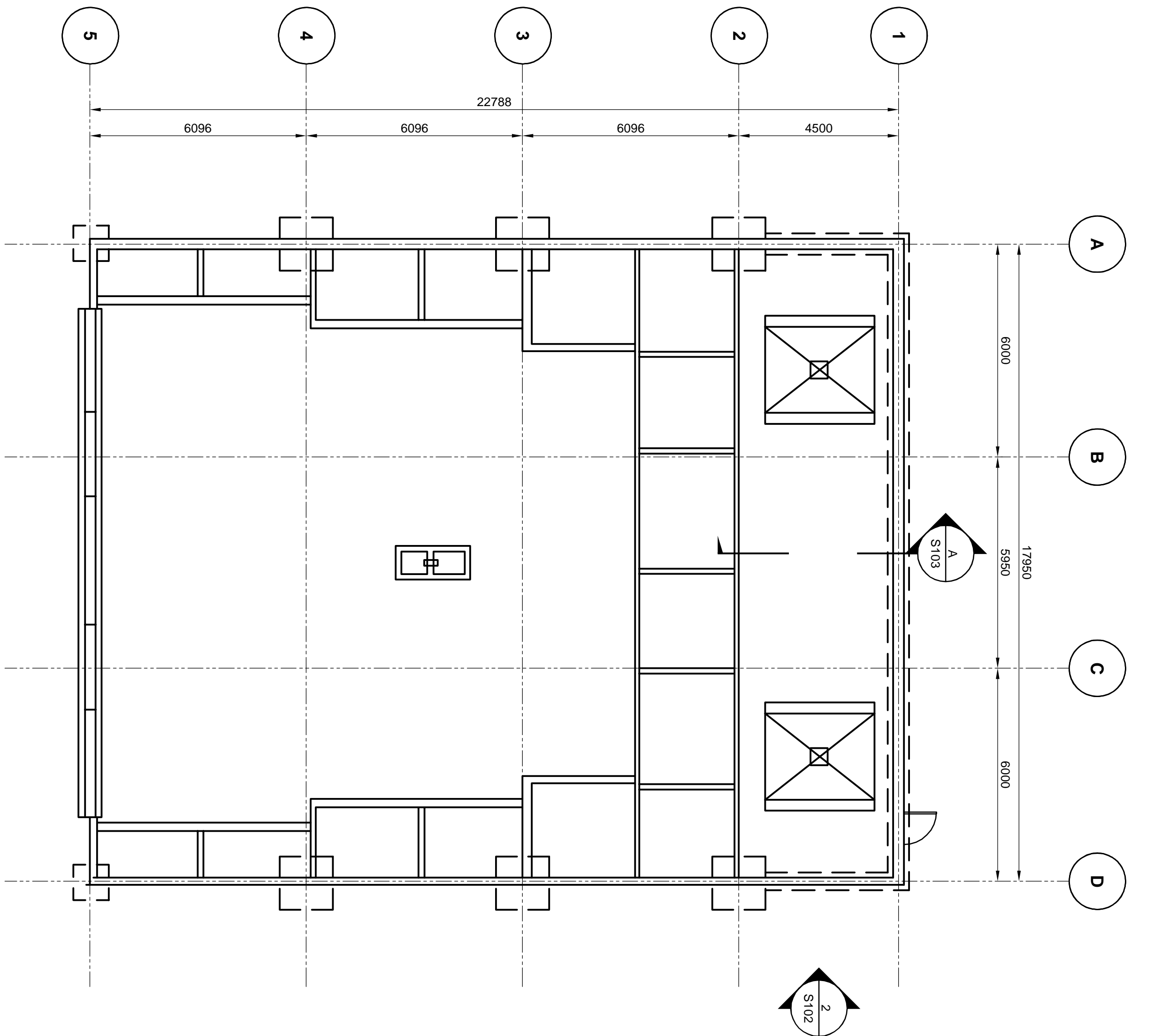
STRUCTURAL FLOOR
PLANS

Surveyed by/Arpenté par	EL	Drawn by/Dessiné par	Date
JMC		2016.04.04	
Designed by/Concepté par	JMC	Reviewed by/Revisé par	Scale/Echelle
			1:100
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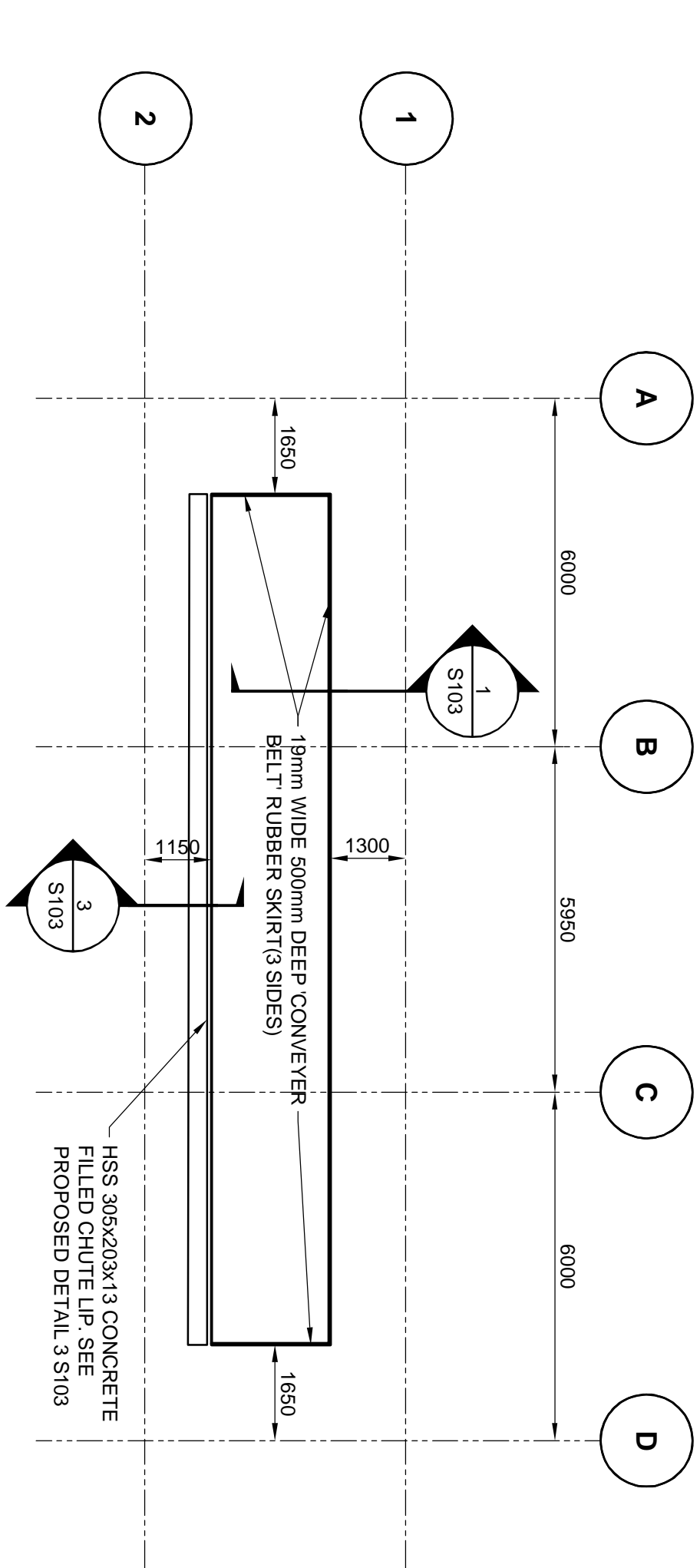
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60478620	-	S101
Drawing Set No./No de série du dessin		



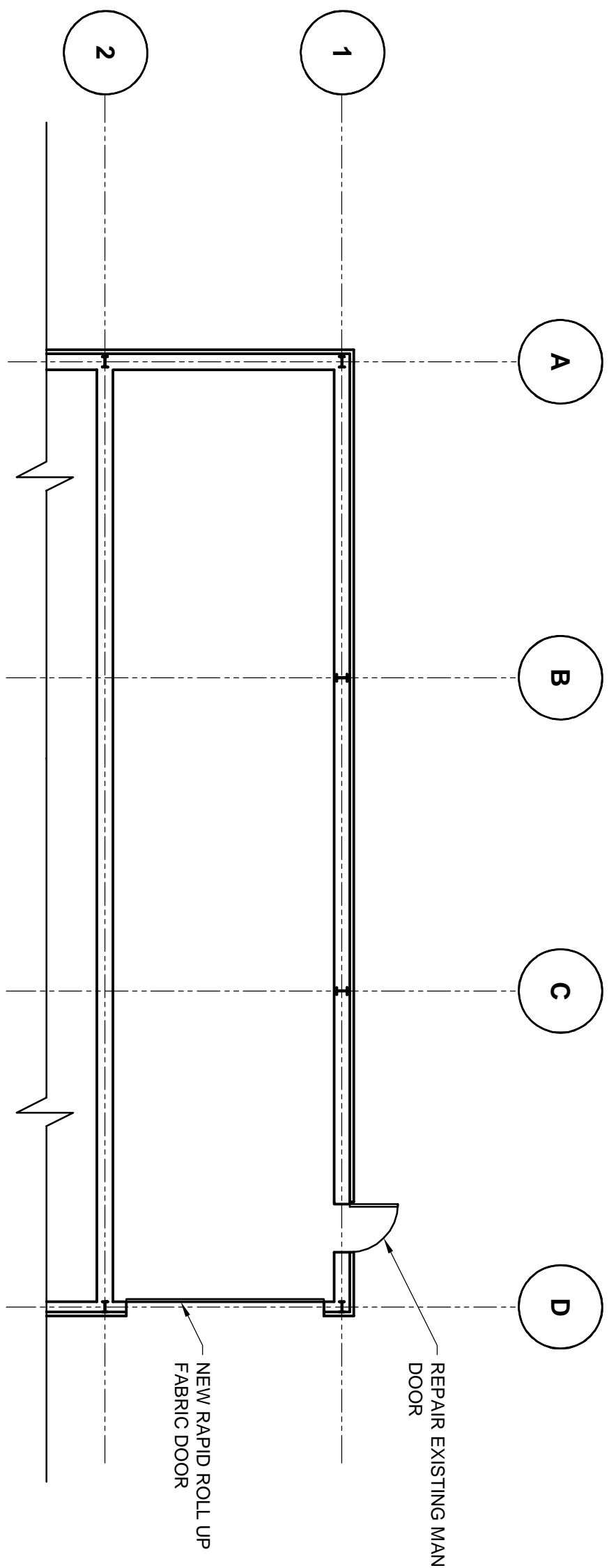
1 TIPPING FLOOR PLAN - EXISTING
S101 1:100



2 FOUNDATION & LOWER LEVEL PLAN - EXISTING
S101 1:100



3 PLAN OF CHUTE - PROPOSED
S101 1:100



4 LOWER LEVEL FLOOR PLAN - PROPOSED
S101 1:100



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Revision / Revision				
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A	Detail number		A Numero de detail	
	Sheet number		B Numero de la feuille	

Larger dimensions in millimetres		Dimensions linéaires en millimètres	
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Project title/Titre du projet
**JASPER TRANSFER
STATION**

