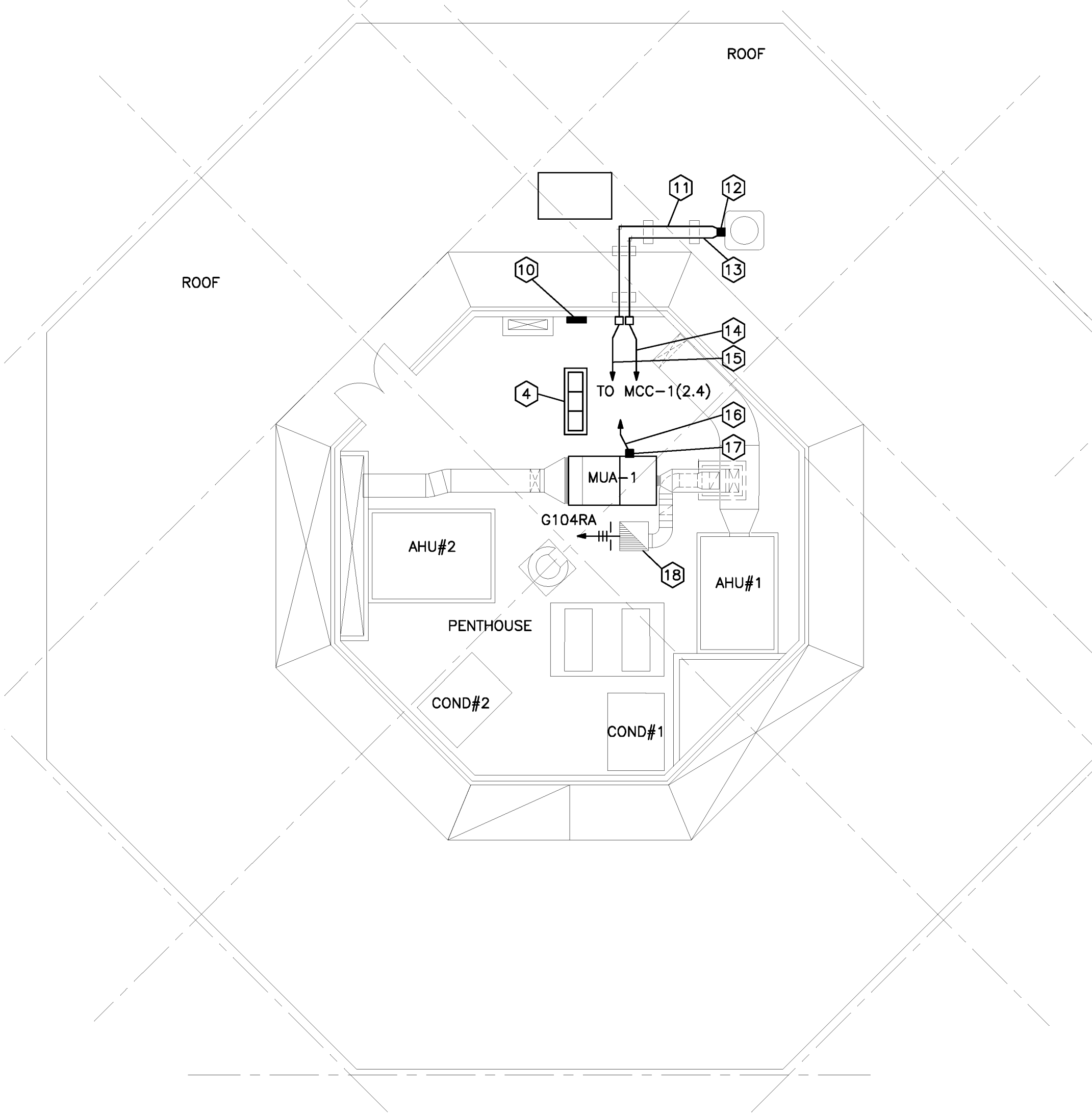


