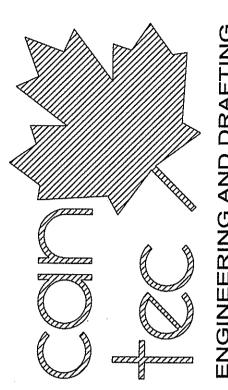
FACILITY BUILDING INTERIOR RENOVATIONS LYNN LAKE, MANITOBA CONSTRUCTION

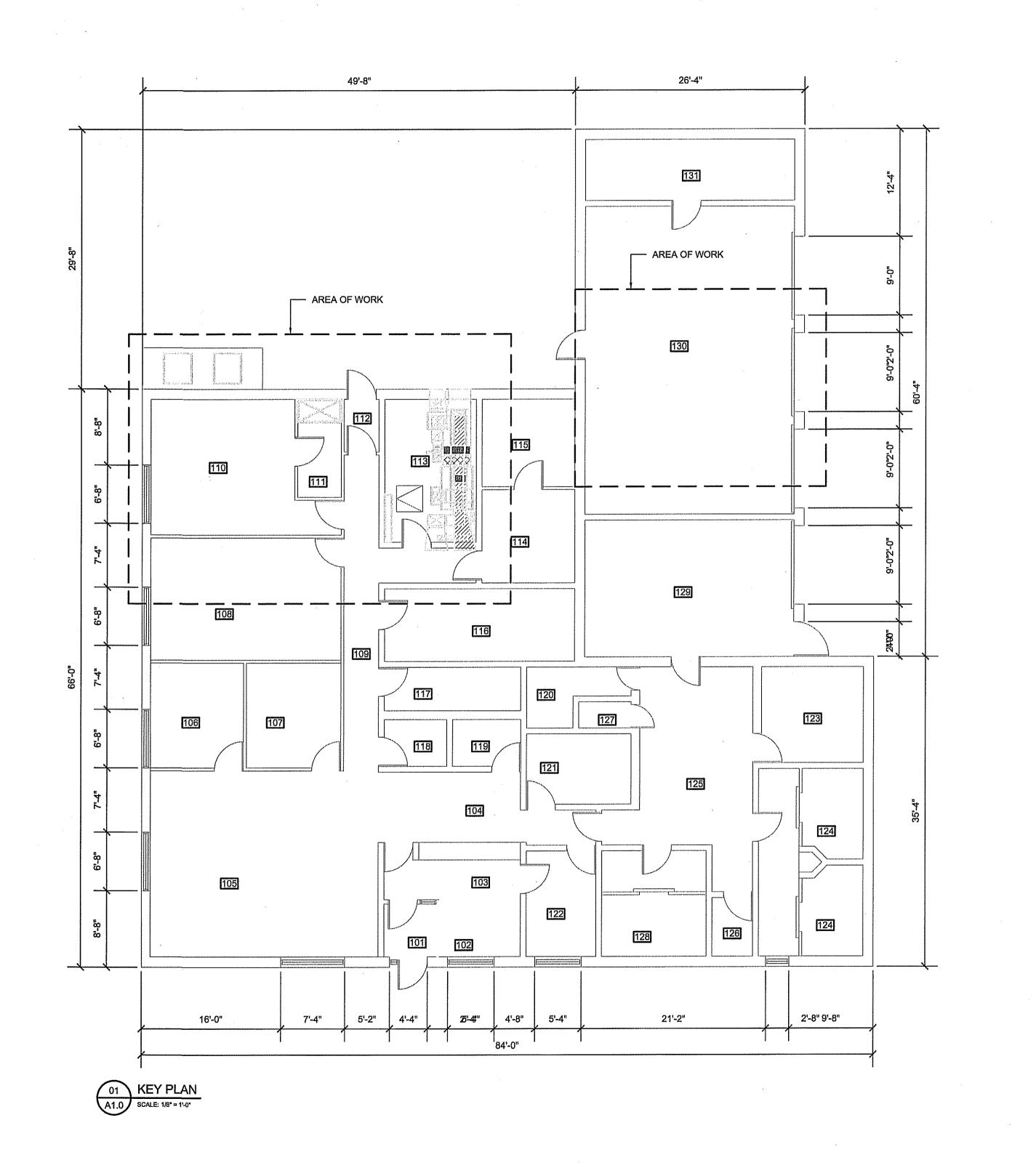
DRAWING LIST	CONSULTANT LIST	DRAWING SYMBOLS	ABBREV	/IATION	LIST						CHECKE RS
A0.0 TITLE PAGE A1.0 KEY PLAN OF AREA OF WORK A2.0 PARTIAL FLOOR PLAN M1.0 MECHANICAL DEMOLITION PLAN M2.0 MAIN FLOOR PLAN - CONSTRUCTION M2.1 MAIN FLOOR PLAN DUCTWORK M2.2 UNDER SLAB DUCTWORK E1.0 MAIN FLOOR PLAN - CONSTRUCTION	ELECTRICAL CONSULTANT:	NUMBERED NOTE WINDOW NUMBER WALL / ROOF INDENTIFIER DETAIL SECTION DETAIL NUMBER SHEET SECTION LOCATED ELEVATION IDENTIFIER DETAIL NUMBER SHEET ELEVATION LOCATED AH.H DETAIL MARKER (SEE SPECIFICATION BOOK)	ACOUSTIC ADHESIVE ADJUSTABLE AGGREGATE AIR VAPOUR BARRIER ALTERNATE ALUMINUM APARTMENT APPROXIMATE ARCHITECTURE BEAM BENCH MARK	ACST ADH ADJ AGGR AVB ALT ALUM APT APPROX ARCH BM BM	DRYWALL EACH EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EPOXY EQUAL EQUALLY SPACED EQUIPMENT	DW EA EW E ELEC EL ELEV EP EQ EQSP EQUIP	LAVATORY LAY-IN ACOUSTIC TILE LEFT HAND LEFT HAND REVERSE LENGTH LIGHT LOUVRE MANUFACTURE MARK MASONRY OPENING MATERIAL	LAV LAT LH LHR LG LT LVR MFG MK MO MAT	ROOM ROUGH OPENING RUBBER RVT SCHEDULE SCREW SECTION SELF ADHESIVE SHEATHING SHEET SHEET VINYL	RM RO RB RESILIENT SHEET FLOORING SCHED SCR SECT SA SHTG SHT	ING DRAWN BY RS
E2.0 LIGHTING PLAN, SCHEDULES		GRID LINES	BENCH MARK BETWEEN BLOCK BOARD BOTH SIDES BOTH WAYS BOTTOM BUILDING CARPET	BTWN BLK BD BS BW BOT BLDG CPT	EXISTING EXPANSION EXTERIOR EXTRUDE FACE TO FACE FAR SIDE FIBREBOARD FINISH FLOOR	EXIST EXP EXT EXTR F/F FS FBRBD FIN	MECHANICAL MINIMUM MISCELLANEOUS NEAR FACE NEAR SIDE NORTH NOT APPLICABLE NOT IN CONTRACT	MECH MIN MISC NF NS N N NIC	SIMILAR SOLID CORE SOUTH SPECIFICATION SPRUCE SPRUCE, PINE OR FIR STAIN STAINLESS STEEL	SIM SC S SPEC SPR S/P/F ST SS SS SS SS SS SS S	/ BUILD /GE S NOTED
	·	## DETAIL MARKER ### DETAIL MARKER	CAST IRON CEILING CEMENT BOARD CENTRE CENTRE TO CENTRE CERAMIC TILE CIRCLE	CI CLG CBD CTR C/C CT CIRC	FLOOR FLOOR DRAIN FLOORING FLUORESCENT FOOTING FOUNDATION FULL SIZE GALVANIZED	FL FD FLG FLR FTG FDN FS GALV	NOT TO SCALE NUMBER ON CENTRE OUT TO OUT OUTSIDE DIAMETER OUTSIDE FACE OVERHEAD PAINT	NTS NO O/C O/O O/O OD OF OH PT	STANDARD STEEL STRUCTURAL SQUARE FEET TEMPORARY THROUGH TO MATCH EXISTING TONGUE AND GROOVE	STD STL STRUCT SF TEMP THRU TME T&G	CILITY LE PA
		X DETAIL NUMBER CURRENT SHEET PAGE ORIENTATION	CLEAR COLUMN COMPLETE WITH CONCRETE CONCRETE BLOCK CONSTRUCTION CONTINUOUS CONTROL JOINT	CLR COL C/W CONC CBLK CONST CONT CJ	GALVANIZED IRON GAUGE GLASS HARDWARE HEIGHT HEXAGON HOLLOW CORE HOLLOW METAL	GI GA GL HDW HGT HEX HC	PAINTED PARTITION PLYWOOD PRECAST PRECAST CONCRETE PREFABRICATION PREFINISHED	PTD PTN PLYWD PC PC CONC PREFAB PREFIN	TOP AND BOTTOM TOP OF TYPICAL UNDER SIDE UNDERCUT URINAL VAPOUR BARRIER	T&B T/O TYP U/S UCUT UR VB	PROJECTION SHEETTING SHEET
			COUNTERSINK COVED SHEET VINYL DETAIL DEMOLISH DIAGONAL	CSK CSV DTL DEMO DIAG	HORIZONTAL INCLUSIVE INSIDE DIAMETER INSIDE FACE INSULATE	HORIZ INCL ID IF INSUL	PRESSED STEEL QUANTITY QUARRY TILE RADIUS RAINWATER LEADER REFERENCE	PS QTY QT R RWL REF	VERTICAL VINYL ASBESTOS TILE VINYL COVE BASE VINYL TILE VINYL WALL COVERING WATER CLOSET	VERT VAT VCB VT VWC WC	A0.0
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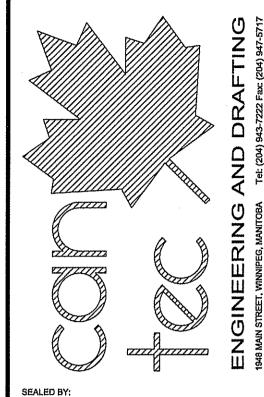