Drawing title/Titre du dessin
**STRUCTURAL
SECTIONS AND
DETAILS**

Surveyed by/Aprimé par		Drawn by/Dessiné par		Date	
-		EL		2016.04.04	
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JMC		JMC		NOTED	
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Project No./No du projet		Asset No./No du bien		Sheet No./ Nbre de feuille	
604/8820		-		S103	
Drawing Set No./No de série du dessin				-	



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Unit of dimensions in millimetres
Unité de dimensions en millimètres

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STRUCTURAL
DETAILS

Surveyed by/Aproné par	EL	Drawn by/Dessiné par	Date
Designed by/Concepté par	JMC	Reviewed by/Revisé par	Scale/Echelle
JNC	NOTED		

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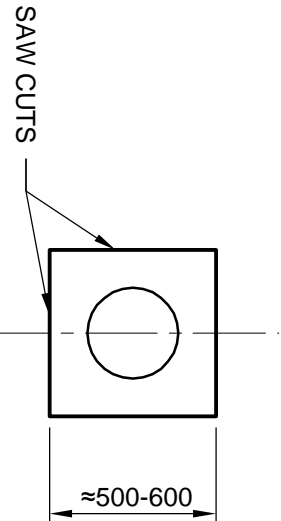
Project No./No du projet

Asset No./No de bien

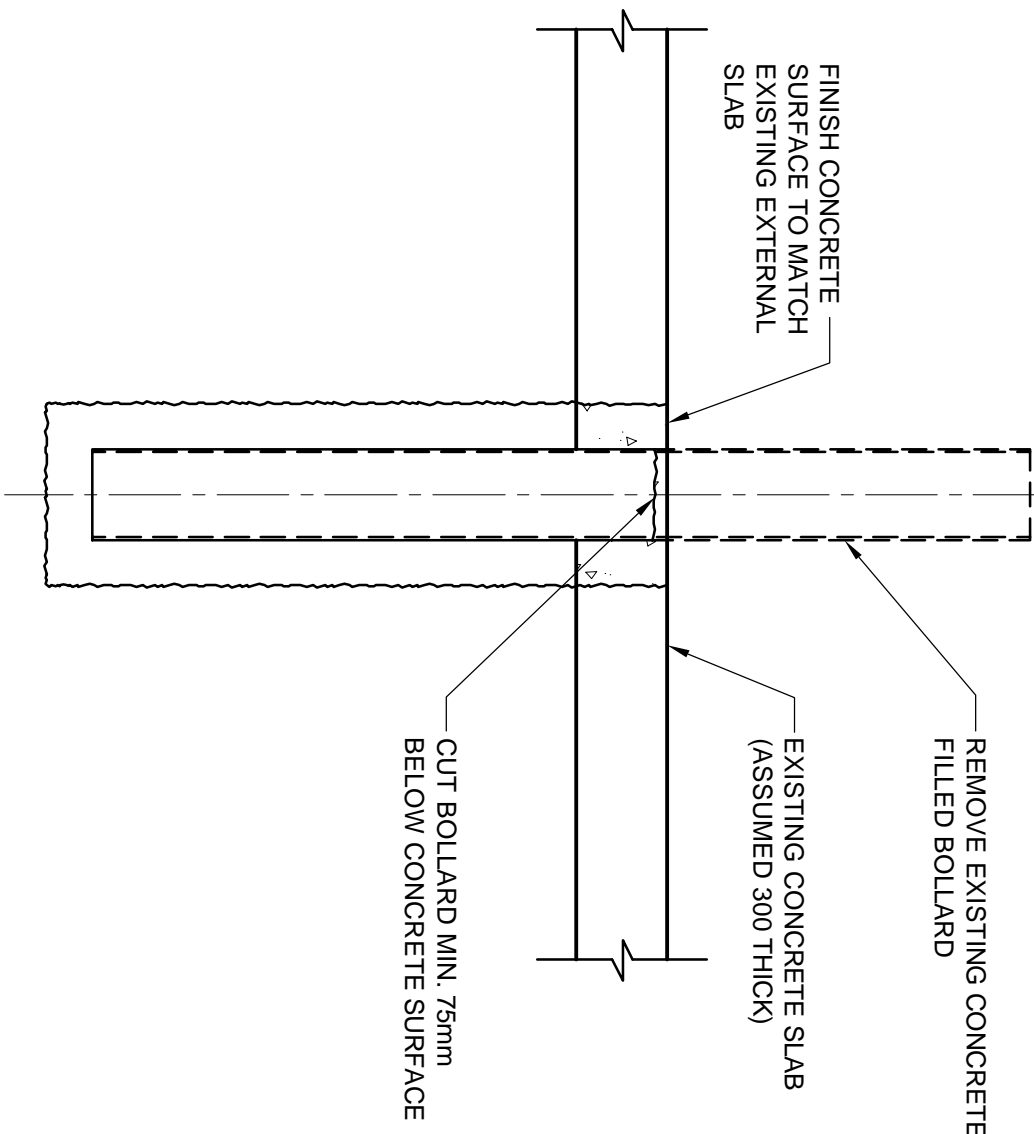
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Sheet No./
N° de la feuille

