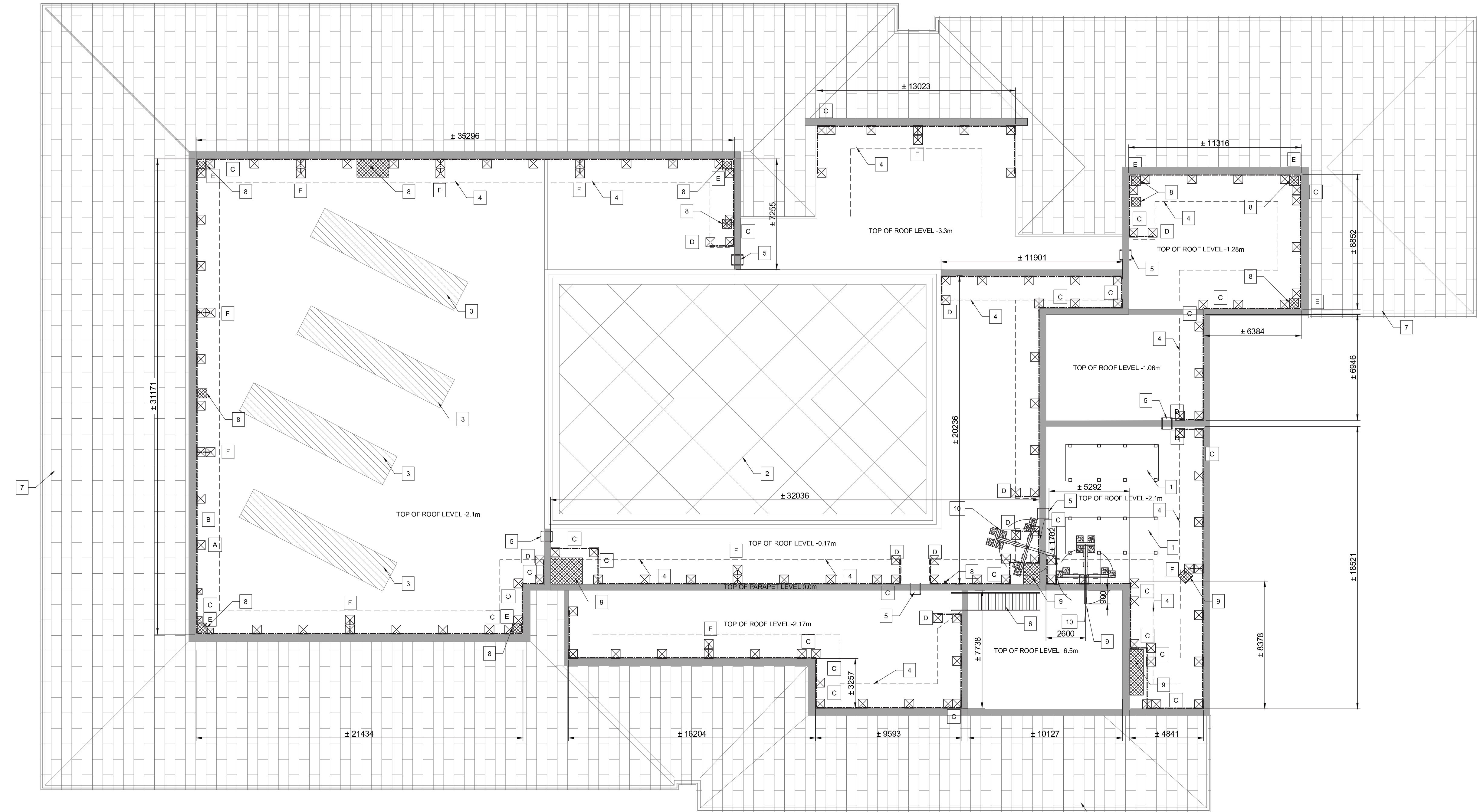


- GENERAL NOTES:**
- CONTRACTOR TO ONLY USE DRAWINGS MARKED AND ISSUED FOR CONSTRUCTION.
 - DO NOT SCALE DRAWINGS.
 - THE INFORMATION PRESENTED ON THESE DRAWINGS HAS BEEN DESIGNED AND ANALYZED IN ACCORDANCE WITH THE PART 4 OF THE 2012 ONTARIO BUILDING CODE. CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH THIS AND ALL OTHER APPLICABLE CODES.
 - CONCRETE STRUCTURES DESIGNED IN ACCORDANCE WITH CSA A23.3-14
 - STEEL STRUCTURES DESIGNED IN ACCORDANCE WITH CSA-S16-14
 - MASONRY STRUCTURES DESIGNED IN ACCORDANCE WITH CSA-S304.1-04
 - WOOD STRUCTURE DESIGNED IN ACCORDANCE WITH CSA-O86-14
 - THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES THAT MAY EXIST BETWEEN THESE DRAWINGS AND REPORT THEM TO BLANCHARD LETENDRE ENGINEERING LTD (BLEL), IMMEDIATELY AND BEFORE COMMENCING ANY WORK OR ORDERING MATERIAL.
 - ANY VARIANCES FROM THE DRAWINGS AND SPECIFICATION OR FROM CONDITIONS ENCOUNTERED ON THE JOB SITE, SHALL BE IMMEDIATELY REPORTED TO THE BLEL.

