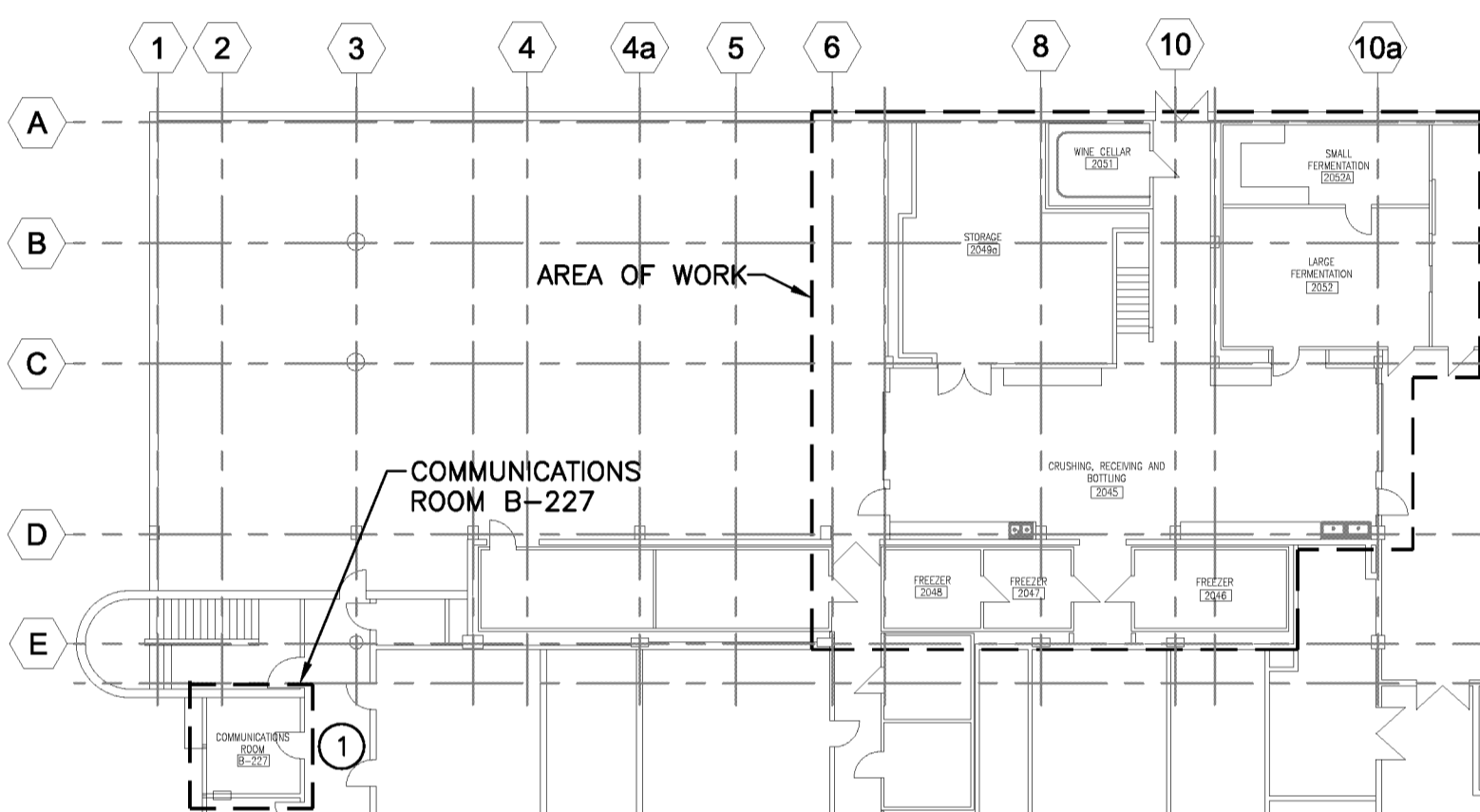


### DEMOLITION MEZZANINE LEVEL POWER & SYSTEMS LAYOUT

SCALE : 1:100

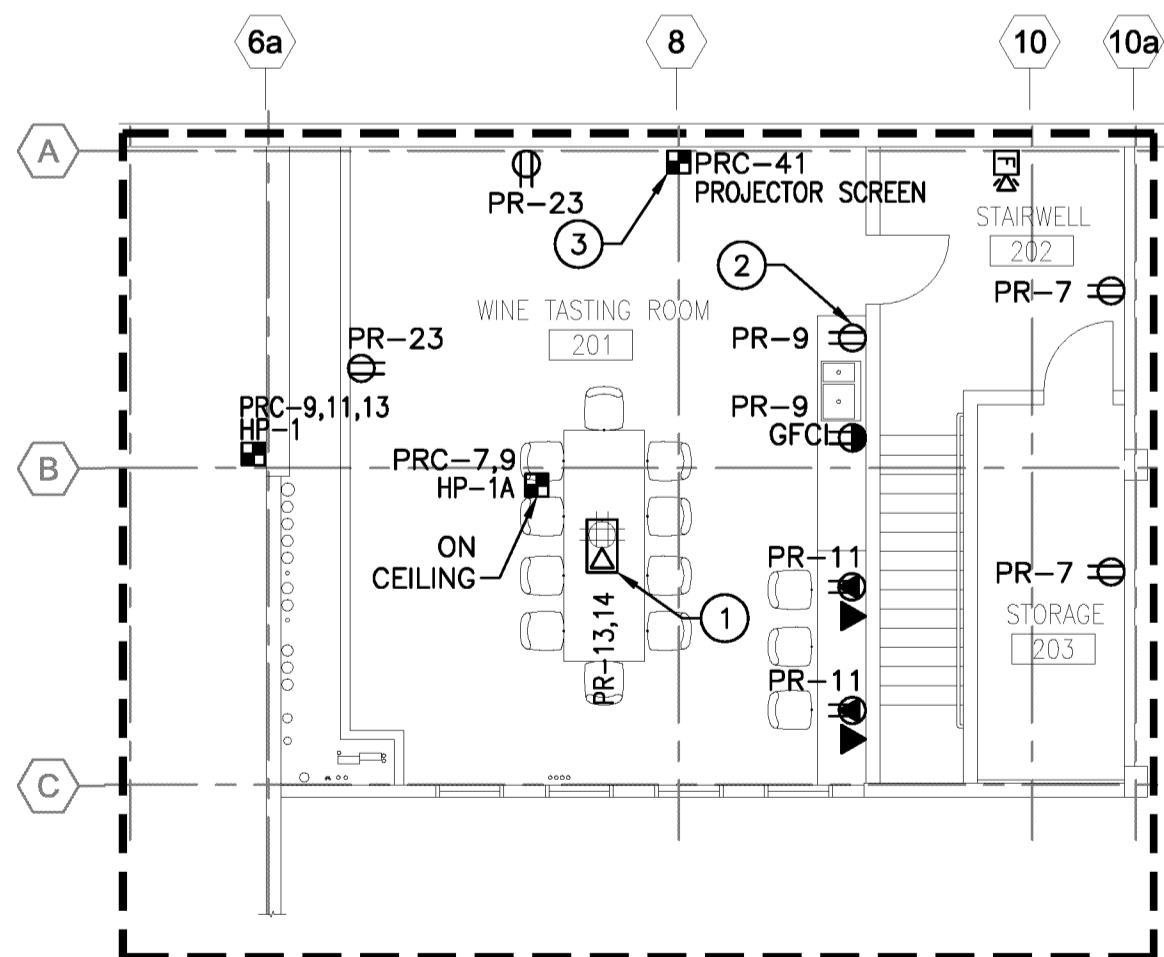


NOTES: #

1. WIRING FOR NEW DATA PORTS TO BE RUN FROM COMMUNICATIONS ROOM B-227.
2. CONTRACTOR TO TRACE ALL DATA PORTS INDICATED TO BE DEMOLISHED BACK TO SOURCE.
3. DEMOLITION OF DATA PORTS INCLUDES REMOVAL OF ALL ASSOCIATED CONDUCTORS, MADE REDUNDANT BY WORK, BACK TO THE POINT OF SOURCE. ASSOCIATED CONCEALED CONDUIT TO REMAIN WITH EMPTY CONDUITS BEING 'CAPPED, SEALED AND MARKED "REDUNDANT". ASSOCIATED SURFACE MOUNT CONDUITS TO BE REMOVED.