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OF WORK

AREA

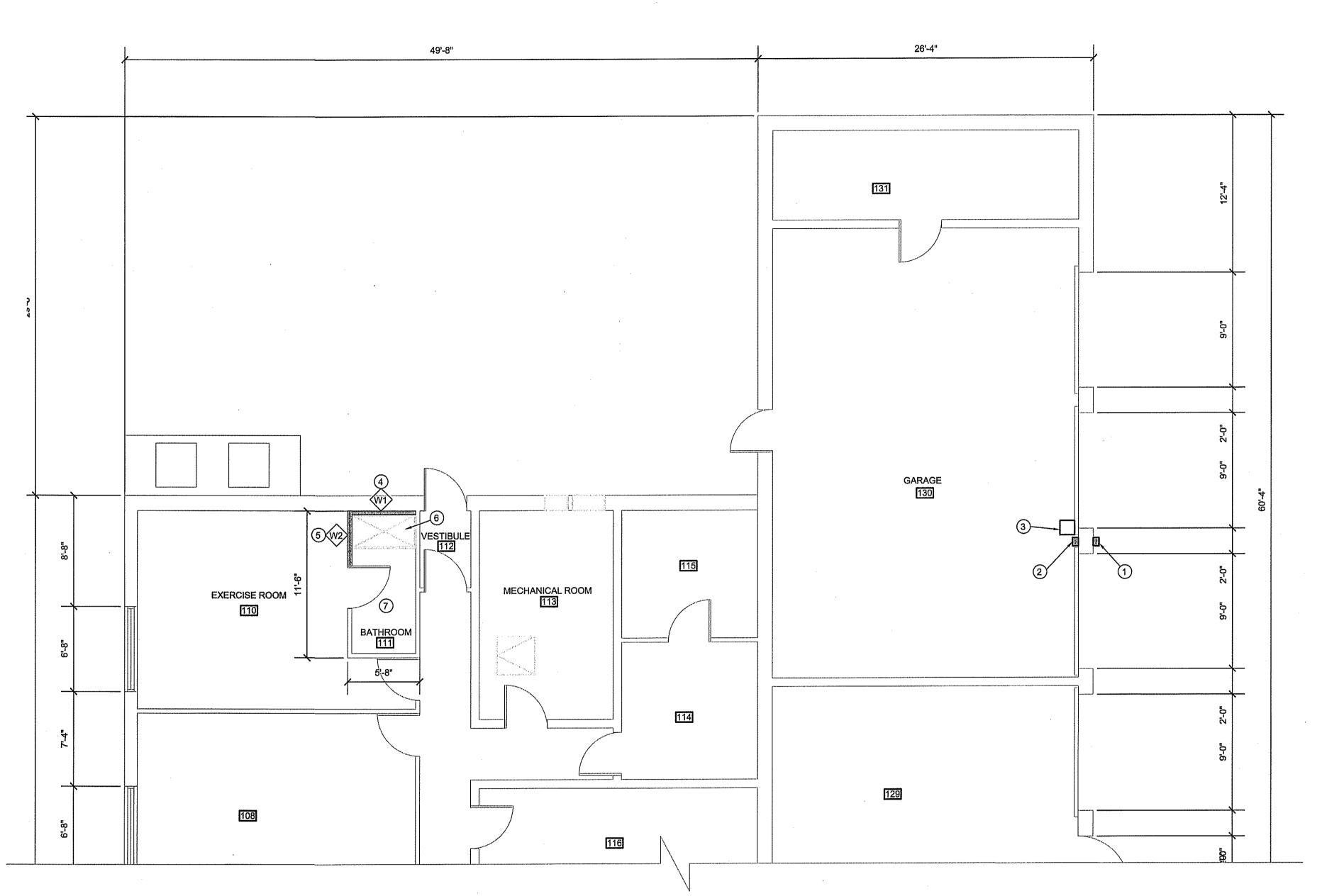
KEY PLAN OF

CONSTRUCTION

FACILITY BUILDING

REVISION #: 00
308 NO.
18-042-01-30

ISSUED FOR TENDER 18 10 01 18 10 01 RS DATE (YY MM DD) REV. BY REV.# REVISION



PARTIAL FLOOR PLAN A2.0 SCALE: 3/16" = 1'-0"

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DRAWING NOTES: #)

DETAILS

- 1. INSTALL NEW KEY OPENER FOR NEW GARAGE DOOR OPENER
- 2. INSTALL NEW BUTTON OPENER ON INTERIOR OF
- GARAGE AT WALL
- 3. INSTALL NEW JACK SHAFT OPERATOR FOR EXISTING GARAGE DOOR
- 4. REMOVE EXISTING DRYWALL AND DAMAGED WALL AND INSTALL NEW BACKING WALL BEHIND NEW
- SHOWER 5. REMOVE EXISTING WALL SECTION THAT IS WATER
- DAMAGED AND INSTALL NEW WALL. 6. INSTALL NEW SHOWER SEE MECHANICAL FOR
- 7. REMOVE THE EXISTING FLOORING AND INSTALL NEW SHEET VINYL FLOORING. FLOORING TO BE COVED UP WALL 4".

