

DRAWINGS PRODUCED BY:



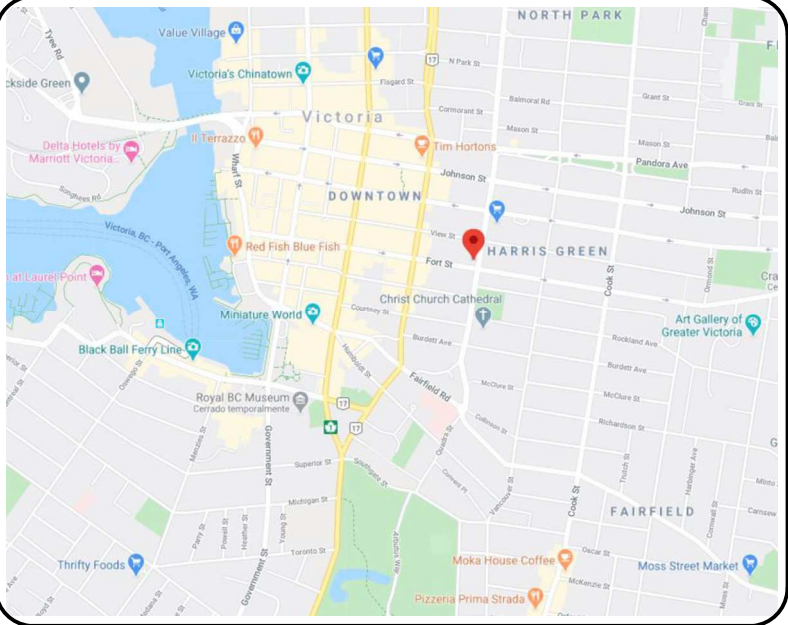
ELECTRICAL | STRUCTURAL | MECHANICAL | TELECOMMUNICATION  
ENGINEERING & CONSTRUCTION MANAGEMENT | SALES & PROCUREMENT

#201 - 2951 ELLWOOD DRIVE SW  
EDMONTON, ALBERTA, T6X 0B1  
TEL: (780) 421-8306 FAX: (780) 702-0612  
WWW.FCTELEC.COM

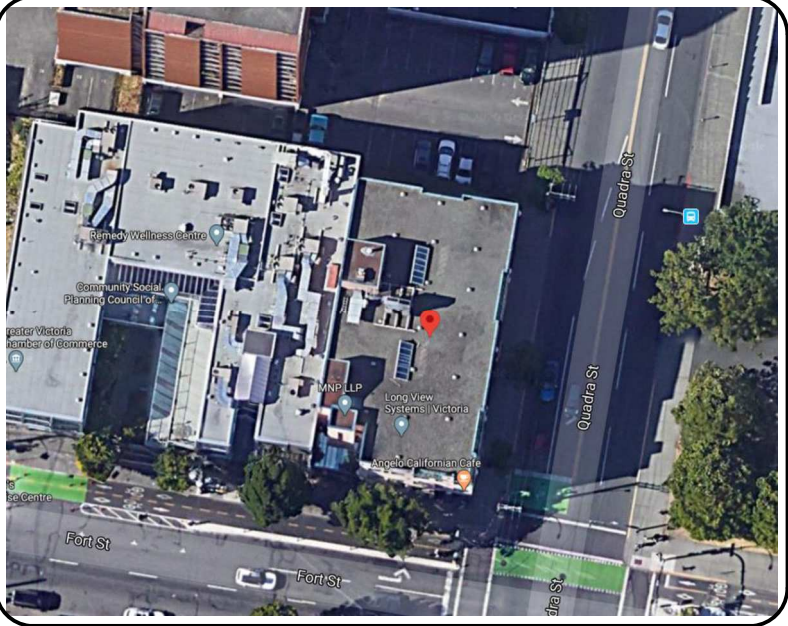
FC TELECOM PROJECT NUMBER:

20062

MAP:



SATELLITE IMAGE:



CLIENT:



PROJECT INFORMATION:

SITE ID: W5008

SITE NAME: QUADRA & VIEW

ADDRESS: 888 FORT ST

MUNICIPALITY: VICTORIA, BRITISH COLUMBIA

LEGAL DESCRIPTION:

SITE COORDINATES: LATITUDE 48° 25' 27.4224" N  
LONGITUDE -123° 21' 35.6472" W

INSTALLATION: EQUIPMENT CABINETS & ANTENNAS

CONFIGURATION: ROOFTOP

ISSUED FOR: BUILDING PERMIT  
(ARCHITECTURAL & ELECTRICAL)

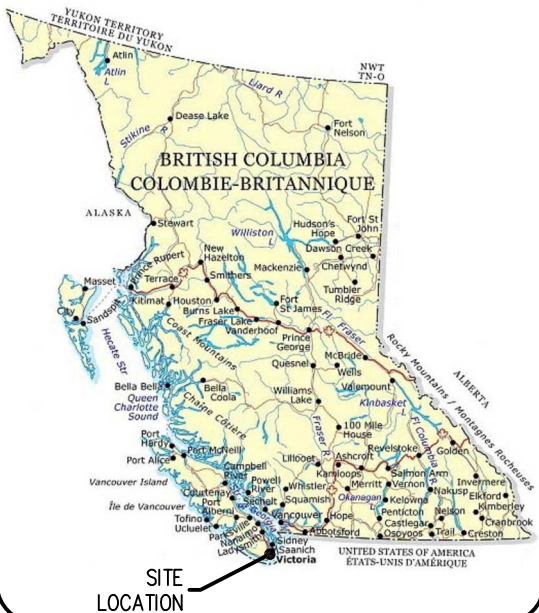
DATE: MAY 21 2021

PROJECT CONTACTS:

ROGERS PROJECT MANAGER:  
GARTH JONES  
(604) 331-2903

DESIGN ENGINEERS:  
FC TELECOM CONSULTANTS LTD.  
(780) 421-8306

ALBERTA KEY MAP:



APPROVALS:

DRAWING LIST:

DRAWING NUMBER → G01 A COVER PAGE ← DRAWING TITLE  
DRAWING REVISION

GENERAL DRAWINGS

G01 1 COVER PAGE  
N01 1 GENERAL NOTES  
C01 1 ANTENNA CHART

ARCHITECTURAL DRAWINGS

A01 1 SITE PLAN  
A02 1 ROOF PLAN  
A03 1 PARTIAL ROOF PLAN (1 of 2)  
A04 1 PARTIAL ROOF PLAN (2 of 2)  
A05 1 SOUTH BUILDING ELEVATION  
A06 1 EAST BUILDING ELEVATION  
A07 1 BUILDING ISOMETRIC

ELECTRICAL DRAWINGS

E01 1 ELECTRICAL NOTES  
E02 1 SINGLE LINE DIAGRAM  
E03 1 ELECTRICAL ROUTING  
E04 1 ELECTRICAL ROUTING DETAILS  
E05 1 ROOFTOP GROUNDING PLAN & DETAILS  
E06 1 GROUNDING DETAILS  
E07 1 GROUNDING SCHEMATIC



1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
0	ISSUED FOR CONSTRUCTION	01 FEB 21	G.M.
A	ISSUED FOR PRELIMINARY REVIEW	18 JUN 20	G.M.
REV.	DESCRIPTION	DD MMM YY	BY

DRAWING NUMBER:

G01



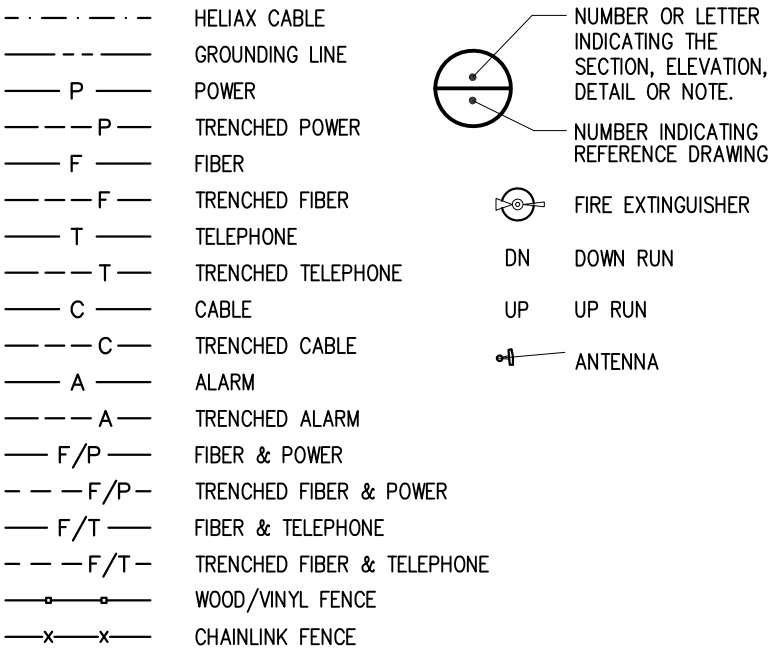
GENERAL

1. PROVIDE ALL LABOUR AND MATERIALS FOR THE COMPLETE AND OPERATIONAL SYSTEM INDICATED IN THE DRAWINGS ATTACHED.
2. THE CONTRACTOR SHALL PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY ALL AUTHORITIES HAVING JURISDICTION FOR THE EXECUTION OF THE WORK. THE CONTRACTOR SHALL ARRANGE FOR THE AUTHORITIES HAVING JURISDICTION TO INSPECT THE WORKS FOR CONFORMANCE TO ALL DECREES. A COPY OF ALL PERMITS AND INSPECTION REPORTS SHALL BE FORWARDED TO THE ENGINEER FOR THE RECORD.
3. ALL WORK MUST COMPLY TO THE LATEST EDITIONS OF THE CANADIAN ELECTRICAL CODE, PROVINCIAL BUILDING CODE, NATIONAL FIRE PROTECTION CODE, CANADIAN STANDARDS ASSOCIATION, LOCAL BUILDING BY-LAWS, MUNICIPAL AND PROVINCIAL REGULATIONS AND LOCAL INSPECTION REQUIREMENTS. WHEN MORE THAN ONE STANDARD OR REGULATION APPLY TO A GIVEN ITEM, THE MOST STRINGENT ONE SHALL APPLY.
4. THE TENDERER MUST STUDY ALL PROJECT DOCUMENTS TO MAKE SURE HE FULLY UNDERSTANDS THE SCOPE OF THE WORK AND OBLIGATIONS IMPOSED ON HIM BY THE DRAWINGS AND SPECIFICATIONS. TENDERERS FINDING DISCREPANCIES, AMBIGUITY, OMISSIONS OR HAVE ANY DOUBTS ON THE INTENT OR MEANING OF THE SPECIFICATIONS OR DRAWINGS SHOULD AT ONCE NOTIFY THE ENGINEER WHO WILL SEND WRITTEN INSTRUCTIONS OR CLARIFICATIONS TO ALL TENDERERS. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE FOR FAILURE TO NOTIFY THE ENGINEER.
5. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS, COMPARE WITH THOSE INDICATED ON THE DRAWINGS AND ADVISE THE ENGINEER OF ANY CONFLICT AND/OR OMISSION. THE CONTRACTOR SHALL CARRY OUT THIS VERIFICATION PRIOR TO THE PREPARATION OF SHOP DRAWINGS AND MANUFACTURE OF MATERIALS. ANY DISCREPANCIES IDENTIFIED AFTER THE COMMENCEMENT OF WORK SHALL BE RECTIFIED AT THE EXPENSE OF THE CONTRACTOR AND TO THE SATISFACTION OF THE ENGINEER. THE TENDERER MUST UNDERGO A SITE VISIT TO CAREFULLY EXAMINE AND UNDERSTAND THE SCOPE OF THE WORK REQUIRED BEFORE BID SUBMISSION. NO COMPENSATION IN ANY FORM WILL BE PAID FOR EXPENSES RESULTING FROM FAILURE TO DO SO.
6. ALL MATERIAL USED SHALL BE NEW, CSA APPROVED AND APPROVED FOR A PARTICULAR INSTALLATION. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
7. THE CONTRACTOR SHALL INSTALL SUITABLE PROTECTION (PLYWOOD SHEETS, ETC.) ON THE EXISTING ROOF FOR THE ENTIRE DURATION OF CONSTRUCTION IN ORDER TO AVOID DAMAGE TO THE EXISTING ROOFING. LOADS FROM CONSTRUCTION AND STORAGE OF MATERIALS SHALL NOT EXCEED AN UNIFORMLY DISTRIBUTED LOAD OF 1.0 kPa OR A CONCENTRATED LOAD OF 1.3 kN.
8. ALL SERVICES ARE TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION AND ADEQUATE PROTECTION PROVIDED AT ALL TIMES. ANY INTERFERENCE OF EXISTING SERVICES OR UTILITIES WITH THE NEW STRUCTURE OR CONSTRUCTION OPERATIONS IS TO BE REPORTED TO THE ENGINEER PRIOR TO THE CONTINUATION OF CONSTRUCTION.
9. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS IN METERS UNLESS NOTED OTHERWISE.
10. FEATURES OF CONSTRUCTIONS NOT FULLY SHOWN ARE OF SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
11. ALL WORK SHALL MEET THE LATEST CLIENT'S TECHNICAL SPECIFICATIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND CLIENTS SPECIFICATIONS SHALL BE REPORTED TO FC TELEC CONSULTANTS AND CLIENT PRIOR TO COMMENCEMENT OF WORK.
12. THE CONTRACTOR SHALL PROVIDE 2 (TWO) SETS OF "AS BUILT" DRAWINGS MARKED IN RED. THE CONTRACTOR SHALL ALSO PROVIDE COMPLETE WARRANTY LITERATURE AND A MAINTENANCE MANUAL ON COMPLETION OF THE INSTALLATION. THIS PORTION OF THE CONTRACT TO BE HANDED IN WITHIN 5 (FIVE) WORKING DAYS AFTER COMPLETION OF INSTALLATION.

