

## SHEET LIST

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seal	seal
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permit

PRELIMINARY  
NOT FOR CONSTRUCTION

consultants	
ARCHITECTURAL:	the marc boudin architectural collaborative inc. jessie davidson architecture + planning
CIVIL:	ISL Engineering and Land Services
LANDSCAPE:	ISL Engineering and Land Services
STRUCTURAL:	Entuitive
MECHANICAL:	The AME Consulting Group Ltd.
ELECTRICAL:	Niemetz & Associates Ltd.



CITY OF CALGARY

project	
<div>VARSIY MULTI-SERVICE REDEVELOPMENT</div>	
location :	Project Address: 1740 32 Avenue NW, Calgary, AB Legal Address: Plan 11PMGC, Block 2 Lot 6
drawing title	
<div>PERMIT SCHEDULES</div>	

scale as noted	all dimensions are in millimeters	
drawn by Author	drawing no. A-001	
checked by Checker		
reviewed by	project no. 18004	



## Development Permit Plans

WALL NAME	TAG	FRR	UL/ULC	STC	DESCRIPTION	COMMENTS
CW1 - Exterior Curtain Wall	CW1	Not Rated			Firestop Curtain Wall Gaps Type A	
CW2 - Interior Curtain Wall	CW2	Not Rated			Aluminum Curtain Wall Gaps Type D 91mm Total Depth	
EW1 - Foundation - 250mm CP Concrete Wall	EW1				160mm Rigid Insulation 17mm Drainage Mat Waterproofing Membrane 250mm Concrete	Refer to Structural
EW2 - Brick Cladding - Wood Stud Wall	EW2	1 Hour F.R.R.			90mm Brick 25mm Air Gap 150mm Semi-Rigid Insulation Self-Adhered Air and Vapor Barrier Membrane 12.7mm Exterior Gypsum Sheathing 140mm Wood Stud 15.8mm Type X Gypsum Board	NBC 2019 - Alberta Edition: Appendix D Part D-2.3.
EW3 - Brick Cladding - Steel Stud Wall	EW3				90mm Brick 25mm Air Gap 150mm Semi-Rigid Insulation Self-Adhered Air and Vapor Barrier Membrane 12.7mm Exterior Gypsum Sheathing 150mm Steel Stud 12.7mm Gypsum Board	
EW5 - Fibre Cement Panels - Wood Stud Wall	EW5	1 Hour F.R.R.			10mm Fibre Cement Panel 19mm Furring Strips 150mm Mineral Wool Rigid Insulation Self-Adhered Air and Vapor Barrier Membrane 12.7mm Plywood 38mm x 140mm Wood Studs 15.8mm Type X Gypsum Wall Board	NBC 2019 - Alberta Edition: Appendix D Part D-2.3.
EW6 - Lower Wall	EW6				Lower: C/W Solid Backpan at Non-Opening Locations 150mm C-bit; C/W 150mm Semi-Rigid Insulation Self-Adhered Air and Vapor Barrier Membrane 12.7mm Exterior Gypsum Sheathing 90mm Steel Stud 12.7mm Gypsum Board	
EW7 - Brick Cladding - 194mm CMU Block Wall	EW7				90mm Brick 25mm Air Gap 150mm Semi-Rigid Insulation Self-Adhered Air and Vapor Barrier Membrane 194mm CMU Block	Refer to Structural
EW8 - Standing Seam Dog House	EW8				25mm Standing Seam Metal Panel 25mm Horizontal Z-Girt 150mm Rigid Mineral Wool Insulation Self-Adhered Air and Vapor Barrier Membrane 12.7mm Plywood 38mm x 140mm Wood Stud 25mm Air Gap 194mm Concrete Masonry Unit	Refer to Structural
EW9 - Fibre Cement Cladding	EW9				10mm Fibre Cement Panel 19mm Furring Strips 150mm Semi-Rigid Insulation Self-Adhered Air and Vapor Barrier Membrane	
EW10 - HR & Miss Brick Screen	EW10				90mm Brick (HR & Miss Application) Steel Structure (Refer to Structural)	
IW1a - 143mm CMU /Block Wall	IW1a	2 Hour F.R.R.			143mm Concrete Masonry Unit	
IW1b - 194mm CMU/Block Wall	IW1b	2 Hour F.R.R.			194mm Concrete Masonry Unit	
IW2a - 1 H.F.R.R. 92mm Steel Stud	IW2a	1 Hour F.R.R.			15.8mm Type X Gypsum Board 90mm Steel Stud	
IW3a - Acoustic 1 H.F.R.R. 92mm Steel Stud	IW3a	1 Hour F.R.R.	ULC Des W453	45	15.8mm Type X Gypsum Board 90mm Steel Stud, CW 25mm Mineral Wool Acoustic Batt Insulation	
IW3b - Acoustic 1 H.F.R.R. 152 Steel Stud	IW3b	1 Hour F.R.R.	ULC Des W453	49	15.8mm Type X Gypsum Board 90mm Steel Stud, C/W Mineral Wool Acoustic Batt Insulation	
IW4a - 2 H.F.R.R. S2 Steel Stud	IW4a	2 Hour F.R.R.	ULC L411	0	15.8mm Type X Gypsum Board 15.8mm Type X Gypsum Board 60mm Steel Stud 600mm o.c. 15.8mm Type X Gypsum Board 15.8mm Type X Gypsum Board 194mm Concrete Masonry Unit 38mm Vertical Hat Channel 15.8mm Gypsum Board	
IW5 - 194mm CMU Block Wall - Furring	IW5				380mm CP Channel 15.8mm Type X Gypsum Board	
IW6b - CP Concrete 300mm	IW6b	2 Hour F.R.R.			300mm CP Channel	Refer to Structural
IW7a - 1 Hr. F.R.R. Shearwall 89/140mm Double Wood Studs	IW7a	1 Hour F.R.R.	ULC Des W313 Configuration C	57	15.8mm Type X Gypsum Board 11mm OSB Sheathing 38mm x 140mm Wood Stud CW R12 Batt Insulation (Star Side) 25mm Air Gap 38mm x 89mm Wood Stud CW R12 Batt Insulation (Unit Side) 15.8mm Type X Gypsum Board	Refer to Structural
IW7b - 1 Hr. F.R.R. Shearwall 140mm Double Wood Studs	IW7b	1 Hour F.R.R.	ULC Des W313 Configuration C	57	15.8mm Type X Gypsum Board 11mm OSB Sheathing 38mm x 140mm Wood Stud CW R12 Batt Insulation (Star Side) 25mm Air Gap 38mm x 140mm Wood Stud CW R12 Batt Insulation (Unit Side) 15.8mm Type X Gypsum Board	Refer to Structural
IW8 - 1 H.F.R.R. Staggered 89mm Wood Studs	IW8	1 Hour F.R.R.	ULC Des U313	59	15.8mm Type X Gypsum Board (Condor Side) 15.8mm Type X Gypsum Board 11mm OSB Sheathing Two rows 38mm x 89mm Wood Studs staggered on 38mm x 140mm Wood Plates C/W 89mm Batt Insulation 15.8mm Type X Gypsum Board	Refer to Structural
IW9a - Shearwall 89 Wood Studs GWS Single Side	IW9a			0	15.8mm Type X Gypsum Board 11mm OSB Sheathing 38mm x 89mm Wood Stud	Refer to Structural
IW9b - Shearwall 140 Wood Studs GWS Single Side	IW9b			0	15.8mm Type X Gypsum Board 11mm OSB Sheathing 38mm x 140mm Wood Stud	Refer to Structural
IW10 - 89mm Wood Stud	IW10				12.7mm Gypsum Board 38mm x 89mm Wood Stud 12.7mm Gypsum Board	
IW11 - 1 Hr. F.R.R. 89mm Wood Stud	IW11	1 Hour F.R.R.	ULC W901	0	15.8mm Type X Gypsum Board 38mm x 89mm Wood Stud 15.8mm Type X Gypsum Board	
IW12 - Acoustic 89mm Wood Stud	IW12				15.8mm Gypsum Board 38mm x 89mm Wood Studs C/W Acoustic Batt Insulation 12.7mm Resilient Channel 15.8mm Gypsum Board	
IW13 - 1 Hr. F.R.R. Acoustic 140mm Wood Stud	IW13	1 Hour F.R.R.	UL U314	49	15.8mm Gypsum Board 38mm x 140mm Wood Studs C/W Acoustic Batt Insulation 12.7mm Resilient Channel 15.8mm Gypsum Board	Refer to Structural
IW15a - 89mm Wood Stud - GWS Single Side	IW15a			0	12.7mm Gypsum Board 38mm x 89mm Wood Stud	
IW15b - 140mm Wood Stud - GWS Single Side	IW15b				12.7mm Gypsum Board 38mm x 140mm Wood Stud	
IW16 - 2 H.F.R.R. Staggered 89mm Wood Studs	IW16	2 Hour F.R.R.	ULC Des U313	59	15.8mm Type X Gypsum Board (Condor Side) 15.8mm Type X Gypsum Board 11mm OSB Sheathing Two rows 38mm x 89mm Wood Studs staggered on 38mm x 140mm Wood Plates C/W 89mm Batt Insulation 15.8mm Type X Gypsum Board	Refer to Structural
IW17 - 2 Hr. F.R.R. 89mm Wood Stud	IW17	2 Hour F.R.R.	UL U301	0	15.8mm Type X Gypsum Board 38mm x 89mm Wood Stud 400mm O/C 15.8mm Type X Gypsum Board 15.8mm Type X Gypsum Board	
IW18 - Acoustic 140mm Wood Stud - GWS Single Side	IW18	1 Hour F.R.R.		60	15.8mm Type X Gypsum Board 38mm x 140mm Wood Stud C/W Batt Insulation 12.7mm Resilient Metal Channels Spaced 600 o.c. 15.8mm Type X Gypsum Board 15.8mm Type X Gypsum Board	NBC 2019 - Alberta Edition: Appendix D Part D-2.3. Refer to Structural STC is determined in combination with INS8
IW19 - 190mm CMU Block Wall - 152mm Steel Stud	IW19				194mm CMU 150mm Steel Stud 15.8mm Gypsum Wall Board	
IW20 - Gypsum Board Furring - Wood Framing	IW20				12.7mm Gypsum Board 38mm x 89mm Wood Stud	

