

CANADIAN COAST GUARD STATION - BASE BUILDING CONTROLS

370 DALHOUSIE STREET, AMHERSTBURG, ONTARIO
MECHANICAL

Canada

Public Works and Government Services Canada
Travaux publics et services gouvernementaux Canada
Real Property Branch
Direction générale des biens immobiliers

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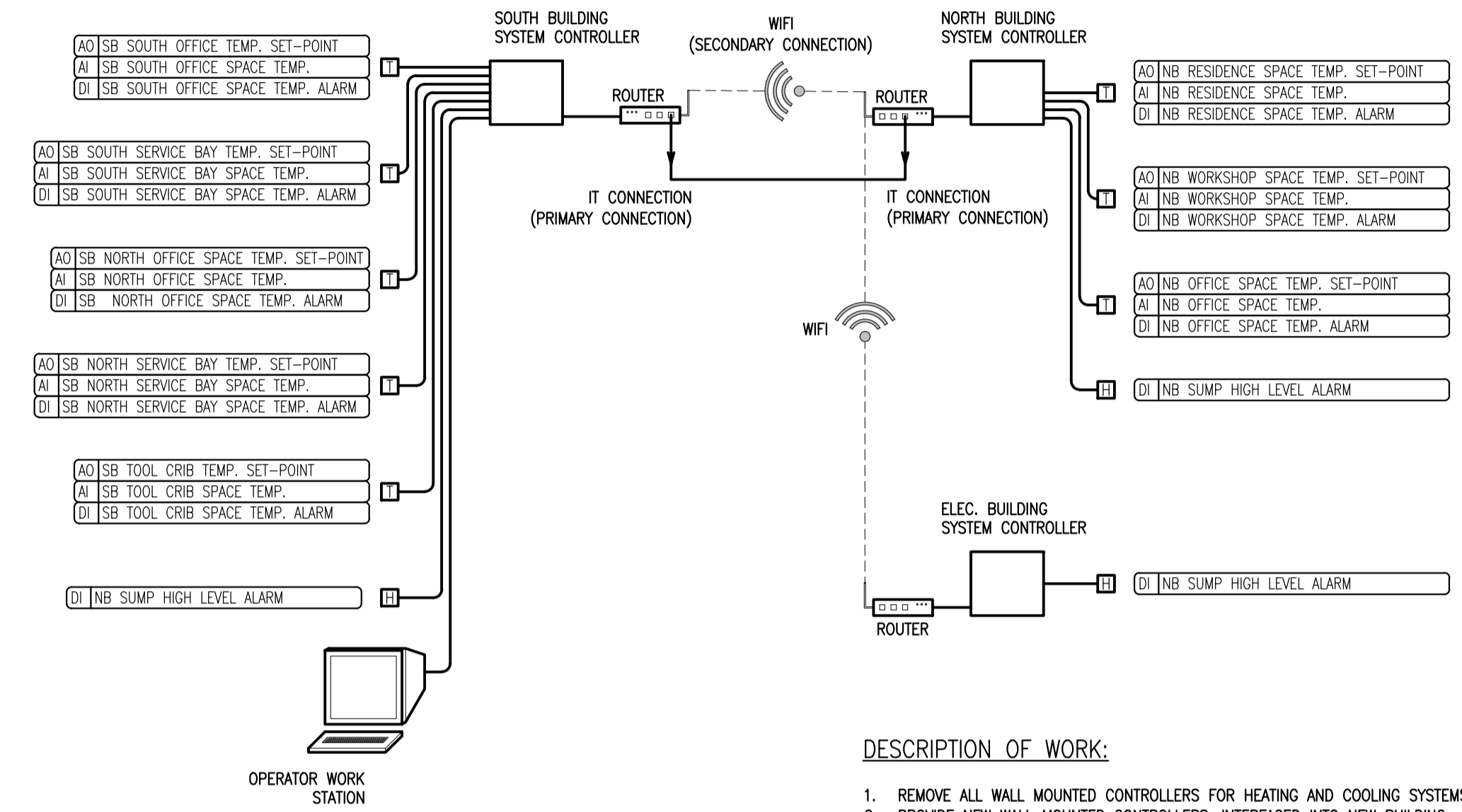


Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

GENERAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING PIPING/DUCTWORK/EQUIPMENT
	NEW/RELOCATED PIPING/DUCTWORK/EQUIPMENT
(E)	DENOTES EXISTING EQUIPMENT
(N)	DENOTES NEW EQUIPMENT

DRAWING LIST	
SYMBOL	DESCRIPTION
M1	MECHANICAL DRAWING LIST, LEGENDS, AND SCHEMATIC
M2	MECHANICAL FLOOR PLANS

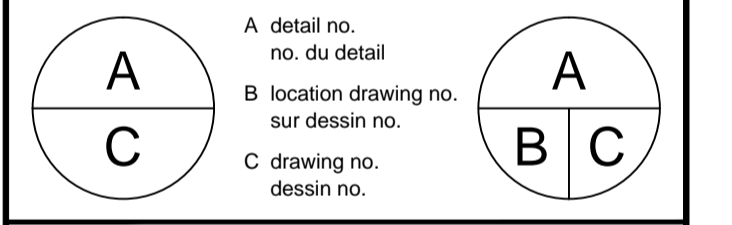
CONTROLS LEGEND	
SYMBOL	DESCRIPTION
	LOW VOLTAGE CONTROL WIRING
	THERMOSTAT
	TEMPERATURE SENSOR
	WIFI CONNECTION



- DESCRIPTION OF WORK:
- REMOVE ALL WALL MOUNTED CONTROLLERS FOR HEATING AND COOLING SYSTEMS.
 - PROVIDE NEW WALL MOUNTED CONTROLLERS, INTERFACED INTO NEW BUILDING CONTROLLERS.
 - PROVIDE NEW HIGH LEVEL ALARM FLOATS IN SANITARY AND STORM SUMPS AND INTERFACE INTO NEW BUILDING CONTROLLERS.
 - BUILDING CONTROLLERS TO BE CONNECTED TO EMCS AND OWS SYSTEM THROUGH LOCAL IP NETWORK (COORDINATE WITH IP SUPPLIER).
 - FOR MAIN SANITARY PUMP, IP NETWORK IS NOT AVAILABLE. PROVIDE DIRECTIONAL WIFI CONNECTION FROM NORTH BUILDING CONTROLLER.
 - PROVIDE BACK-UP DIRECTIONAL WIFI CONNECTION FROM NORTH BUILDING TO SOUTH BUILDING TO IP NETWORK.
 - SEQUENCE OF OPERATION TO BE AS PER SPECIFICATION.
 - CONTROLLER SHALL BE ABLE TO ACCOMMODATE 100% ADDITIONAL FUTURE CONTROL POINTS.

EQUIPMENT SCHEDULE			
TAG	MANUFACTURER	MODEL NO.	SERIAL NO.
AC1	KEEPRIGHT	PGF042K100B	L011494545
AC2	ARMSTRONG	RPGE13A24075P-3A	1613004692
F1	CARRIER	-	-
C1	CARRIER	-	-
F2	LUXAIRE	G9T12020UPD13L	WKKM020826
C2	PAYNE HEATING & COOLING	PA13NA060-C	0810X66238
F3	RHEEM	RGPH-10EAMEA	D45D302F349619933
C3	RHEEM	RAKA-030JAZ	5428 M1297 08815
IR1	SPARTAN	-	-
IR2	SPARTAN	-	-

revisions	description	date
3	ISSUED FOR TENDER	2017-10-11
2	ISSUED FOR 100% REVIEW	2017-08-14
1	ISSUED FOR 100% REVIEW	2017-07-25
0	ISSUED FOR 99% REVIEW	2017-07-04



project
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370 DALHOUSIE STREET, AMHERSTBURG, ONTARIO

drawing
MECHANICAL DRAWING LIST, LEGENDS & SCHEMATIC

Designed By	J.GORDON	Conçu par
Date	2017/07/04	(yyyy/mm/dd)
Drawn By	J.GORDON	Dessiné par
Date	2017/07/04	(yyyy/mm/dd)
Reviewed By	J.HANSEN	Examiné par
Date	2017/07/04	(yyyy/mm/dd)
Approved By	J.GORDON	Approuvé par
Date	2017/07/04	(yyyy/mm/dd)
Tender	TENDER	Soumission
Project Manager	NANG QUACH	Administrateur de projets
Project no.	R.086580.001	No. du projet
Drawing no.	M1	No. du dessin