13. ALL ANTENNA MOUNTS AND EXPOSED MATERIAL SHALL BE PAINTED TO MATCH.
14. THE ENGINEER RESERVES THE RIGHT TO RELOCATE ANY EQUIPMENT WITHIN 3m OF THE LOCATION SPECIFIED ON THESE DRAWINGS PRIOR TO INSTALLATION BY THE CONTRACTOR.
15. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATE INSTALLATION FOR APPROVAL BY THE ENGINEER.
16. CONTRACTOR IS RESPONSIBLE FOR FIELD MEASUREMENTS TO CONFIRM LENGTHS OF CABLE TRAYS, ELECTRICAL LINES, AND ANTENNA CABLES.
17. ALL DAMAGE OR OPENING UP OF THE EXISTING STRUCTURE MUST BE MADE GOOD TO THE PRE-CONSTRUCTION CONDITION OR BETTER.
18. INSPECTION OF COMPLETED WORK IS REQUIRED BEFORE COVERING UP. PROVIDE MINIMUM 24 HRS NOTICE TO ENGINEER.
19. REMOVE AND CLEAN UP ANY DEBRIS OR MATERIAL FROM THE SITE THROUGHOUT THE DURATION OF THE CONTRACT AND ON COMPLETION OF THE WORK AS DIRECTED BY CLIENT.
20. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE PROVINCE OF ALBERTA.
21. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACTOR DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
22. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
23. ACCESS TO THE NEW WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE PROJECT MANAGER.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, PROVINCIAL, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
25. BILL OF MATERIAL AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR/OWNER. CONTRACTOR/OWNER SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
26. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
27. RENTAL CHARGES, SAFETY, PROTECTION AND MAINTENANCE OF RENTED EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
28. WHERE INDICATED: "CONFIRM" OR "CONFIRM ON SITE"—INDICATES THAT THE CONTRACTOR SHALL CONFIRM AND REPORT TO THE ENGINEER THE INFORMATION REQUESTED IN THE ASSOCIATED NOTE.
29. FIELD REVIEW: THE CONTRACTOR(S) SHALL GIVE NOTICE THAT APPROPRIATE PORTIONS OF THE WORK ARE COMPLETE AND AVAILABLE FOR FIELD REVIEW. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE FIELD REVIEW INSPECTIONS IN A TIMELY MANNER SUITABLE TO THE METHODS AND SCHEDULE OF CONSTRUCTION. THE ENGINEER SHALL BE GIVEN AT LEAST 24 HRS. ADVANCE NOTICE TO INSPECT. INSPECTIONS SHALL BE DURING NORMAL WORKING HOURS ONLY, INSPECTIONS REQUIRING SUBSTANTIAL TRAVEL TIME MUST BE GIVEN ADEQUATE NOTICE.

30. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO SAFEGUARD ALL EXIST STRUCTURES AFFECTED BY THE CONSTRUCTION. THE CONSTRUCTION LOAD SHALL NOT EXCEED DESIGN LIVE LOADS OF THE EXISTING STRUCTURE.
31. CONTRACTOR MAY PROPOSE MATERIALS AND METHODS OTHER THAN THE ONES SPECIFIED. APPROVAL OF THE ENGINEER AND OWNER MUST BE OBTAINED BEFORE SUCH MATERIALS AND METHODS ARE UTILIZED.
32. SCHEDULE AND COORDINATE ALL WORK WITH OTHER TRADES BEFORE INSTALLATION OF EQUIPMENT TO AVOID CONFLICT DURING OR AFTER INSTALLATION.

DRAWING LEGEND



ROGERS CONSTRUCTION SPECIFICATIONS FORM AN INTEGRAL PART OF THESE SPECIFICATIONS. TELUS TO PROVIDE SPECIFICATIONS AS PART OF TENDER PACKAGE TO CONTRACTOR.

REVISION / ISSUE HISTORY:

1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
0	ISSUED FOR CONSTRUCTION	01 FEB 21	G.M.
REV.	DESCRIPTION	DATE	BY

SEAL:



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PRODUCED BY:



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ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

CLIENT:



SITE NAME: QUADRA & VIEW  
SITE LOCATION: 888 FORT STREET  
VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

DRAWING TITLE:

GENERAL NOTES

DWG. SCALE:	NO SCALE	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELEC PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

NO 1

RADIO ANTENNA LIST																	
ANT. POS. NO.	CARRIER	ANTENNA ID	STATUS	ANTENNA HEIGHT (CENTER OF ANTENNA)	ANTENNA MOUNT	ANTENNA TYPE <sup>(1)</sup>	# RRUs <sup>(5)</sup>			MDT (°)	MAIN LEAD TYPE <sup>(2)</sup>		JUMPER TYPE <sup>(4)</sup>		ANT. AZ. (°) <sup>(3)</sup>	SECTOR NO.	NOTES
							(E)	(N)	(R)		(m)	(m)					
1	ROGERS	LTE	NEW	16.9m A.G.L.	NEW	T2008M6R032--v03	-	3	-	0	POWER + FIBER	67	-	3	0°	1	
2	ROGERS	LTE	FUTURE	16.9m A.G.L.	NEW	AIR6449	-	-	-	TBD	POWER + FIBER	67	-	3	0°	1	
3	ROGERS	LTE OFFSET	FUTURE	16.9m A.G.L.	NEW	T2008M6R032--v03	-	2	-	0	POWER + FIBER	67	-	3	60°	D	
4	ROGERS	LTE	NEW	16.9m A.G.L.	NEW	T2008M6R032--v03	-	3	-	0	POWER + FIBER	67	-	3	120°	2	
5	ROGERS	LTE	FUTURE	16.9m A.G.L.	NEW	AIR6449	-	-	-	TBD	POWER + FIBER	67	-	3	120°	2	
6	ROGERS	LTE OFFSET	FUTRE	16.9m A.G.L.	NEW	T2008M6R032--v03	-	2	-	0	POWER + FIBER	67	-	3	180°	E	
7	ROGERS	LTE	NEW	17.2m A.G.L.	NEW	T2008M6R032--v03	-	3	-	0	POWER + FIBER	67	-	3	240°	3	
8	ROGERS	LTE	FUTURE	17.2m A.G.L.	NEW	AIR6449	-	-	-	TBD	POWER + FIBER	67	-	3	240°	3	
9	ROGERS	LTE OFFSET	FUTRE	17.2m A.G.L.	NEW	T2008M6R032--v03	-	2	-	0	POWER + FIBER	67	-	3	300°	F	
10	ROGERS	GPS	NEW	18.2m A.G.L.	NEW	KRE1012395/2 GNSS	-	-	-	-	POWER + FIBER	68	-	-	N/A	N/A	

Microwave Transmission List										
Ant. Pos. No.	Carrier	Antenna ID	Status	Antenna Height (Center of Antenna)	Antenna Mount	Antenna Type <sup>(1)</sup>	Main Lead Type <sup>(2)</sup> (m) <sup>(4)</sup>		Ant. Az. <sup>(3)</sup> (°)	Notes
11	ROGERS	M/W	FUTURE	TBD	NEW	TBD	TBD	TBD	TBD	
12	ROGERS	M/W	FUTURE	TBD	NEW	TBD	TBD	TBD	TBD	

- NOTES:
- ALL ANTENNA SPECIFICATIONS TO BE CONFIRMED IN RADIO SITE QUALIFICATION AS PRODUCED BY ROGERS.
  - ANTENNA CABLES AS SPECIFIED BY ROGERS CIVIL SUBMISSION.
  - ALL ANTENNA AZIMUTHS ARE DETERMINED FROM TRUE NORTH.
  - ANTENNA CABLE LENGTHS HAVE BEEN MEASURED FROM Tx PORT TO EACH ANTENNA.
  - ALL RRUs TO BE MOUNTED WITHIN 3.0m OF ANTENNA EITHER BEHIND OR BELOW ON THE SAME MOUNT IF POSSIBLE UNLESS OTHERWISE NOTED. (E)=EXISTING, (N)=NEW, (R)=REMOVE.
  - ALL CABLES SHALL BE RATED FT6.

REVISION / ISSUE HISTORY:


1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
0	ISSUED FOR CONSTRUCTION	01 FEB 21	G.M.
A	ISSUED FOR PRELIMINARY REVIEW	18 JUN 20	G.M.
REV.	DESCRIPTION	DATE	BY

SEAL:

PROFESSIONAL  
ENGINEER  
F. N. CHUNARA  
#22715  
C.B.C. ENGINEERING  
2021-05-25

PERMIT:

PRODUCED BY:




FC TELECOM  
CONSULTANTS

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CLIENT:



SITE NAME:QUADRA & VIEW

SITE LOCATION:888 FORT STREET  
VICTORIA, BRITISH COLUMBIA

SITE NUMBER:W5008

DRAWING TITLE:

ANTENNA CHART

DWG. SCALE:NO SCALE

DRAWN BY:G. MEJIA

DATE:JUNE 09 2020

CHECKED BY:F. CHUNARA

FC TELECOM PROJECT NUMBER:20062

APPROVED BY:F. CHUNARA

DRAWING NUMBER:

COI



REVISION / ISSUE HISTORY:

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VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

DRAWING TITLE:

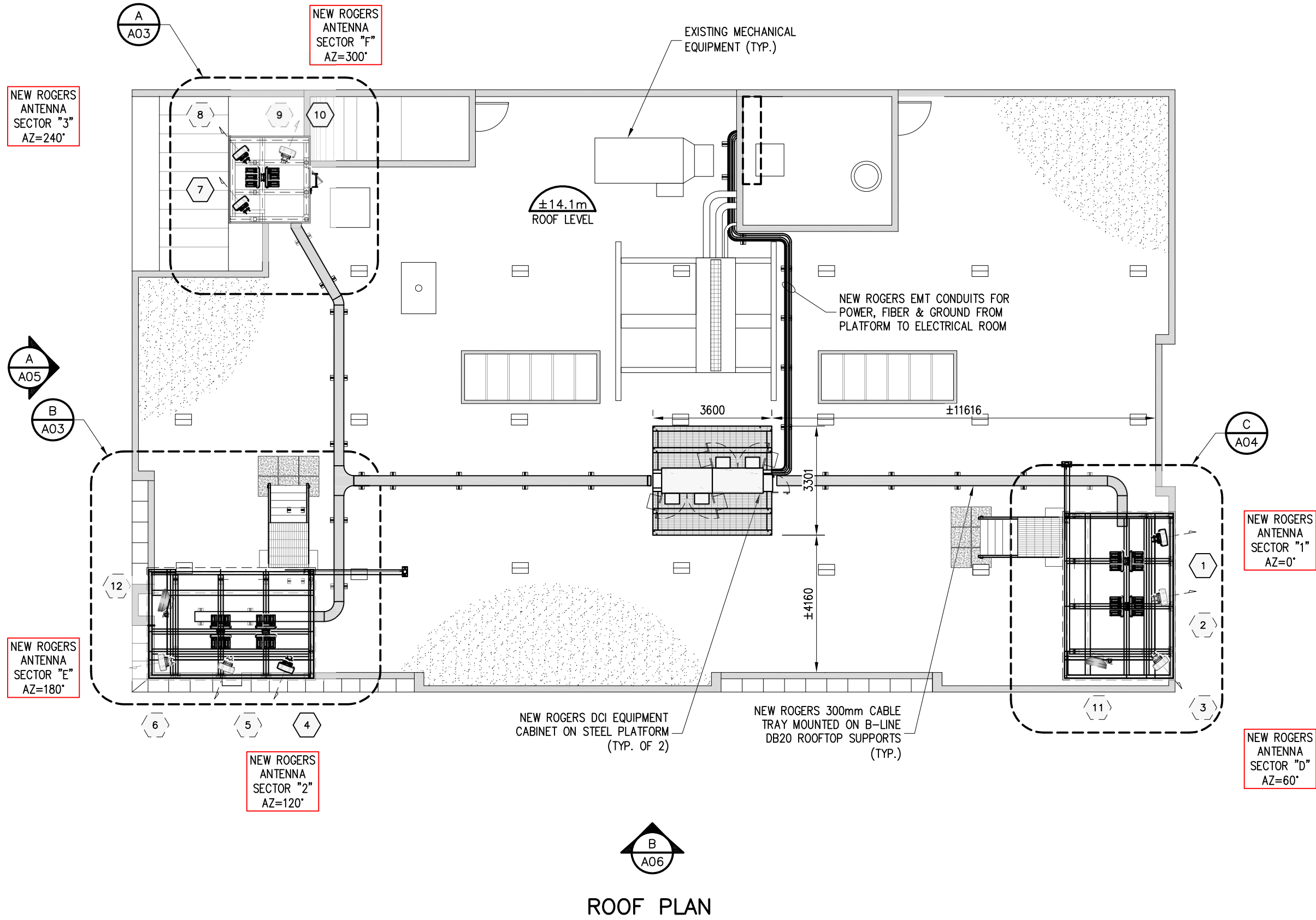
SITE PLAN

DWG. SCALE:	1:500	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELEC PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