### EXISTING COMMUNICATIONS ROOM LOCATION

SCALE : 1:250

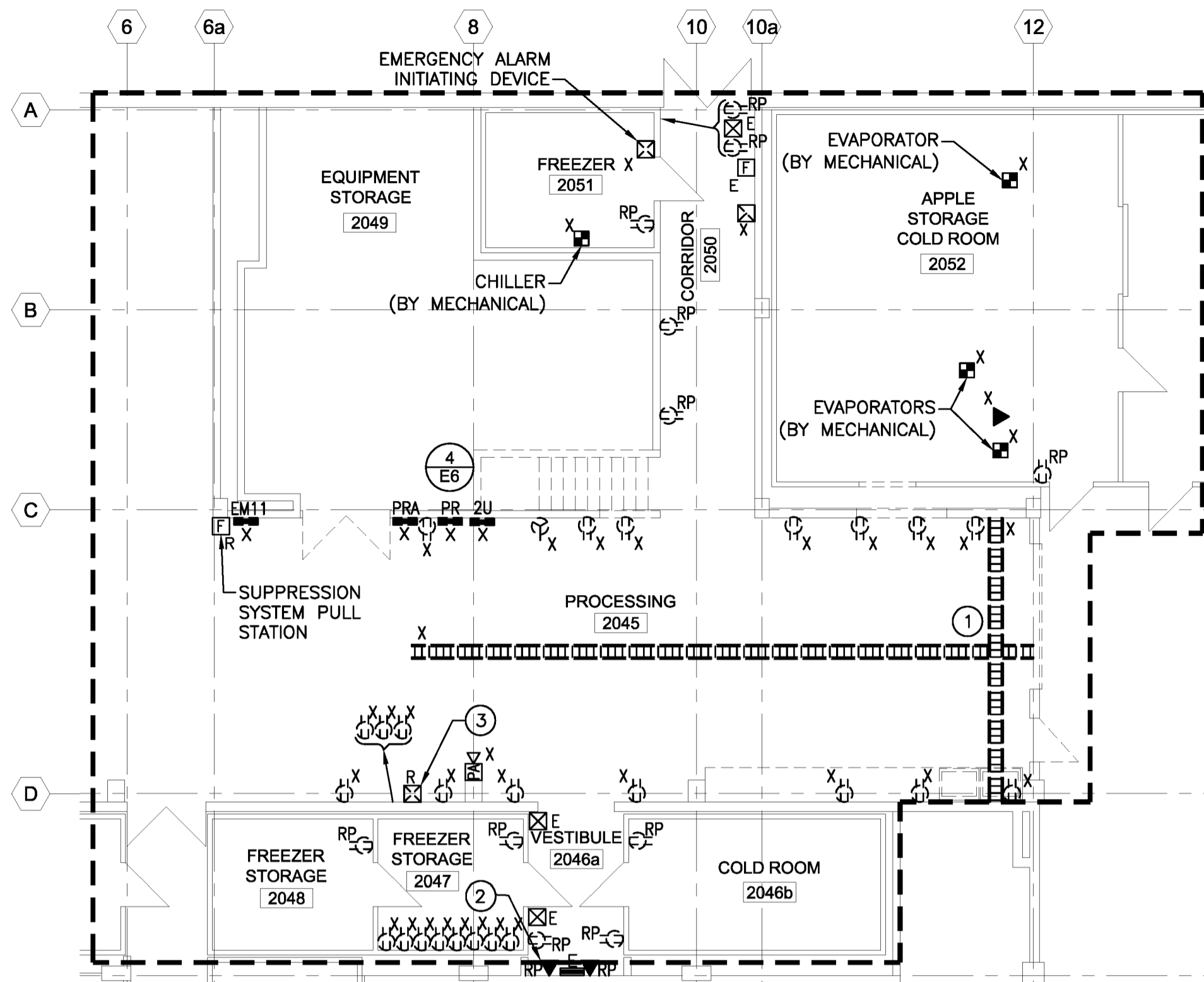


NOTES: #

1. CONTRACTOR SHALL VERIFY LOCATION OF REBAR IN MEZZANINE FLOOR BEFORE CORE DRILLING FOR FLOOR BOX TO ENSURE REBAR IS NOT DAMAGED WHILE CUTTING INTO FLOOR. CONTRACTOR TO ENSURE THE STRUCTURAL ARMATURE IS NOT DAMAGED DURING THE INSTALLATION OF FLOOR BOX.
2. DUPLEX RECEPTACLE TO BE INSTALLED UNDER COUNTER TO FEED MINI FRIDGE.
3. COORDINATE PROJECTOR SCREEN INSTALLATION WITH ARCHITECTURAL.

