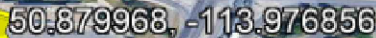
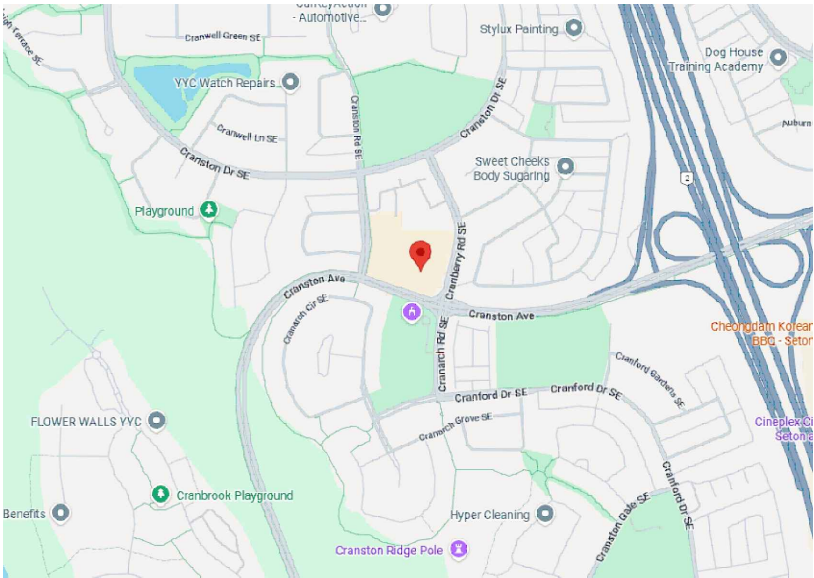




PROJECT TYPE:	NEW TOWER PRELIMINARY DESIGN
STC PROJECT SITE:	STCA154
STC SITE NAME:	CRANSTON ROAD
ADDRESS:	356 CRANSTON RD. SE, CALGARY, AB T3M 0S9
JURISDICTION:	ALBERTA
FREEDOM SITE CODE:	ACA0210
FREEDOM SITE NAME:	NA



KEY MAP



COORDINATES:
(50.879968, -113.976856)

[illegible]

CITY OF CALGARY - DEVELOPMENT & BUILDING APPROVALS
THESE ARE THE PLANS REFERRED TO IN

ANT No	Date Issued
2025-0015	June 25, 2026

FOR DEVELOPMENT AUTHORITY:
A KONDRA

**CONCURRENCE
DECISION
RENDERED ON
THIS PLAN**

NOTES

1. READ THESE DRAWINGS IN CONJUNCTION WITH ALL OTHER PROJECT SPECS, DRAWINGS & DOCUMENTS.
2. ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE. DO NOT SCALE DRAWINGS.



ENGINEERING INC.

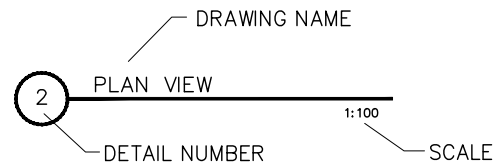
17 BURNET ST.,
OAKVILLE, ON.
L6K 1B5

TEL: 647 403 6060
WWW.360ENG.CA

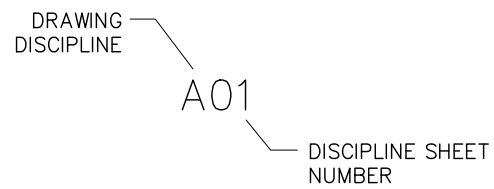
LEGEND – GENERAL SYMBOLS



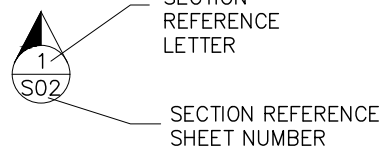
NORTH ARROW
(TRUE NORTH)



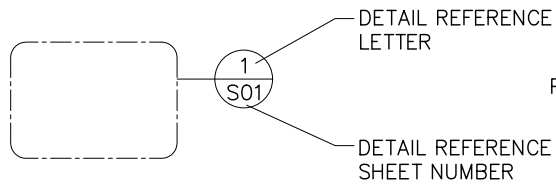
DRAWING TITLE



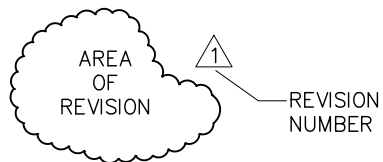
DRAWING NUMBERS



SECTION



PARTIAL DETAIL



REVISION CLOUD

LEGEND – EQUIPMENT SYMBOLS



RF ANTENNA



MICROWAVE DISH ANTENNA



WHIP ANTENNA

CITY OF CALGARY - DEVELOPMENT & BUILDING APPROVALS
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ANT No
2025-0015

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A KONDRA

**CONCURRENCE
DECISION
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THIS PLAN**

SITE CODE:
STCA154

ADDRESS:
356 CRANSTON RD. SE,
CALGARY, AB T3M 0S9

FREEDOM SITE CODE:
ACA0210

FREEDOM SITE NAME:
NA

5			
4			
3	NI	TOWER REV.	17 FEB 26
2	NI	SURVEY REV.	15 DEC 25
1	NI	HYRDO ROUTE	25 JUN 25
0	NI	PRELIMINARY	05 MAY 25
S.	BY	DESCRIPTION	DATE

TITLE: LEGEND

DWG NO.:
A01

SCALE: AS NOTED
DIMENSION IN: mm

CARRIER:



Shared Tower

CITY OF CALGARY - DEVELOPMENT & BUILDING APPROVALS
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2025-0015

Date Issued
June 25, 2026

DEVELOPMENT AUTHORITY:
A KONDRA

CONCURRENCE
DECISION
RENDERED ON
THIS PLAN



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STCA154

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356 CRANSTON RD. SE,
CALGARY, AB T3M 0S9

FREEDOM SITE CODE:
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FREEDOM SITE NAME:
NA

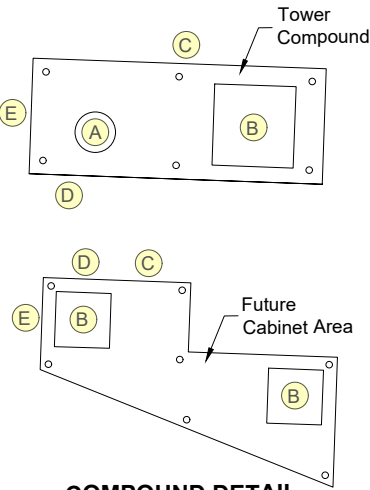
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4			
3	NI	TOWER REV.	17 FEB 26
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1	NI	HYRDO ROUTE	25 JUN 25
0	NI	PRELIMINARY	05 MAY 25
IS.	BY	DESCRIPTION	DATE

TITLE:
SITE SURVEY

DWG NO.:
A02

SCALE:
AS NOTED

DIMENSION IN:
mm

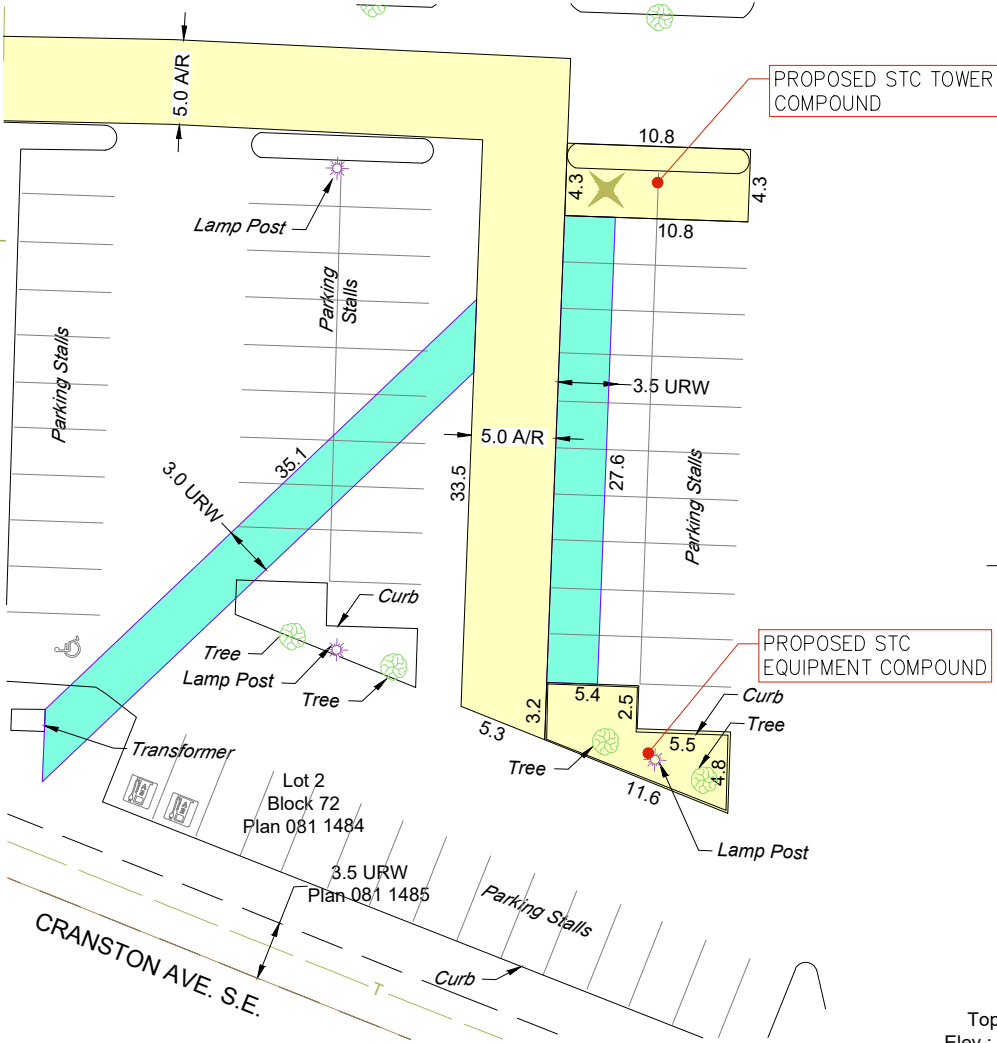


COMPOUND DETAIL
Scale = 1:400

Tower Notes:

- A. Proposed Monopole tower height is to be 30.0m.
B. Tower and carrier equipment will be black to match existing poles on property.
C. Bollards will be placed at each corner of the islands, and then additional bollards will be placed with spacing no more than 4 feet apart.
D. Utility connection and routing to be determined by qualified personnel in consultation with local authority.
E. Access to site is paved road.
F. Tower and equipment concrete pad size and orientation within the compound are subject to change based on soil conditions and foundation design requirements.