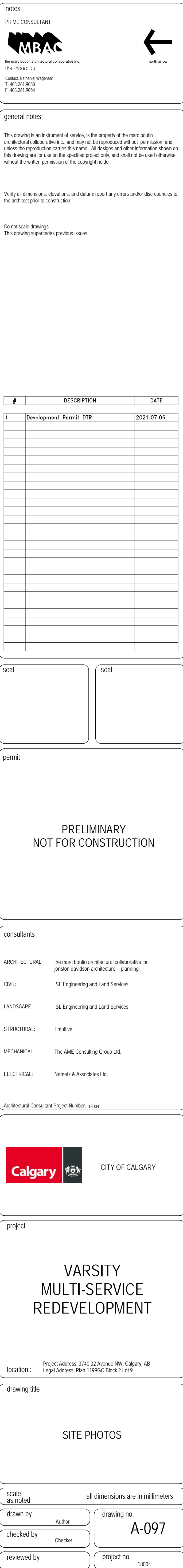
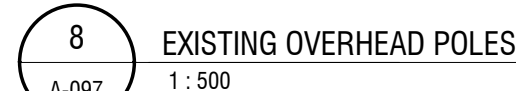
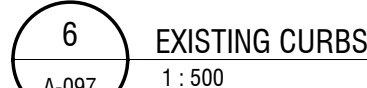
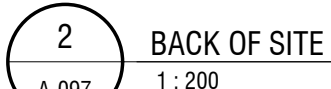
CEILING ASSEMBLIES					
CEILING NAME	TAG	U/L/ULC	Fire Rating	DESCRIPTION	COMMENTS
C1 - Wood Ceiling	C1			Heavy Duty 1/4" Laminar Wood Grls (75mm x 19mm Stabs)	
C2 - Suspended Gypsum Wall Board - Steel Framing	C2			41 Steel Stud 22mm Furring Channel 12.7mm Gypsum Ceiling Board	
C3b - Suspended Gypsum Wall Board - Wood Framing	C3b			38mm Wood Framing 12.7mm Gypsum Ceiling Board	
C4 - Acoustic Ceiling	C4			610mm x 450mm Acoustic Ceiling Tile Suspension System	
C6 - 1 Hr F.R.R. Ceiling Membrane	C6		1 Hour F.R.R.	12.7mm Resilient Chorus 15.9mm Type X Gypsum Board 15.9mm Type X Gypsum Board	Refer to Ceiling Note 1 NBC 2019 - Alberta Edition: Appendix D Table D-2.3-12.

ROW	NAME	TAG	FIR	UL/ILC	DESCRIPTION	COMMENTS
R1	SBS Roof Wood Structure	R1			2 Ply SBS Roofing Membrane 12.7mm Insulation Overlay Board 250mm Tapered Rigid Mineral Wool 50mm Polystyrene Vapour Retarder Membrane, Adhere to Roof Deck Sheathing 15.9mm Plywood 1.0 Joists (refer to Structural)	
R2	SBS Roof OWSs	R2			2 Ply SBS Roofing Membrane 12.7mm Insulation Overlay Board 250mm Tapered Rigid Mineral Wool 100mm Polystyrene Vapour Retarder Membrane, Adhere to Roof Deck Sheathing Roof Deck Sheathing Metal Deck (refer to Structural) OWSs (refer to Structural)	
R3	SBS Roof Wide Flange	R3			2 Ply SBS Roofing Membrane 12.7mm Insulation Overlay Board 175mm Tapered Rigid Mineral Wool 125mm Polystyrene Vapour Retarder Membrane, Adhere to Roof Deck Sheathing Roof Deck Sheathing Metal Deck (refer to Structural) Wide Flange (refer to Structural)	
R4	Standing Seam Metal Panel Roof	R4			25mm Standing Seam Metal Panel 25mm 2x6i 2 Ply SBS Roofing Membrane 12.7mm Plywood 200mm Slope Rigid Mineral Wool Insulation 100mm Polystyrene Vapour Retarder Membrane, Adhere to Roof Deck Sheathing 12.7mm Plywood 38mm x 255mm Wood Joists	Refer to Structural
R5	Composite Deck	R5			38mm Composite/PVC Deck Boards Adjustable Fasteners	

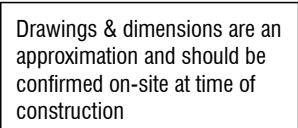
FLOOR NAME	TAG	FRR	UL/ULC	STC	DESCRIPTION	COMMENTS
F1 - F1 - C.I.P. Concrete 125mm Slab on Grade	F1				125mm C.I.P. Concrete Slab-On-Grade Polyethylene Vapor Barrier 100mm Rigid Insulation	125mm Concrete; Refer to Structural Radon Vapor Barrier Membrane 100mm Rigid Insulation 150mm Gypsum Compacted Subgrade; Refer to Geotechnical
F2 - C.I.P. Concrete 200mm Slab - Heated	F2				150mm Concrete Topping 100mm Rigid Insulation 200mm C.I.P. Concrete Slab-On-Grade Polyethylene Vapor Barrier 100mm Rigid Insulation 150mm Compact Gravel	Refer to Structural
F3 - 38mm Metal Deck	F3	1 Hr.			150mm Gypsum (refer to Structural) 38mm Metal Deck (refer to Structural)	
F4 - 38mm Metal Deck	F4	2 Hr.			150mm CP Concrete (refer to Structural) 38mm Metal Deck (refer to Structural)	
F5 - 76mm Metal Deck	F5	1 Hr.			89mm CP Concrete (refer to Structural) 76mm Metal Deck (refer to Structural)	
F7 - 18" T&B - Gypsum Topping	F7	Refer to C6		57	38mm Gypsum 6mm Acoustic Mat 16mm OSB Sheathing 405mm T&B Joists C/W Mineral Wool Batt Insulation	Refer to Structural
F8 - 38mm x 235mm Joists - Gypsum Topping	F8	Refer to C6		55	38mm Gypsum 6mm Acoustic Mat 16mm OSB Sheathing 38mm x 235mm Wood Joists C/W Mineral Wool Batt Insulation	Refer to Structural

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notes


PRIME CONSULTANT



the mcam boudin architectural collaborative inc.

the mbac co

Contact: Nathaniel Nguyen  
T. 402.261.9950  
F. 402.261.9954



north arrow

Do not scale drawings.  
This drawing supersedes previous issues.

[illegible]


Seal	Seal
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permit

PRELIMINARY  
NOT FOR CONSTRUCTION

consultants	
ARCHITECTURAL:	the mart; boudin architectural collaborative inc. jorston division architecture + planning
CIVIL:	ISL Engineering and Land Services
LANDSCAPE:	ISL Engineering and Land Services
STRUCTURAL:	Enlève
MECHANICAL:	The AME Consulting Group Ltd
ELECTRICAL:	Niemetz & Associates Ltd.