A01





## REVISION / ISSUE HISTORY:

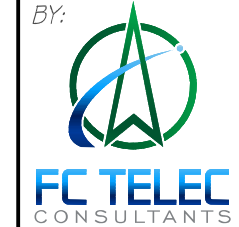
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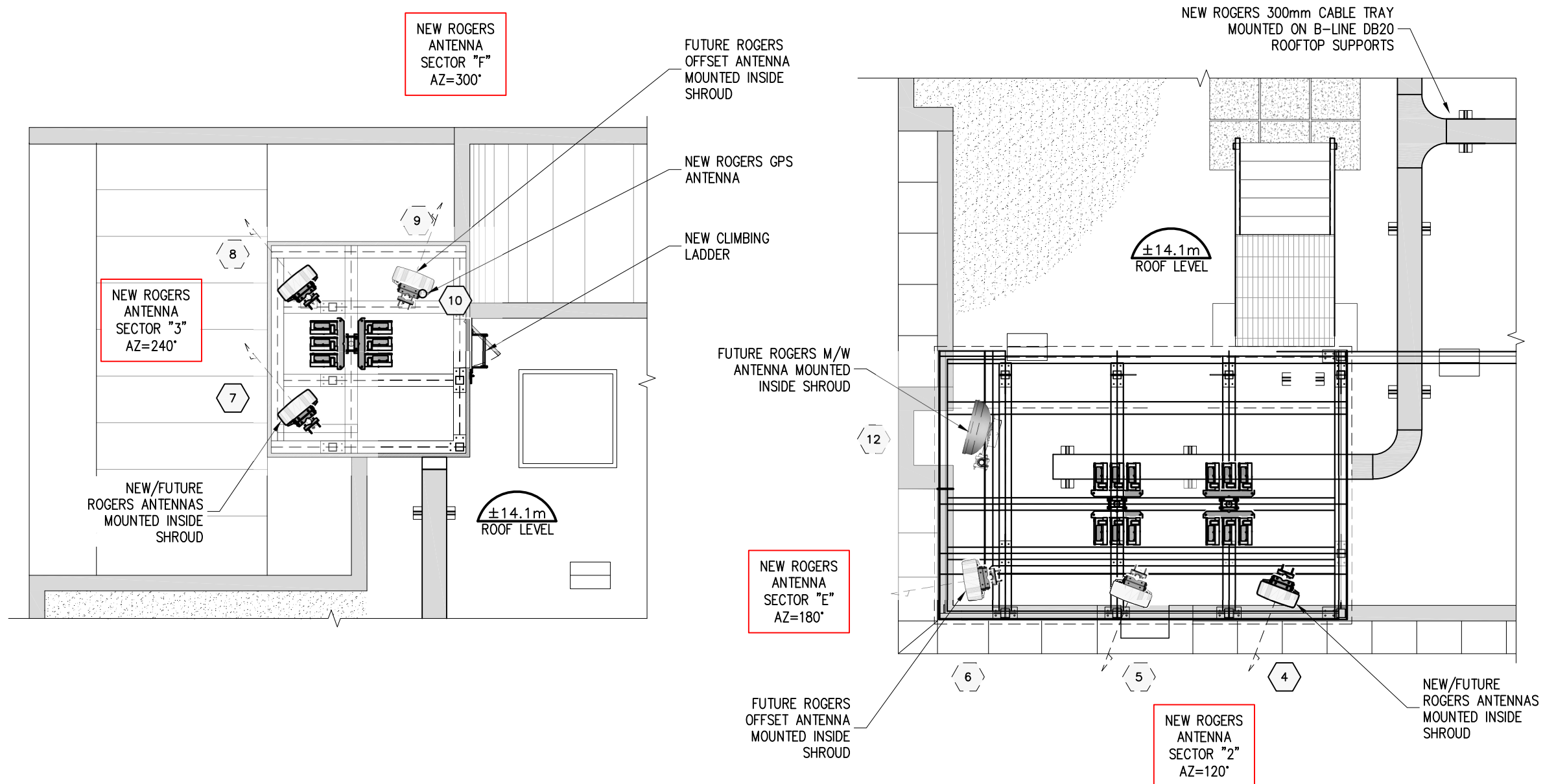
DRAWING TITLE:

ROOF PLAN

DWG. SCALE:	1:125	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELECOM PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

A02



PARTIAL ROOF PLAN A  
A02

PARTIAL ROOF PLAN B  
A02

REVISION / ISSUE HISTORY:

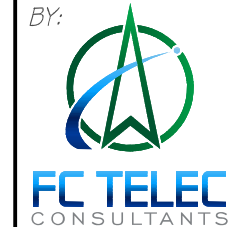
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VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

DRAWING TITLE:  
PARTIAL BUILDING PLAN  
( 1 of 2 )

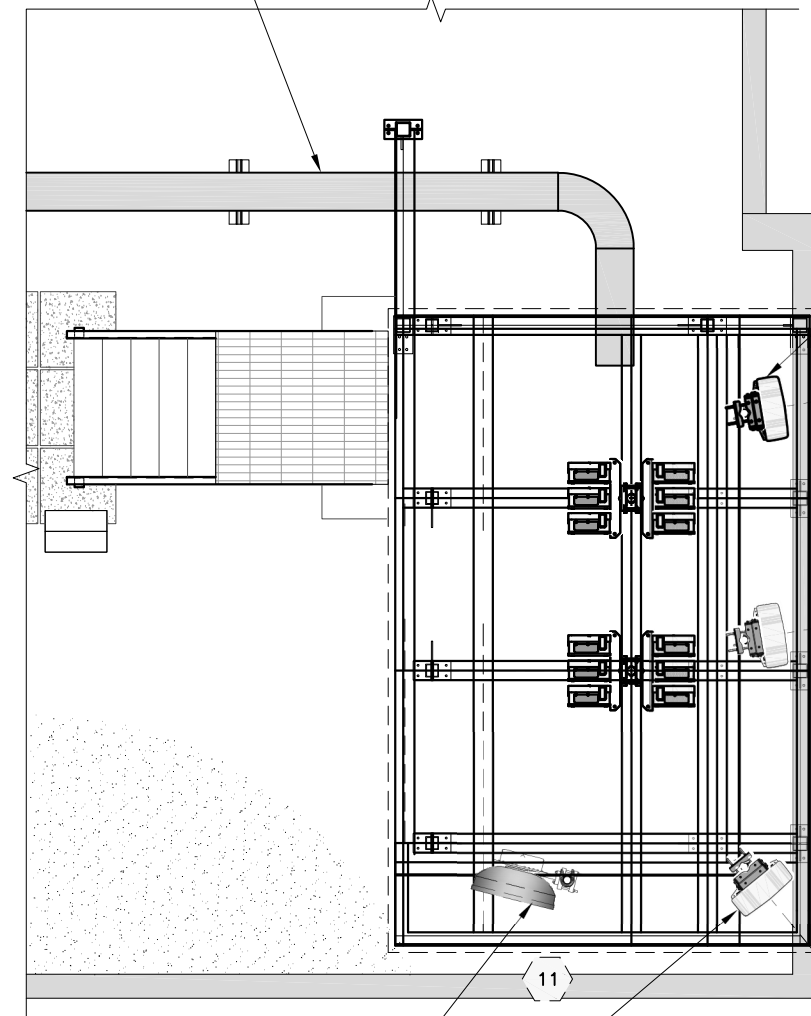
DWG. SCALE:	1:60	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELECOM PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

A03



NEW ROGERS 300mm CABLE  
TRAY MOUNTED ON B-LINE  
DB20 ROOFTOP SUPPORTS



NEW/FUTURE  
ROGERS ANTENNAS  
MOUNTED INSIDE  
SHROUD

NEW ROGERS  
ANTENNA  
SECTOR "1"  
AZ=0°

NEW ROGERS  
ANTENNA  
SECTOR "D"  
AZ=60°

FUTURE ROGERS M/W ANTENNA  
MOUNTED INSIDE SHROUD

FUTURE ROGERS OFFSET  
ANTENNA MOUNTED  
INSIDE SHROUD

PARTIAL ROOF PLAN

C  
A02

# REVISION / ISSUE HISTORY:

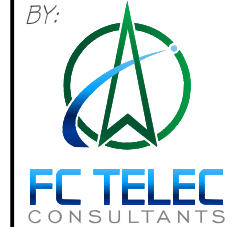
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CLIENT:



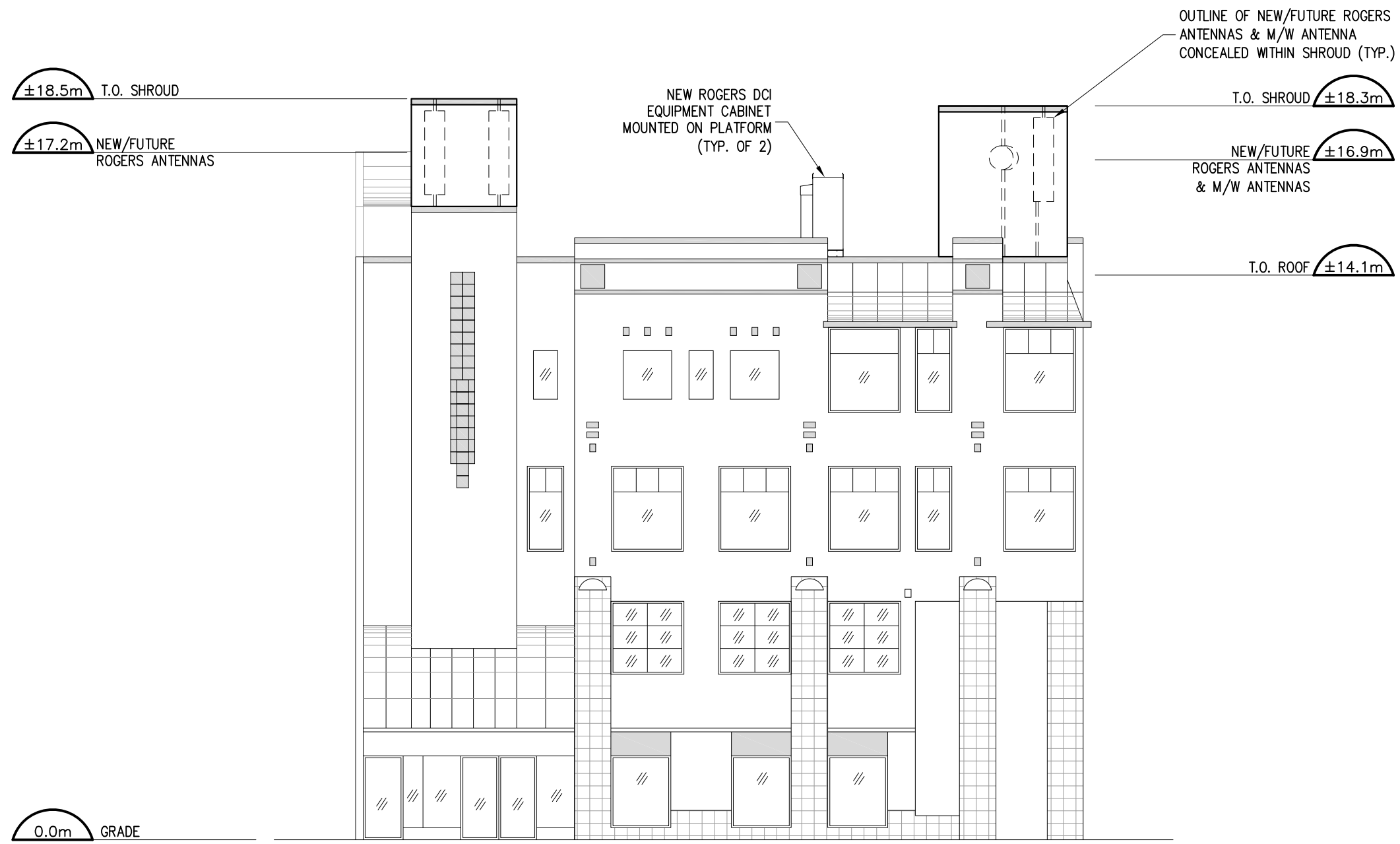
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SITE LOCATION: 888 FORT STREET  
VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

DRAWING TITLE:  
PARTIAL BUILDING PLAN  
( 2 of 2 )

DWG. SCALE:	1:60	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELECOM PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

A04



SOUTH BUILDING ELEVATION

A

A02

REVISION / ISSUE HISTORY:


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REV.	DESCRIPTION	DATE	BY

SEAL:

PROFESSIONAL  
REGISTERED  
F. N. CHUNARA  
#22715  
C. BRITISH  
COLUMBIA  
ENGINEER  
2021-05-25

PERMIT:

PRODUCED BY:



FC TELEC  
CONSULTANTS

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SITE LOCATION: 888 FORT STREET  
VICTORIA, BRITISH COLUMBIA

SITE NUMBER: W5008

DRAWING TITLE:

SOUTH BUILDING ELEVATION

DWG. SCALE:	1:125	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELEC PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

A05



OUTLINE OF NEW/FUTURE  
ROGERS ANTENNAS & M/W  
ANTENNA CONCEALED  
WITHIN SHROUD (TYP.)