SITE DATA	PROPOSED		
	HECT.	AC.	SQ.M.
TOWER COMPOUND:	0.005	0.01	46.3
FUTURE CABINET AREA:	0.004	0.01	44.8
ACCESS ROAD:	0.066	0.16	659.7
UTILITY R/W:	0.019	0.05	188.1
TOTAL:	0.094	0.23	938.9
TOWER SETBACKS			
FRONT:		50.9 m	
SIDE:		61.2 m	
REAR:		130.6 m	
CABINET SETBACKS			
FRONT:		49.1 m	
SIDE:		54.3 m	
REAR:		128.0 m	



DETAIL
Scale = 1:400

SITE CENTRE COORDINATES:

GEOGRAPHICAL (NAD83 SURVEY CONTROL)

Latitude: 50° 52' 47.88"
Longitude: 113° 58' 36.70" -113.97687968° Degrees

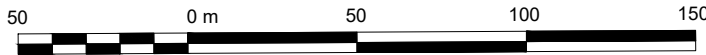
LOT 2, BLOCK 72, PLAN 081 1484

Owner(s): **FIRST CAPITAL HOLDINGS (ALB) CORPORATION**
Title No.: **091 324 045**

Top of Tower
Elev.: ±1082.0m

Tower Height:
30.0m

Ground Elev.:
±1052.0m



SCALE 1:2000
UNLESS OTHERWISE NOTED

LEGEND

- Portions referred to
Utility R/W
Premises
Fence
Buried Telephone Cable
Shrub
Tree Deciduous
Tree Coniferous
Yard Lamp
Disabled Parking
Electric Vehicle Parking
Tower (Proposed)
Bollard

NOTES

- Compound to be fenced unless told otherwise
- Bearings are Grid, UTM Zone 12, derived by GNSS. Reference Meridian is 111° West Longitude. Datum NAD83 (CSRS).
Distances are horizontal, at ground level in metres. Combined Scale Factor is 0.999973.

PRELIMINARY PLAN
SUBJECT TO REVISION

McElhanney Land Surveys (Alta.) Ltd.
100, 402 - 11 Avenue SE,
Calgary AB T2G 0Y4
Tel. 403-245-4711

PLAN ID.: 33112630701-V-SKCH-001

SHEET 1 OF 1 SHEETS

SHARED TOWER

SKETCH PLAN SHOWING
TOWER SITE STCA154
LOT 2, BLOCK 72, PLAN 081 1484
WITHIN S.E. 1/4 SEC. 20 TWP. 22 RGE. 29 W.4 M.
CITY OF CALGARY

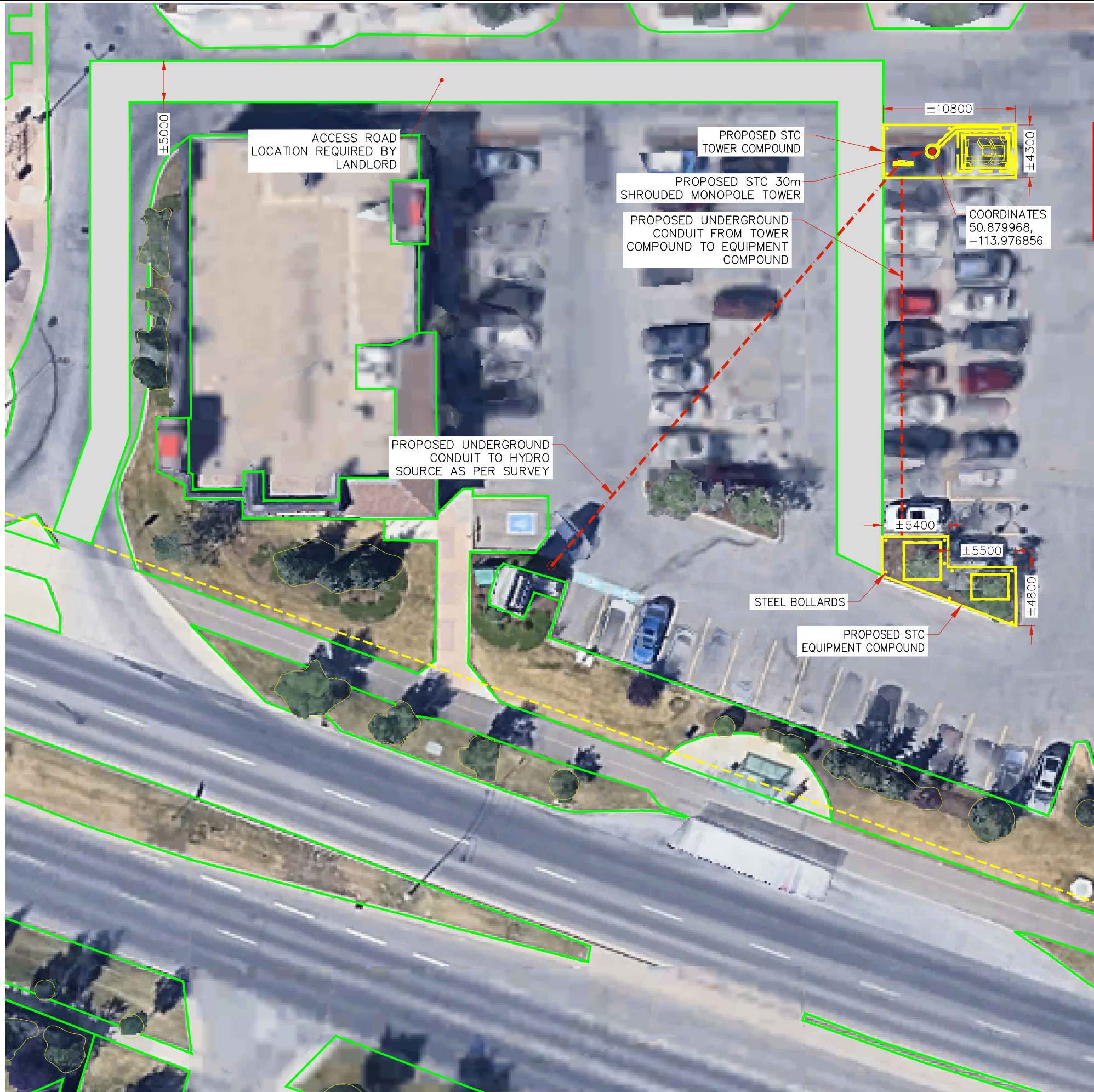
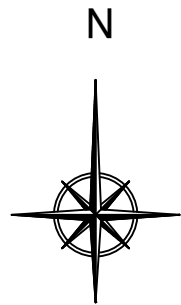
1	Dec. 5/25	Revised Location of Tower, Access Road and Utility R/W	KC TRG ----
0	Feb. 14/25	Plan Issued	KM TRG ----
REV.	DATE	DESCRIPTION	DRAF CHKD SURV