Architectural Consultant Project Number: 10004

**Calgary**  CITY OF CALGARY

project :

**VARSITY  
MULTI-SERVICE  
REDEVELOPMENT**

location :

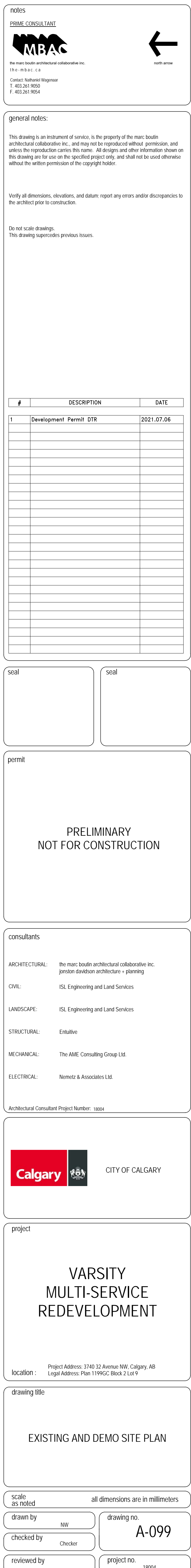
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drawing title

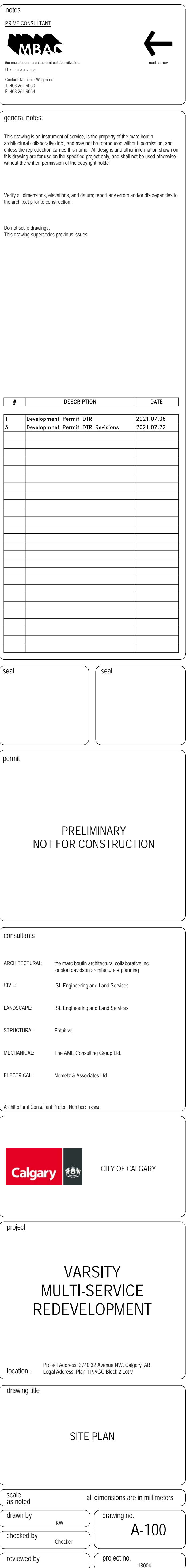
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checked by Checker		
reviewed by	project no. 18004	



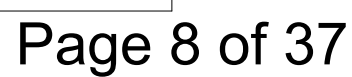








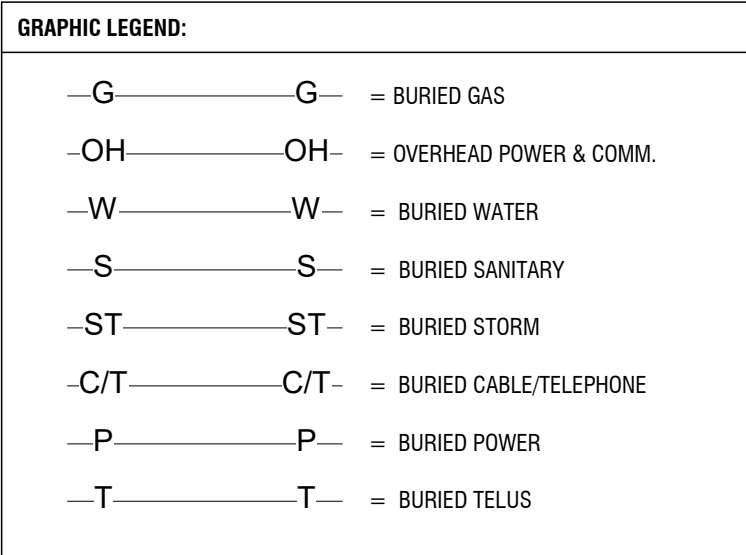
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reviewed by	project no. 18004	











Verify all dimensions, elevations, and datum; report any errors and/or discrepancies to the architect prior to construction.

Do not scale drawings.  
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PRELIMINARY  
NOT FOR CONSTRUCTION

consultants	
ARCHITECTURAL:	the marc boulin architectural collaborative inc. jordan davidson architects + planning
CIVIL:	ISL Engineering and Land Services
LANDSCAPE:	ISL Engineering and Land Services
STRUCTURAL:	Enthuthe
MECHANICAL:	The AME Consulting Group Ltd.
ELECTRICAL:	Niemetz & Associates Ltd.

Architectural Consultant Project Number: 10004



project

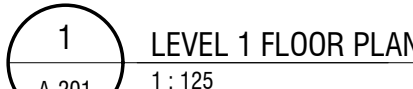
**VARSITY  
MULTI-SERVICE  
REDEVELOPMENT**

location : Project Address: 3740 32 Avenue NW, Calgary, AB  
Legal Address: Plan 1199GC Block 2 Lot 9

LEVEL 0 FLOOR PLAN

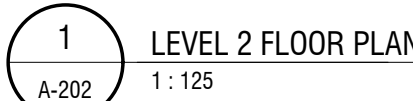
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reviewed by		project no. 18004	





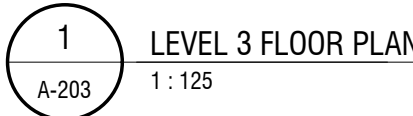
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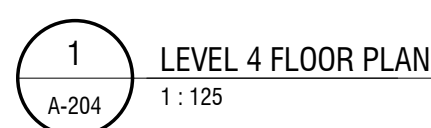
reviewed by	project no. 18004
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reviewed by	project no. 18004
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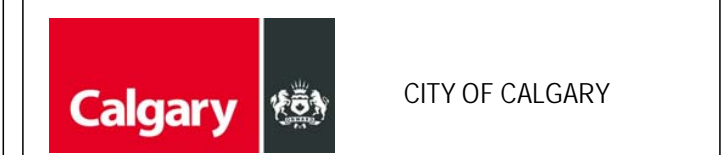
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PRELIMINARY  
NOT FOR CONSTRUCTION

consultants	
ARCHITECTURAL:	the nars south architectural collaborative inc. jordan and/orso architect + planning
CIVIL:	ISL Engineering and Land Services
LANDSCAPE:	ISL Engineering and Land Services
STRUCTURAL:	Emtette
MECHANICAL:	The AME Consulting Group Ltd.
ELECTRICAL:	Niemetz & Associates Ltd.
Architectural Consultant Project Number: 10506	



project

**VARSITY  
MULTI-SERVICE  
REDEVELOPMENT**

location : Project Address: 3740 32 Avenue NW, Calgary, AB  
Legal Address: Plan 174962C, Block 2 Lot 9

drawing title

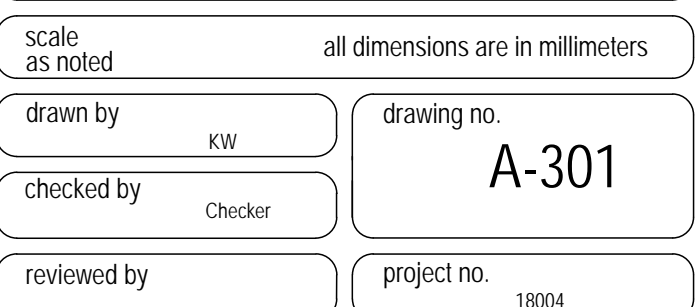
LEVEL 4 FLOOR PLAN & LEVEL 5  
ROOF PLAN

scale as noted	all dimensions are in millimeters	
drawn by KW	drawing no. A-204	
checked by Checker		
reviewed by	project no. 18004	



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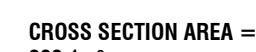




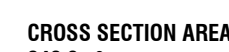


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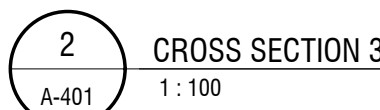
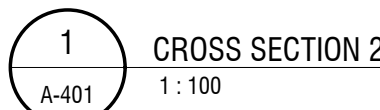
## SECTION 1