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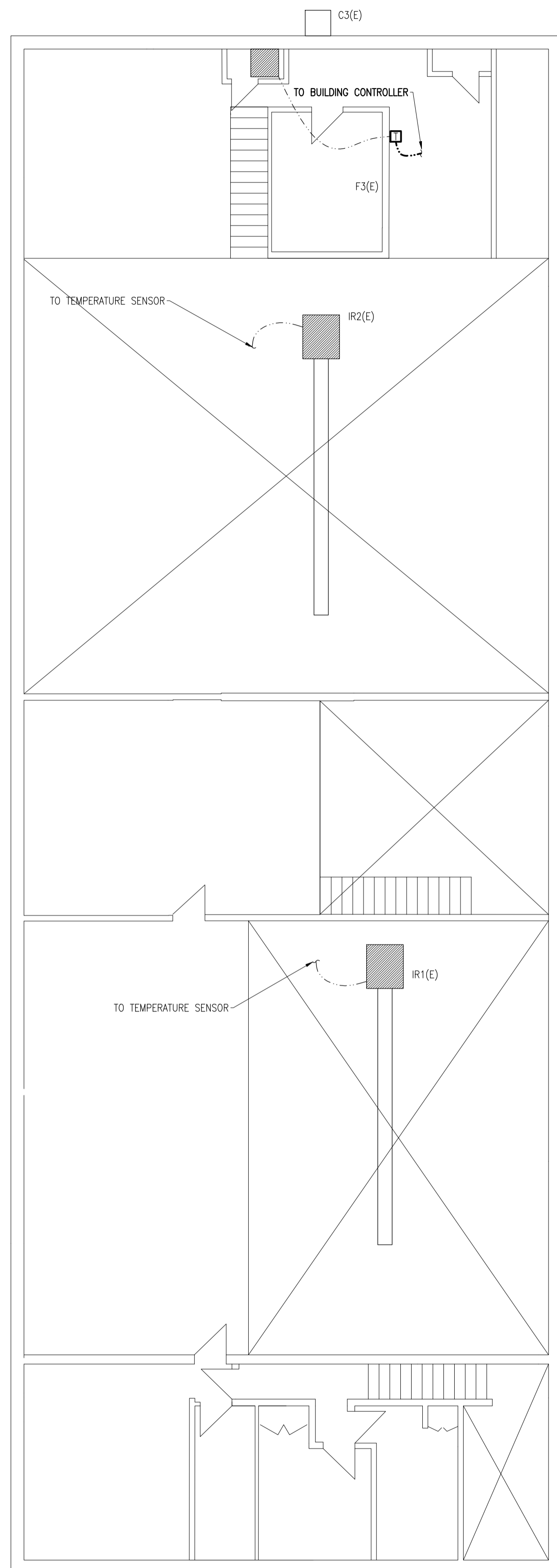
A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project / projet
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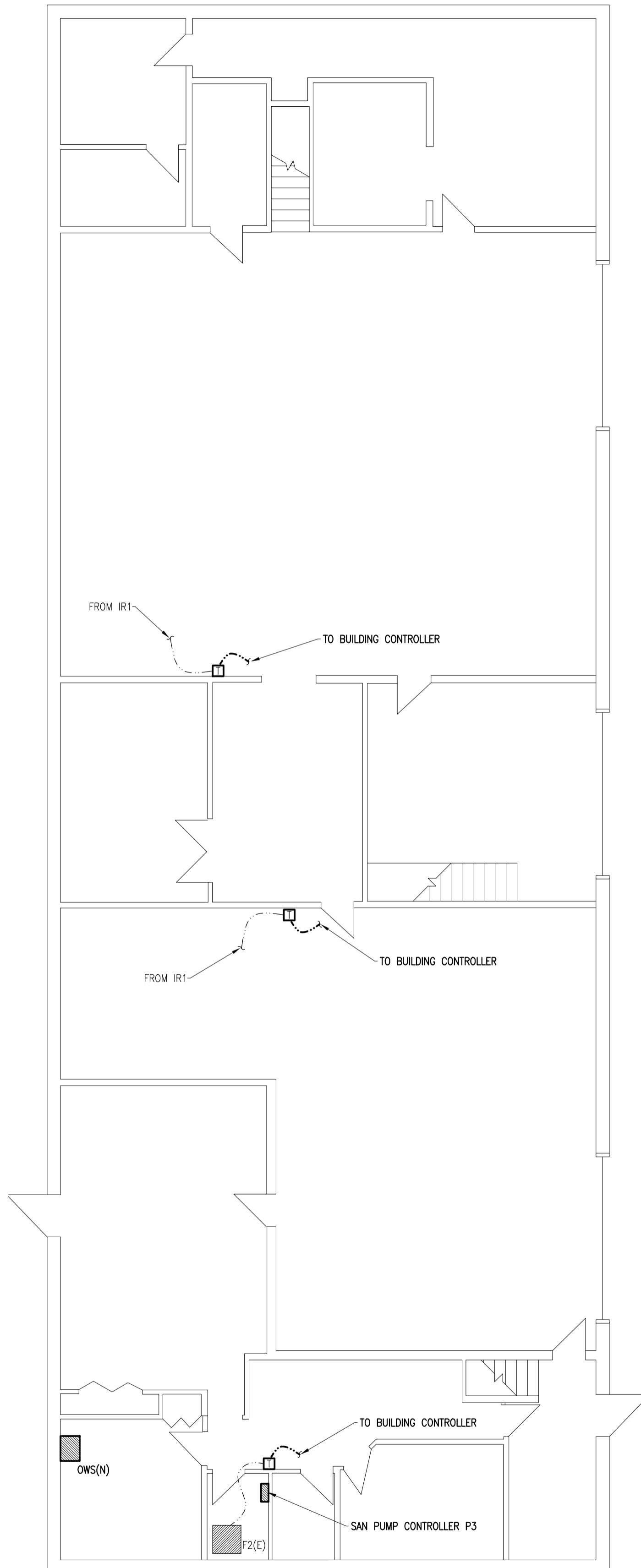
drawing / dessin
MECHANICAL FLOOR PLANS