NEW ROGERS DCI  
EQUIPMENT CABINET  
MOUNTED ON PLATFORM  
(TYP. OF 2)

T.O. SHROUD ±18.3m

NEW/FUTURE  
ROGERS ANTENNAS  
& M/W ANTENNAS ±16.9m

T.O. ROOF ±14.1m

0.0m GRADE

EAST BUILDING ELEVATION

B

A02

REVISION / ISSUE HISTORY:

REV.	DESCRIPTION	DATE	BY
1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
0	ISSUED FOR CONSTRUCTION	01 FEB 21	G.M.
A	ISSUED FOR PRELIMINARY REVIEW	18 JUN 20	G.M.

SEAL:



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CLIENT:

**ROGERS**

SITE NAME: QUADRA & VIEW  
SITE LOCATION: 888 FORT STREET  
VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

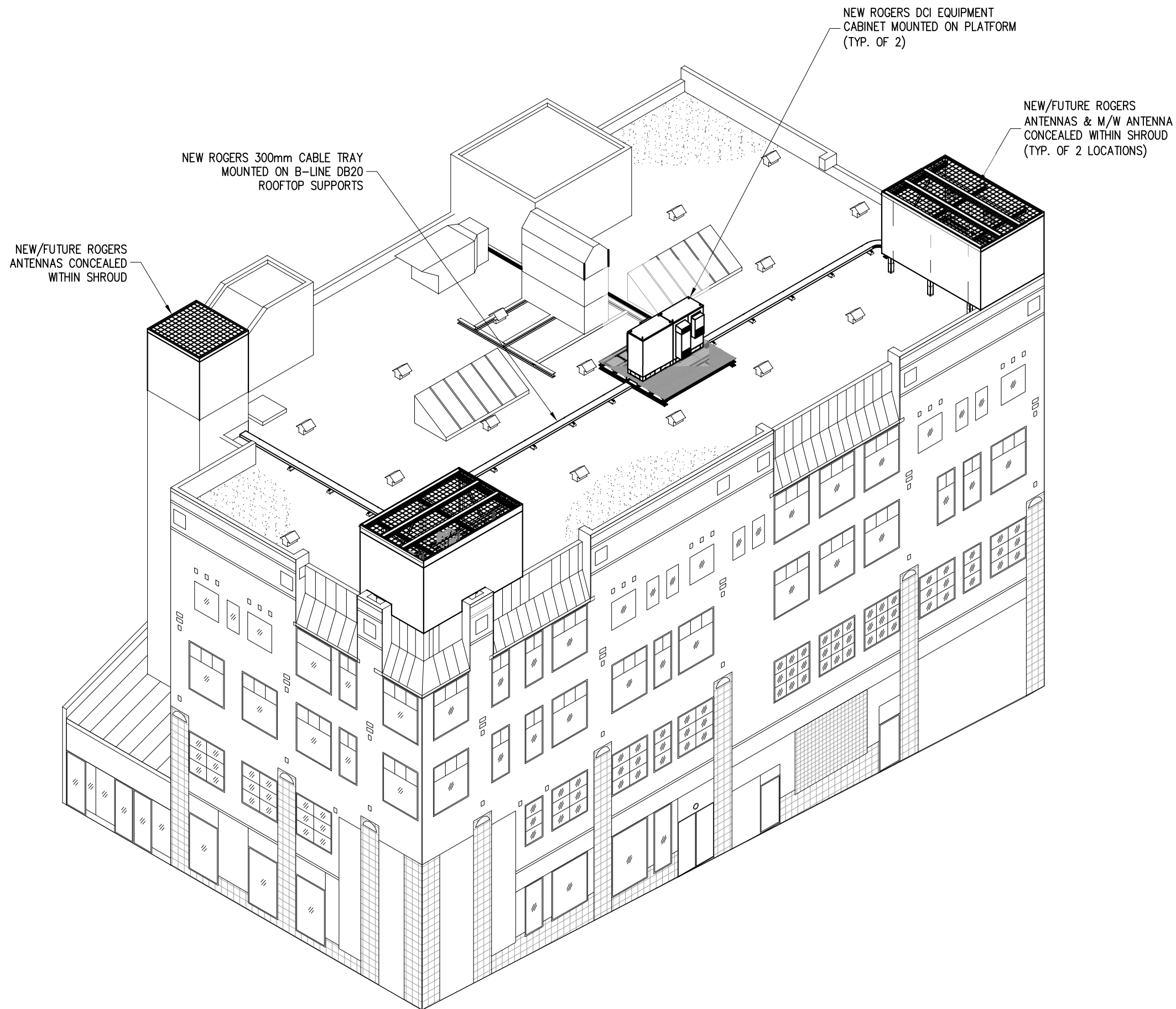
DRAWING TITLE:

EAST BUILDING ELEVATION

DWG. SCALE:	1:125	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELEC PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

A06



**BUILDING ISOMETRIC**

REVISION / ISSUE HISTORY:

REV.	DESCRIPTION	DATE	BY
1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
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A	ISSUED FOR PRELIMINARY REVIEW	18 JUN 20	G.M.

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CLIENT:



SITE NAME: QUADRA & VIEW  
SITE LOCATION: 888 FORT STREET  
VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

DRAWING TITLE:

**BUILDING ISOMETRIC**

DWG. SCALE:

NO SCALE

DRAWN BY:

G. MEJIA

DATE:

JUNE 09 2020

CHECKED BY:

F. CHUNARA

FC TELEC PROJECT NUMBER:

20062

APPROVED BY:

F. CHUNARA

DRAWING NUMBER:

A07

## POWER

1. ALL ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE MUNICIPAL AND PROVINCIAL CODES AND REGULATIONS, AND UTILITY GUIDELINES.
2. CONTRACTOR TO OBTAIN ALL NECESSARY ELECTRICAL PERMITS AND PAY ALL FEES AS REQUIRED TO COMPLETE THE ELECTRICAL WORK. UPON PROJECT COMPLETION AND PRIOR TO REQUESTING FINAL INSPECTION, DELIVER A COPY OF THE FINAL ELECTRICAL INSPECTION CERTIFICATE TO THE ENGINEER.
3. PRIOR TO CONSTRUCTION, PERFORM ON-SITE VERIFICATION OF THE EXISTING SITE AND ELECTRICAL SYSTEM AND REPORT ANY DISCREPANCIES TO THE ENGINEER. FIELD MEASUREMENTS AND EXACT RACEWAY ROUTING ARE THE RESPONSIBILITY OF THE CONTRACTOR (AND MUST BE CONSIDERED PRIOR TO SUBMITTING BID).
- 3.5 OBTAIN LOCATES PRIOR TO ANY EXCAVATION AND PROTECT ALL BURIED UTILITIES. REINSTATE ALL DISTURBED SURFACES TO PRE-CONSTRUCTION CONDITIONS.
4. REVIEW THE ELECTRICAL DRAWINGS IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER DISCIPLINES, INCLUDING THE CARRIER TECHNICAL SPECIFICATION PROVIDED BY CARRIER. REPORT ANY DISCREPANCIES TO CARRIER AND CONSULTANT.
5. PROVIDE TEMPORARY POWER TO ALL TRADES DURING CONSTRUCTION AS REQUIRED.
6. ALL WIRING, DEVICES AND EQUIPMENT SHALL BE NEW AND CSA APPROVED. EQUIPMENT OF SAME TYPE SHALL BE OF THE SAME MANUFACTURER.
7. INSTALL A 3mm NYLON PULL CORD IN ALL CONDUITS.
8. PROVIDE LAMICOID ON ALL INSTALLED ELECTRICAL EQUIPMENT.
9. THE CONTRACTOR SHALL ALIGN EXPOSED CONDUIT RUNS PARALLEL TO AND AT RIGHT ANGLE WITH THE BUILDING WALLS. PRECISELY PLACE, LEVEL AND ADJUST TO PLUMB ALL THE CABLE TRAYS, CONDUITS AND SUSPENDING RODS. CONDUITS AND TRAY SHALL BE SOLIDLY ANCHORED IN CONFORMANCE WITH THIS DRAWING SET. IF DETAILS ARE NOT SUFFICIENT, ENGINEER TO PROVIDE ADDITIONAL DETAILS.
10. THE CONTRACTORS SHALL NOT RUN CONDUITS PARALLEL TO HOT WATER OR STEAM LINES. THE CONTRACTOR SHALL MAINTAIN AT LEAST 100mm SEPARATION AT CROSSEOVERS. DISSIMILAR METALS SHALL BE GALVANICALLY ISOLATED.
11. WHEN ONE OR MORE CONDUIT ARE RUN, THEY SHALL BE MOUNTED NEATLY ON STRUT, UNLESS SHOWN OTHERWISE.
12. ALL TRANSFORMERS SHALL BE 'DRY-TYPE' AIR COOLED WITH GRID ENCLOSURE AND TYPE H INSULATION. WHEN INSTALLING TRANSFORMERS, THE CONTRACTOR SHALL RESPECT ALL CLEARANCES FOR VENTILATION AND SEISMIC.
13. ALL PANELBOARDS SHALL BE WITH BOLT-ON BRANCH AND MAIN MOULDED CASE CIRCUIT BREAKERS UNLESS SPECIFIED OTHERWISE.
14. ALL FUSES TO BE BUSSMAN HRC UNLESS SPECIFIED OTHERWISE. THE CONTRACTOR SHALL RESPECT THE SYMMETRY FOR THE EXPOSED PART OF THE ELECTRICAL INSTALLATION AND SHALL REPORT ANY PROBLEMS TO THE ENGINEER.
15. USE ISOLATED NEUTRAL FOR METER GROUND CONNECTION WHERE METERS ARE SHOWN.
16. UPON COMPLETION OF THE INSTALLATION, OPERATE AND ADJUST ALL EQUIPMENT AND SYSTEMS TO MEET SPECIFIED PERFORMANCE REQUIREMENTS. ALL TESTING SHALL BE DONE BY QUALIFIED PERSONNEL.
17. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE POWER AND TELEPHONE COMPANIES AND SHALL COMPLY WITH ALL SERVICE REQUIREMENTS FOR EACH UTILITY COMPANY.
18. ALL NECESSARY EXCAVATIONS AND BACKFILLING INCIDENTAL TO THE WORK UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWING SHALL BE PROVIDED BY THE CONTRACTOR.
19. COORDINATION OF ALL SLEEVES, CHASES, ETS., WILL BE REQUIRED PRIOR TO THE CONSTRUCTION OF ANY PORTION OF THE WORK. ALL CUTTING AND PATCHING OF WALLS, PARTITIONS, FLOORS, AND CHASES IN CONCRETE, WOOD, STEEL OR MASONRY SHALL BE DONE AS PROVIDED ON THE DRAWINGS.
20. SEAL ALL PENETRATION THROUGH WALL AND FLOORS WITH APPROVED GROUT AND/OR FIRESTOP.
21. WHERE INSTALLED ON EXTERIORS AND EXPOSED TO DAMAGE, ALL CONDUIT SHALL BE RIGID STEEL. ALUMINUM CONDUIT SHALL NOT BE ALLOWED.
22. NEW CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AS DETERMINED BY THE LOCAL UTILITY. CONTRACTOR SHALL VERIFY MAXIMUM AVAILABLE FAULT CURRENT, AND COORDINATE INSTALLATION WITH THE LOCAL UTILITY BEFORE STARTING WORK.
23. ALL CONDUCTORS SHALL BE COPPER, THE USE OF ALUMINUM CONDUCTORS SHALL NOT BE ALLOWED.
26. PRIOR TO ORDERING EQUIPMENT, PROVIDE SHOP DRAWINGS (2 SETS) FOR ALL ELECTRICAL EQUIPMENT SPECIFIED FOR APPROVAL.
27. ALL NEW OVERCURRENT DEVICES AND ELECTRICAL EQUIPMENT TO HAVE AN A.I.C. RATING GREATER THAN THE AVAILABLE FAULT CURRENT THEY MAY BE SUBJECTED TO (10KA MIN.)
28. WHERE CONDUITS/DUCTS TRANSITION FROM BELOW GRADE TO VERTICAL, PROVIDE (ABOVE GRADE) EXPANSION JOINTS IN ACCORDANCE WITH CEC OR AS PER UTILITY REQUIREMENTS.
29. WHEN EQUIPMENT MODIFICATIONS ARE REQUIRED TO FACILITATE CONDUCTOR CONNECTIONS TO AN EXISTING SWITCHBOARD, SPLITTER, BUS DUCT ETC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY MANUFACTURER, CSA OR THIRD PARTY APPROVALS TO THE SATISFACTION OF LOCAL ELECTRICAL INSPECTION.