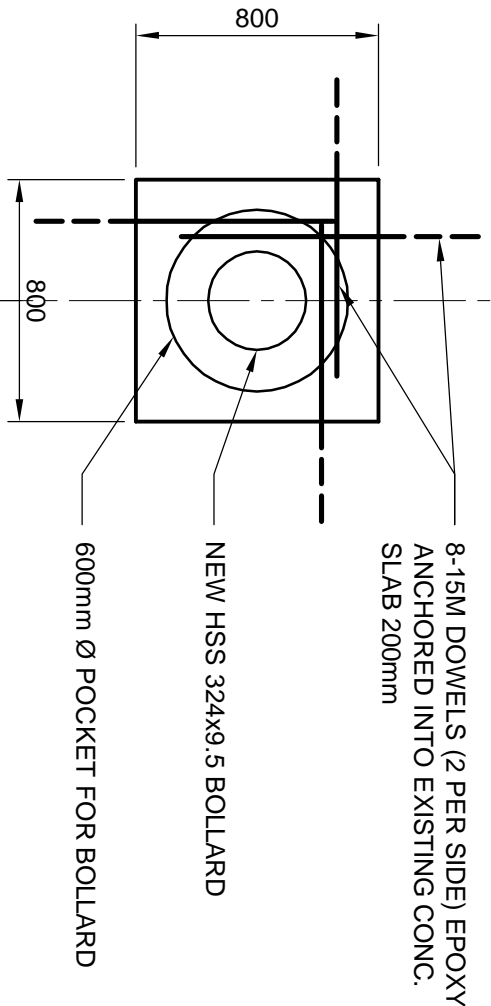
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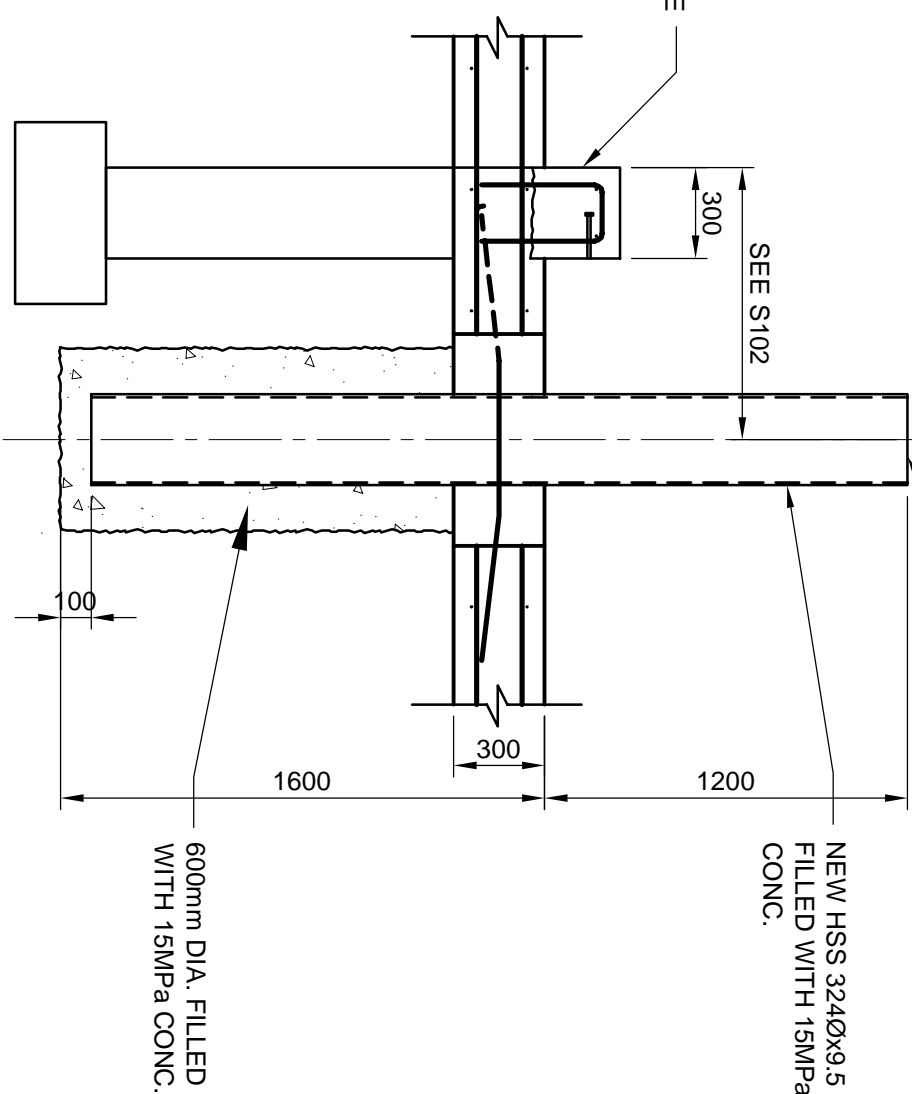
PLAN