REVISIONS

NOTE:

SURVEY IS PROVIDED BY
OTHERS.

1 SITE SURVEY
N.T.S.



1 SITE PLAN
N.T.S.

CITY OF CALGARY - DEVELOPMENT & BUILDING APPROVALS
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ANT No **Date Issued**
2025-0015 **June 25, 2026**
FOR DEVELOPMENT AUTHORITY:
A KONDRA

**CONCURRENCE
DECISION
RENDERED ON
THIS PLAN**

CARRIER:



Shared Tower

ENGINEERING INC.

SITE CODE:

STCA154

ADDRESS:

356 CRANSTON RD. SE,
CALGARY, AB T3M 0S9

FREEDOM SITE CODE:

ACA0210

FREEDOM SITE NAME:

NA

5			
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0	NI	PRELIMINARY	05 MAY 25
IS. BY	DESCRIPTION	DATE	

TITLE:

SITE LAYOUT

DWG NO.:

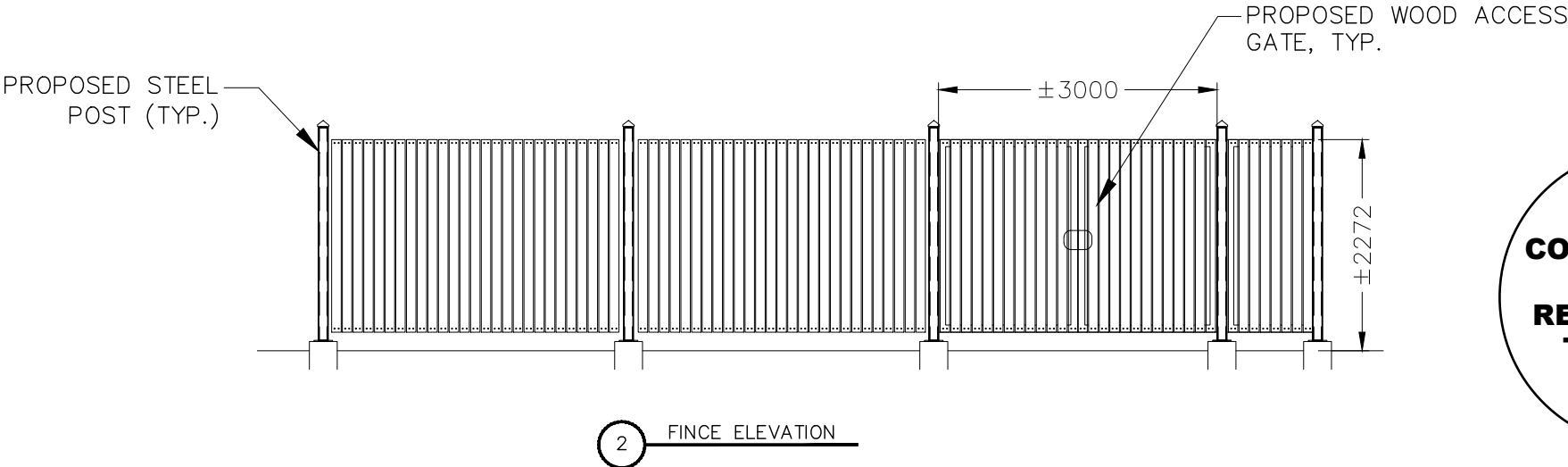
A03

SCALE.:

AS NOTED

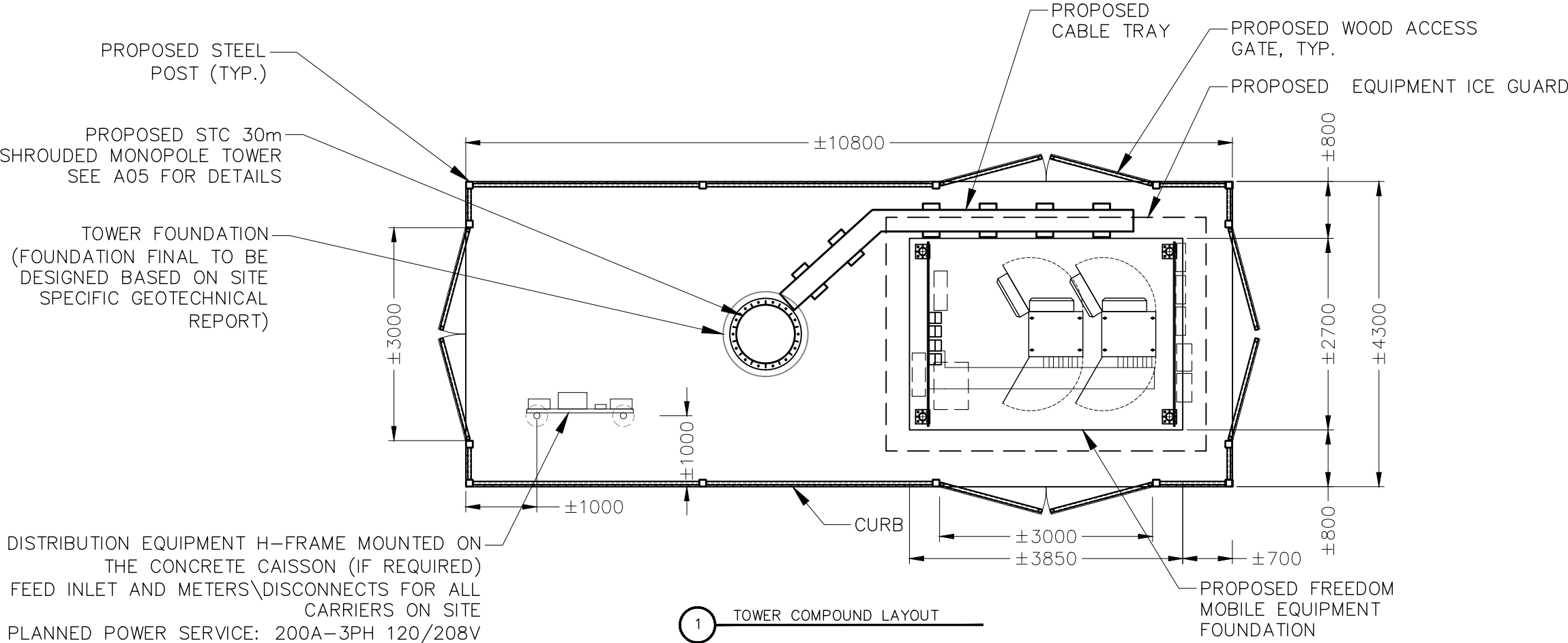
DIMENSION IN:

mm



**CONCURRENCE
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HYDRO DISTRIBUTION EQUIPMENT H-FRAME MOUNTED ON THE CONCRETE CAISSON (IF REQUIRED)
MAIN FEED INLET AND METERS\DISCONNECTS FOR ALL CARRIERS ON SITE
* PLANNED POWER SERVICE: 200A-3PH 120/208V

CARRIER:

SITE CODE:

STCA154

ADDRESS:

356 CRANSTON RD. SE,
CALGARY, AB T3M 0S9

FREEDOM SITE CODE:

ACA0210

FREEDOM SITE NAME:

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0	NI	PRELIMINARY	05 MAY 25
IS.	BY	DESCRIPTION	DATE

TITLE:

COMPOUND LAYOUT

DWG NO.:

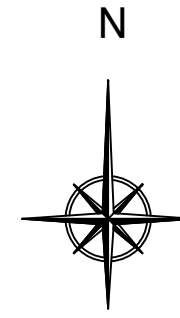
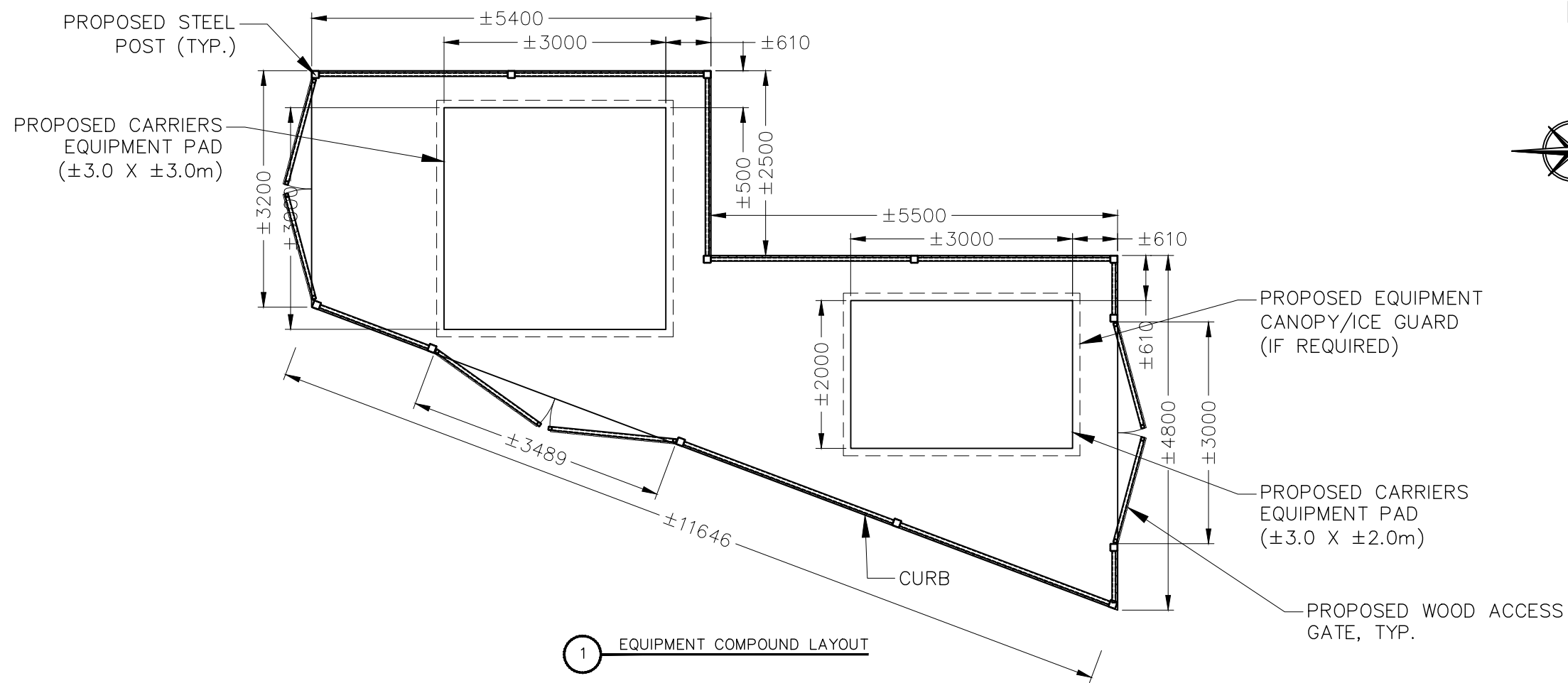
A04