## SS SECTION 1

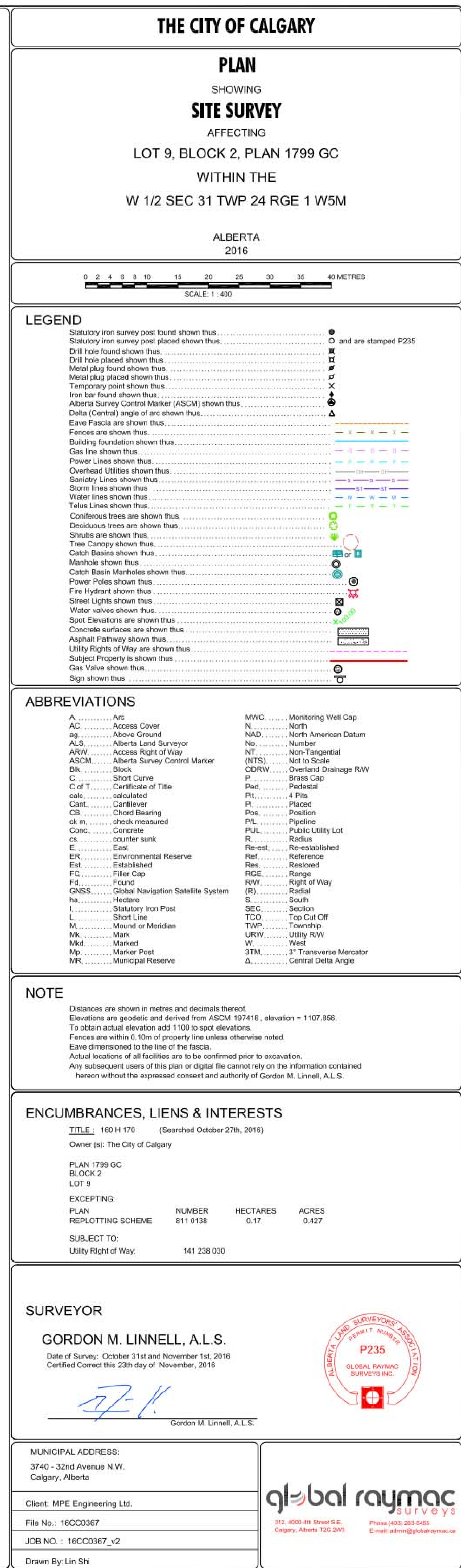
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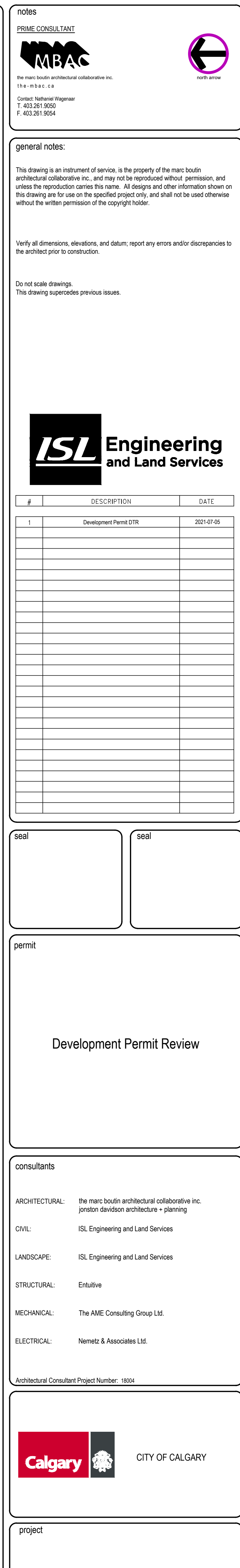
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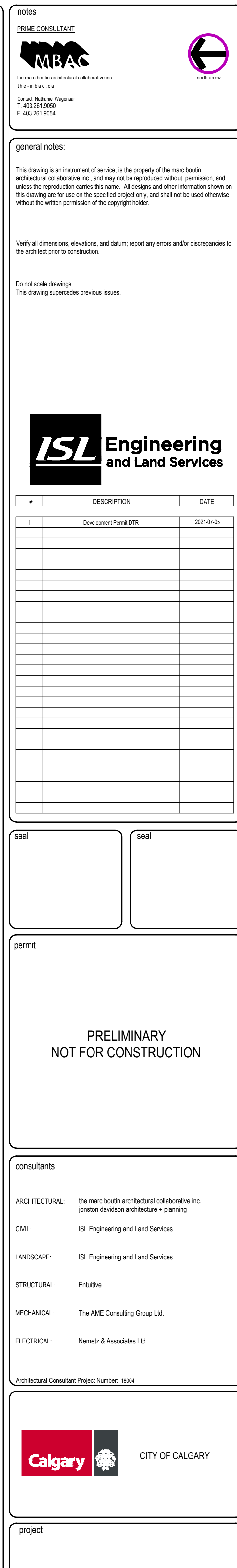
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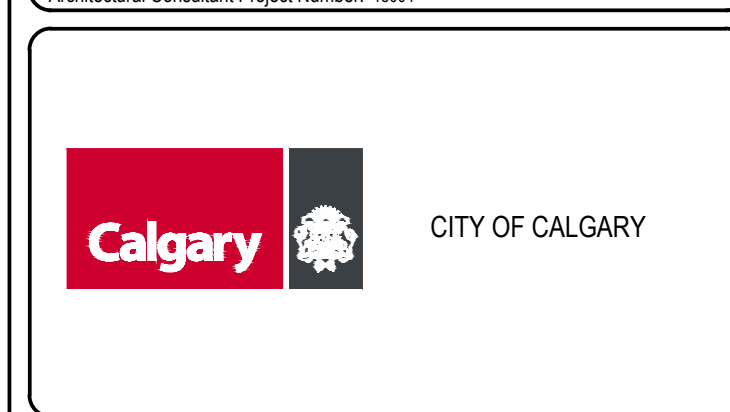
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permit















PRELIMINARY  
NOT FOR CONSTRUCTION

consultants	
ARCHITECTURAL:	the marc boutin architectural collaborative inc. proton development architecture + planning
CIVIL:	ISL Engineering and Land Services
LANDSCAPE:	ISL Engineering and Land Services
STRUCTURAL:	Entuitive
MECHANICAL:	The AME Consulting Group Ltd.
ELECTRICAL:	Nemetz & Associates Ltd.

Architectural Consultant Project Number: 18004

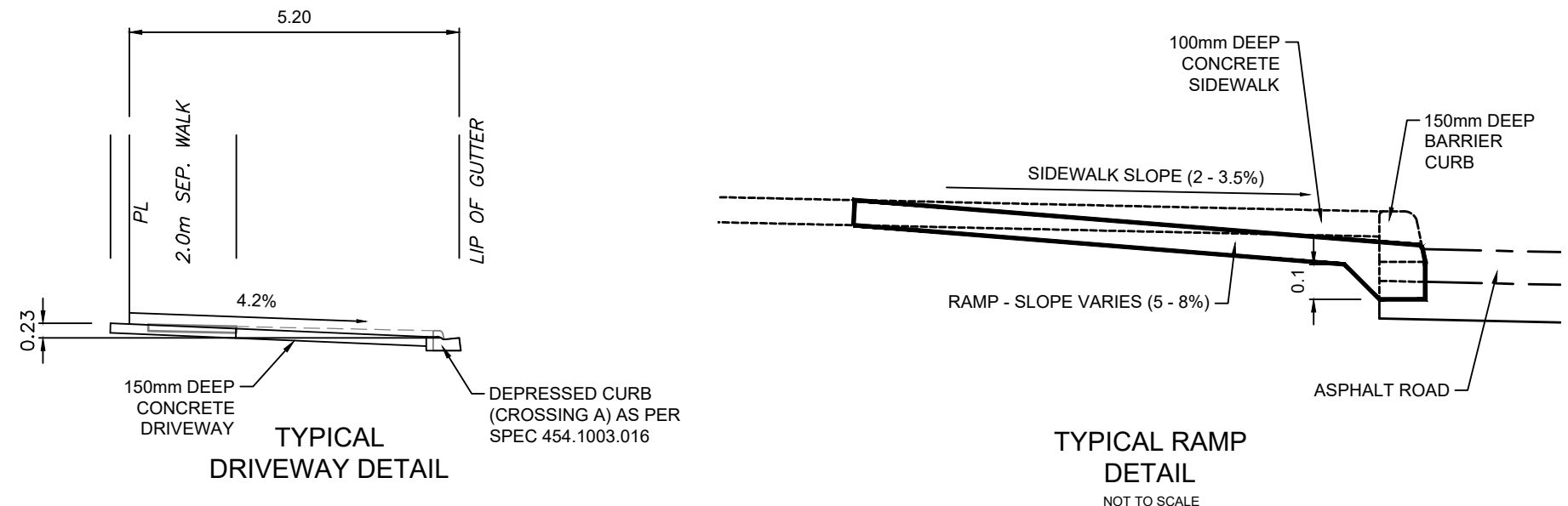


project	
Varsity Multi-Purpose Building	
location : 3740 32 Avenue NW	
drawing title	
SITE GRADING PLAN	
scale 1:200	all dimensions are in meters
drawn by 09-12-2019 JH	drawing no. C-200
checked by 03-12-2019 CZH	
reviewed by GD	project no. 18/004