SECTION

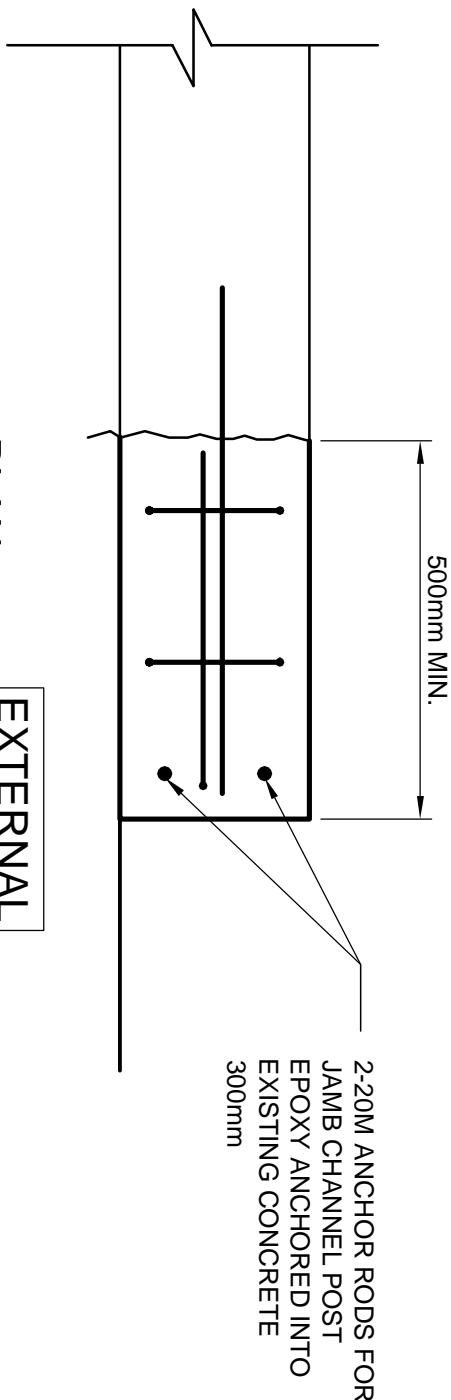


PLAN



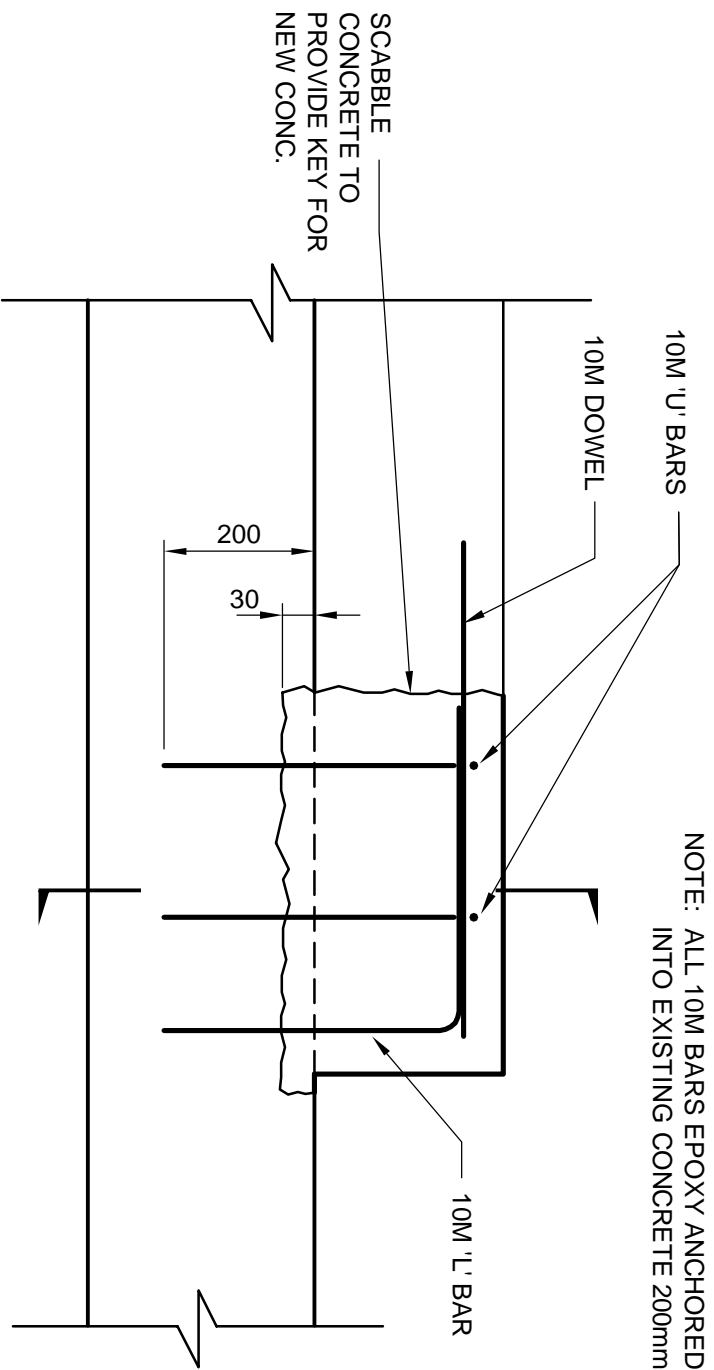
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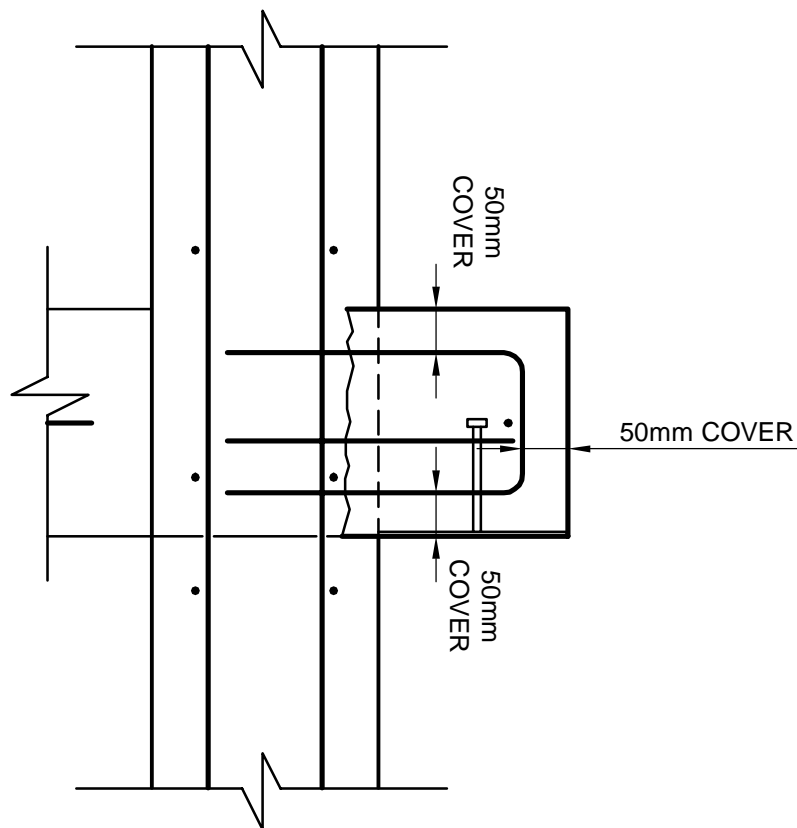