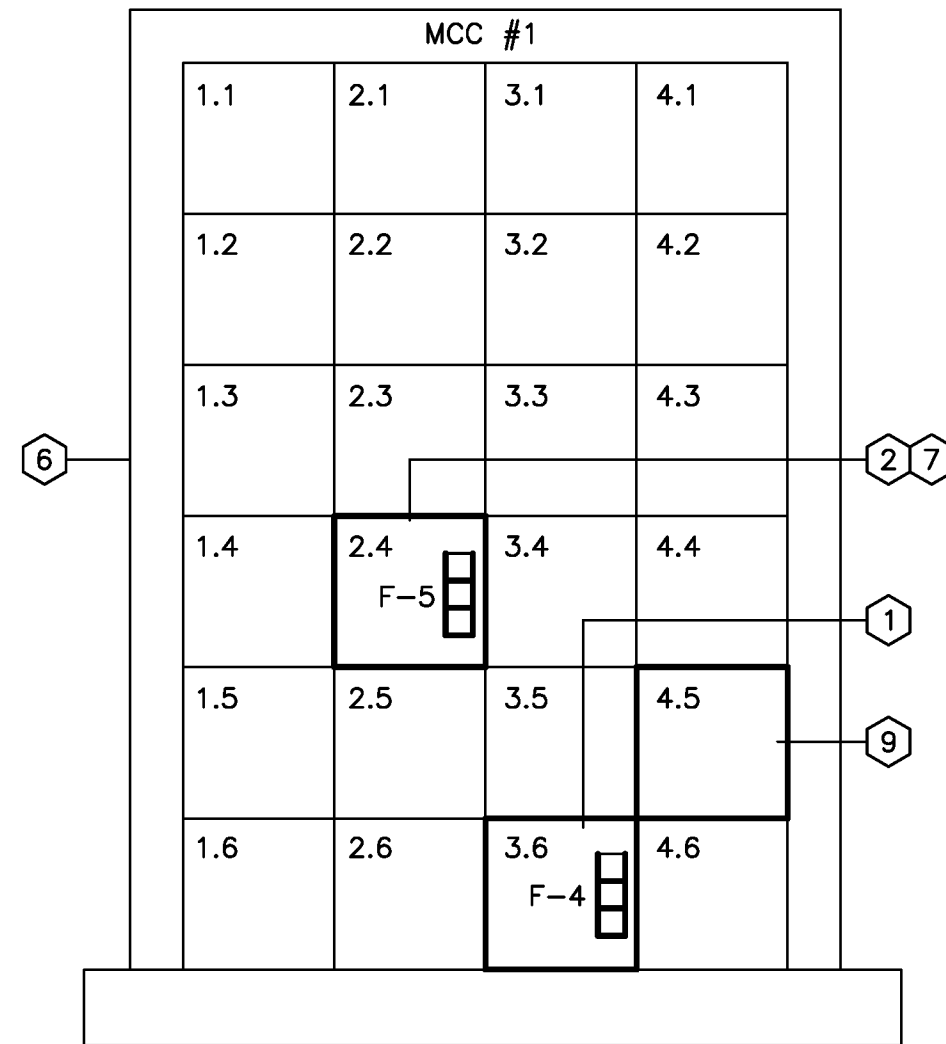
PENTHOUSE PLAN - EXISTING AND DEMOLITION