## GROUNDING

1. ALL INDOOR GROUND CONDUCTORS, UNLESS SPECIFIED OTHERWISE, SHALL BE 2/0 COPPER WITH GREEN INSULATED JACKET. ALL OUTDOOR GROUND CONDUCTORS, UNLESS SPECIFIED OTHERWISE, SHALL BE 2/0 TINNED COPPER WITH BLACK INSULATED JACKET.
2. ALL GROUND LUGS TO BE 2 (TWO) HOLE LONG BARREL COMPRESSION TYPE. FASTENERS USED TO ATTACH GROUND LUGS TO THE COPPER GROUND BUS ARE TO BE OF COPPER OR SILICON BRONZE ONLY. USE ONLY 'C' TAPS TO CONNECT EQUIPMENT AND OTHER GROUNDS TO MAIN GROUND CONDUCTOR. GROUND CONNECTIONS TO BE MADE IN THE DIRECTION OF BUILDING GROUND. LOCK WASHERS SHALL BE INSTALLED WHERE MECHANICAL CONNECTIONS ARE NECESSARY. ALL CONNECTIONS TO BE TREATED WITH A NON-OXIDANT COMPOUND PRIOR TO INSTALLATION.
3. AIR TERMINALS WHEN INSTALLED SHALL BE CONNECTED DIRECTLY TO THE MAIN GROUND RUN.
4. WHEN GROUND RODS ARE INSTALLED, THE CONTRACTOR WILL PERFORM A GROUND RESISTANCE TEST USING A METHOD ACCEPTABLE AND APPROVED BY THE ENGINEER AND SUBMIT THE RESULTS TO THE ENGINEER. IF THE GROUND RESISTANCE EXCEEDS 5 (FIVE) OHMS, ADDITIONAL GROUND RODS NEED TO BE INSTALLED.
5. WHEN GROUND RODS ARE INSTALLED, THEY SHALL BE 3050mm LONG x 16mm DIAMETER, COPPER PLATED STEEL AND BURIED MINIMUM 150mm BELOW GRADE AND 600mm FROM ANY FOUNDATIONS (UNLESS STATED OTHERWISE). THE CONTRACTOR SHALL VERIFY IN WRITING THAT THE GROUND IS CONTINUOUS AT ANY POINT IN THE GROUNDING SYSTEM BY USE OF GROUND CONTINUITY TESTERS.
6. ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC WELDS.
7. ALL GROUND CONNECTIONS ARE TO BE CLEAN AND FREE OF PAINT AT THEIR MATING SURFACES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. USE "PENETROX" OR EQUIVALENT ANTIOXIDANT GREASE.
8. ALL HORIZONTAL LADDER TRAY AND EMT ENDS ARE TO BE BONDED TO GROUND THROUGHOUT THE INSTALLATION AS PER CODE REQUIREMENTS.
9. PROVIDE BUSHINGS ON ALL EMT TERMINATIONS AND BOND TERMINATIONS TO GROUND.
10. CONNECT CABLES TO GROUNDING BAR IN COMPLIANCE WITH PANI STANDARD: P-SURGE PRODUCER, A-SURGE ABSORBER, N-NON-ISOLATED CABLES, I-ISOLATED CABLES.
11. ALL ELECTRICAL NEUTRALS, RACEWAYS AND NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT AND ASSOCIATED ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH CEC. THIS SHALL INCLUDE NEUTRAL CONDUCTORS, CONDUITS, SUPPORTS, CABINETS, BOXES, GROUND BUSSES, ETC. THE NEUTRAL CONDUCTOR FOR EACH SYSTEM SHALL BE GROUNDED BY ONE POINT ONLY.

## COMMUNICATION

1. CONTRACTOR TO PERFORM SWEEP TEST IN ACCORDANCE WITH CARRIER REQUIREMENTS TO ENSURE PROPER EQUIPMENT FUNCTIONALITY. TEST RESULTS SHALL BE FORWARDED TO CARRIER. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE SWEEP TESTS PASS. THE CONTRACTOR SHALL HAVE ALL NECESSARY CREW TO TROUBLESHOOT, REPAIR OR REPLACE FAULTY LINES AND CONNECTORS DURING SWEEPING.
2. ALL OUTDOOR CABLES TRAYS SHALL BE LADDER TYPE COMPLETE WITH COVER.
3. CABLE TRAYS ON PENTHOUSE WALLS SHALL ALSO BE PAINTED TO MATCH EXISTING BUILDING. CABLE TRAYS ON ROOF SHALL BE MOUNTED ON NON-PENETRATING MOUNTS.
4. ALL ANTENNA SUPPORTS, CABLES AND ACCESSORIES SHALL BE SUPPLIED BY THE CONTRACTOR. SHELTER, WICs, RADIOS, ANTENNA AND AUXILIARY CABINET SUPPLIED BY OTHERS BUT PICKED UP BY THE CONTRACTOR.
5. ANTENNAS ARE ORIENTED ACCORDING TO THE GEOGRAPHIC NORTH.
6. LABEL ANTENNA CABLES AT EQUIPMENT AND AT ANTENNAS AS PER CARRIER REQUIREMENTS.
7. ALL JUMPER CABLES TO THE EQUIPMENT CABINETS MUST BE OF PROPER LENGTH WITH LESS THAN 150mm SLACK. IF JUMPER INSTALLATION MUST BE PERFORMED PRIOR TO EQUIPMENT INSTALLATION, THE CONTRACTOR MUST ENSURE THAT THEY ARE CUT TO APPROPRIATE LENGTH AND PROTECTED UNTIL EQUIPMENT IS INSTALLED.
8. DOGHOUSES FOR CABLE TRAY PENETRATION THROUGH ROOFS ARE AS PER THE DRAWING DETAILS. IN ALL CASES THE ROOFING REPAIRS MUST BE DONE WITH A CERTIFIED ROOFER AND MUST HAVE A WARRANTY. HOLES TO BE MADE IN THE EXISTING STRUCTURE MUST BE APPROVED BY THE CONSULTANT AND MAY REQUIRE X-RAYING.
9. BENDING RADIUS FOR FIBER OPTIC CABLES WHEN PULLING IN CONDUIT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. USE LONG SWEEP ELBOWS TO COMPLY WITH THE BEND RADIUS REQUIREMENTS.

### DRAWING LEGEND

- |  |  |  |   |
|--|--|--|---|
|  | HELIX CABLE  |  | NUMBER OR LETTER<br>INDICATING THE SECTION,<br>ELEVATION, DETAIL OR NOTE.                 |
|  | GROUNDING LINE   |  |   |
|  | POWER  |  |   |
|  | TRENCHED POWER   |  |   |
|  | FIBER  |  |   |
|  | TRENCHED FIBER   |  | DOUBLE HEAD 8W<br>EMERGENCY LIGHTING c/w<br>50W BATTERY PACK                              |
|  | TELEPHONE  |  | FIRE EXTINGUISHER   |
|  | TRENCHED TELEPHONE   |  | HIGH TEMP ALARM   |
|  | CABLE  |  | LOW TEMP ALARM  |
|  | TRENCHED CABLE   |  | DOOR CONTACT ALARM  |
|  | ALARM  |  |   |
|  | TRENCHED ALARM   |  | 4' FLUORESCENT T8 FIXTURE<br>c/w 2x32W T8 FLUORESCENT<br>TUBE AND REMOVABLE WIRE<br>GUARD |
|  | FIBER & POWER  |  |   |
|  | TRENCHED FIBER &<br>POWER                                  |  | HEAT DETECTOR   |
|  | FIBER & TELEPHONE  |  | SMOKE DETECTOR  |
|  | TRENCHED FIBER &<br>TELEPHONE                              |  | FIRE ALARM BELL   |
|  | DC CABLE   |  | EXISTING MECHANICAL<br>EQUIPMENT  |
|  | RECEPTACLE   |  | AIR TERMINAL  |
|  | GROUNDING ROD  |  | 120V. 1Ø DIRECT CONNECTION<br>TO EQUIPMENT SUPPLIED BY<br>OTHERS DIVISIONS                |
|  | C-TAP CONNECTION   |  | TRANSFORMER   |
|  | DOWN RUN   |  | TRANSFORMER   |
|  | UP RUN   |  | JUNCTION BOX  |
|  | ANTENNA  |  | MANUAL TRANSFER SWITCH  |
|  | CADWELD  |  | 15A 120V SWITCH   |
|  | SURFACE MOUNTED<br>PANEL BOARD                             |  |   |
|  | DENOTES CABLE OR<br>CONDUIT TURNING UP IN<br>PLAN VIEW     |  |   |
|  | DENOTES CABLE OR<br>CONDUIT TURNING DOWN<br>IN PLAN VIEW   |  |   |
|  | CHANGE IN ELEVATION<br>OF CABLE OR CONDUIT<br>IN PLAN VIEW |  |   |

ROGERS CONSTRUCTION SPECIFICATIONS FORM AN INTEGRAL PART OF THESE SPECIFICATIONS. ROGERS TO PROVIDE SPECIFICATIONS AS PART OF TENDER PACKAGE TO CONTRACTOR.

REVISION / ISSUE HISTORY:

1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
0	ISSUED FOR CONSTRUCTION	01 FEB 21	G.M.
REV.	DESCRIPTION	DATE	BY

SEAL:



2021-05-25

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CLIENT:



SITE NAME: QUADRA & VIEW

**SITE LOCATION:** 888 FORT STREET  
VICTORIA, BRITISH COLUMBIA

SITE NUMBER: W5008

DRAWING TITLE:

## ELECTRICAL NOTES

DWG. SCALE:

NO SCALE

DRAWN BY:

G. MEJIA

DATE:

JUNE 09 2020

CHECKED BY:	
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F. CHUNARA

FC TELEC PROJECT NUMBER: 20062

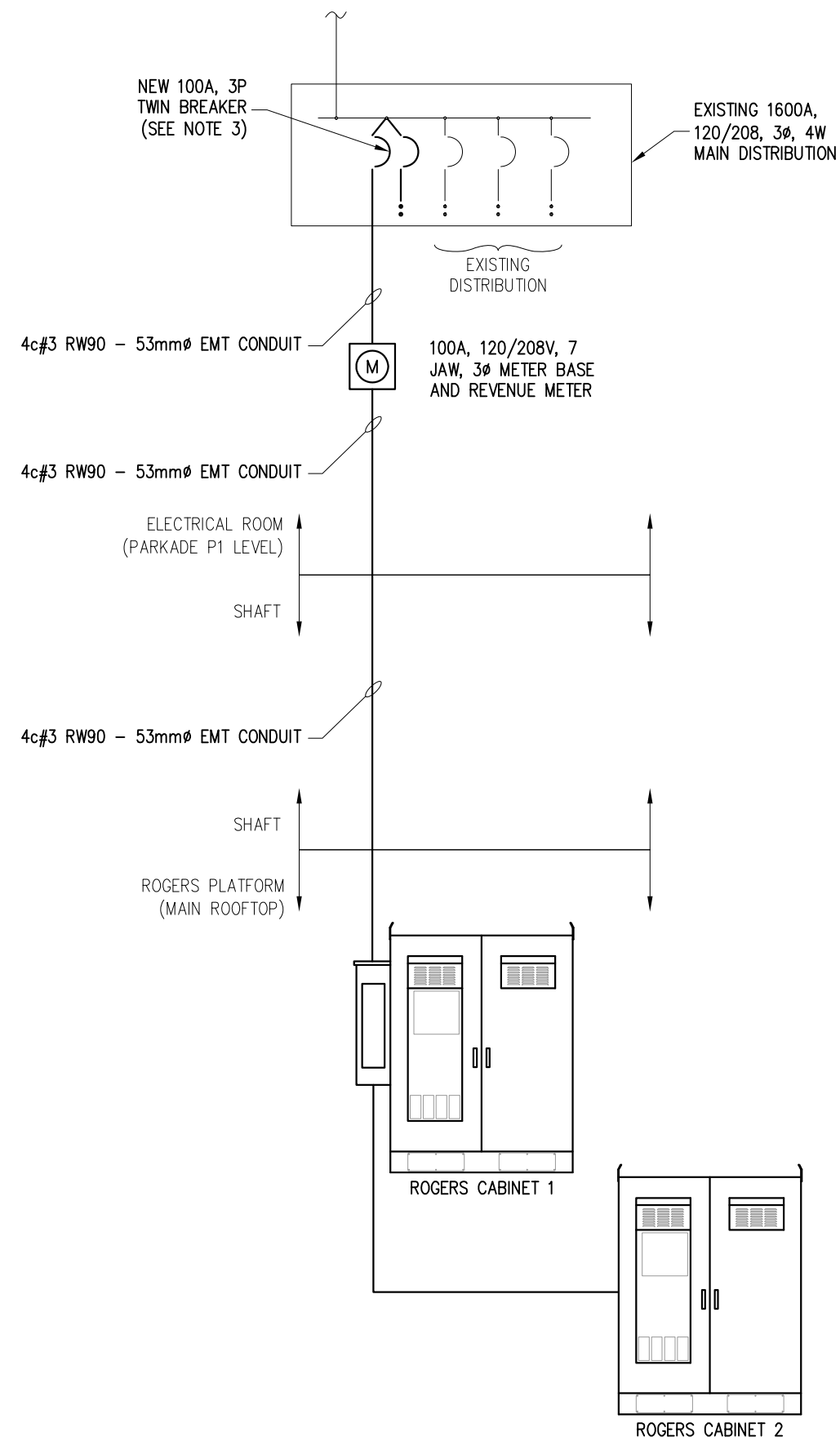
APPROVED BY:

F. CHUNARA

DRAWING NUMBER:

EO 1





SINGLE LINE DIAGRAM

- NOTES:
- 1. LEAVE PULL ROPE IN ALL CONDUITS.
  - 2. ALL ROGERS EQUIPMENT INCLUDING METER A SHALL BE PROVIDED WITH A LAMICOID LABEL TO IDENTIFY "PROPERTY OR ROGERS".
  - 3. INSTALL TWIN BREAKER. USE (1) TO FEED ROGERS EQUIPMENT AND LABEL (1) AS SPARE.