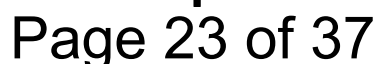
- LEGEND:**
-  DEVELOPMENT BOUNDARY
  -  EXISTING CONTOUR ELEVATIONS
  -  PROPOSED CONTOUR ELEVATION
  -  PROPOSED PARKING LINES
  -  EXISTING CURB AND GUTTER
  -  PROPOSED 0.15 HIGH BARRIER
  -  PROPOSED EDGE OF ASPHALT
  -  EXISTING EDGE OF ASPHALT
  -  PROPOSED GRASS SWALE
  -  EXISTING STREET LIGHT
  -  EXISTING POWER POLE
  -  EXISTING SPOT ELEVATION  
x 6.3
  -  PROPOSED SPOT ELEVATION  
x 6.80
  -  HEAVY DUTY PAVEMENT

- NOTES:
1. EXISTING AND PROPOSED CONTOUR ELEVATIONS ARE METRIC GEODETIC. ALL OTHER ELEVATIONS ARE METRIC GEODETIC LESS 1100.
  2. REFER TO LANDSCAPE, ELECTRICAL, STRUCTURAL, MECHANICAL DRAWINGS FOR DETAILS.
  3. ALL SURFACE GRADES SUBJECT TO CONFORMANCE IN FIELD TO CONSTRUCTION, MAINTENANCE AND TO THE ENGINEER AT PERMITTER.
  4. ALL CONSTRUCTION TO MEET THE CITY OF CALGARY DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS.
  5. RESPONSIBILITY IS IMPLIED OR ASSUMED BY THE ENGINEER / ARCHITECT AS TO THE LOCATION AND ELEVATION OF UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXISTENCE AND LOCATION OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR NOTIFYING THE VARIOUS UTILITY COMPANIES FOR THIS SITE PRIOR TO COMMENCEMENT OF ANY GRADING. PROJECT ENGINEER / ARCHITECT WITH COPY OF ALL LOCATE REPORTS.
  6. CONTRACTOR TO VERIFY ALL QUANTITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER / ARCHITECT OF ANY DISCREPANCIES.
  7. CONTRACTOR IS TO ENSURE AN "ISSUED FOR CONSTRUCTION" SET OF DRAWINGS IS OBTAINED AT THE START OF WORK.
  8. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
  9. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL NECESSARY CLEAN UP AND TO MAINTAIN A SAFE CONSTRUCTION SITE AT ALL TIMES.
  10. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL AND PREVENTING TRACKING OFF SITE DURING TOURS OF CONSTRUCTION.
  11. CONTRACTOR RESPONSIBLE FOR HAULING OF ALL EXCESS ROCKS, SOILS, ASPHALT, MUD, ETC.
  12. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING LANDSCAPED AREAS, PAVEMENT, CONCRETE, UTILITIES AND ANY OTHER ITEMS OF AREA TO BE REMOVED. RESTORATIONS AND REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE AND TO THE SUFFICE OF THE ENGINEER / ARCHITECT'S SATISFACTION.
  13. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND REGULATORY APPROVALS INCLUDING ANY AND ALL NECESSARY TO COMPLETE THIS CONTRACT.
  14. HEAVY DUTY ASPHALT SHALL BE CAPABLE OF SUPPORTING A 30-50kN / 60-000 lb LOAD, AND THE WPA 1901 3000 lb LOAD OF 517KPa over a 24" x 24" AREA.
  15. ALL GRADING SHALL BE TO A FINISH GRADE FROM THE TOP OF CURB TO THE EXISTING PROPERTY LINE.
  16. ARCHITECT'S DRAWINGS FOR BARRIER FREE RAMP PLANT.
- | PAVEMENT STRUCTURE |                                  |                          |                          |
|--------------------|----------------------------------|--------------------------|--------------------------|
|                    | MATERIAL                         | LIGHT-DUTY TRAFFIC AREAS | HEAVY-DUTY TRAFFIC AREAS |
|                    | ASPHALTIC CONCRETE PAVEMENT      | 80                       | 130                      |
|                    | 25mm GRANULAR FILL (BASE COURSE) | 150                      | 150                      |
|                    | 25mm CRUSHED (SUBBASE COURSE)    |                          | 400                      |

PAVEMENT STRUCTURE		
MATERIAL	LIGHT-DUTY TRAFFIC AREAS	HEAVY-DUTY TRAFFIC AREAS
ASPHALTIC CONCRETE PAVEMENT	80	130
25mm CRUSHED GRAVEL (BASE COURSE)	150	150
75mm GRANULAR (SUBBASE COURSE)	300	400



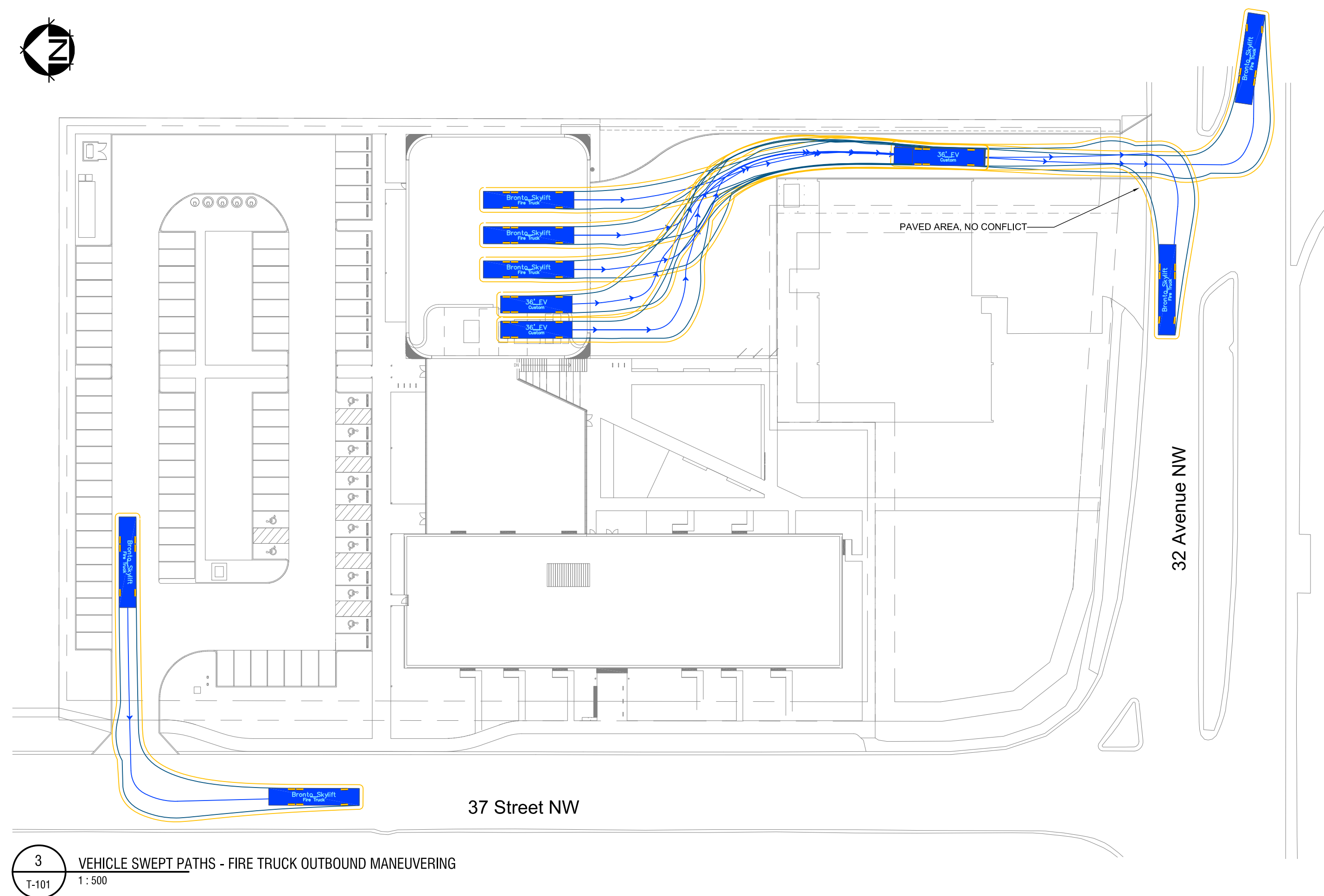










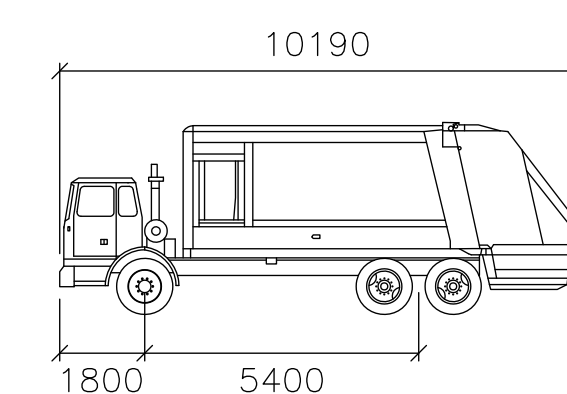


	mm		mm
Width	: 2600	Width	: 2600
Track	: 2600	Track	: 2600
Lock to Lock Time	: 6.0	Lock to Lock Time	: 6.0
Steering Angle	: 47.3	Steering Angle	: 47.3