SCALE : 1:100



PENTHOUSE PLAN - NEW

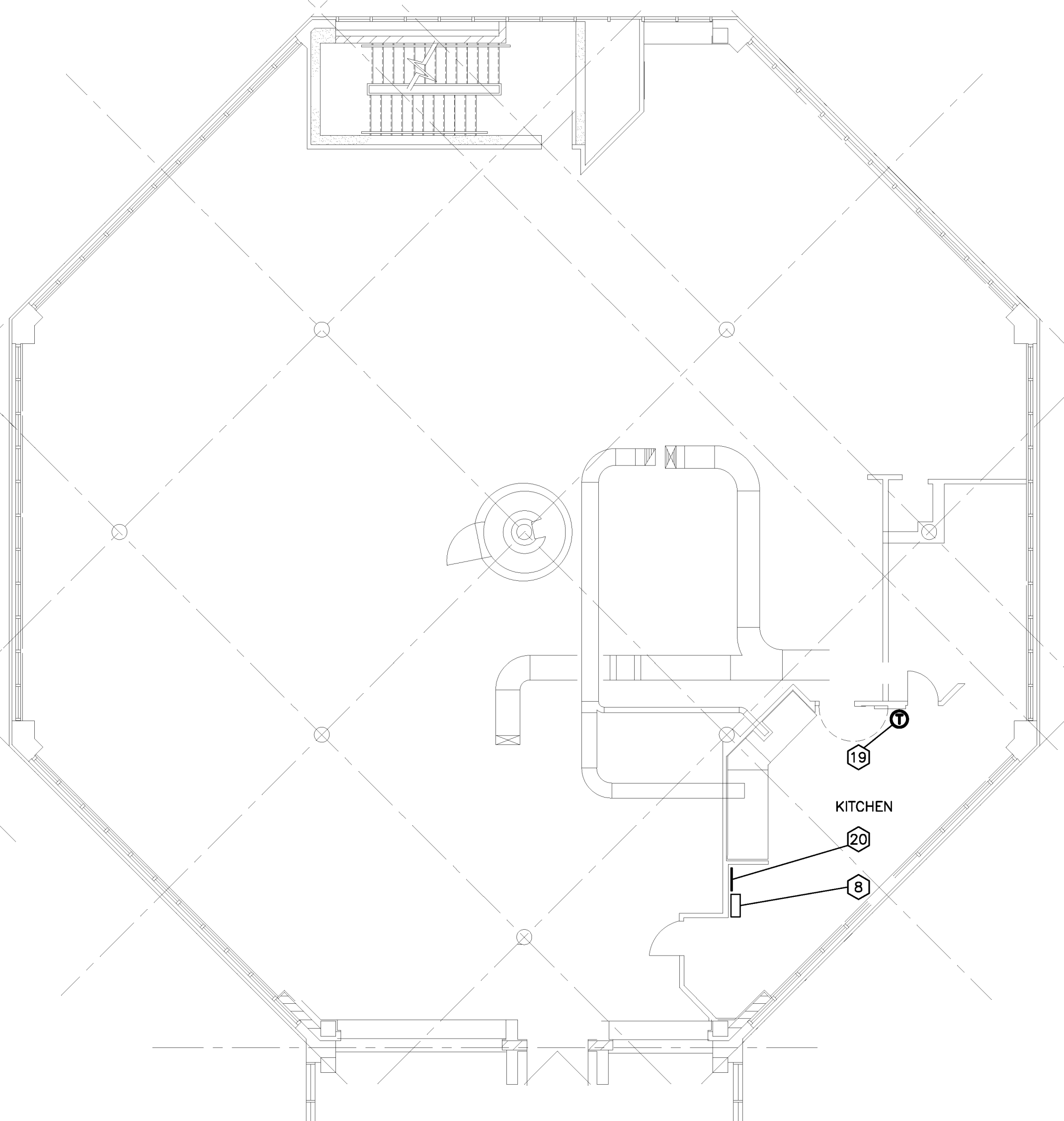
SCALE : 1:100



NOTE:  
CONTRACTOR TO REPLACE OVERLOADS IN  
EXISTING STARTERS TO SUIT NEW MOTORS.