PLAN

EXTERNAL



NOTE: ALL 10M BARS EPOXY ANCHORED INTO EXISTING CONCRETE 200mm



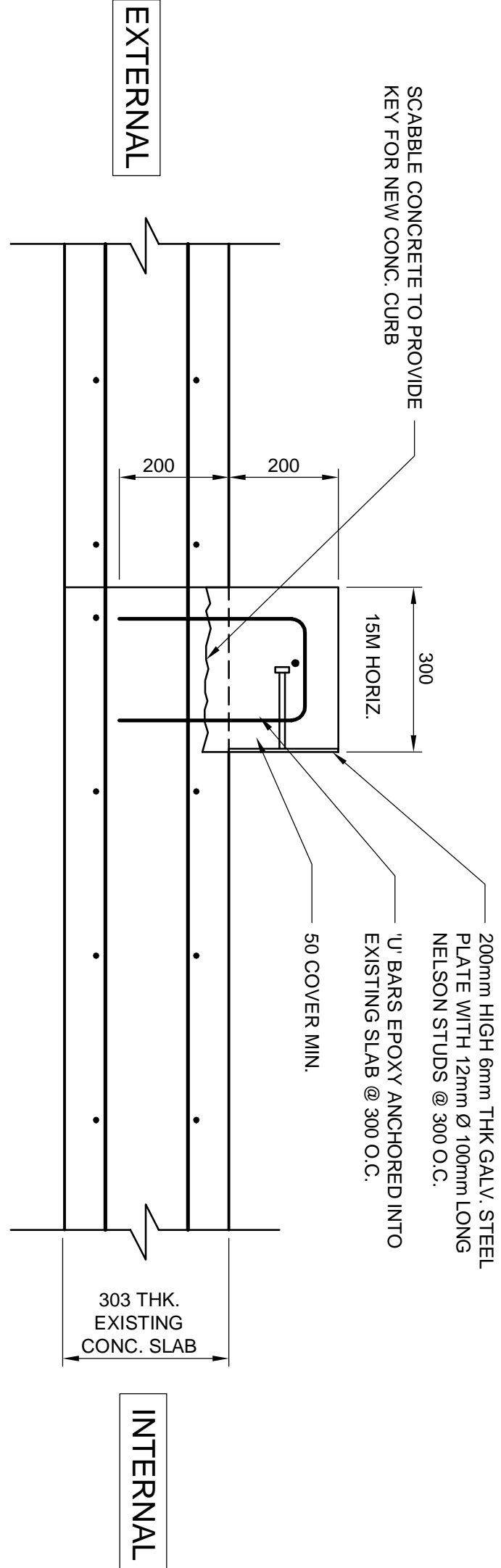
SECTION

ELEVATION

2A CONCRETE CURB REPAIR DETAIL

S104

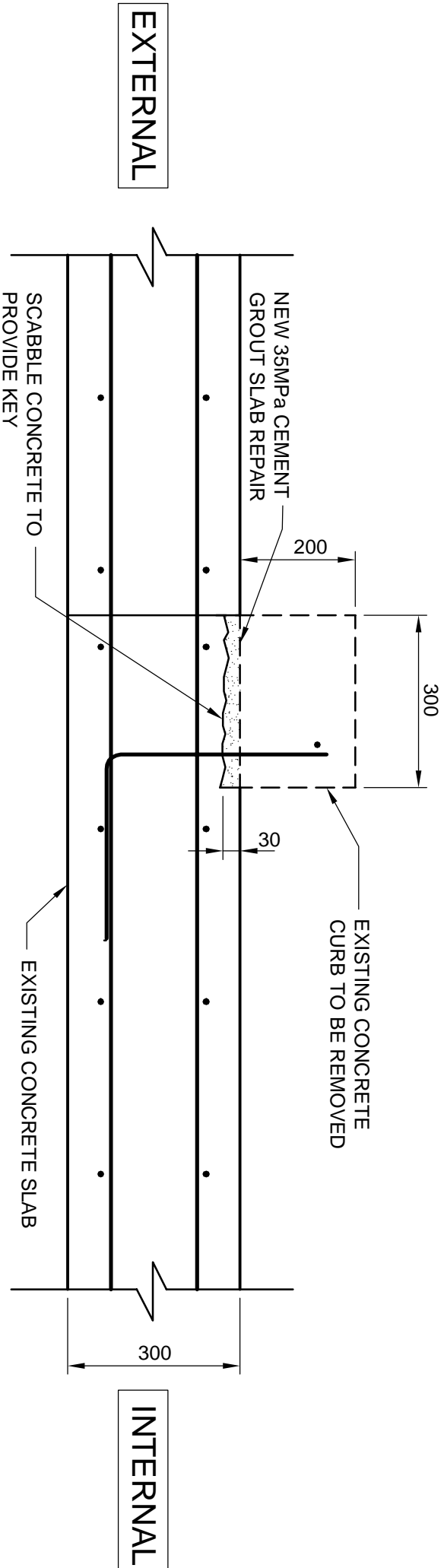
1:10



2B REMOVAL OF EXISTING CONCRETE CURB DETAIL

S104

1:10



1B NEW BOLLARD DETAIL (TYP. OF 4)

S104

1:25

1A REMOVAL DETAIL (TYP. OF 2)