SCALE.:

AS NOTED

DIMENSION IN:

mm



1 EQUIPMENT COMPOUND LAYOUT

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A KONDRA

**CONCURRENCE
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THIS PLAN**

CARRIER:



Shared Tower



ENGINEERING INC.

SITE CODE:
STCA154

ADDRESS:
356 CRANSTON RD. SE,
CALGARY, AB T3M 0S9

FREEDOM SITE CODE:
ACA0210

FREEDOM SITE NAME:
NA

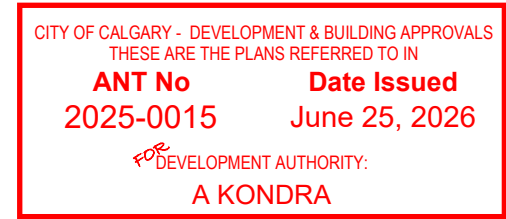
5			
4			
3	NI	TOWER REV.	17 FEB 26
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1	NI	HYRDO ROUTE	25 JUN 25
0	NI	PRELIMINARY	05 MAY 25
IS.	BY	DESCRIPTION	DATE

TITLE:
COMPOUND LAYOUT

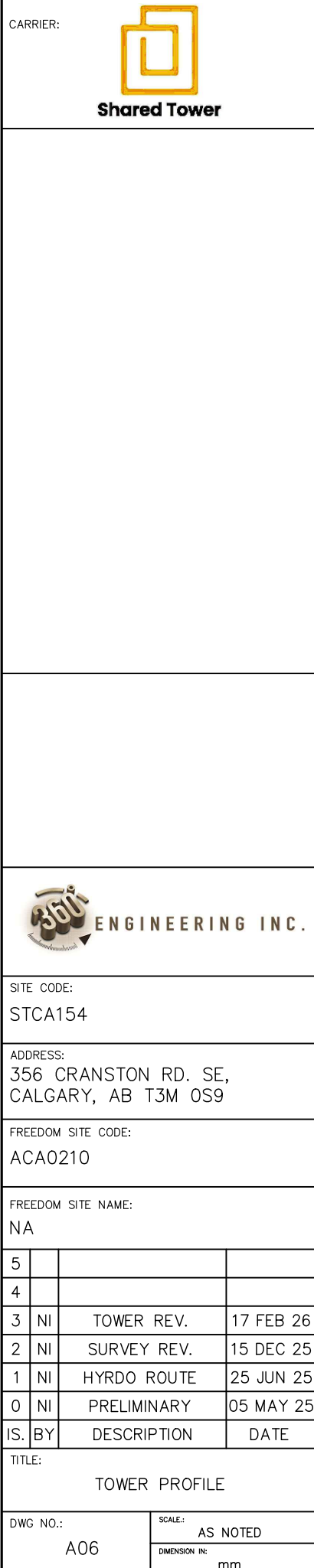
DWG NO.:
A05

SCALE.:
AS NOTED

DIMENSION IN:
mm



**CONCURRENCE
DECISION
RENDERED ON
THIS PLAN**



FREEDOM ANTENNA LOADING

Telecom Request To Share - Inter-Carrier Colocation Form

Date:2/13/2025

Prime Carrier Information					Requesting Operator Information										
Tower Owner:	STC				Requestor:	Freedom									
Site Name:					Site Name:	ACA0210									
Site Code:	STCA154				Site Code:										
Contact:					Contact:	Jasmin Sanderson									
Contact e-mail					Contact e-mail	jsanderson@frdm.ca									
					Phone Number:	778-512-3914									
					Address:										
Site Address :	356 Cranston Road SE Calgary, AB				RF Eng Contact:										
Lat. / Long.:	50.879694, -113.976861				URI:										

General Comments

50m tower

Proposed Antenna/lines RRU Information (elevation is to mid-point of antenna)

Item	This project	Qty	Elevation (m)	Type	Make and Model No.	Azimuth (degrees)	Width (mm)	Length (mm)	Weight (kg)	Frequencies (MHz)	Associated Modules	Qty	Lines	Qty
1	Install	4	30.00	Panel	PROSE 2D4WD-N-2E	60/150/240/330	498.0	2090.0	32.5	617-2690				
2	Install	4	30.00		RRU/AHFIB		308.0	560.0	30.0					
3	Install	4	30.00		RRU/AHBOA		308.0	560.0	38.0					
4	Install	2	23.50	Dish	SBX2-220	87 & 275	600.0	600.0	16.0	23 / 80 GHz	ODU,	4	Cables Coax & Fiber	4
5														
6														
7														
8														
9														
10														