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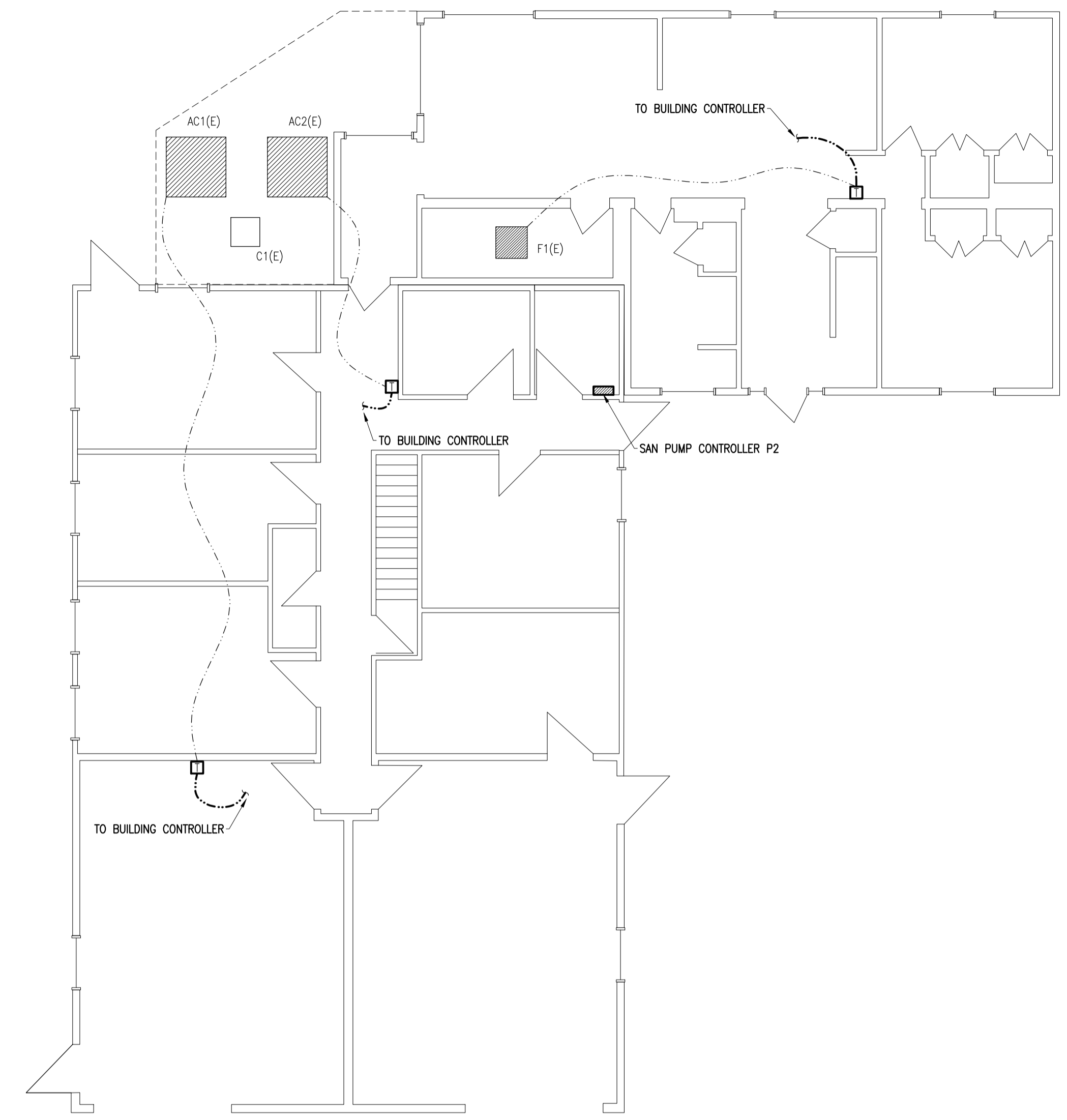
Drawing no. / No. du dessin
M2