MCC G10 No.1

NTS



FLOOR PLAN - LEVEL 3 - MODULE G10 - NEW

SCALE : 1:100

DRAWING NOTES:

- EXISTING FAN F4: FAN TO BE REMOVED BY MECHANICAL. ELECTRICAL CONTRACTOR TO DISCONNECT POWER AND CONTROL WIRING TO ACCOMMODATE REMOVAL. POWER SUPPLY FROM MCC No.1, STARTER 3.6, 600 VOLTS, 3 PHASE. COORDINATE WITH HONEYWELL FOR REMOVAL OF CONTROL WIRING. ELECTRICAL CONTRACTOR TO REMOVE ALL CONDUIT AND BOXES ASSOCIATED WITH ABANDONED WIRING. PROVIDE NEW NAMEPLATE "SPARE".
- EXISTING FAN F5: FAN TO BE REMOVED BY MECHANICAL. ELECTRICAL CONTRACTOR TO DISCONNECT POWER AND CONTROL WIRING TO ACCOMMODATE REMOVAL. POWER SUPPLY FROM MCC No.1, STARTER 2.4, 600 VOLTS, 3 PHASE. COORDINATE WITH HONEYWELL FOR REMOVAL OF CONTROL WIRING. ELECTRICAL CONTRACTOR TO REMOVE ALL CONDUIT AND BOXES ASSOCIATED WITH ABANDONED POWER AND CONTROL WIRING. SEE NOTE 7 FOR NEW WORK.
- EXISTING PANEL G104RA: THE CONTROL WIRING FOR THE ECOLOGY SYSTEM IS PROVIDED BY HONEYWELL, AND CONSISTS OF CONDUITS, BOXES AND WIRING RUN ALONG THE CEILING, ATTACHED TO THE ECOLOGY UNIT, AND CONNECTED TO THE CONTROL SYSTEM. COORDINATE WITH HONEYWELL FOR REMOVAL OF ALL SUCH SERVICES ASSOCIATED WITH THE EXISTING ECOLOGY SYSTEM. ENSURE THAT CONTROLS TO OTHER EQUIPMENT NOT ASSOCIATED WITH THIS PROJECT ARE NOT AFFECTED.
- EXISTING MCC G10 No.1.
- EXISTING ECOLOGY UNIT TO BE REMOVED BY MECHANICAL. FANS F4 AND F5 ARE PART OF THE ECOLOGY UNIT ASSEMBLY.
- EXISTING MCC No.1 MODULE G10 (ALLEN-BRADLEY CENTRELINE BUL. 2100).
- REUSE EXISTING STARTER 2.4 FOR NEW OUTDOOR CONDENSING UNIT. 20 AMPS, 575 VOLTS, 3Ø. REPLACE THE INTERIOR MECHANISM WITH NEW STARTER, BREAKER AND O/L FOR THE NEW CONDENSER. SUPPORT VERTICAL CONDUIT FROM MCC AND SUPPORT CONDUIT FROM ROOF STRUCTURE TO EXTERIOR WALL. RUN EMT DOWN ON THE INSIDE OF EXTERIOR WALL AND CHANGE TO LIQUID TIGHT FLEXIBLE CONDUIT TO CONDENSER UNIT ON ROOF. RUN CONDUIT THROUGH EXTERIOR WALL ALONG WITH MECHANICAL PIPING AND SEAL FOR WATER TIGHT INSTALLATION.
- ECOLOGY UNIT CONTROL PANEL (KITCHEN): CONTRACTOR TO DISCONNECT EXISTING 120V POWER SUPPLY FROM EXISTING PANEL. DISCONNECT AND REMOVE EXISTING CONTROL WIRING. COORDINATE WITH MECHANICAL AND CONTROLS CONTRACTOR.
- PROVIDE NEW 70 AMP-3P BREAKER/100 AMP-3P CONTACTOR COMBINATION WITH HOA SELECTOR SWITCH IN EXISTING MCC#1 FOR MUA-1. INCLUDE ALL MOUNTING HARDWARE AND ASSOCIATED COMPONENTS TO SUIT THE NEW EQUIPMENT. NEW BREAKER INTERRUPTING CAPACITY TO BE THE SAME AS THE CURRENT INSTALL. EXISTING MCC: ALLEN BRADLEY CENTRELINE BUL 2100. CONTRACTOR TO INVESTIGATE DETAILS ON SITE. PROVIDE ENGRAVED NAMEPLATE.