REVISION / ISSUE HISTORY:

1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
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REV.	DESCRIPTION	DATE	BY

SEAL:

PROFESSIONAL  
REGISTERED  
F. N. CHUNARA  
#22715  
BRITISH COLUMBIA  
ENGINEER  
2021-05-25

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DRAWING TITLE:

SINGLE LINE DIAGRAM

DWG. SCALE: NO SCALE

DRAWN BY: G. MEJIA

DATE: JUNE 09 2020

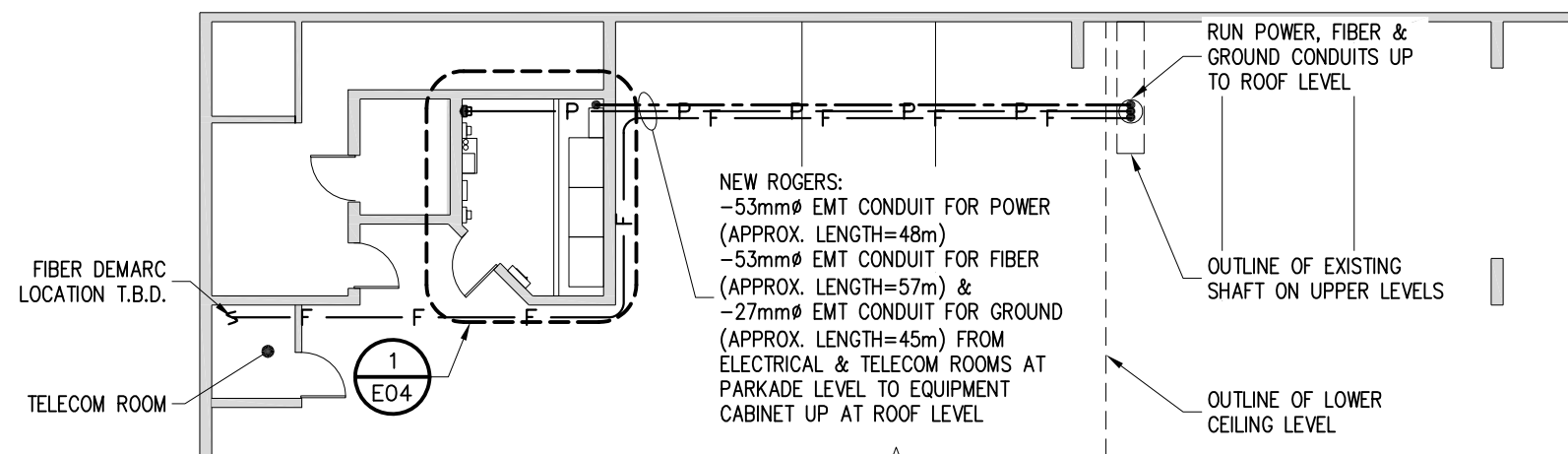
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FC TELEC PROJECT NUMBER: 20062

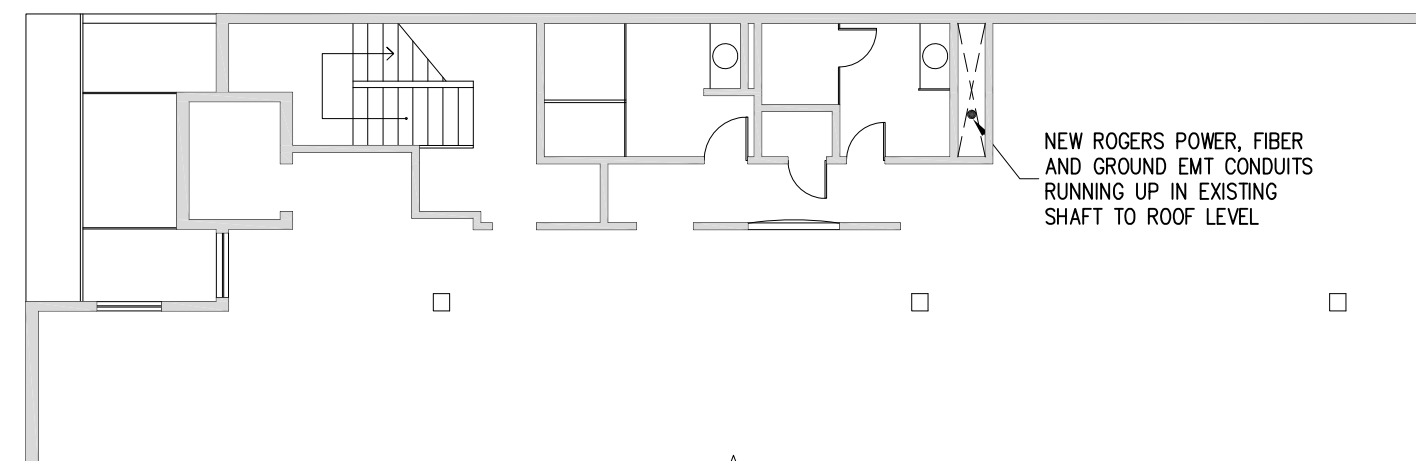
APPROVED BY: F. CHUNARA

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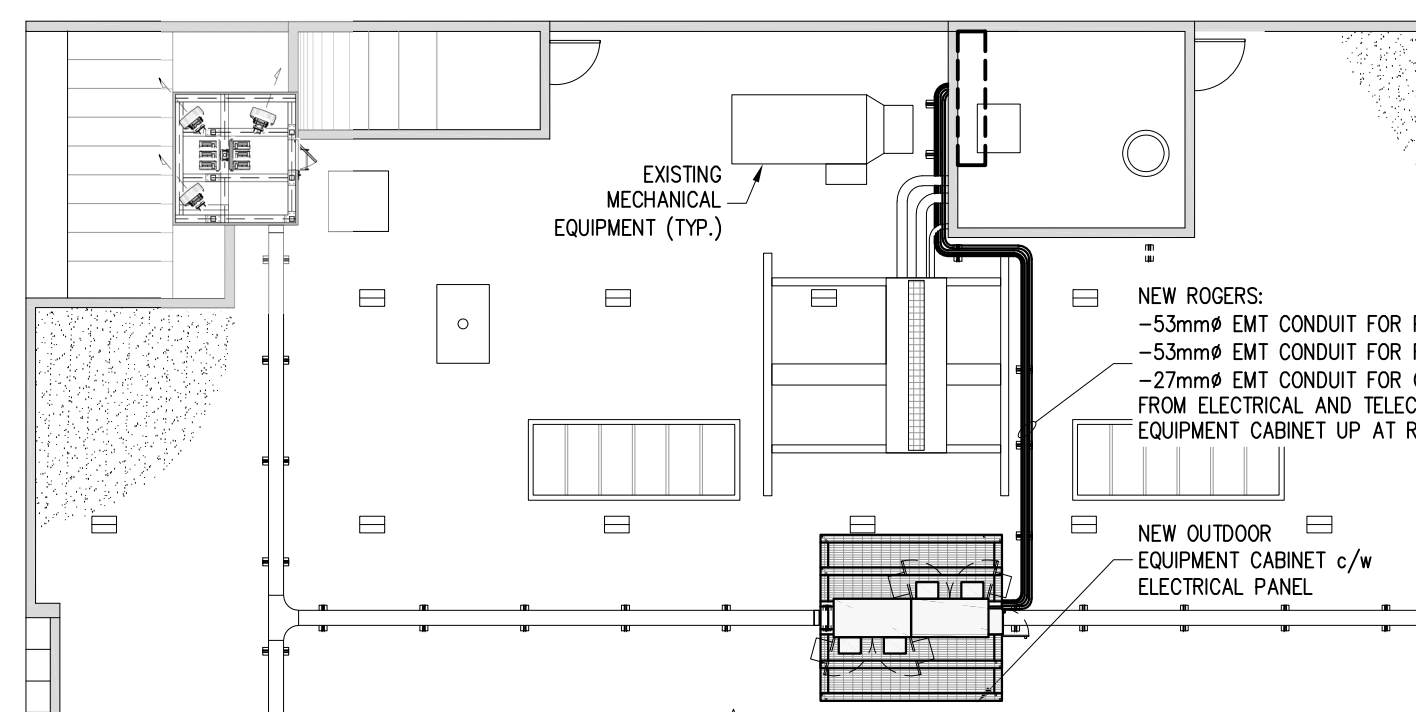
E02



PARTIAL BASEMENT PLAN



PARTIAL LEVEL 1, 2 & 3 OFFICE PLAN



PARTIAL ROOFTOP PLAN

REVISION / ISSUE HISTORY:

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VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

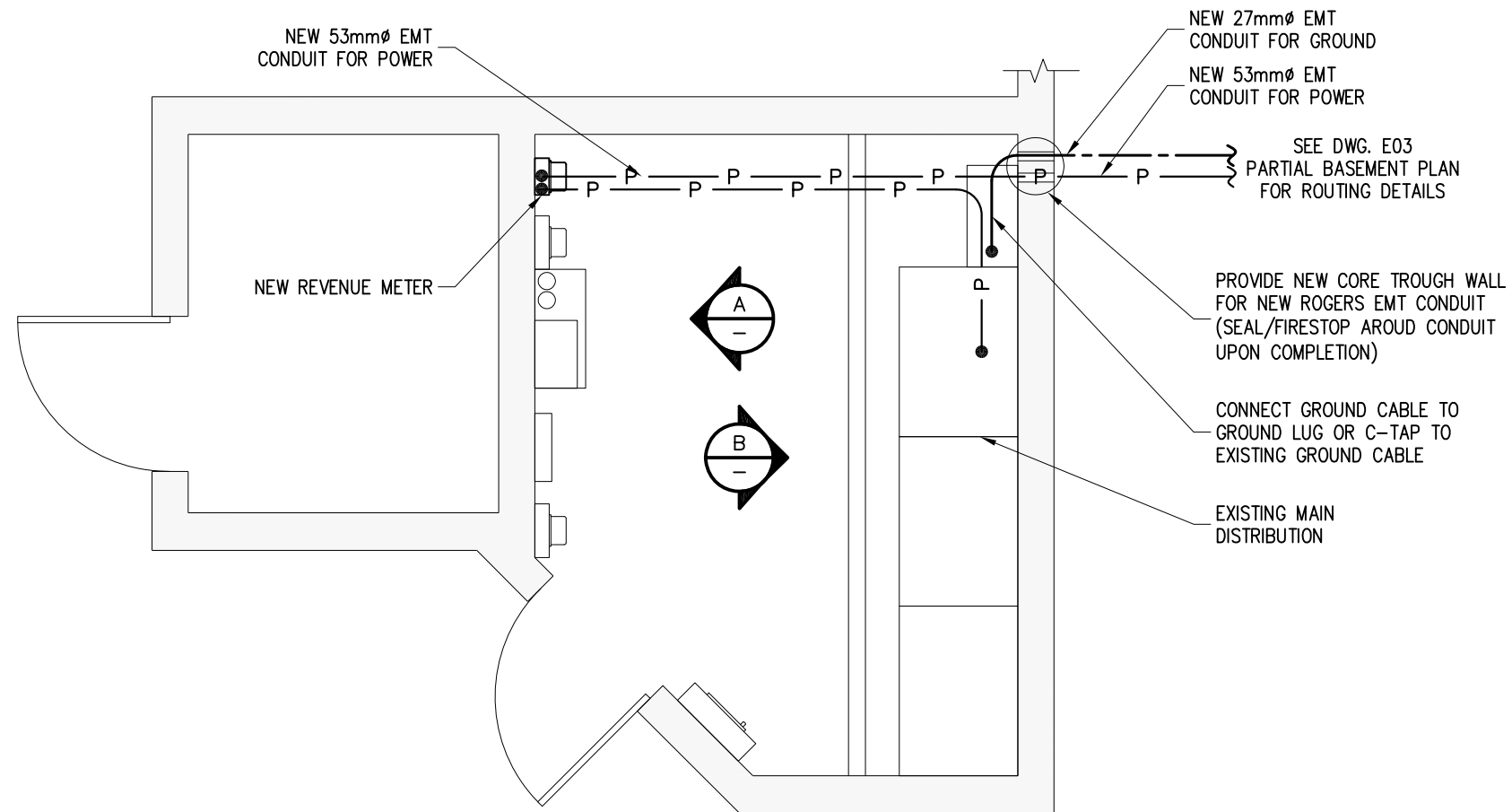
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ELECTRICAL ROUTING