STRUCTURAL DESIGN DATA MATRIX		
NO.	ITEM	DESCRIPTION
1	DESIGN CODES	2012 ONTARIO BUILDING CODE, PART 4 ALL CODES AS LISTED IN OBC
2	ROOF BARRIER	ROOF BARRIERS FOR PROTECTION OF WORKERS OF A FALLING HAZARD. ROOF ACCESS IS ONLY PROVIDED FOR MAINTENANCE PURPOSE ONLY OCCUPATIONAL HEALTH AND SAFETY ACT, R.S.O 1990 O. REG. 213/91; CONSTRUCTION PROJECT SECTION 26 - VERSION MARCH 2, 2018
	LOADS ON GUARD (ONTARIO BUILDING CODE ARTICLE 4.1.5.14)	HORIZONTAL LOAD AT THE TOP OF THE GUARD OF 0.75kN/m
		HORIZONTAL CONCENTRATED LOAD AT THE TOP OF THE GUARD OF 1kN
		VERTICAL LOAD OF 1.5kN/m
		HORIZONTAL CONCENTRATED LOAD OF 0.5kN LOCATED AT ANY POINT WITHING THE GUARDRAIL
3	DAVIT ARMS	
	APPLICABLE CODES	ASME BTH-2017
		CAN/CSA B167-16 OVERHEAD CRANES, GANTRY CRANES, MONORAILS, HOISTS, ANG JIB CRANE CAN/CSA-Z271-10 (R2015) - SAFETY CODE FOR SUSPENDED PLATFORM
	LOADS ON DAVIT ARM	DESIGN LOAD FOR MATERIAL OF 1.33kN (MUST BE INDICATED ON LIFTING DEVICE)
	CRITERIA (MUST BE INDICATED ON LIFTING DEVICE)	SERVICE CLASS AS PER ASME = SERVICE CLASS 0
		DESIGN CATERGORY AS PER ASME = CATEGORY B

DEFINITIONS:

@	AT (SPACING C/C)
BOT.	BOTTOM
BL	BOTTOM, LOWER LAYER
BUP	BOTTOM, UPPER LAYER
C/C	CENTRE TO CENTRE
CON.	CONTINUOUS
COL.	COLUMN
EA.	EACH
EF	EACH FACE
EW	EACH WAY
EX	EXISTING
H	HORIZONTAL
HD	HEAVY DUTY
mm	MILLIMETRES
MAX	MAXIMUM
MIN	MINIMUM
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
PFA	POINT LOAD FROM ABOVE
PL	PLATE
RE/RE	REMOVE AND REPLACE
SOG	SLAB ON GRADE
TYP	TYPICAL
UN, UN.O	UNLESS NOTED OTHERWISE
V	VERTICAL



LEGEND	
	PARAPET
	EXISTING TRAVEL RESTRAINT
	PROPOSED ROOF BARRIERS
	PROPOSED ROOF BARRIER POST AND BASE

GENERAL PLAN NOTES

- EXISTING MECHANICAL UNIT;
- EXISTING ROOF SKYLIGHT;
- EXISTING SOLAR PANEL;
- EXISTING LIFELINE TO REMAIN;
- EXISTING ACCESS LADDER;
- EXISTING ACCESS STAIRS.
- EXISTING SLOPED LOWER ROOF
- LOCATION OF EXISTING OBJECT ON ROOF TOP THAT CAUSE INTERFERENCE WITH ROOF BARRIERS, THE CLEARANCE ABOVE THE OBJECT IS NOT ADEQUATE USING THE STANDARD ROOF BARRIER, THEREFORE ROOF BARRIER CANT BE INSTALLED OVER OBJECT
- LOCATION OF EXISTING OBJECT ON ROOF TOP THAT CAUSE INTERFERENCE WITH ROOF BARRIERS, THE CLEARANCE ABOVE THE OBJECT IS NOT ADEQUATE USING THE STANDARD ROOF BARRIER, THEREFORE ROOF BARRIER CANT BE INSTALLED OVER OBJECT
- EXACT LOCATION OF DAVIT ARM SHALL BE ESTABLISH ON SITE PRIOR TO ORDERING AND PLACEMENT OF MATERIALS. REFER TO DAVIT ARMS DETAILS ON PAGE S05
- ARM EXTENSION SHALL BE 900mm FROM EDGE OF WALL ADJUST ON UPPER ROOF LOCATION

NOTES RELATED TO ROOF BARRIER

- ROOF BARRIER TYP. POST, SEE PAGE S04; ☒
- ROOF BARRIER TYP. 3.05m LENGHT, SEE P. S04 PROVIDED UNLESS OTHERWISE NOTED;
- ROOF BARRIER CUSTOM SIZE LENGHT, AS PER SITE CONDITION
- ROOF BARRIER - END GUARDRAIL RETURN (POST INSTALLED ON OUTSIDE EDGE); SEE DETAIL 3 ON S04;
- ROOF BARRIER - NO POST CORNER DETAIL, SEE DETAIL 4 ON S04;
- ADDITIONNAL INTERMEDIATE LATERAL SUPPORT, OR AS REQUIRED BY MANUFACTURER