- PROVIDE NEW 15 AMP 3 POLE BREAKER IN EXISTING PANEL G104RA FOR NEW ROOF MOUNTED EXHAUST FAN (EF-1). PROVIDE 3 #12 RW90 WIRES PLUS 1 #12 TZ GROUND IN 21mm CONDUIT FROM NEW 15 AMP 3 POLE BREAKER TO NEW EXHAUST FAN EF-1. USE EMT CONDUIT INSIDE AND FLEXIBLE METAL CONDUIT OUTSIDE. SEAL CONDUIT PENETRATION FOR WATER TIGHT INSTALLATION. CONNECT TO DISCONNECT DEVICE SUPPLIED WITH THE FAN. COORDINATE WITH MECHANICAL. EXISTING PANEL: FPE NBLP42B-4LCI., UPDATE PANEL DIRECTORY.
- 21mm EMPTY LIQUID TIGHT FLEXIBLE CONDUIT WITH S.S. FITTINGS FOR CONTROL WIRING. RUN ALONG SIDE ELECTRICAL CONDUIT AND TERMINATE AT EXISTING EMCS. COORDINATE WITH MECHANICAL.
- CONNECTION FOR NEW OUTDOOR CONDENSER UNIT (600/3/60). CONNECT TO DISCONNECT SWITCH ON UNIT, SUPPLIED BY MECHANICAL.
- ELECTRICAL FEEDER TO OUTDOOR CONDENSER. 3#12 RW90 WIRES PLUS 1#12 TW GROUND IN 21mm LIQUID TIGHT FLEXIBLE CONDUIT WITH WATER TIGHT S.S. FITTINGS. PROVIDE CONTINUOUS GALVANIZED STRUT FASTENED TO MECHANICAL PIPE SLEEPERS AND ATTACH CONDUIT TO STRUT WITH GALVANIZED STRAPS. CHANGE TO EMT CONDUIT INSIDE BUILDING.
- 3#12 RW90 WIRES PLUS 1#12 TW GROUND IN 21mm EMT TO MCC. ALSO SEE NOTE 7.
- 21mm EMPTY EMT FOR CONTROLS. CONTROL WIRING TO EMCS.
- 3#3 RW90 WIRES PLUS 1#6 TW GROUND. IN 35mm EMT TO MCC 4.5. ALSO SEE NOTE 9.
- CONNECTION FOR NEW MAKEUP AIR UNIT (MUA-1) 600/3/60. ALSO SEE NOTE 9. COORDINATE WITH MECHANICAL.
- NEW ROOF FAN EF-1 (3/4 HP, 208/3/60). FEED FROM EXISTING PANEL G104RA. SEE NOTE 10.
- NEW THERMOSTAT BY MECHANICAL.
- EXISTING EXHAUST HOOD WATER WASH CONTROL PANEL TO BE REPLACED BY MECHANICAL IN SAME LOCATION. REUSE EXISTING ELECTRICAL CONNECTION. REROUTE AND/OR EXTEND WIRING TO SUIT NEW EQUIPMENT. COORDINATE WITH MECHANICAL.

C	REISSUED FOR TENDER	JUL 4 2018
B	ISSUED FOR TENDER	JUN 8 2018
A	ISSUED FOR 99% REVIEW	APR 3 2018
revisions		date

project  
NORTH WEST ATLANTIC FISHERIES CENTRE (NAFC) COOLING & VENTILATION REVONATIONS FOR POD G10  
project

drawing  
ELECTRICAL PLANS AND DETAILS  
dessin

designed	conçu
date	04/07/2018
drawn	dessiné
date	04/07/2018
approved	approuvé
date	04/07/2018
Tender	Soumission
PWSSC Project Manager	Administrateur de projets TPSSC
project number	no. du projet
R.999102.002	
drawing no.	no. du dessin
E-1	