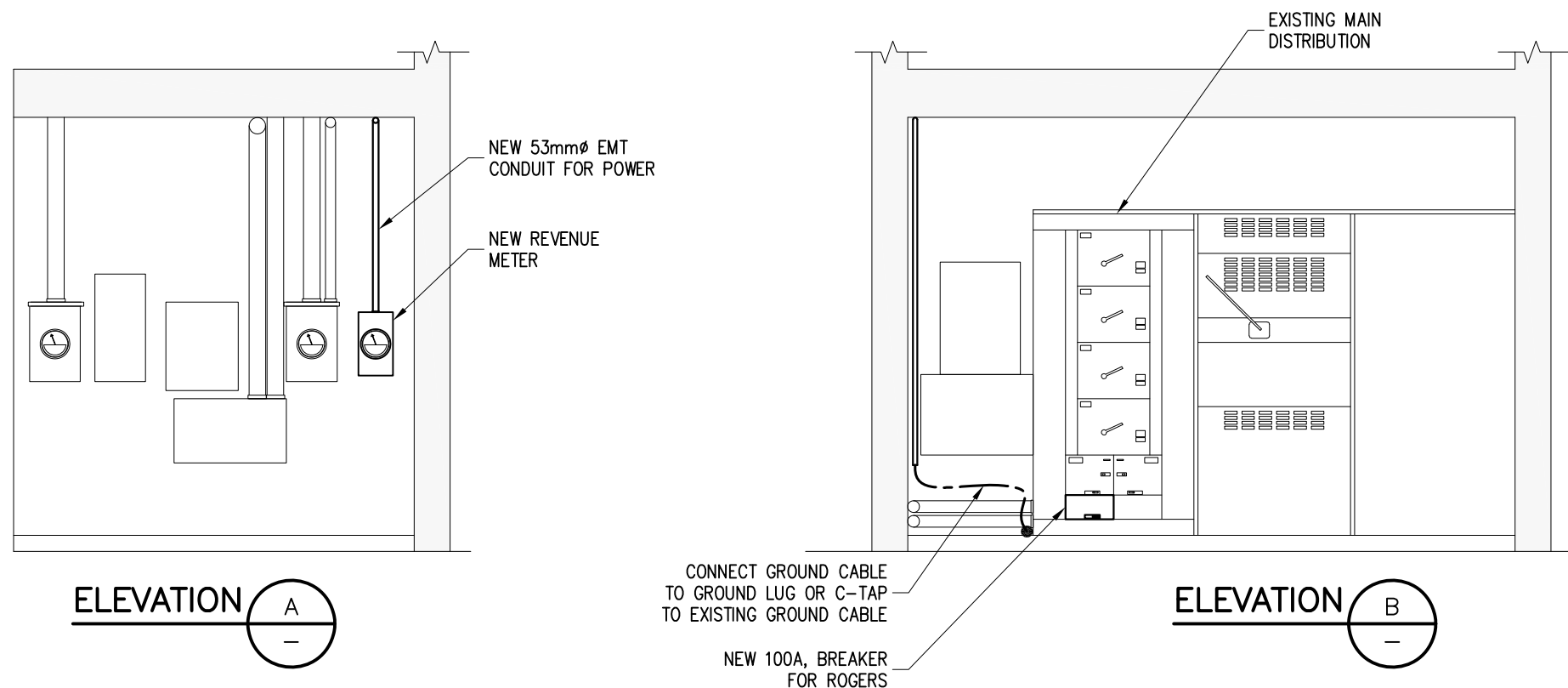
DWG. SCALE:	1:150	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELECOM PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

E03



ELECTRICAL ROOM @ PARKADE LEVEL 1  
E03



ELEVATION A

ELEVATION B

REVISION / ISSUE HISTORY:

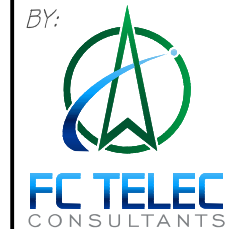
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VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

DRAWING TITLE:

ELECTRICAL ROUTING DETAILS

DWG. SCALE:	1:40	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELEC PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

E04





A  
E06

C  
E06

B  
E06

C  
E06

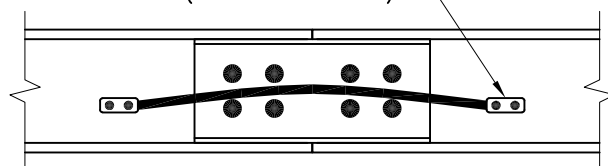
SEE  
DETAIL '1'  
BELOW  
FOR  
DETAILS

SEE  
DETAIL '2'  
BELOW  
FOR  
DETAILS

## ROOFTOP GROUNDING PLAN

1:125

LADDER TRAY @ JUNCTIONS CONNECTED  
WITH 1-#6 TW GREEN GROUND WIRE.  
(TYP. ALL JUNCTIONS)



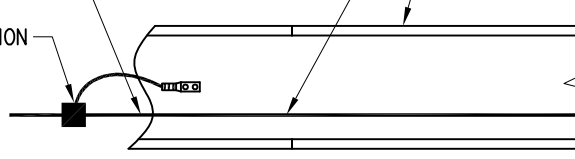
### NEW CABLE TRAY GROUNDING DETAIL

1:10

1  
—

#6 AWG STRAP  
CONNECTING CABLE TRAY  
TO GROUND CABLE EVERY  
CABLE TRAY SECTION  
USING TWO HOLE LUGS.

C-TAP CONNECTION



### NEW CABLE TRAY GROUNDING DETAIL

1:10

2  
—

#### NOTES:

- ALL GROUNDING CONNECTIONS ARE TO BE CLEAN AND FREE OF PAINT AT THEIR MATING SURFACES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. USE "PENETROX" OR EQUIVALENT ANTI-OXIDANT GREASE.
- REFER TO LATEST ROGERS "GROUNDING/BONDING & LIGHTNING PROTECTION" SPECIFICATIONS FOR ALL FULL GROUNDING REQUIREMENTS.

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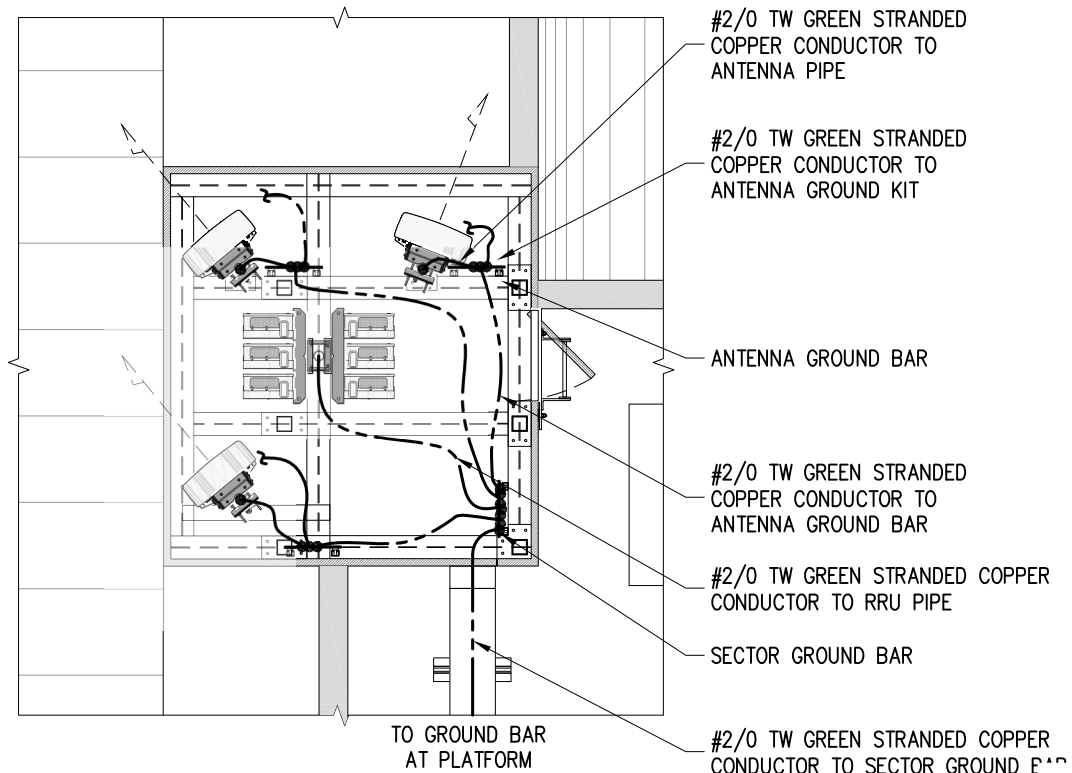
DRAWING TITLE:

#### ROOFTOP GROUNDING PLAN & DETAILS

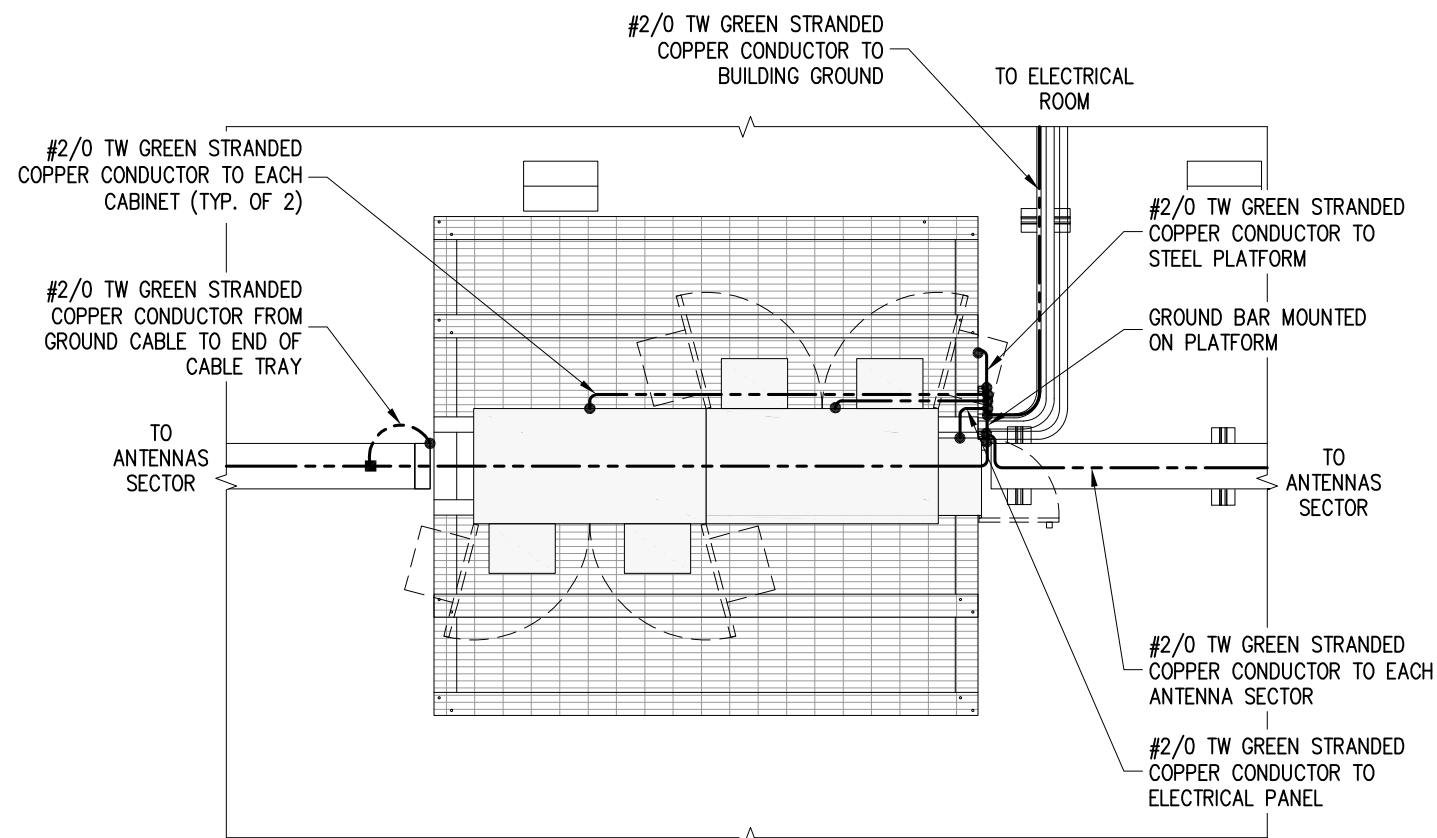
DWG. SCALE:	AS NOTED	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELECOM PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