———— 0.6m clearance from vehicle body




## Design Vehicle



CofC Waste Collection

	mm
Width	: 3150
Track	: 2600
Lock to Lock Time	: 6.0
Steering Angle	: 26.8

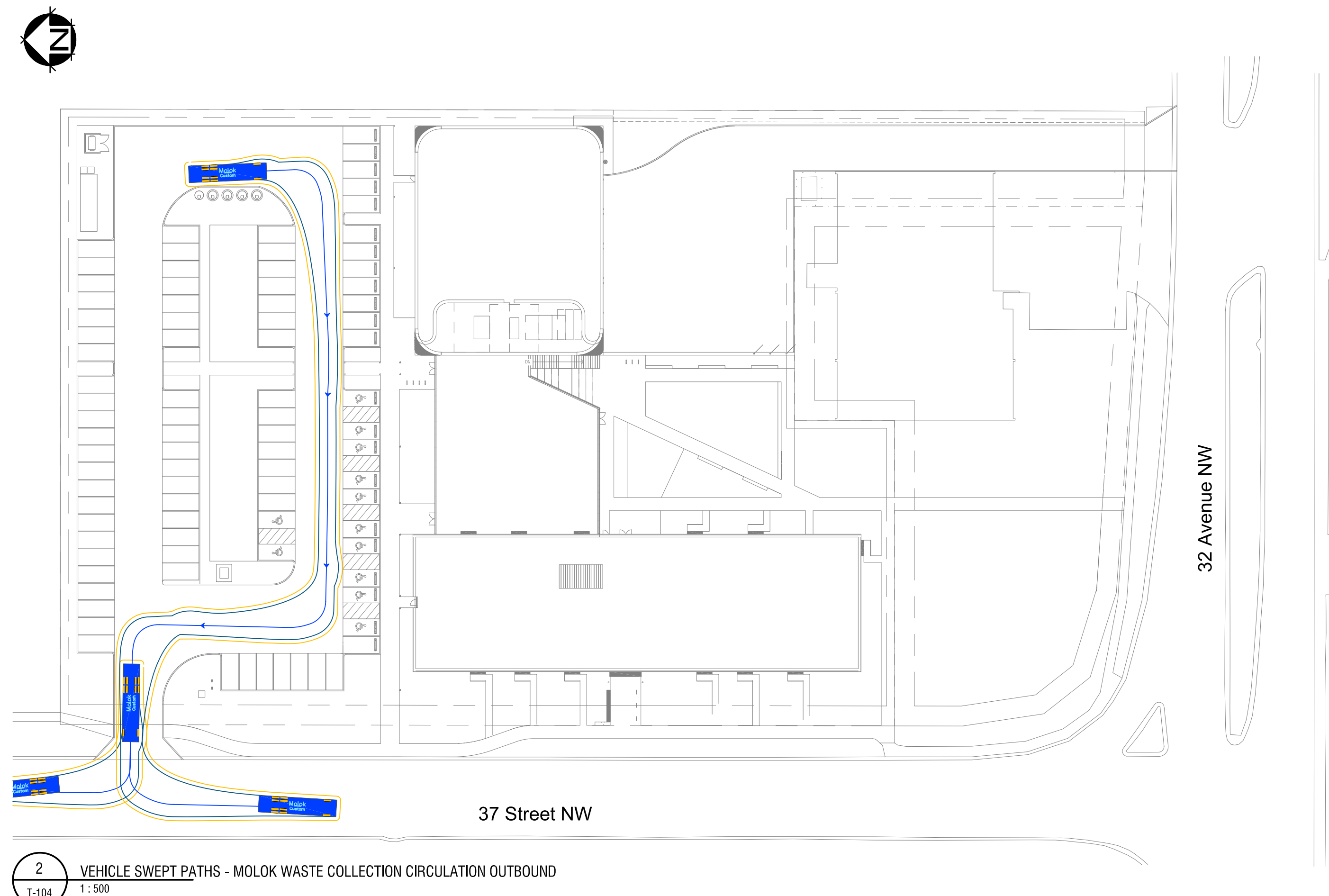
 Path of vehicle body  
 0.6m clearance from vehicle body

[illegible]









Technical drawing of the truck chassis showing the wheelbase dimension of 11700 mm.

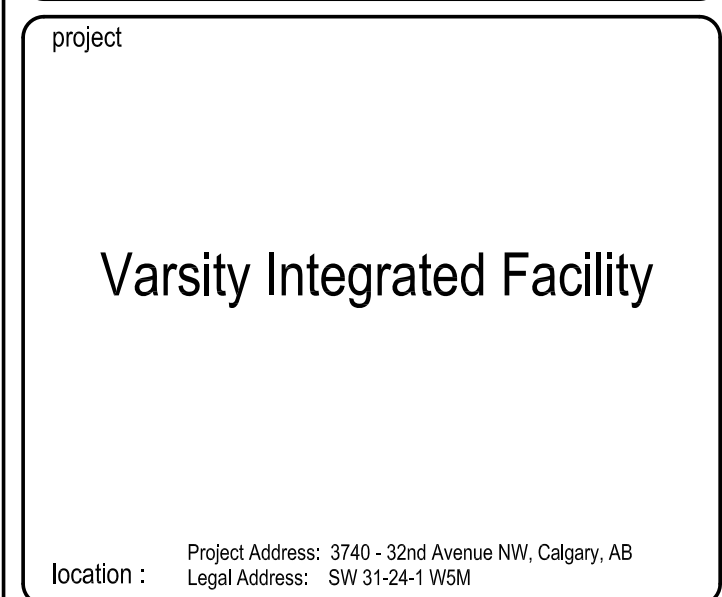
 Path of vehicle body  
 0.6m clearance from vehicle body

[illegible]