S104

1:25



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	Grandeurs linéaires in millimètres	Grandeurs linéaires en millimètres		

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Projet titre/Titre du projet

JASPER TRANSFER
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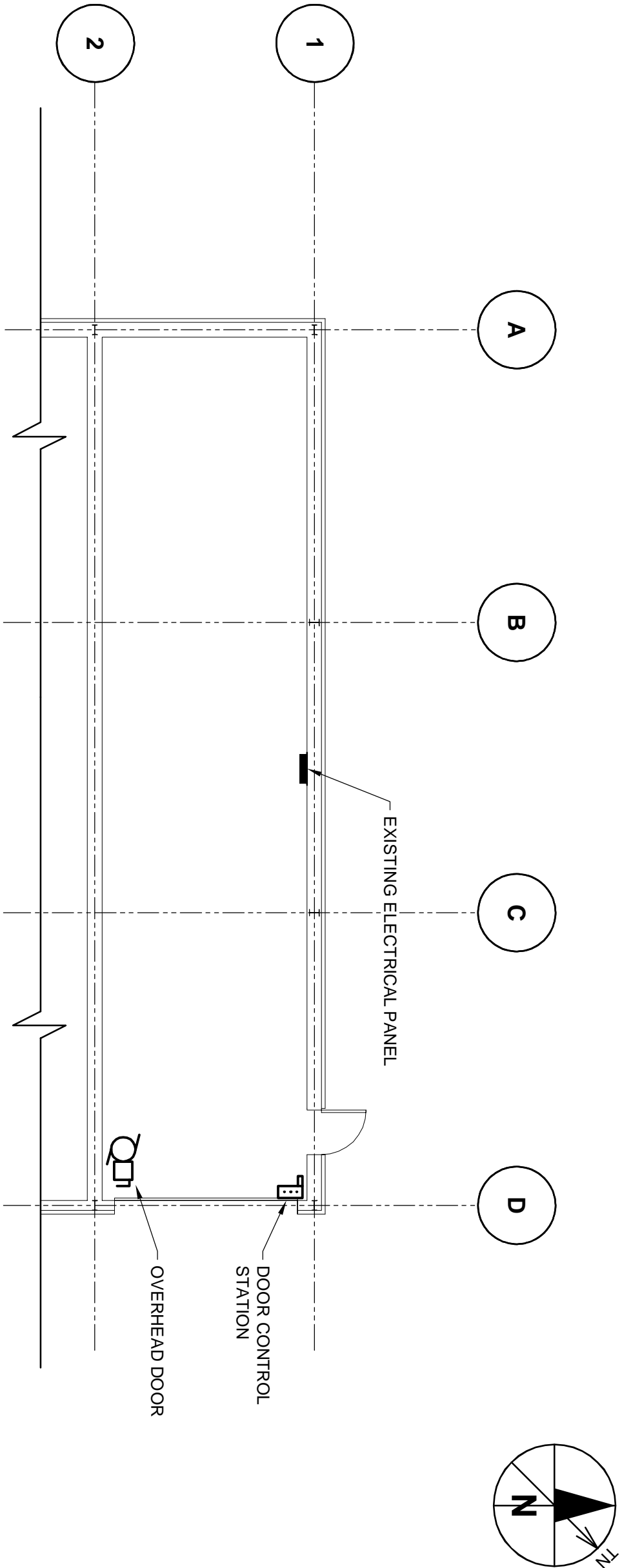
ELECTRICAL FLOOR
PLANS, DETAILS &
SCHEDULES

Drawn by/Dessiné par
EL
2016.04.04

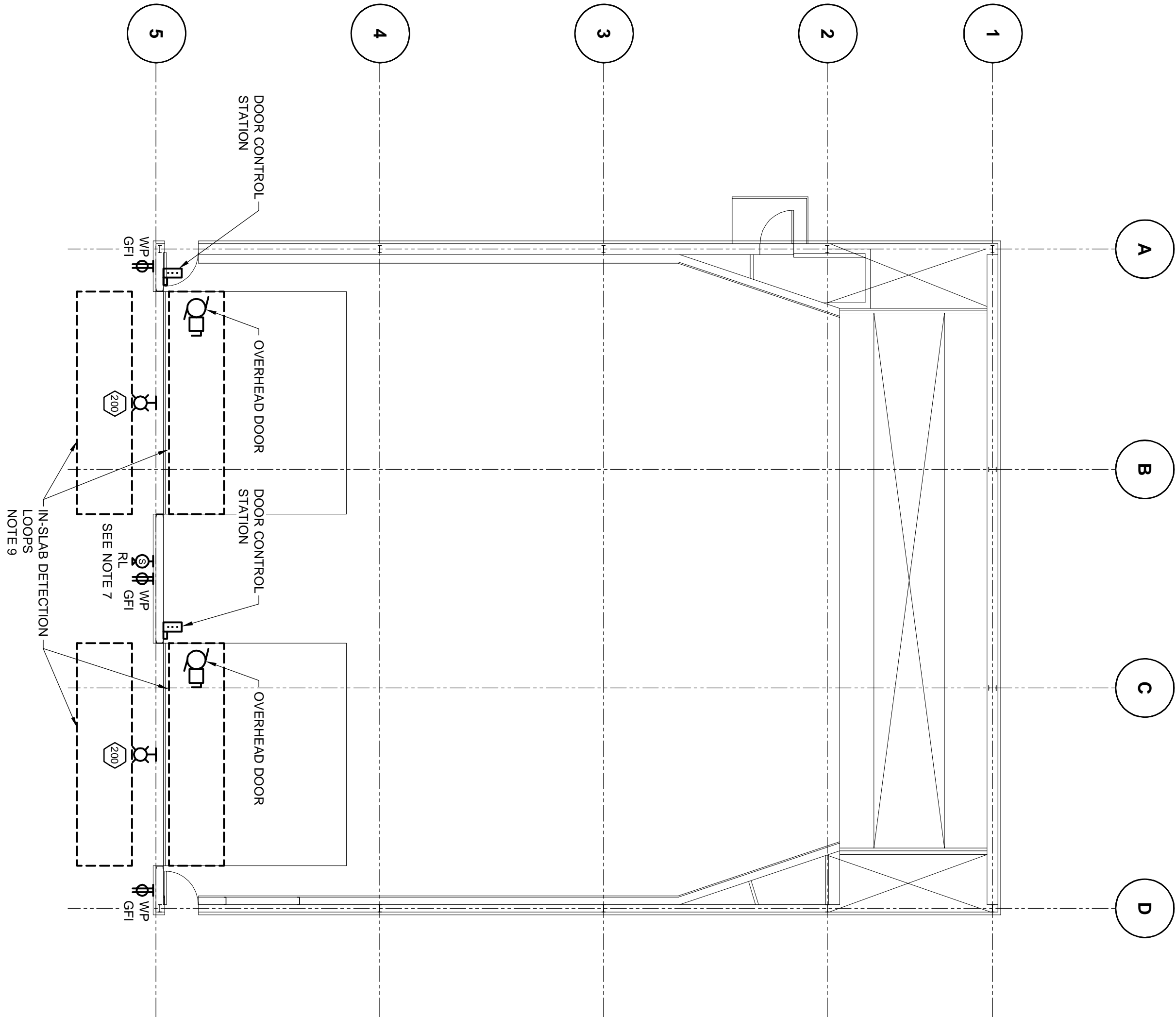
Designed by/Conçue par
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Scales/Echelle
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Project No./No du projet
60478820
Drawing Set No./No de série du dessin
Sheet No./
Niveau de feuille
E100