E05



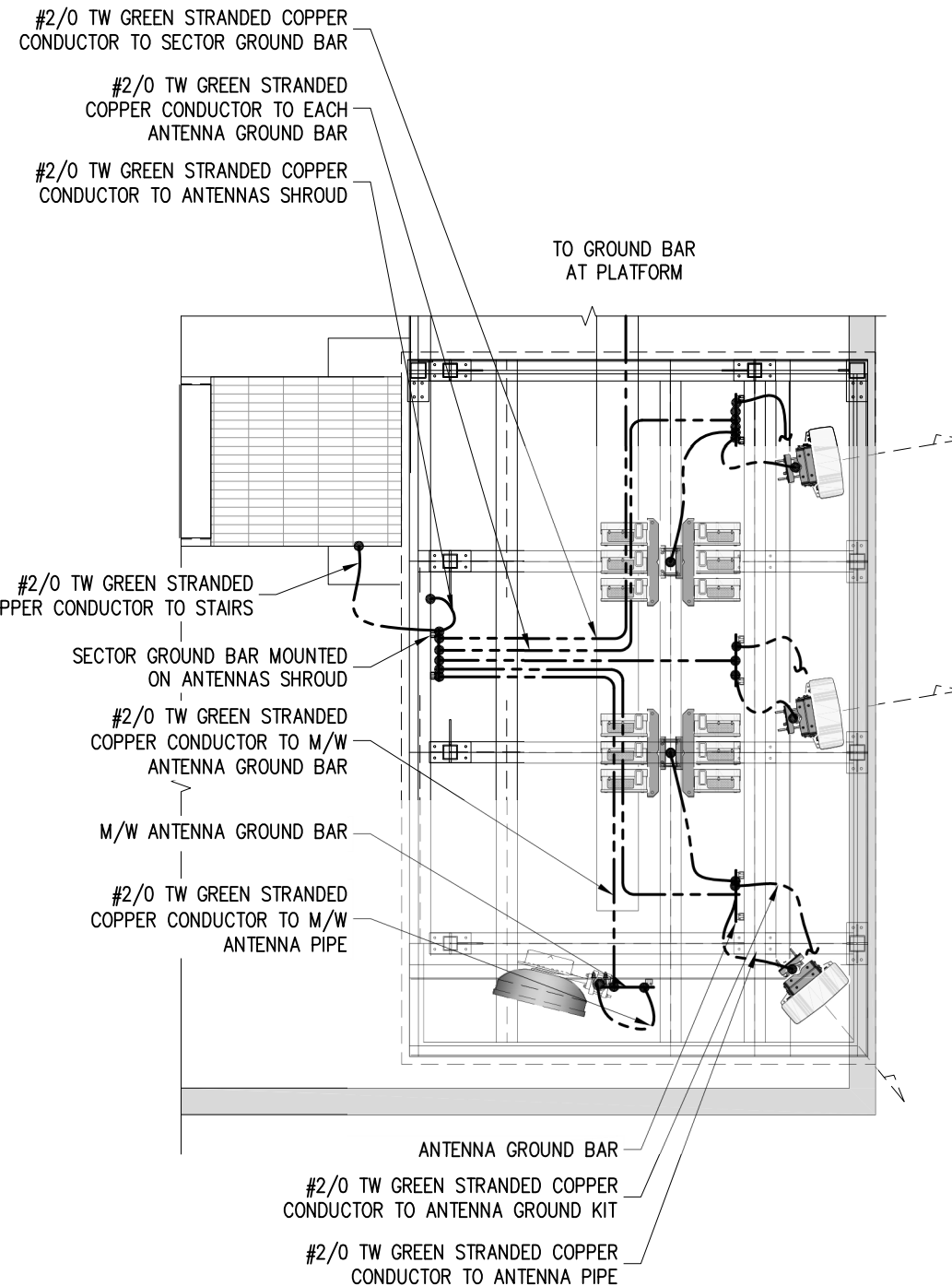
PARTIAL GROUNDING PLAN A  
E05



PARTIAL GROUNDING PLAN B  
E05

NOTES:

1. ALL GROUNDING CONNECTIONS ARE TO BE CLEAN AND FREE OF PAINT AT THEIR MATING SURFACES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. USE "PENETROX" OR EQUIVALENT ANTI-OXIDANT GREASE.
2. REFER TO LATEST ROGERS "GROUNDING/BONDING & LIGHTNING PROTECTION" SPECIFICATIONS FOR ALL FULL GROUNDING REQUIREMENTS.



PARTIAL GROUNDING PLAN C  
E05

REVISION / ISSUE HISTORY:

REV.	DESCRIPTION	DATE	BY
1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
0	ISSUED FOR CONSTRUCTION	01 FEB 21	G.M.

SEAL:



PERMIT:

PRODUCED BY:



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ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

CLIENT:



SITE NAME: QUADRA & VIEW  
SITE LOCATION: 888 FORT STREET  
VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

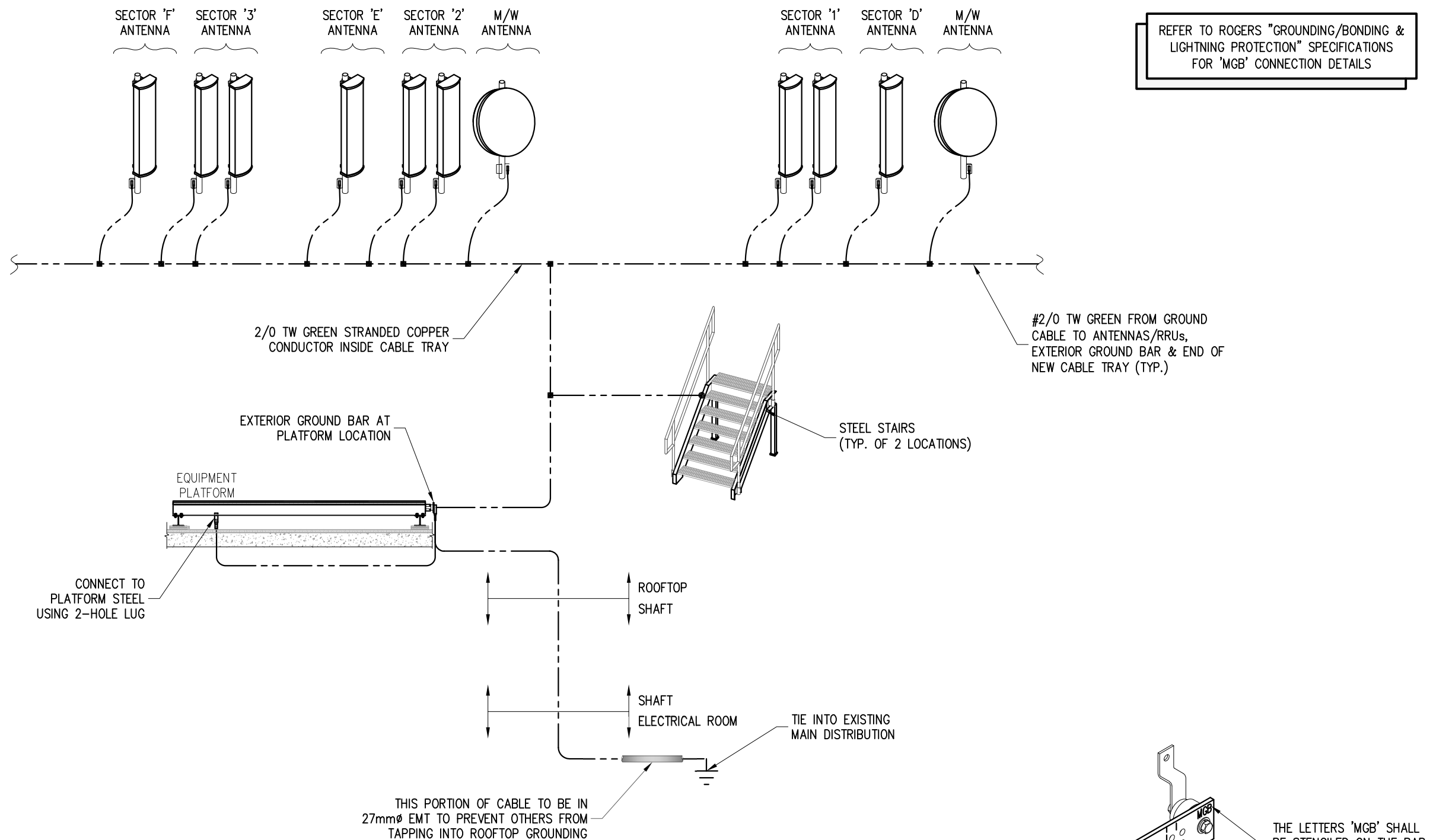
DRAWING TITLE:

GROUNDING DETAILS

DWG. SCALE:	AS NOTED	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELECOM PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

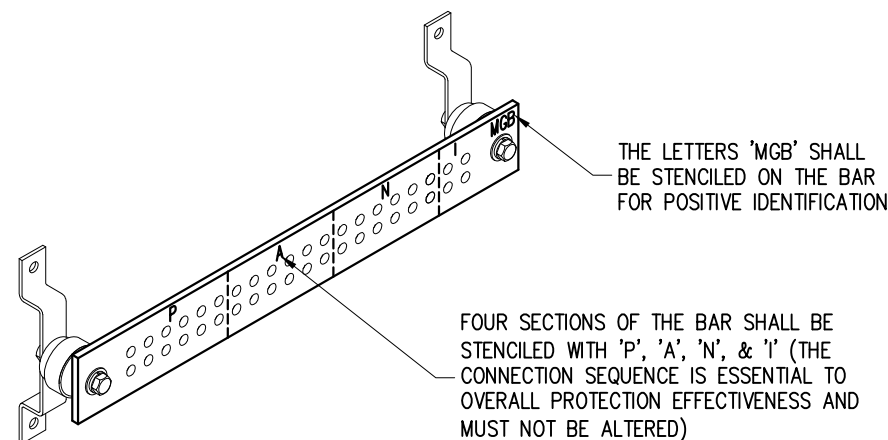
E06



**NOTES:**

- ALL GROUNDING CONNECTIONS ARE TO BE CLEAN AND FREE OF PAINT AT THEIR MATING SURFACES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. USE "PENETROX" OR EQUIVALENT ANTI-OXIDANT GREASE.
- GROUNDING CABLES SHALL NOT BE ROUTED ON THE CABLE RACK WITH OTHER CABLES, BUT MUST BE ROUTED ON SEPARATE BRACKETS HUNG FROM THE CABLE RACK STRINGER, OR ON THE SIDE OF THE STRINGER FOR SHORT DISTANCES.
- CONNECTIONS TO MASTER GROUND BAR ARE TO BE 2 BOLT TYPE LUGS THAT HAVE A COMPRESSION OR EXOTHERMIC WELD CONNECTION
- PROVIDE BUSHINGS ON ALL EMT TERMINATIONS AND BOND TERMINATIONS TO GROUND.
- REFER TO LATEST ROGERS "GROUNDING/BONDING & LIGHTNING PROTECTION" SPECIFICATIONS FOR FULL GROUNDING REQUIREMENTS.
- REFER TO EPCOR CUSTOMER CONNECTION GUIDE PAGES 56-58 FOR DETAILS.

**GROUNDING SCHEMATIC**  
GUIDELINE ONLY



**MAIN GROUND BAR 'MGB' DETAIL**  
GUIDELINE ONLY

REVISION / ISSUE HISTORY:

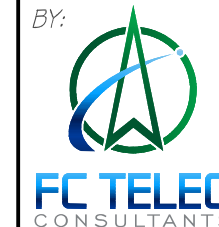
REV.	DESCRIPTION	DATE	BY
1	ISSUED FOR BUILDING PERMIT	21 MAY 21	J.A.
0	ISSUED FOR CONSTRUCTION	01 FEB 21	G.M.

SEAL:



PERMIT:

PRODUCED BY:



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CLIENT:



SITE NAME: QUADRA & VIEW  
SITE LOCATION: 888 FORT STREET  
VICTORIA, BRITISH COLUMBIA  
SITE NUMBER: W5008

DRAWING TITLE:

**GROUNDING SCHEMATIC**

DWG. SCALE:	AS NOTED	DRAWN BY:	G. MEJIA
DATE:	JUNE 09 2020	CHECKED BY:	F. CHUNARA
FC TELECOM PROJECT NUMBER:	20062	APPROVED BY:	F. CHUNARA

DRAWING NUMBER:

E07