Proposed Shelter / Equipment / Ground Space Information

Item	This project	Type	Dimensions	Electrical Service	Additional Equipment Space Comments
1					
2					
3					
4					
5					
6					

Power Requirements

Panel antennas and MW dishes;RRHs mounted ont over or behind panel antennas; (2) x 2" rigid or flex conduits (containing a combination of power, fiber, RET cables, coax, ground cables) from cabinet to breakout box at the requested elevation on the tower; will require 200 amp single phase 120/240 electrical service if available; Intended use Advanced Wireless Services (AWS); 2 UMTS cabinets at base of tower.
(2) Temporary GENSETs units, (not a permanent fixture) required to provide interim power while waiting on local hydro utilities to activate our permanent approved Design

NOTE:
ANTENNA AZIMUTHS ARE AS BELOW:
40/150/230/320

CITY OF CALGARY - DEVELOPMENT & BUILDING APPROVALS
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CARRIER:



Shared Tower

CONCURRENCE
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THIS PLAN

ENGINEERING INC.

SITE CODE:
STCA154

ADDRESS:
356 CRANSTON RD. SE,
CALGARY, AB T3M 0S9

FREEDOM SITE CODE:
ACA0210

FREEDOM SITE NAME:
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0	NI	PRELIMINARY	05 MAY 25
IS. BY	DESCRIPTION	DATE	

TITLE:
CARRIER ANTENNA SCHEDULE

DWG NO.:
A07

SCALE: AS NOTED
DIMENSION IN: mm

LEGEND:

SHADED AREAS INDICATED ELEMENTS
INCLUDE IN THIS SCOPE

SLOPE 1%

STEEL DECKING MATERIAL
TO BE OVERLAP TO MIN. LEAKS

#25258T8
L 102x102x6 (300W)
c/w U BOLT ASS'Y
(4) 1/2" @ 5 1/16" C/C
TYP.