WALL SCHEDULE:

W1 EXISTING MASONRY WALL 1" RIGID INSULATION TYPE 4 3 €" STEEL STUDS @ 16" O.C. 4" MOISTURE RESISTANT DRYWALL FINISH PAINT.

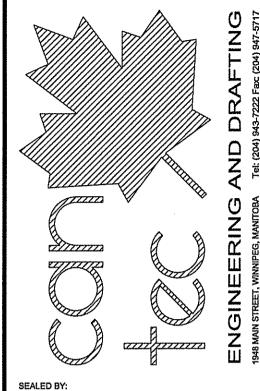
W2 INTERIOR WALL ½" DRYWALL 3 5" STEEL STUDS @ 16" O.C. BĂTT INSULATION 1" MOISTURE RESISTANT DRYWALL

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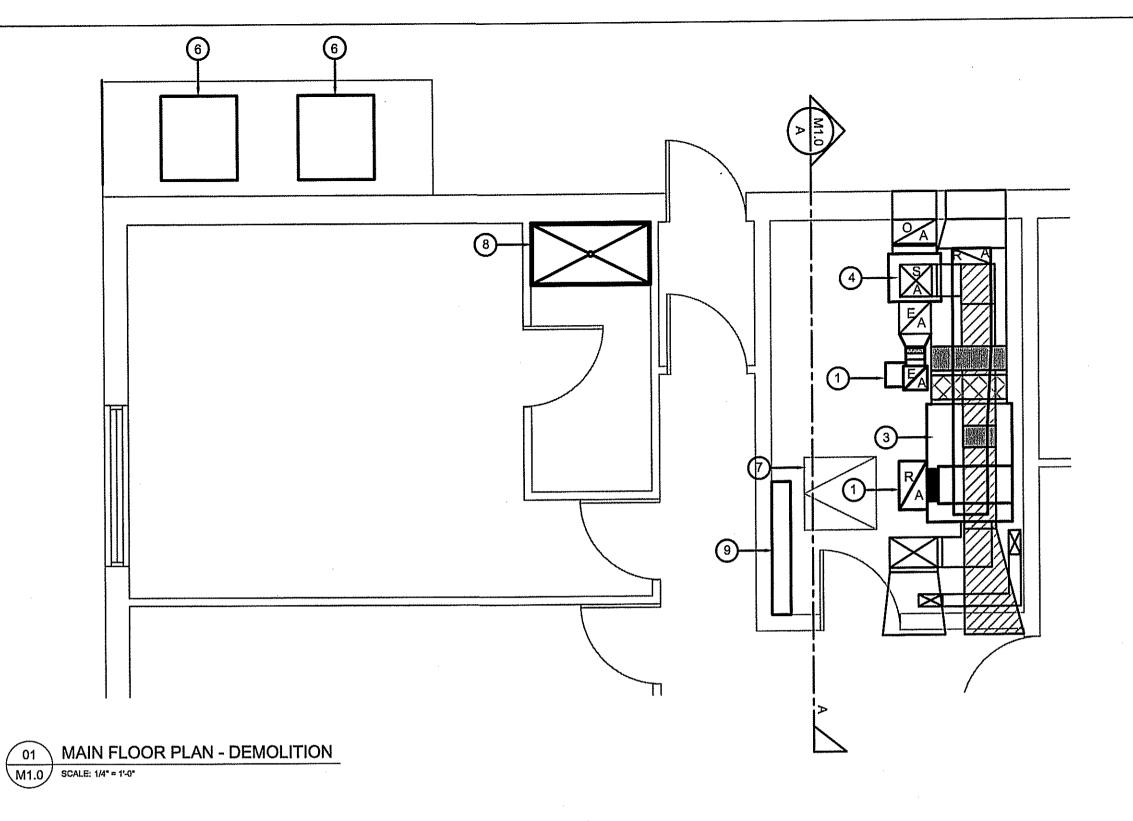
MAIN FLOOR PLAN

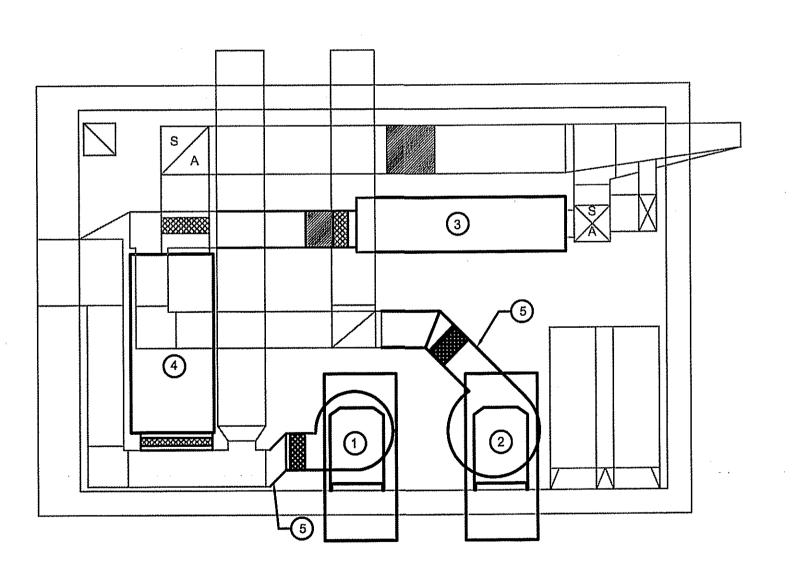
CONSTRUCTION

PARTIAL

FACILITY BUILDING

18-042-01-30





DEMOLITION SECTION A M1.0 SCALE: 3/8" = 1'-0"

DRAWING NOTES:

- REMOVE CELL RETURN AIR FAN
- REMOVE OFFICE RETURN AIR FAN 2.
- REMOVE FAN COIL AND DX COIL OFFICE 3. REMOVE FAN COIL AND DX COIL - CELLS
- REMOVE DUCT WORK
- REMOVE CONDENSERS
- **EXISTING FLOOR HATCH**
- REMOVE EXISTING SHOWER AND FAUCET
- 9. REMOVE EXISTING CONTROLS

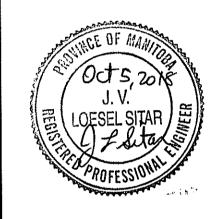
THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS PRIOR TO COMMENCEMENT OF WORK AND IS HELD RESPONSIBLE FOR REPORTING ANY

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DISCREPANCY OR OMISSION TO CAN-TEC SERVICES LTD. IMMEDIATELY.