permit

PRELIMINARY  
NOT FOR CONSTRUCTION

Architectural Consultant Project Number: 19064

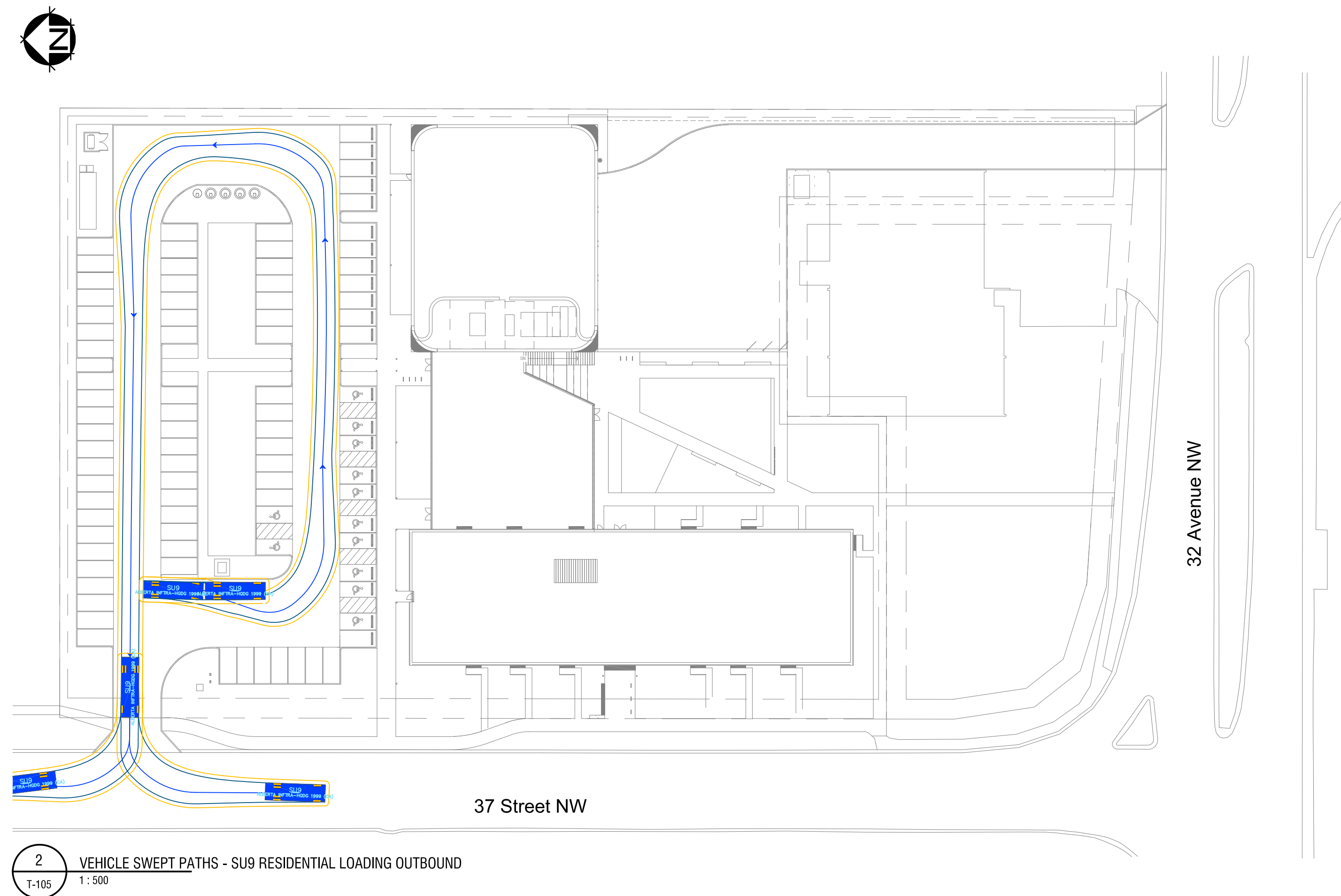


scale as noted		all dimensions are in millimeters	
drawn by 19.05.2021 BM		drawing no.  T-104	
checked by 19.05.2021 EO			
reviewed by 19.05.2021 MF		project no. 15-1604	

Consultant Logo:

**bunt**  
& associate  
TRANSPORTATION PLANNING  
& ENGINEERING





Technical drawing of a truck showing dimensions: total length 9100, wheelbase 6100, and front overhang 1200.

- Path of vehicle body
- 0.6m clearance from vehicle body

drawing title	
VEHICLE SWEEP PATHS SU9 RESIDENTIAL LOADING	
scale as noted	
all dimensions are in millimeters	
drawn by 06.05.2021	BM
checked by 18.05.2021	ED
reviewed by 19.05.2021	MF
drawing no. T-105	
project no. 15-1894	

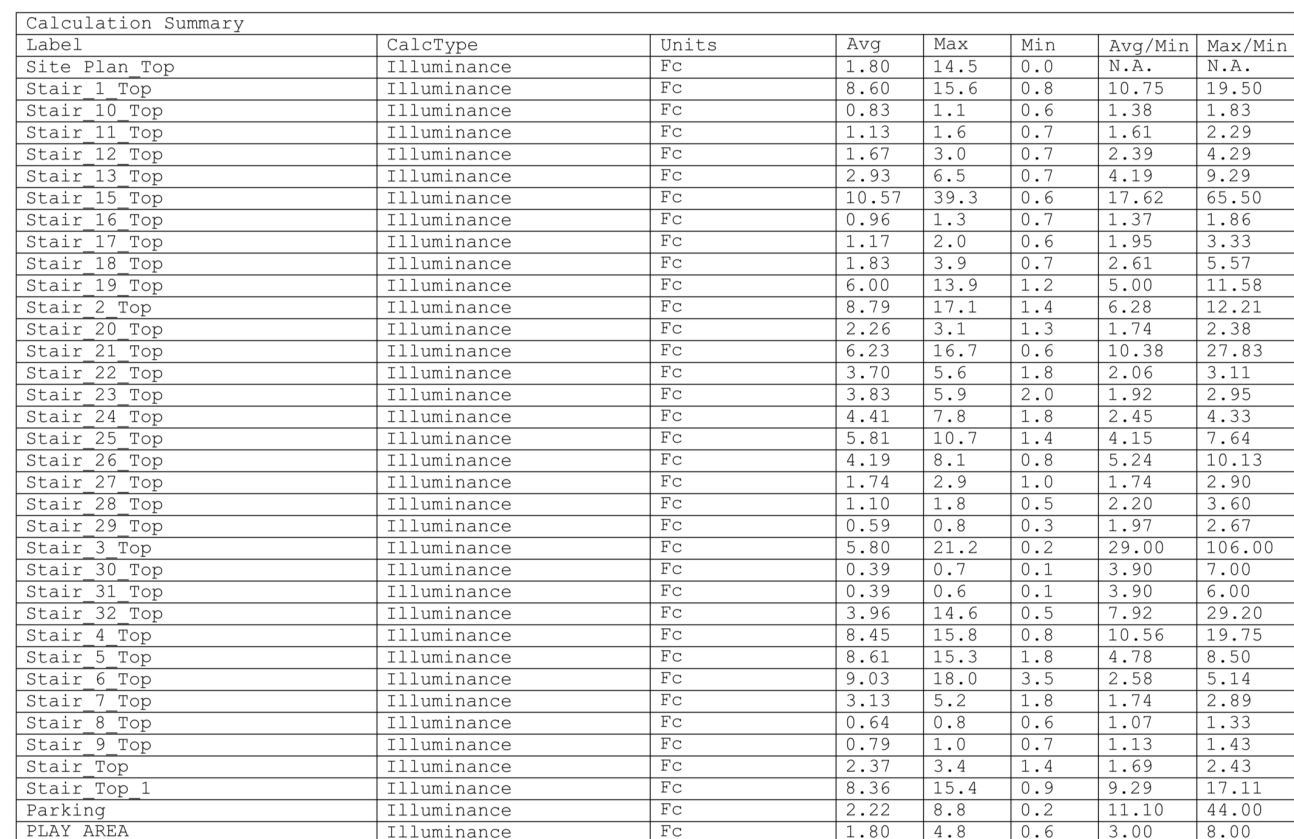
Consultant Logos

**bunt**  
& associates  
TRANSPORTATION PLANNERS  
A KBR GROUP COMPANY









C126



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**DIFFUS** ON  
 by CROSS lighting

C136 - 32nd Ave NW  
 EXTERIOR/LANDSCAPE  
 TYPE LL1 (EXTRUSION)

## SLC-002S

### Description

Low profile, anodized aluminum channel that comes complete with three clear mounting clips, two grey endcaps, and an opal polycarbonate lens.

\*Extra clips and endcaps available by request.\*

### Specifications

- Channel : Anodized aluminum extrusion
- Lens : Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length : 8' (2.44-meters)
- Color : Silver, White, Black

\*Custom color available.\*

### Applications

- Coves
- Top kitchen cabinet
- Wardrobe
- Shelving
- Closets

\*If seen directly or through a reflective surface, not recommended unless used with SL2.75\*

**NEW FLAT LENS (Standard on every order)**

\*If you need Old Round Lens please specify when ordering\*

NEW FLAT LENS (Standard on every order)

### Channel




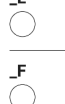



### End Caps

### Mounting Clips

ORDERING CODE COLOR

SLC-002S (Blank Silver) BK

\*Custom RAL color matching available\*

orma range					
					
	1 M	2 M	4 M	8 M	12 M
	-	-	0-5	0-10 V	0-10 V
	-	-	0-5	0-10 V	0-10 V
	0-5 V	0-10 V	0-5	-	-
	-	-	0-5	0-10 V	0-10 V
	0-5 V	0-10 V	0-10 V	-	-
Optical control options	-	-	On/Off, On/Dim, On/Dim/F	On/Off, On/Dim, On/Dim/F	On/Off, On/Dim, On/Dim/F
Finish	Stainless Steel	Stainless Steel	Stainless Steel/Block	Stainless Steel/Block	Stainless Steel/Block
CBi 30	2700K 3000K 4000K	2700K 3000K 4000K	2700K 3000K 4000K	2700K 3000K 4000K RCW (On/Off, On/Dim, F)	2700K 3000K 4000K
Optics	Diffused	Diffused	15° 30° 60° (E180/L/F) Diffused (L/L, F, F3)	10° 30° 60°	15° 30° 60°
Driver	remote	remote	remote	remote	remote
Current	C.C. only	C.C.	C.C. C.V. (L/L, F, F1)	C.C. C.V. (NoRCW)	C.C. C.V.