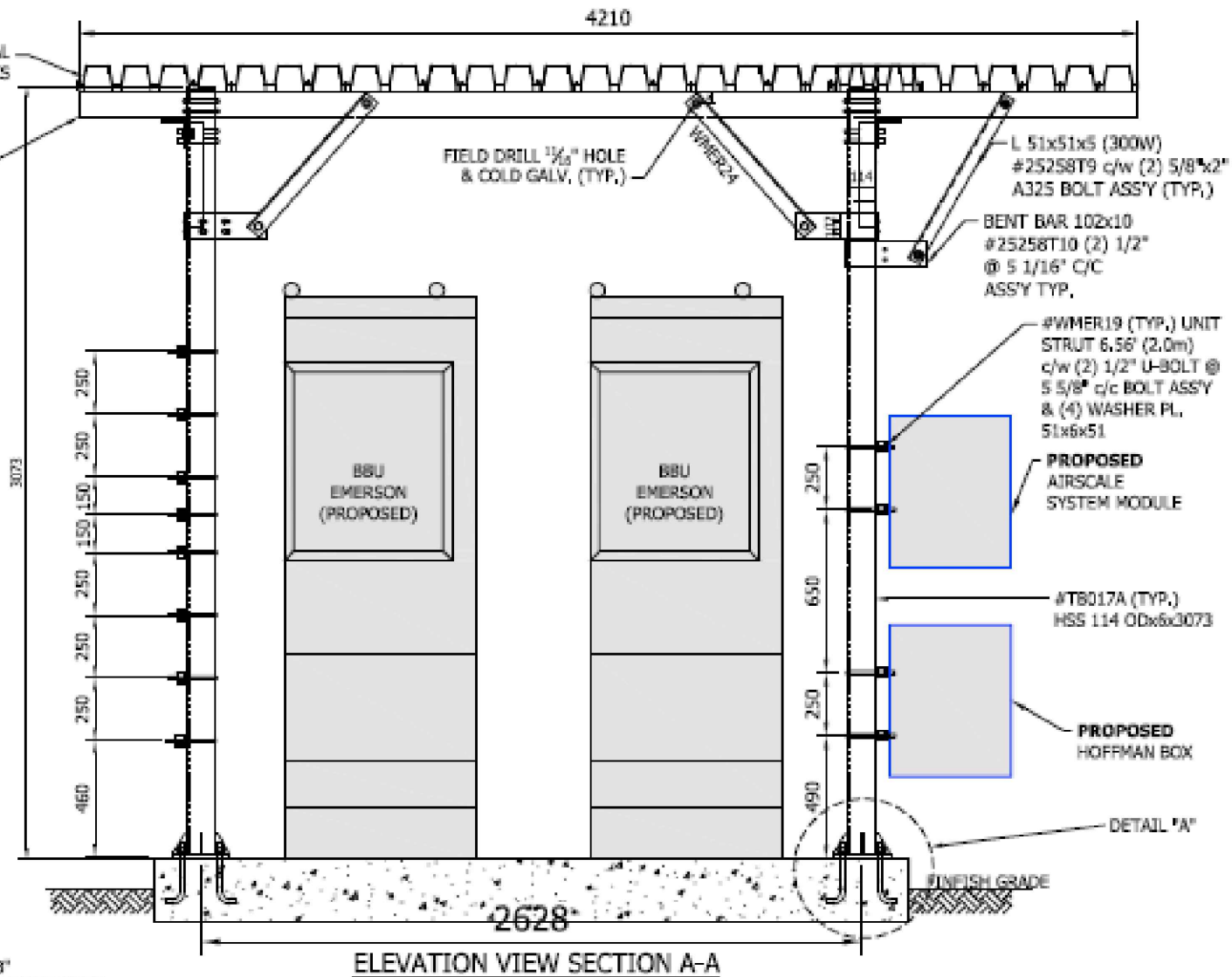
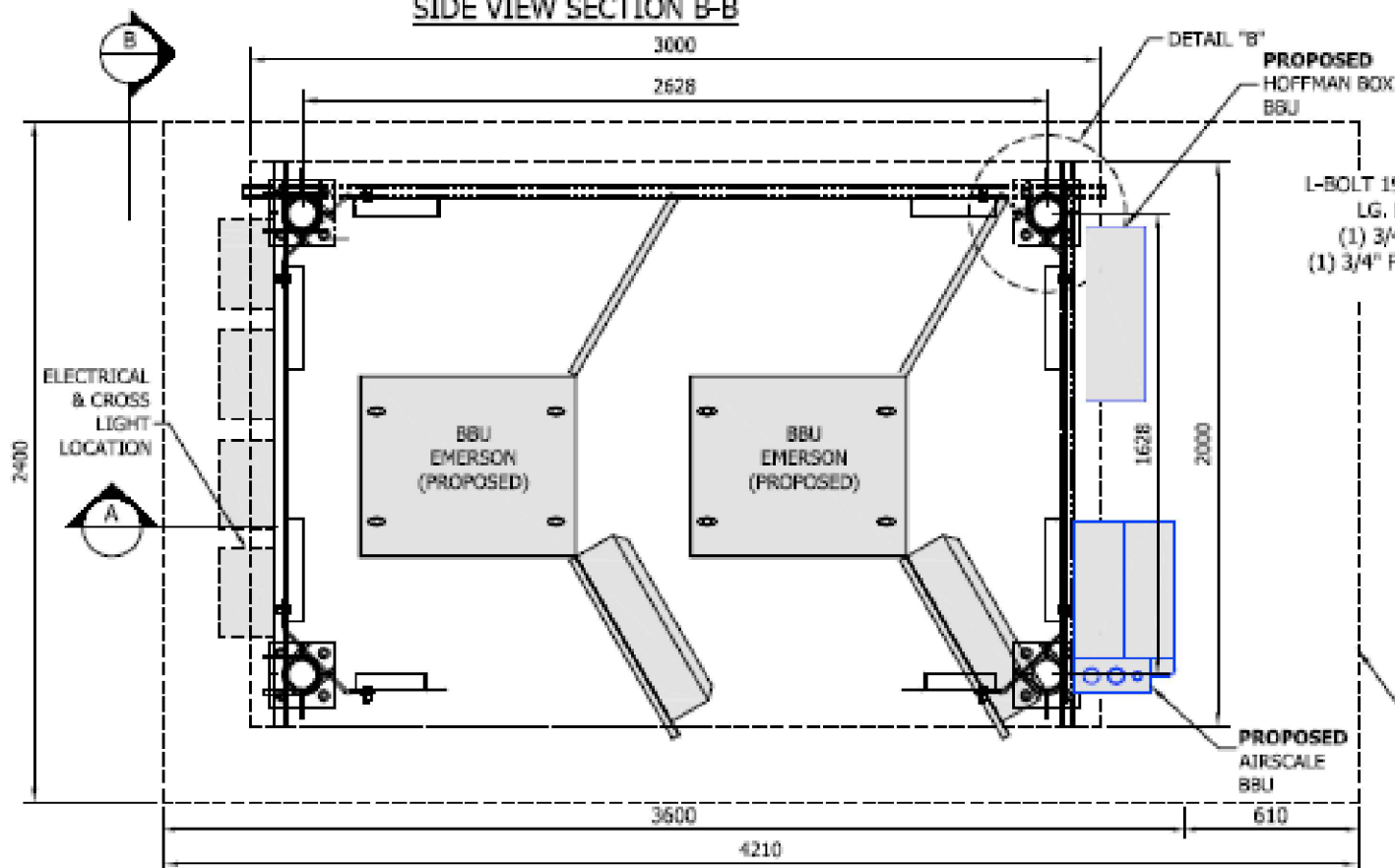
BENT BAR 102x10
#WMER23
(2) 1/2" @ 5 1/16" C/C
ASS'Y TYP.
TYP.

#WMER19 (TYP.)
UNIT STRUT 6.56' (2.0m)
c/w (2) 1/2" U-BOLT
@ 5 5/8" c/c BOLT ASS'Y
& (4) WASHER PL. 51x6x51

#TB017A (TYP.)
HSS 114 ODx6x3073

FINISH GRADE

SIDE VIEW SECTION B-B



ELEVATION VIEW SECTION A-A

L-BOLT 19mmx230mm
LG. HDG (8 UNC)
(1) 3/4" HEX NUT
(1) 3/4" FLATWASHER
TYP.

#TB017A
HSS 114 ODx6

WIND CONCRETE PAD
SEE DWG NO.
11FN0001-E05-01

DETAIL "A"

CANOPY OVERHANG
OUTLINE

GROUND LUG

DETAIL "B"

CITY OF CALGARY - DEVELOPMENT & BUILDING APPROVALS
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Shared Tower

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CALGARY, AB T3M 0S9

FREEDOM SITE CODE:
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IS. BY	DESCRIPTION	DATE	

TITLE:
FREEDOM MOBILE CABINETS

DWG NO.:
A08

SCALE:
AS NOTED
DIMENSION IN:
mm