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DEMOLITION PLAN

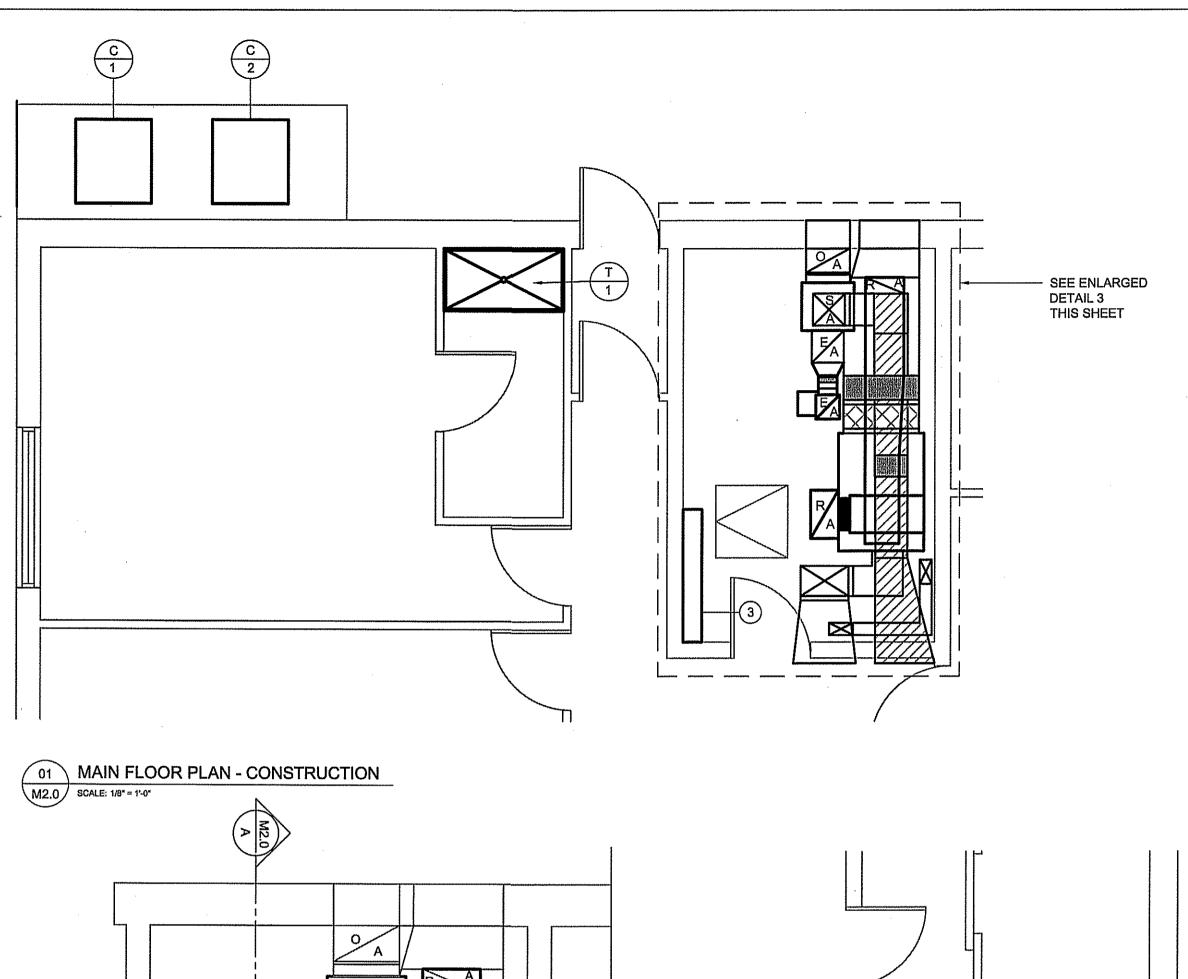
DRAWN

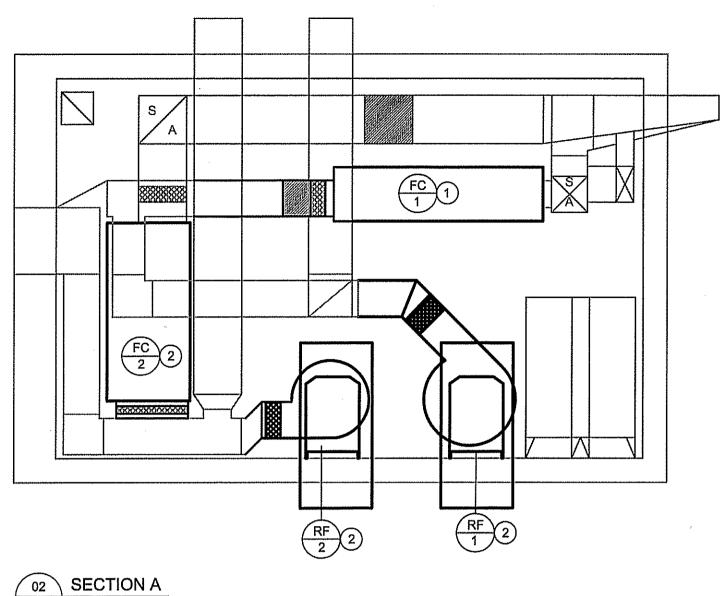
MECHANICAL

CONSTRUCTION

FACILITY BUILDING

REVISION #: 00
JOB NO. 18-042-01-30





NOTES: #

M2.0 SCALE: 3/8" = 1'-0"

- 1. INSTALL NEW FAN COILS
- 2. INSTALL NEW RETURN FANS
- 3. INSTALL NEW CONTROLS, INCLUDING ALL INTERIOR AND EXTERIOR SENSORS AND THERMOSTATS AS REQUIRED
- 4. INSTALL NEW MOTORIZED DAMPERS AND
- **ACTUATORS**
- 5. NEW FORCE FLOW HEATER TO HAVE MESH CAGE AROUND HEATER. CAGE TO BE BOLTED TO THE WALLS AND FLOOR AND BE CREATED WITH 2" STEEL ANGLES AND 1"X1" MESH. SEE DETAIL THIS SHEET.

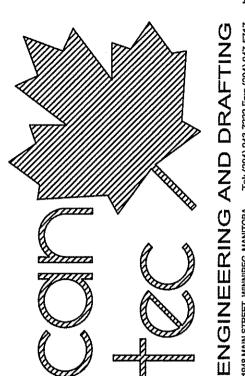
Certificate of Authorization Can-Tec Services Ltd.