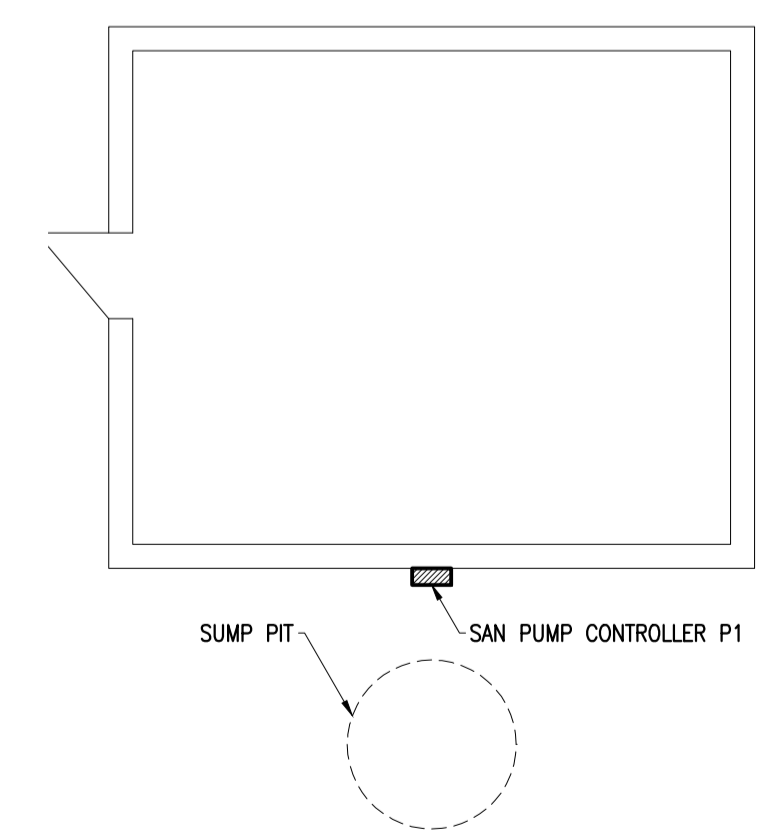
1 SOUTH BUILDING SECOND LEVEL NEW WORK
 M2 N.T.S.



2 SOUTH BUILDING FIRST LEVEL NEW WORK
 M2 N.T.S.



3 NORTH BUILDING NEW WORK
 M2 N.T.S.



4 PUMP HOUSE NEW WORK
 M2 N.T.S.