ENGINEERING STAMP



#8		
#7		
#6	ISSUED FOR TENDER	SEPT 06, 2019
#5	ISSUED FOR TENDER	AUG 30, 2019
#4	ISSUED FOR TENDER	AUG 16, 2019
#3	ISSUED FOR 100% REVIEW	JUL 29, 2019
#2	ISSUED FOR 90% REVIEW	JUNE 19, 2019
#1	ISSUED FOR 50%/60% REVIEW	MAY 15, 2019
NO. REVISION		DATE

PROJECT:

PARLIEMENT PRECINCT BRANCH - BLOCK 3 -
ROOF BARRIERS AND DAVIT ARMS

DRAWING:

WELLINGTON BUILDING
ROOF BARRIER & DAVIT
ARMS

Paper format:	610x915
Drawn by:	FB
Checked by:	FB
Date:	JUNE 2019
Scale:	As shown
Project number:	19-136

Page:

S01

GENERAL NOTES:

- CONTRACTOR TO ONLY USE DRAWINGS MARKED AND ISSUED FOR CONSTRUCTION.
- DO NOT SCALE DRAWINGS.
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 - STEEL STRUCTURES DESIGNED IN ACCORDANCE WITH CSA-S16-14
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STRUCTURAL DESIGN DATA MATRIX

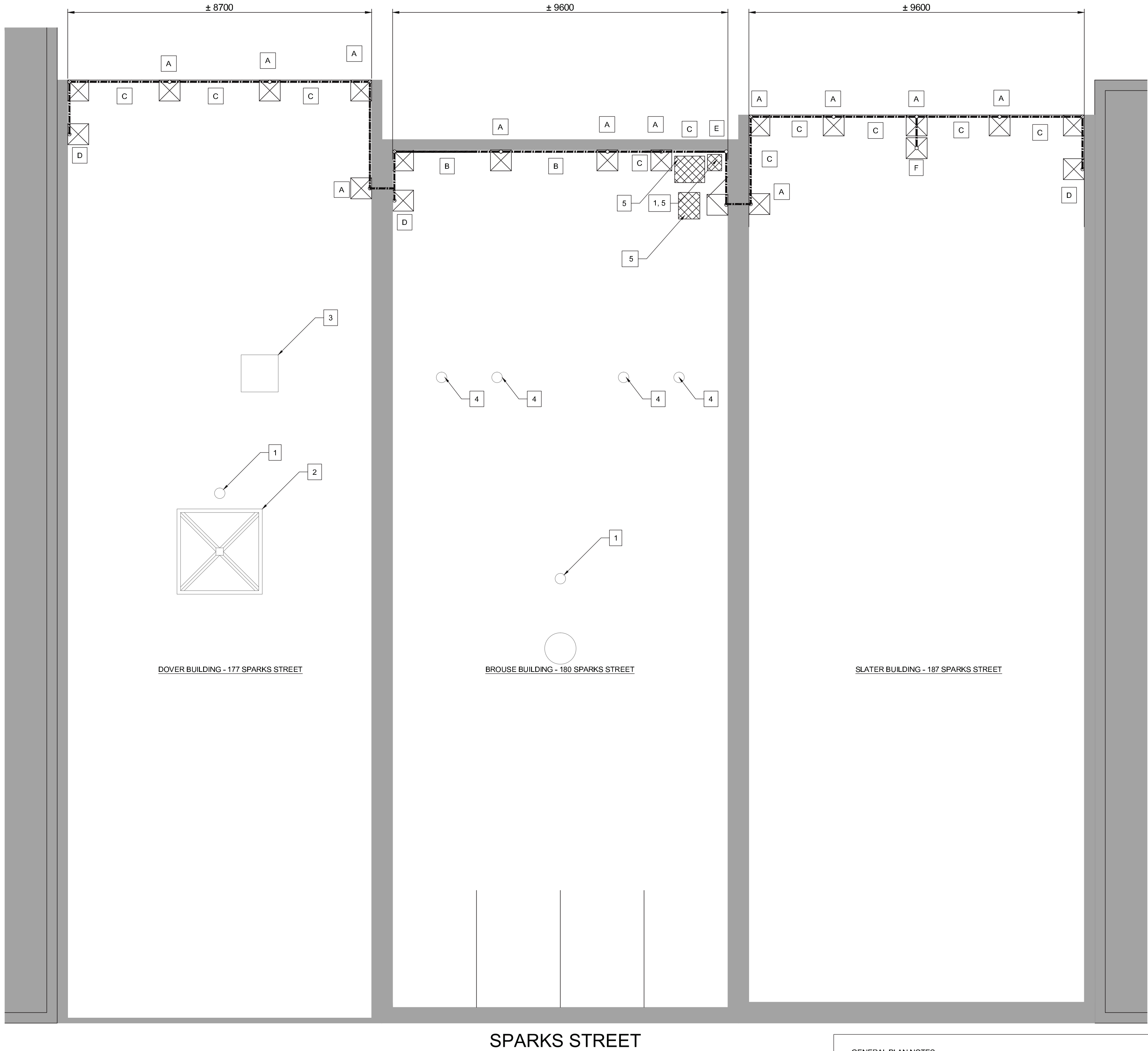
NO.	ITEM	DESCRIPTION
1	DESIGN CODES	2012 ONTARIO BUILDING CODE, PART 4 ALL CODES AS LISTED IN OBC
2	ROOF BARRIER	
	ROOF BARRIER APPLICATION	ROOF BARRIERS FOR PROTECTION OF WORKERS OF A FALLING HAZARD. ROOF ACCESS IS ONLY PROVIDED FOR MAINTENANCE PURPOSE ONLY OCCUPATIONAL HEALTH AND SAFETY ACT, R.S.O 1990 O. REG. 213/91: CONSTRUCTION PROJECT SECTION 26 - VERSION MARCH 12, 2018
	LOADS ON GUARD (ONTARIO BUILDING CODE ARTICLE 4.1.5.14)	HORIZONTAL LOAD AT THE TOP OF THE GUARD OF 0.75kN/m HORIZONTAL CONCENTRATED LOAD AT THE TOP OF THE GUARD OF 1kN VERTICAL LOAD OF 1.5kN/m HORIZONTAL CONCENTRATED LOAD OF 0.5kN LOCATED AT ANY POINT WITHING THE GUARDRAIL
3	DAVIT ARMS	
	APPLICABLE CODES	ASME BTH1-2017 CANCSA B167-16 OVERHEAD CRANES, GANTRY CRANES, MONORAILS, HOISTS, ANG JIB CRANE CANCSA-Z271-10 (R2015) - SAFETY CODE FOR SUSPENDED PLATFORM
	LOADS ON DAVIT ARM	DESIGN LOAD FOR MATERIAL OF 1.33kN (MUST BE INDICATED ON LIFTING DEVICE)
	CRITERIA (MUST BE INDICATED ON LIFTING DEVICE)	SERVICE CLASS AS PER ASME = SEERVICE CLASS 0 DESIGN CATERGORY AS PER ASME = CATEGORY B