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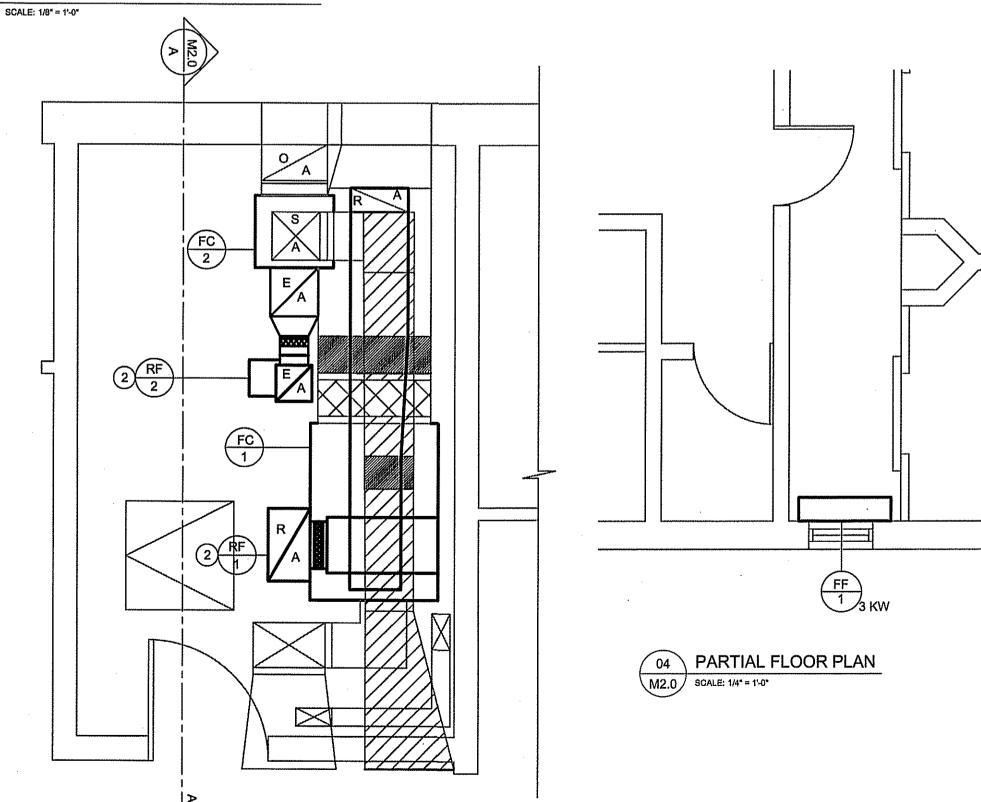
MAIN FLOOR

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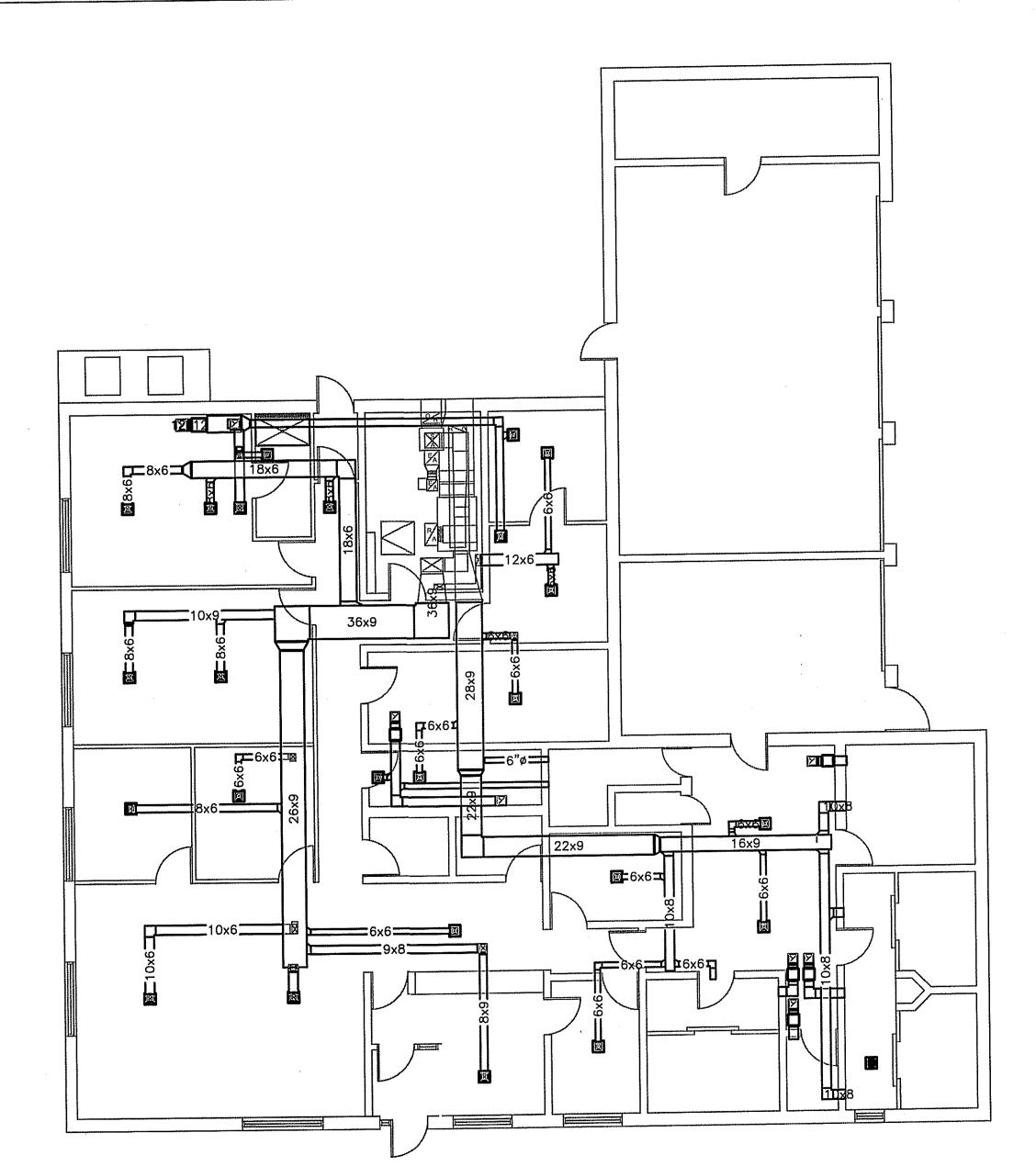
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No. 4189 Dato: Oct 5, 2018

PARTIAL FLOOR PLAN

SCALE: 3/6" = 1'-0"



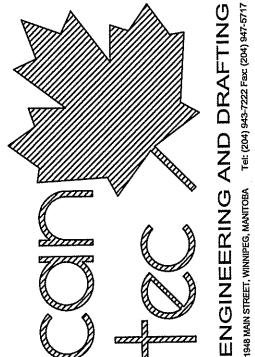
NOTES:

POWER VAC ALL DUCT WORK

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CONSTRUCTION

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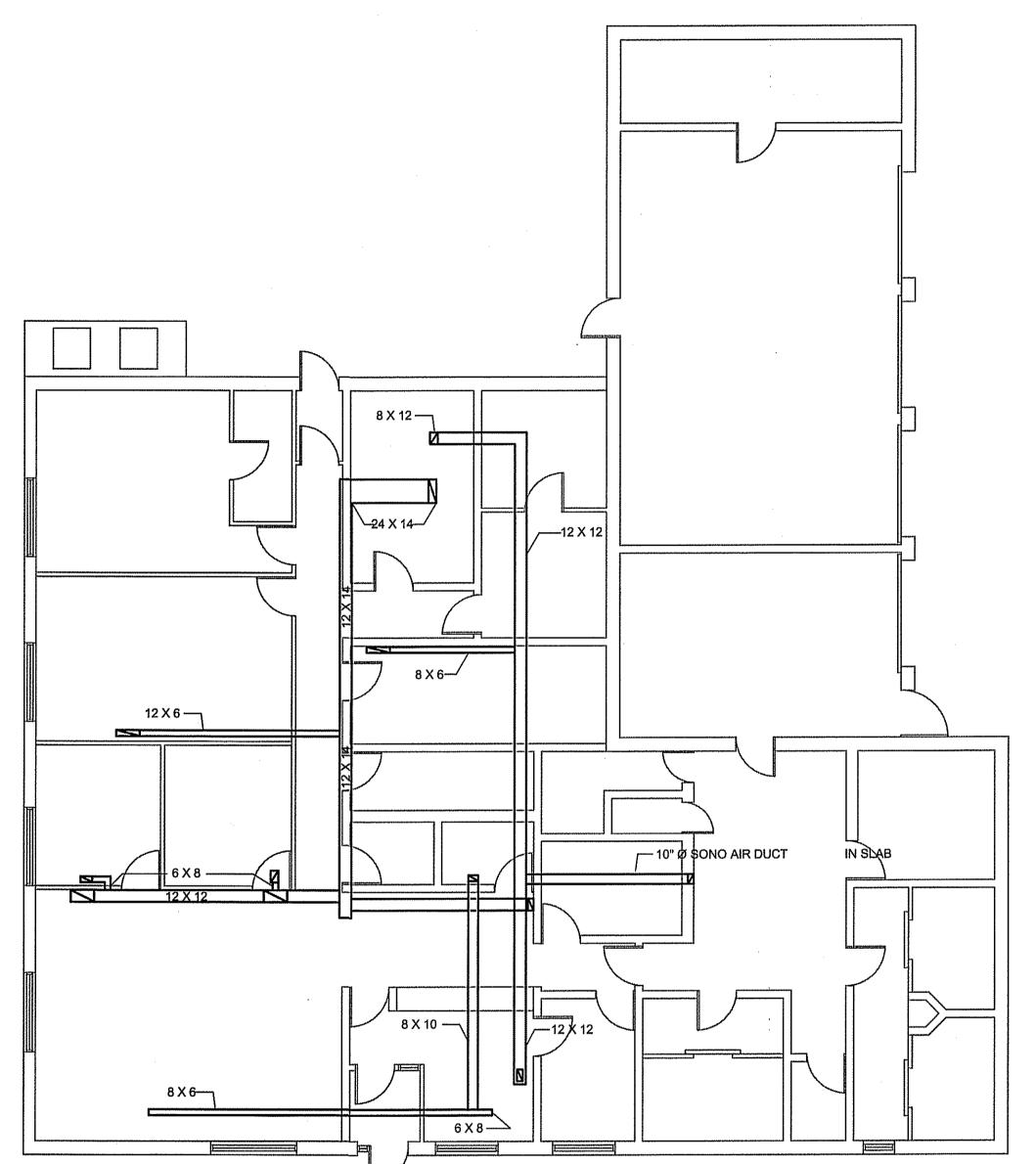
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Certificate of Authorize on Can-Tec Services Ltd. No. 4189 Date: Oct 5, 2018

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01 PARTIAL FLOOR PLAN
M2.1 SCALE: 1/8*=1'-0*



01 UNDER SLAB DUCT PLAN
M2.1 SCALE: 1/8" = 1'-0"

Certificate of Authorization Can-Tec Services Ltd. No. 4189 Date: Oct 5, 2018

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DATE (YY MM DD) REV. BY ISSUED FOR TENDER 18 10 01 REV.# REVISION

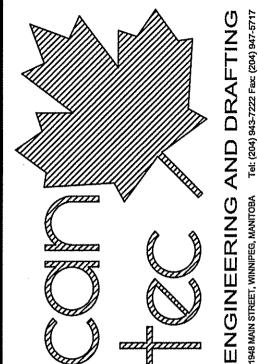
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DUCT PLAN

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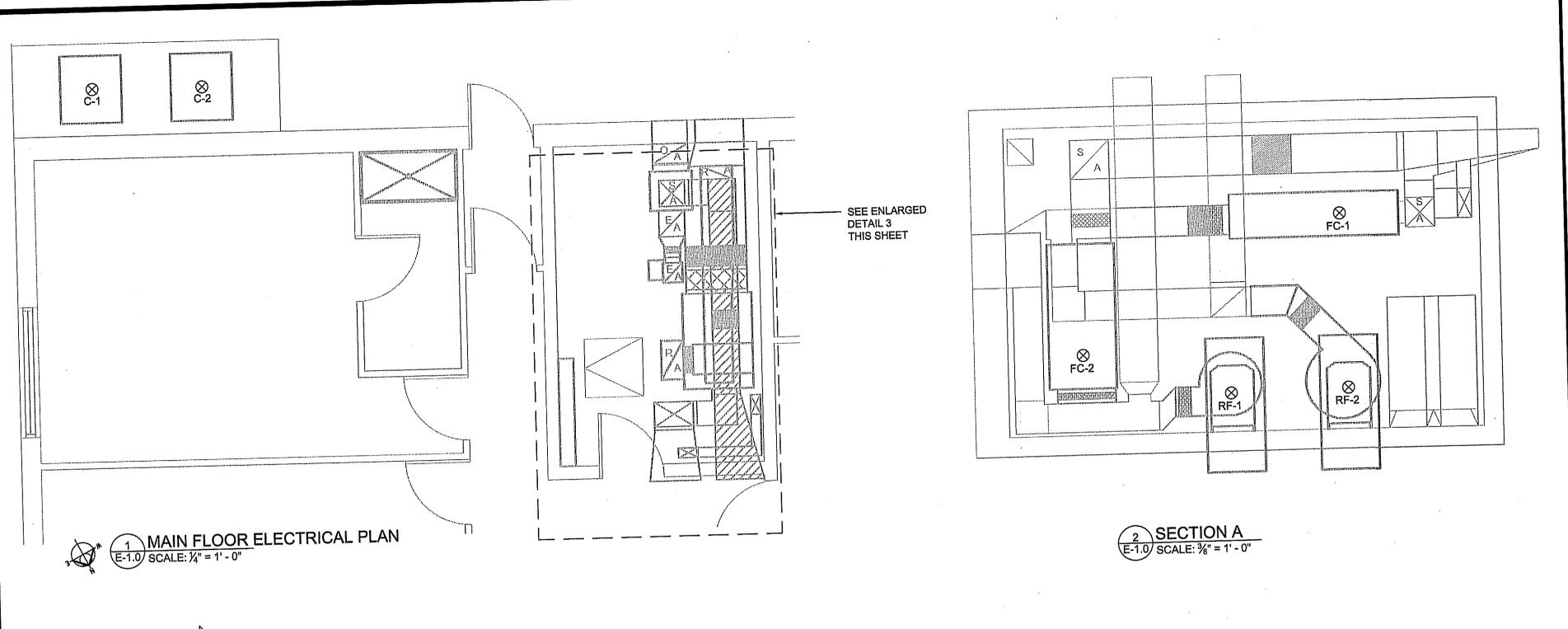
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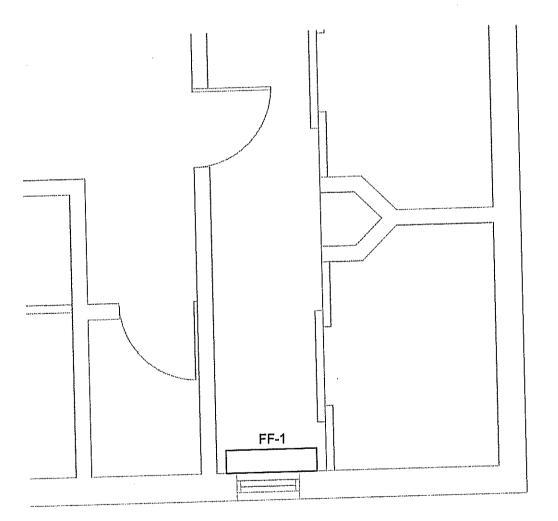
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FACILITY BUILDING

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Jorey Electric Ltd.