2 ELECTRICAL LOWER FLOOR PLAN
E100 1:100



1 ELECTRICAL FLOOR PLAN
E100 1:100

LUMINAIRE SCHEDULE					
TYPE	VOLTAGE	WATTAGE	LAMPS	NOMINAL SIZE	DIFFUSER
200	120V	400W	LED	-	BLACK
REMARKS			MANUFACTURER		
EXTERIOR WALL PACK, NIGHT SKY COMPLIANT C/W PHOTOCELL			COOPER OR APPROVED EQUAL		
CATALOGUE NUMBER			LDWP-FC-4A-120V-F1-PF-BK		

ELECTRICAL SYMBOL LEGEND

LIGHTING		POWER	
	WALL MOUNTED LUMINAIRE		DUPLEX RECEPTACLE
	LUMINAIRE TYPE		MOTOR
MISCELLANEOUS ABBRIVIATION/ACRONYMS			DISCONNECT SWITCH
			PANEL BOARD
			DOOR CONTROL STATION AND DETECTION CONTROLLER
SOUND SYSTEM		SOUND SYSTEM	
	WEATHERPROOF		SPEAKER - HORN
	EXISTING TO BE INSTALLED		
	GROUND FAULT CIRCUIT INTERRUPTER		

NOTES:

- ALL ELECTRICAL WORK TO BE PERFORMED IN ACCORDANCE WITH THE CURRENT CANADIAN ELECTRICAL CODE REQUIREMENTS.
- PROVIDE SAFE REMOVAL OF ALL ELECTRICAL PROVISIONS ALONG FRONT WALL OF BUILDING AS PART OF DEMOLITION SCOPE.
- PROVIDE ELECTRICAL SERVICE TO AND CONNECTION OF NEW OVERHEAD ROLL UP DOORS (TYPICAL OF 3). PROVIDE ALL CONTROL WIRING AS REQUIRED. COORDINATE ALL REQUIREMENTS WITH DOOR SUPPLIER.
- PROVIDE NEW EXTERIOR LED AREA LIGHTS ON SOUTH BUILDING FACE AT LOCATIONS SHOWN.
- PROVIDE NEW EXTERIOR GFI RECEPTACLES ON SOUTH BUILDING FACE AT LOCATIONS SHOWN.
- ALL NEW PROVISIONS TO BE SERVICED FROM EXISTING ELECTRICAL PANEL. REUSE EXISTING CIRCUITRY WHERE POSSIBLE. PROVIDE NEW CIRCUITRY AS REQUIRED.
- REMOVE AND REINSTALL EXISTING HORN ON SOUTH BUILDING FACE.
- WHERE DEMOLITION OF SOUTH FACE IMPACTS EXISTING ELECTRICAL SERVICES FEEDING EQUIPMENT/DEVICES IN OTHER AREAS, ALLOW FOR REROUTING AS REQUIRED TO MAINTAIN FULL OPERATION.
- PROVIDE TWO SEPARATE VEHICLE LOOP DETECTION SYSTEMS, ONE FOR EACH OVER HEAD DOOR AS SHOWN. THE DETECTION SYSTEM SHALL BE TURN-KEY / SYSTEM COMPLETE WITH IN-SLAB DETECTION LOOPS, TWO LOOP DETECTION CONTROLLERS RATED NEMA 4X, WIRING FOR POWER FEED AND INTERCONNECTION TO DOOR MOTORS.
- THE WORD "PROVIDE" SHALL MEAN THAT THE SO NOTED EQUIPMENT IS TO BE SUPPLIED, INSTALLED, CONNECTED, ADJUSTED, CALIBRATED, TUNED, CLEANED, COMMISSIONED, AND PLACED INTO FULL SERVICE.
- UPDATE EXISTING PANELBOARD DIRECTORY AND PROVIDE MARK UPS FOR NEW INSTALLATIONS.