DEFINITIONS:

@	AT (SPACING C/C)
BOT.	BOTTOM
BLL	BOTTOM, LOWER LAYER
BUP	BOTTOM, UPPER LAYER
C/C	CENTRE TO CENTRE
CON.	CONTINUOUS
COL	COLUMN
EA.	EACH
EF	EACH FACE
E/W	EACH WAY
EX	EXISTING
H	HORIZONTAL
HD	HEAVY DUTY
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MAX	MAXIMUM
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N/A	NOT APPLICABLE
NTS	NOT TO SCALE
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RE/RE	REMOVE AND REPLACE
SOG	SLAB ON GRADE
TYP	TYPICAL
UN, U.N.O	UNLESS NOTED OTHERWISE
V	VERTICAL

LEGEND

	PARAPET
	EXISTING TRAVEL RESTRAINT
	PROPOSED ROOF BARRIERS
	PROPOSED ROOF BARRIER POST AND BASE



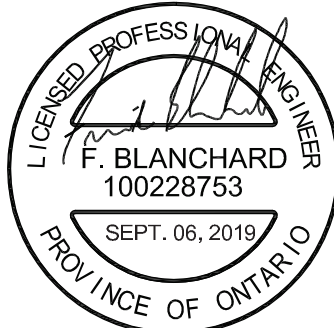
GENERAL PLAN NOTES

- EXISTING ROOF DRAIN;
- EXISTING SKYLIGHT;
- EXISTING ACCESS HATCH;
- EXISTING ROOF ANCHORS
- LOCATION OF EXISTING OBJECT ON ROOF TOP THAT CAUSE INTERFERENCE WITH ROOF BARRIERS. THE CLEARANCE ABOVE THE OBJECT IS ADEQUATE USING THE STANDARD ROOF BARRIER
- LOCATION OF EXISTING OBJECT ON ROOF TOP THAT CAUSE INTERFERENCE WITH ROOF BARRIERS. THE CLEARANCE ABOVE THE OBJECT IS NOT ADEQUATE USING THE STANDARD ROOF BARRIER THEREFORE ROOF BARRIER CAN'T BE INSTALLED OVER OBJECT

NOTES RELATED TO ROOF BARRIER

- ROOF BARRIER TYP. POST. SEE PAGE S04;
- ROOF BARRIER TYP. 3.05m LENGHT, PROVIDED UNLESS OTHERWISE NOTED;
- ROOF BARRIER CUSTOM SIZE LENGHT, AS PER SITE CONDITION;
- ROOF BARRIER - END GUARDRAIL RETURN (POST INSTALLED ON OUTSIDE EDGE), SEE PAGE S04;
- ROOF BARRIER - NO POST CORNER DETAIL. SEE PAGE S04;
- ADDITIONNAL INTERMEDIATE LATERAL SUPPORT, AS REQUIRED BY MANUFACTURER