No. 4600 Date: 5 OCT 2018

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Engineering Consultants
6-1375 Niakwa Road E p. 204-255-4842
Winnipeg MB R2J 3T3 e. info@joreyelect

SEALED BY:



PLAN - CONSTRUCTION

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MAIN FLOOR

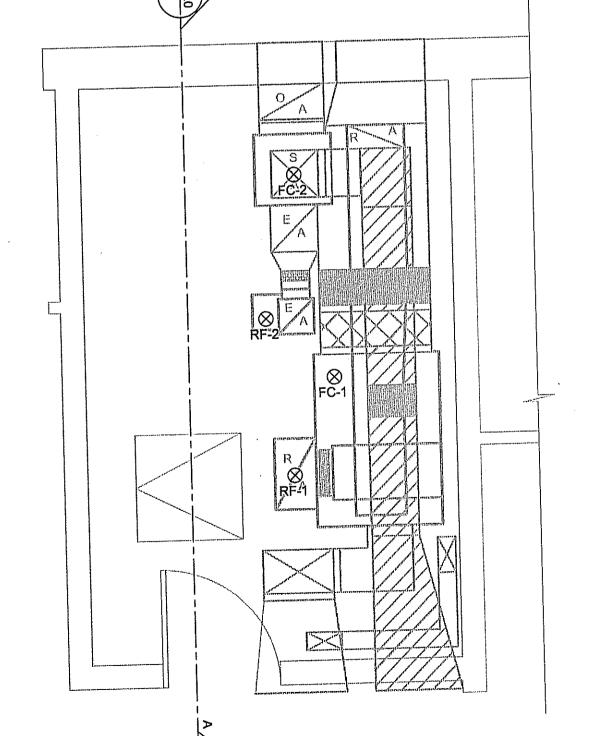
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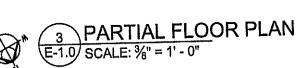
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REVISION #:

JOB NO. 18-087





MAIN FLOOR LIGHTING PLAN
E-2.0 SCALE: 1/8" = 1' - 0"

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LIGHTING AND CONTROL SCHEDULE

TYPE	DESCRIPTION	LAMPS
 Α	LITHONIA-EPANL 1X4-4000LM-80CRI-40K-MIN10-ZT-MVOLT 1'X4' LED TROFFER	38.5W LED
В	LITHONIA-EPANL 1X4-4000LM-80CRI-40K-MIN10-ZT-MVOLT-1X4SMKSH 1'X4' SURFACE MOUNTED LED	38.5W LED
С	LITHONIA-VAP-6000LM-FST-MD-MVOLT-GZ10-40K-80CRI-WLF WET LOCATION LED	49W LED
D	PHILIPS LIGHTOLIER-S7R-8-40K-10 7" SURFACE MOUNT LED DOWNLIGHT	14.2W LED
E	LEVITON-9850-LED KEYLESS LAMPHOLDER	10W LED
F	EATON-XTOR4B EXTERIOR LED WALLPACK MOUNTED 10' ABOVE GRADE	38W LED

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JOREY ELECTRIC

Engineering (skwa Road E MB R2J 3T3

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Jorey Electric Ltd.

No. 4600 Date: 5 OCT 2018

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DATE (YY MM DD) REV. BY

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ELECTRICAL SPECIFICATIONS:

SUPPLY ALL LABOUR, EQUIPMENT & MATERIALS NECESSARY AND REASONABLY IMPLIED FOR THE COMPLETE INSTALLATION OF THE ELECTRICAL WORK AS SHOWN ON THE PLANS AND/OR SPECIFIED. DETERMINE WHETHER THE ELECTRICAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE ANY OF THE FOLLOWING: HVAC CONTROLS, SECURITY, AUDIO, OR ENTRY/ DOOR CONTROLS.

2. CODES, PERMITS, AND FEES
ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE CANADIAN ELECTRICAL CODE, PROVINCIAL, MUNICIPAL, AND OTHER CODES, RULES AND REGULATIONS. OBTAIN AND PAY FOR ALL PERMITS AND LICENSES REQUIRED TO EXECUTE THE WORK.

3. VERIFICATION
THE ELECTRICAL CONTRACTOR SHALL CAREFULLY EXAMINE ALL DRAWINGS AND SPECIFICATIONS RELATING TO THE WORK TO BE CERTAIN THAT THE WORK UNDER THIS CONTRACT CAN BE
SATISFACTORILY CARRIED OUT. PRIOR TO THE SUBMISSION OF TENDER, THE CONTRACTOR SHALL REPORT AT ONCE TO THE ENGINEER, ANY DEFECT, DISCREPANCY, OMISSION, OR INTERFERENCE
SATISFACTORILY CARRIED OUT. PRIOR TO THE SUBMISSION OF THE SAME DEFER TO MECHANICAL DRAWINGS FOR CONTROL WIRING AND EQUIPMENT LOCATIONS. AFFECTING THE WORK OF THIS SECTION OR THE GUARANTEE OF THE SAME, REFER TO MECHANICAL DRAWINGS FOR CONTROL WIRING AND EQUIPMENT LOCATIONS.

ALL MATERIALS SUPPLIED SHALL BE NEW (OR AS NOTED) AND OF THE QUALITY INDICATED IN THE SPECIFICATIONS AND SHALL CONFORM TO THE STANDARDS OF THE C.S.A. IN THE EVENT THAT A MATERIAL SPECIFIED DOES NOT BEAR C.S.A. OR EQUIVALENT APPROVAL, THE CONTRACTOR IS TO OBTAIN THE APPROVAL OF THE LOCAL INSPECTION AUTHORITY AND MAKE ANY MODIFICATIONS REQUIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.

5. <u>SUBSTITUTIONS</u>
EQUIPMENT AND MATERIAL SHALL BE INSTALLED AS SPECIFIED. REQUESTS FOR EQUAL STATUS SHALL BE SUBMITTED TO THE ENGINEER 7 DAYS PRIOR TO CLOSE OF TENDER.