**DIFFUSION**  
CROSS Lighting

C136 - 3740 32nd Ave NW  
EXTERIOR/LANDSCAPE  
TYPE LL3 (EXTRUSION)

## SLC-050SP

### Description

Surface Pendant mount Aluminum extrusion with opal polycarbonate lens.

\*Extra clips and endcaps available by request.\*

### Specifications

- Dimensions : 50mm W x 43mm D
- Channel : Anodized aluminum extrusion.
- Lens : Opal polycarbonate, high heat resistant, UV stable, shatter resistant
- Length : 8' (2.44 meters)
- Color : White or Black

\*Dual Row LED required\*

### Applications

- Surface mount
- Suspended fixture
- Halls
- Workshops
- Libraries
- Restaurants

### Channel

### End Caps


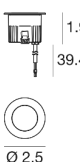
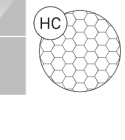




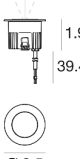



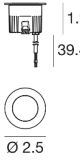



### Mounting Clips

#### Surface Mounting Clips

#### • Wall Mounting Clips

ORDERING CODE	COLOR
SLC-050SP	<input type="checkbox"/>
SLC-050SP	<input type="checkbox"/>

\*Custom RAL color order request \*

		Note: Source lumens shown		80						
Omms_2   Trim   Up   Lmy   arrayLED   Wet location   Driver remote   Walk over   4W										
		<b>C C - 3505A</b> <b>EC1092</b>								
		1700K	490 lm	M	Spot					
		3000K	490 lm	M	Medium Flood					
		4000K	525 lm	N	Flood					
		<b>EC1092</b>								
		1700K	490 lm	M	Spot					
		3000K	490 lm	M	Medium Flood					
		4000K	525 lm	N	Flood					
		<b>EC1094</b>								
		1700K	490 lm	M	Spot					
		3000K	490 lm	M	Medium Flood					
		4000K	525 lm	N	Flood					
Power supply options (remote only)										
EC030W-350		SOL009W-350		SOL010W-350						
0-10V ESDS dC ESDHine		0-10V ESDS dC SOL0Hine		0-10V ESDS dC SOL0Hine						
200W for 1-15 fixtures		50W for 1-15 fixtures		100W for 1-15 fixtures						
Omms_2   Trim   Up   Lmy   arrayLED   Wet location   Driver remote   Tiltable   Walk over   4W										
		<b>EC - 3505A</b> <b>EC1199</b>								
		2700K	460 lm	M	Spot					
		3000K	460 lm	M	Medium Flood					
		4000K	525 lm	N	Flood					
		<b>EC1199</b>								
		2700K	460 lm	M	Spot					
		3000K	460 lm	M	Medium Flood					
		4000K	525 lm	N	Flood					
Power supply options (remote only)										
EC030W-350		SOL009W-350		SOL010W-350						
0-10V ESDS dC ESDHine		0-10V ESDS dC SOL0Hine		0-10V ESDS dC SOL0Hine						
200W for 1-15 fixtures		50W for 1-15 fixtures		100W for 1-15 fixtures						
Omms_2   Trim   Path Marker   poweredLED   Wet location   Driver remote   Walk over   1W										
		<b>EC - 3505A</b> <b>EC1231</b>								
		2700K	138 lm	M	General					
		3000K	143 lm	M						
		4000K	158 lm	N						
		<b>EC1231</b>								
		2700K	138 lm	M	General					
		3000K	143 lm	M						
		4000K	158 lm	N						
Power supply options (remote only)										
EC030W-350		SOL009W-350		SOL010W-350						
0-10V ESDS dC ESDHine		0-10V ESDS dC SOL0Hine		0-10V ESDS dC SOL0Hine						
200W for 1-15 fixtures		50W for 1-15 fixtures		100W for 1-15 fixtures						
Recommended cabling										
<b>EP165</b> Data cabling for ground-mounting applications										
										

361 inter-lux.com

**The range**

A compact lighting that's ideal for applications requiring shallow fixtures, the Cirma range offers a wide range of versions: spot optics, medium and standard flood, elliptical, surface. A visible beam in the case of the Cirma range models with red, green and blue separated from white in the floods for better mixing and a very pure white. Available in constant current or 24VDC constant voltage.

The Cirma...I and Cirma...S2 table versions are easy to adjust using a flathead screwdriver on the body of the luminaire (this need to open the glass).



*Technical drawing showing the side profile of the Cirma range luminaire, with a vertical dimension line indicating a height of 100 mm.*

**Visual comfort**

Depending on the position in which the light is installed, the beam can be optimized by selecting the appropriate option (standard / Honeycomb / DarkLight).



**Ora** **Ora + Honeycomb** **Ora + DarkLight**

The Honeycomb (H.C.) filter screens secondary light and reduces glare on the intended wall surface, maintaining a high-quality illumination.

The DarkLight (D.L.) screens the beam, allowing the light to shine only on the intended wall surface, while preventing glare even close to the source.

**Table version**

Ora allows for multiple aesthetic solutions, with two different flange types: a standard version with a raised flange, and the Cirma...F with a Flush Type to ground level, which is also available in an egg fit screen vandal-proof version.



**Flush + Vandal proof** **Ora** **Ora...F**

[inter-lux.com](http://inter-lux.com)

360

[illegible][illegible]

## Performance Data

### Lumen Output

Lumen output is based on theoretical light performance in accordance with IESNA LM-79 Data. Data is considered to be representative of the manufacturing process, with the tolerance allowed for lighting flicker.

	Beam Angle	Beam Diameter (ft.)	Beam Diameter (in.)	Beam Length (ft.)	Beam Length (in.)	Beam Area (sq. ft.)	Beam Area (sq. in.)	Beam Volume (cu. ft.)	Beam Volume (cu. in.)
0.00111211108	0.0011	1.00	1.27	1.0	1	1	1	1	1
0.00111211108	0.0011	1.06	1.36	1.0	1	1	1	1	1
0.00111211108	0.0011	1.12	1.45	1.0	1	1	1	1	1
0.00111211108	0.0011	1.18	1.54	1.0	1	1	1	1	1
0.00111211108	0.0011	1.24	1.63	1.0	1	1	1	1	1
0.00111211108	0.0011	1.30	1.72	1.0	1	1	1	1	1
0.00111211108	0.0011	1.36	1.81	1.0	1	1	1	1	1
0.00111211108	0.0011	1.42	1.90	1.0	1	1	1	1	1
0.00111211108	0.0011	1.48	1.99	1.0	1	1	1	1	1
0.00111211108	0.0011	1.54	2.08	1.0	1	1	1	1	1

### Electrical Load

	Power Factor	Power Factor	Power Factor	Power Factor	Power Factor	Power Factor	Power Factor	Power Factor	Power Factor
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.00111211108	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011

### Lumen Lifetime (L70) Multiplier

See these tables for lumen lifetime multiplier for the average ambient temperature of the installation space, with the tolerance allowed for lighting flicker.

Temp (°C)	Temp (°F)	Temp (°C)	Temp (°F)	Temp (°C)	Temp (°F)	Temp (°C)	Temp (°F)
10	50	15	59	20	68	25	77
15	59	20	68	25	77	30	86
20	68	25	77	30	86	35	95
25	77	30	86	35	95	40	104
30	86	35	95	40	104	45	113

### Projected LED Lumen Maintenance

Only determine the projected lumen maintenance percentage in a 25°C ambient temperature (77°F) environment. See the Lumen Maintenance Table for the projected lumen maintenance percentage for the ambient temperature of the installation space.

To calculate L70, use the lumen maintenance factor that corresponds to the desired number of hours of operation. Then, add the lumen maintenance factor to the initial lumen output.

Operating Hours	0	2,000	5,000	10,000
0.00111211108	1.00	0.92	0.85	0.75
0.00111211108	1.00	0.92	0.85	0.75
0.00111211108	1.00	0.92	0.85	0.75

### Photometric Diagrams

To see complete photometric spread or download, see links for this product, use the LumaVision lighting simulator. Download the complete photometric data for this product at [www.lumavision.com](http://www.lumavision.com).

#### LEGEND

- 0.2%
- 0.5%
- 1.0%
- 2.0%

0.00111211108, Mounting height = 10'

0.00111211108, Mounting height = 10'

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