ENGINEERING STAMP



#8		
#7		
#6	ISSUED FOR TENDER	SEPT 06, 2019
#5	ISSUED FOR TENDER FR	AUG 30, 2019
#4	ISSUED FOR TENDER	AUG 16, 2019
#3	ISSUED FOR 100% REVIEW	JAN 28, 2019
#2	ISSUED FOR 90% REVIEW	JUNE 19, 2019
#1	ISSUED FOR 50%/60% REVIEW	MAY 15, 2019
NO.	REVISION	DATE

PROJECT:

PARLIEMENT PRECINCT BRANCH - BLOCK 3 -
ROOF BARRIERS AND DAVIT ARMS

DRAWING:

DOVER BROUSE SLATER
ROOF BARRIERS

Paper format:	610x915
Drawn by:	FB
Checked by:	FB
Date:	JUNE 2019
Scale:	As shown
Project number:	19-136

Page:

S02

GENERAL NOTES:

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STRUCTURAL DESIGN DATA MATRIX

NO.	ITEM	DESCRIPTION
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	LOADS ON GUARD (ONTARIO BUILDING CODE ARTICLE 4.1.5.14)	HORIZONTAL LOAD AT THE TOP OF THE GUARD OF 0.75kN/m HORIZONTAL CONCENTRATED LOAD AT THE TOP OF THE GUARD OF 1kN VERTICAL LOAD OF 1.5kN/m HORIZONTAL CONCENTRATED LOAD OF 0.5kN LOCATED AT ANY POINT WITHING THE GUARDRAIL
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	APPLICABLE CODES	ASME BTH-1-2017 CANCSA B167-16 OVERHEAD CRANES, GANTRY CRANES, MONORAILS, HOISTS, ANG JIB CRANE CANCSA-Z271-10 (R2015) - SAFETY CODE FOR SUSPENDED PLATFORM
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PL	PLATE
RE/RE	REMOVE AND REPLACE
SOG	SLAB ON GRADE
TYP	TYPICAL
UN, U.N.O	UNLESS NOTED OTHERWISE
V	VERTICAL

EXISTING 150 NATIONAL PRESS BUILDING

UPPER GLAZED ROOF

EXISTING ADJACENT BUILDING

GENERAL PLAN NOTES

- EXISTING ROOF DRAIN;
- EXISTING ACCESS DOOR LOCATION, ON LOWER LEVEL;
- EXISTING ELEVATOR ROOM HIGHER ROOF;
- DOOR ACCESS TO ROOF
- LOCATION OF ACCESS LADDER FROM LOWER ROOF TO UPPER ROOF;
- LOCATION OF CORRIDOR ON THE LOWER LEVEL
- PROPOSED LOCATION OF DAVIT ARM, TO BE CONFIRMED ON SITE PRIOR TO ORDERING MATERIAL. DAVIT ARM DETAIL AS PER S05

1 ROOF PLAN

S03 1:50

ENGINEERING STAMP



#8		
#7		
#6	ISSUED FOR TENDER	SEPT 06, 2019
#5	ISSUED FOR TENDER FR	AUG 30, 2019
#4	ISSUED FOR TENDER	AUG 16, 2019
#3	ISSUED FOR 100% REVIEW	JUL 29, 2019
#2	ISSUED FOR 90% REVIEW	JUNE 19, 2019
#1	ISSUED FOR 50%/60% REVIEW	MAY 15, 2019
NO.	REVISION	DATE

PROJECT:

PARLIEMENT PRECINCT BRANCH - BLOCK 3 -
ROOF BARRIERS AND DAVIT ARMS

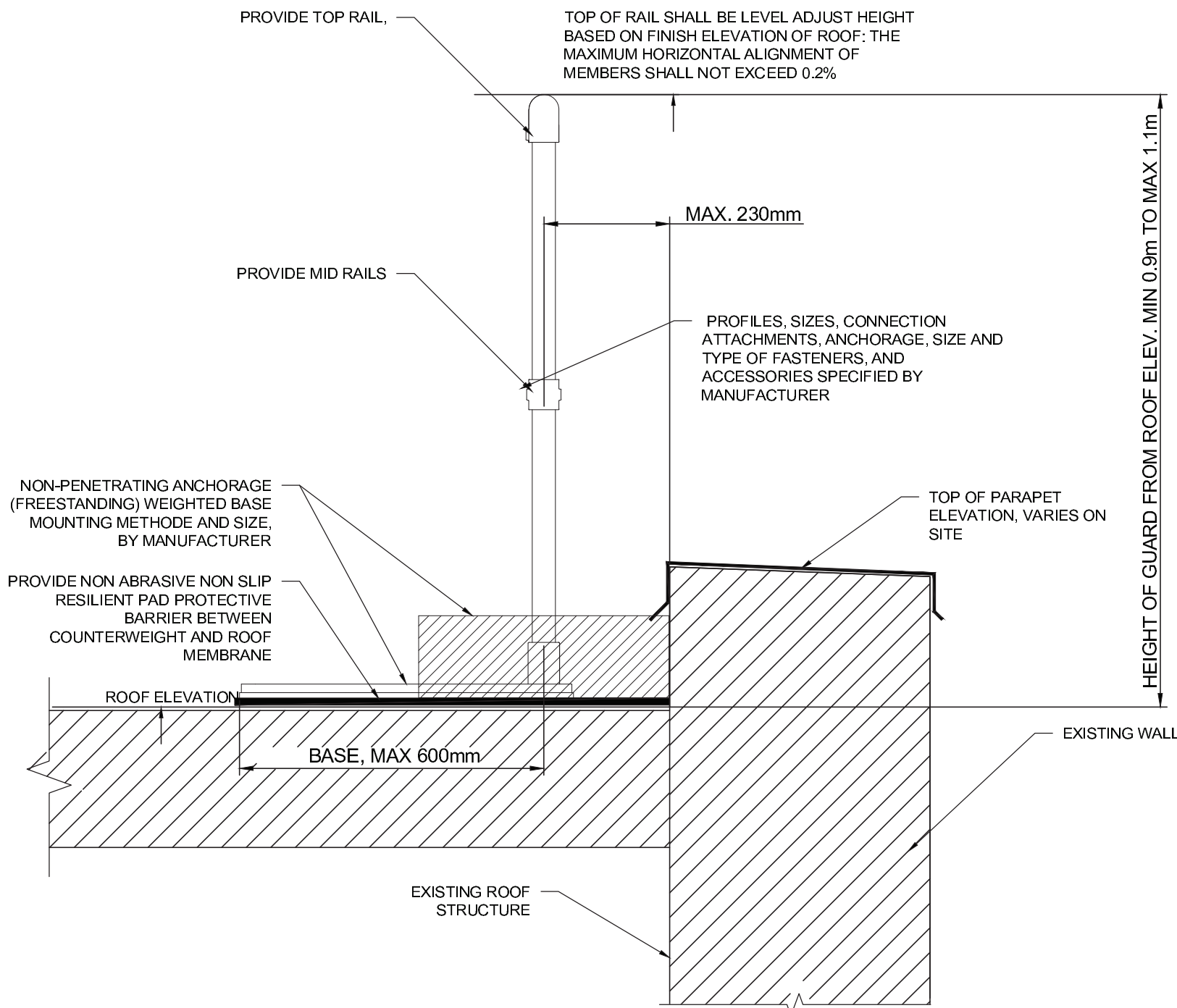
DRAWING:

SIR JOHN A MACDONALD
144 WELLINGTON
DAVIT ARM

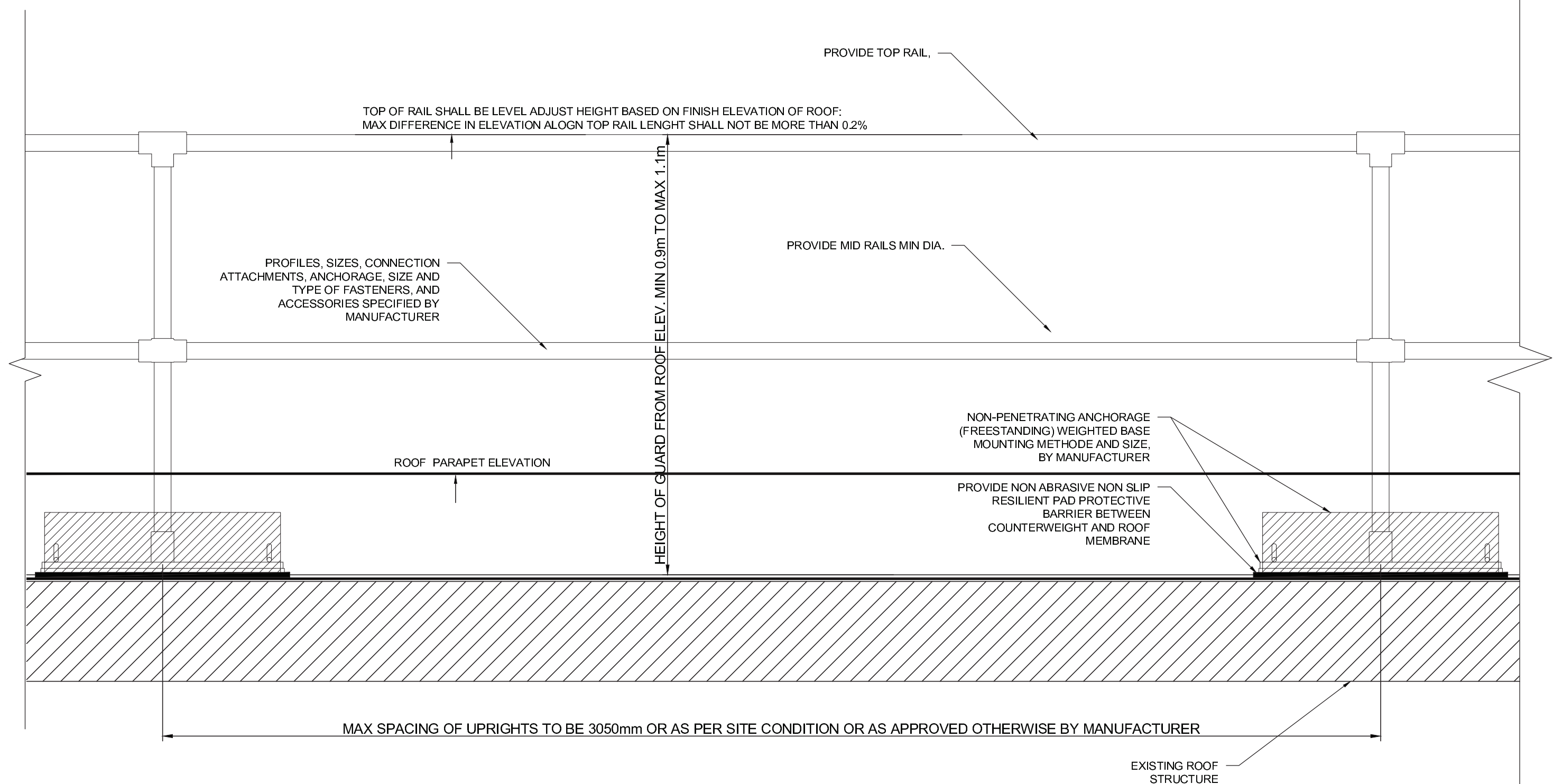
Paper format:	610x915
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Date:	JUNE 2019
Scale:	As shown
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Page:

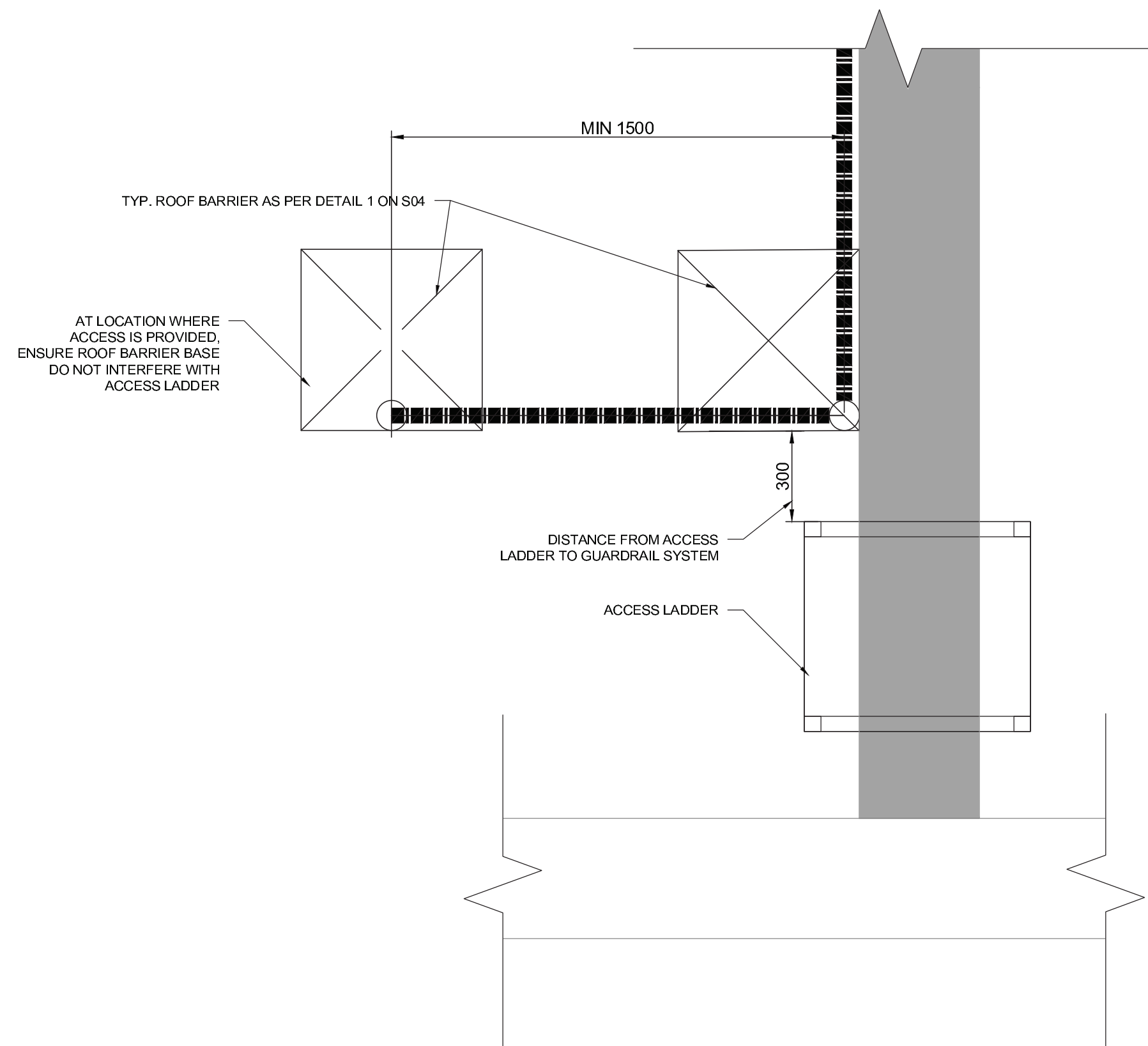
S03



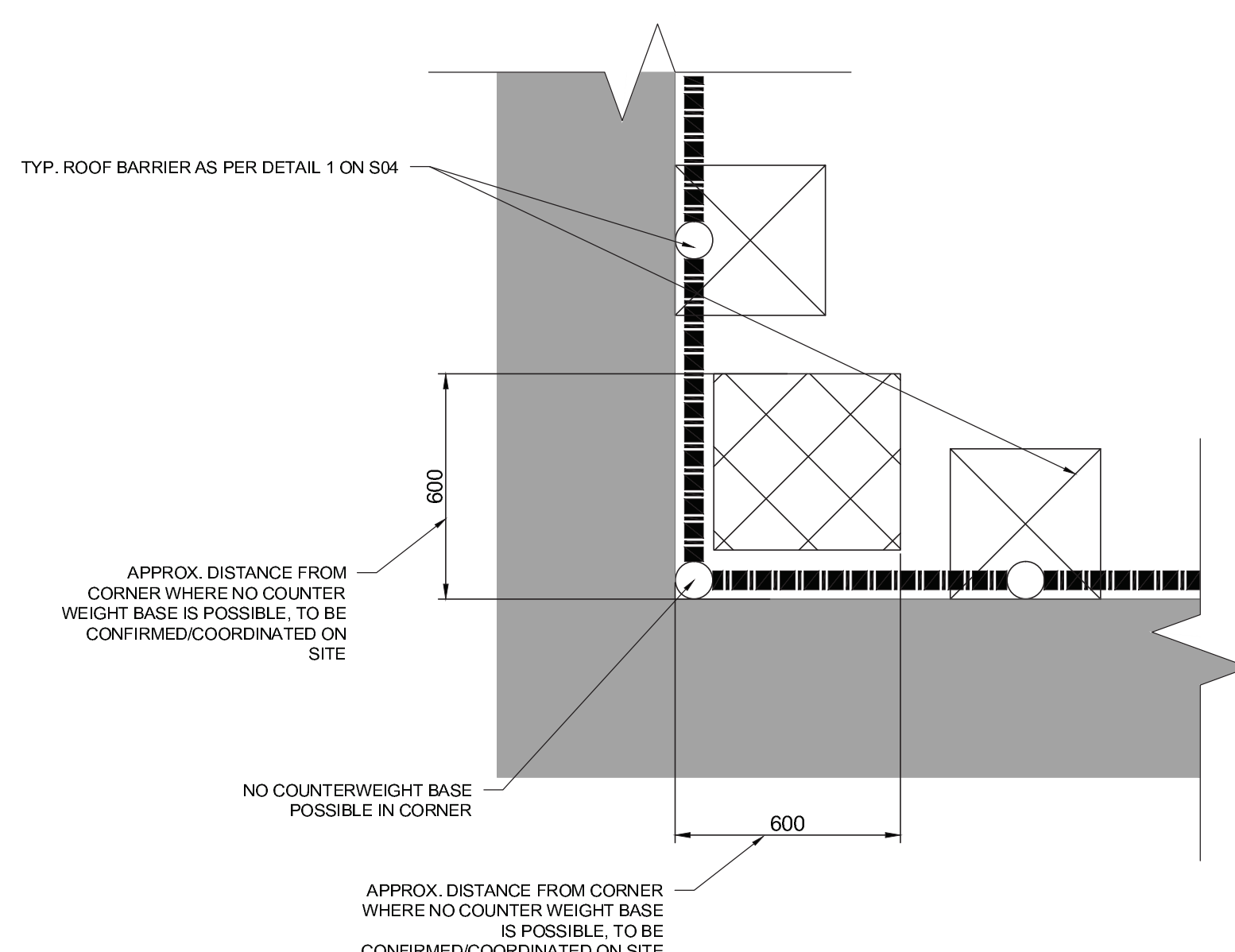
1
S04 / 1:10
GUARRAIL SECTION



2
S04 / 1:10
GUARRAIL ELEVATION



3
S04 / 1:16
ITEM D - ROOF BARRIER - END GUARDRAIL RETURN (POST INSTALLED ON OUTSIDE EDGE)



4
S04 / 1:16
ITEM E - ROOF BARRIER - NO POST CORNER DETAIL

ENGINEERING STAMP



#8		
#7		
#6	ISSUED FOR TENDER	SEPT 06, 2019
#5	ISSUED FOR TENDER FR	AUG 30, 2019
#4	ISSUED FOR TENDER	AUG 16, 2019
#3	ISSUED FOR 100% REVIEW	JAN 29, 2019
#2	ISSUED FOR 90% REVIEW	JUNE 19, 2019
#1	ISSUED FOR 50%/40% REVIEW	MAY 15, 2019
NO. REVISION		DATE

PROJECT:

PARLIEMENT PRECINCT BRANCH - BLOCK 3 -
ROOF BARRIERS AND DAVIT ARMS

DRAWING:

GUARDRAIL SYSTEM
STANDARD DETAILS

Paper format:	610x915
Drawn by:	FB
Checked by:	FB
Date:	JUNE 2019
Scale:	As shown
Project number:	19-136

Page:

S04