FOLLOW EXISTING WIRING METHODS AND STANDARDS. ALL WORK TO BE DONE IN A NEAT AND PROFESSIONAL MANNER. CABLE AND CONDUIT RUNS TO BE RUN PARALLEL TO BUILDING LINES. WALL DEVICES AND EQUIPMENT TO BE INSTALLED SQUARE AND PLUMB. CEILING DEVICES AND LIGHTS TO BE CENTERED OF SPACE AND IN LINE UNLESS SHOWN OTHERWISE ON DRAWINGS. EXPOSED WIRING SHALL BE RUN IN CONDUIT, WITH AC90 DROPS FOR FLEXIBLE CONNECTIONS.

ALL CONDUCTORS TO BE COPPER UNLESS SPECIFIED OTHERWISE AND OF A MINIMUM SIZE OF #12 AWG IN COMMON AREAS, AND #14 AWG IN SUITES. ALL CONDUCTORS TO BE SIZED TO KEEP VOLTAGE DROP WITHIN ALLOWABLE LIMITS. ALL WIRE RUN IN RETURN AIR SPACES SHALL BE FT6 RATED.

INSTALL TAMPER-RESISTANT AND ARC-FAULT PROTECTED RECEPTACLES WHERE REQUIRED BY CODE. IF USING ARC-FAULT RECEPTACLES TO PROTECT WIRING ON THE LOAD SIDE, USE AC-90 OR CONDUIT FROM THE PANEL TO THE ARC-FAULT RECEPTACLE. RECEPTACLES MARKED '20A' ARE TO BE CSA CONFIGURATION 5-20R UNLESS OTHERWISE NOTED.

EXIT SIGNS SHALL BE PROVIDED WITH DC POWER FROM THE NEAREST BATTERY UNIT. PROVIDE ALL WIRING AND TERMINATIONS FOR TELEPHONE, DATA, AND TV TO ENSURE COMPLETE AND OPERATING SYSTEMS UNLESS NOTED OTHERWISE. FIRESTOP ALL HOLES MADE THROUGH FIRE WALLS IN COORDINATION WITH THE GENERAL CONTRACTOR.

CIRCUIT INFORMATION AND DIRECTORIES ON THESE DRAWINGS SHOW A SUGGESTED LAYOUT OF CIRCUITS, THOUGH THEIR PRIMARY PURPOSE IS FOR DEPICTING CIRCUITS REQUIRED ON EACH PANEL, AND CIRCUIT LOADING, ADAPT CIRCUITRY IN THE FIELD TO ENSURE AN EFFICIENT INSTALLATION, GIVING ATTENTION TO PROPER BALANCING OF PHASES, CIRCUITS SHARING A NEUTRAL SHALL BE FED FROM ADJACENT BREAKERS, PROVIDE TYPE-WRITTEN DIRECTORIES FOR PANELS, DISTRIBUTION EQUIPMENT TO BE PROVIDED WITH RAIN HOODS IN A SPRINKLED AREA.

BOXES ON OPPOSITE SIDES OF A WALL SHALL BE STAGGERED - DO NOT MOUNT BACK TO BACK. SWITCHES, COUNTER RECEPTACLES, PULL STATIONS, AND CONTROLS SHALL BE MOUNTED 1200mm (47") TO TOP ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED ON DRAWINGS. RECEPTACLES SHALL BE MOUNTED 400mm (16") TO TOP A.F.F. ALL DEVICES AND CONTROLS LOCATED IN AN AREA DESIGNATED AS BARRIER-FREE SHALL BE MOUNTED BETWEEN 400mm (16") TO BOTTOM AND 1200mm (47") TO TOP ABOVE FINISHED FLOOR. DOOR ACTUATORS SHALL BE MOUNTED AT LEAST 235mm (9") TO CENTER A.F.F., BUT NO MORE THAN 900mm (36") TO CENTER A.F.F.. HORN/STROBES SHALL BE MOUNTED AT 2300mm (90") TO CENTER A.F.F. IF CEILING HEIGHT ALLOWS.

THE ELECTRICAL CONTRACTOR SHALL WARRANTY THE SATISFACTORY OPERATION OF ALL WORK AND MATERIALS INCLUDED AND INSTALLED UNDER THIS SECTION OF THE SPECIFICATION FOR A PERIOD OF ONE YEAR AFTER THE FINAL ACCEPTANCE OF THE COMPLETE BUILDING.

10. AS-BUILT DRAWINGS SUBMIT ONE SET OF CORRECTED 'AS-BUILT' DRAWINGS OR CORRECTED DRAWINGS IN DWG FORMAT TO THE OWNER. CONFIRM REQUIREMENTS PRIOR TO COMPLETION.

UPON COMPLETION AND BEFORE FINAL PAYMENT IS MADE, PRESENT TO THE ENGINEER A CERTIFICATE OF APPROVAL OR VERIFICATION FOR ALL ELECTRICAL WORK FROM THE INSPECTION DEPARTMENT HAVING JURISDICTION.

HEATING SCHEDULE

TYPE	DESCRIPTION	ĸw	VOLTS/PH	BREAKER	CONDUCTOR	NOTES
EE4	FORCE FLOW HEATER OUELLET OAC04000-T	3 kW	208V/1PH	15A/2P	2 #12	REFEED FROM PANEL 200, C/W BUILT IN STAT

NUMBER	DESCRIPTION	KW/HP/A	VOLTS/PH	BREAKER	CONDUCTOR	LOCATION	NOTES
FC-1	FAN COIL	9 MCA	208V/3PH	15A/3P	3 #12	ROOM 113	REFEED FROM PANEL 300
FC-2	FAN COIL	6.8 A	208V/1PH	15A/2P	2 #12	ROOM 113	REFEED FROM PANEL 300
RF-1	RETURN FAN	1/2 HP	120V/1PH	20A/1P	2 #12	ROOM 113	REFEED FROM PANEL 300, PROVIDE HOA STARTER
RF-2	RETURN FAN	3/4 HP	120V/1PH	20A/1P	2#12	ROOM 113	REFEED FROM PANEL 300, PROVIDE HOA STARTER
C-1	CONDENSING UNIT	28 MCA	208V/3PH	45A/3P	3 #8	OUTSIDE	REFEED FROM PANEL 300
C-2	CONDENSING UNIT	23.4 MCA	208V/1PH	40A/2P	2 #8	OUTSIDE	REFEED FROM PANEL 300

MATCH BREAKER AND WIRE SIZES TO ACTUAL NAMEPLATE RATINGS OF EQUIPMENT

PROVIDE LOCAL DISCONNECTS TO CODE

REFER TO MECHANICAL DRAWINGS FOR CONTROLS

THIS DRAWING MUST NOT BE SCALED.

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS PRIOR TO COMMENCEMENT OF WORK AND IS HELD RESPONSIBLE FOR REPORTING ANY DISCREPANCY OR OMISSION TO JOREY ELECTRIC LTD. IMMEDIATELY.

THIS DRAWING IS THE EXCLUSIVE PROPERTY OF JOREYELECTRIC LTD. AND CAN BE REPRODUCED ONLY WITH THE PERMISSION OF JOREYELECTRIC LTD. IN WHICH CASE THE REPRODUCTION MUST BEAR THEIR NAME AS THE ENGINEERING/DRAFTING FIRM.

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Engineering (skwa Road E MB R2J 3T3

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Certificate of Authorization

Jorey Electric Ltd.

No. 4600 Date: 5 OCT 2018