### NEW MEZZANINE LEVEL POWER & SYSTEM LAYOUT

SCALE : 1:100

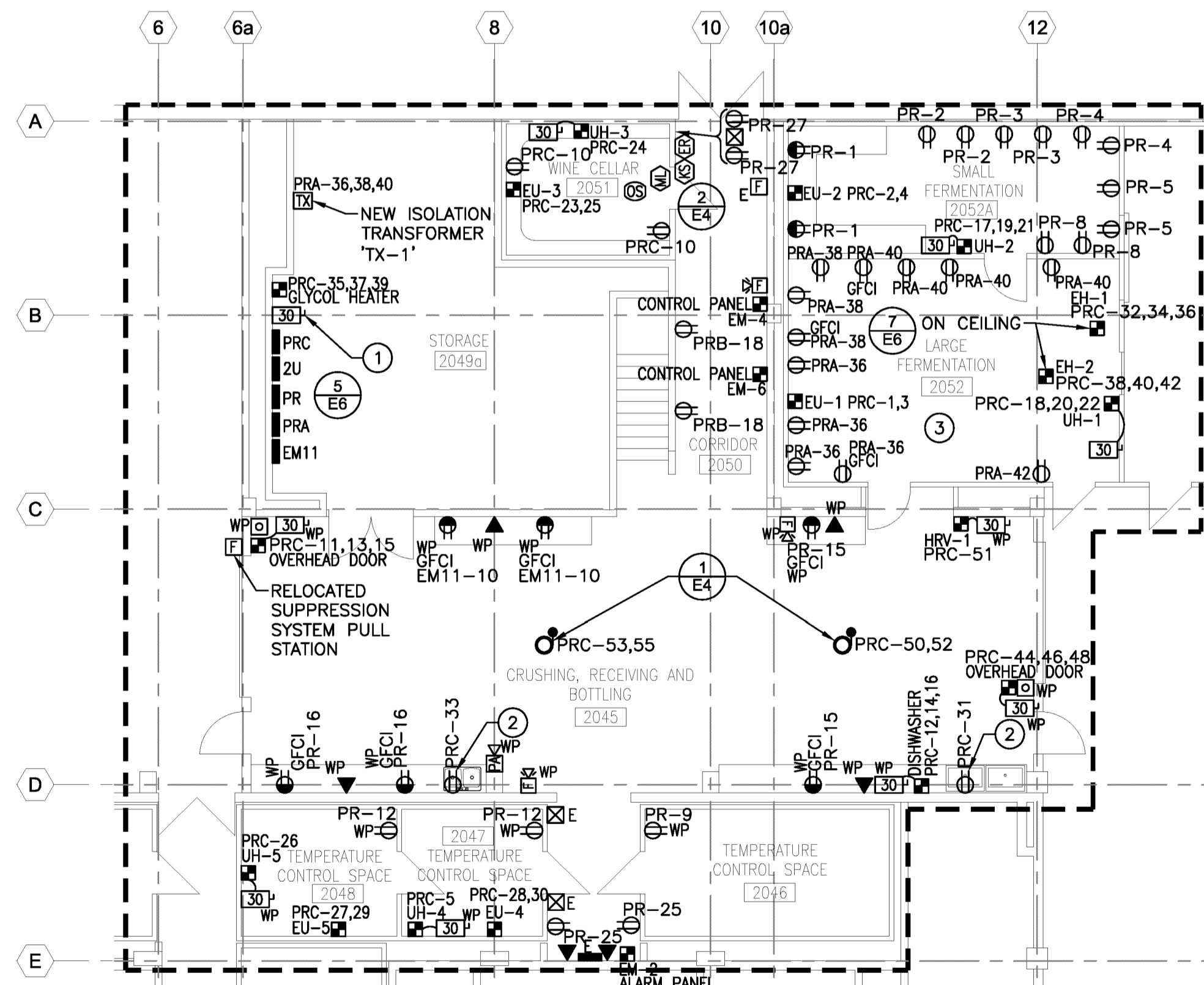
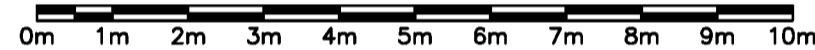


NOTES: #

1. DEMOLISH ENTIRE RACEWAY INCLUDING SECTION RUNNING DOWN SOUTHERN WALL.
2. INDICATED DATA OUTLET TO BE RELOCATED NEAR END DEVICE. FINAL LOCATION TO BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
3. EXISTING STOVE TO BE RELOCATED AS PER DEPARTMENTAL REPRESENTATIVE'S DIRECTION.

### DEMOLITION LEVEL 2 POWER & SYSTEM LAYOUT

SCALE : 1:100

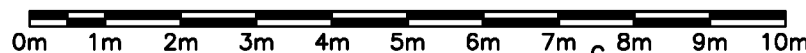


NOTES: #

1. 30-AMP DISCONNECT SWITCH FOR HP-1/ATU-1 CAPABLE OF BEING LOCKED IN THE OPEN POSITION BY A LOCK-OFF DEVICE APPROVED FOR PURPOSE. DEVICE TO BE CLEARLY LABELLED TO DESCRIBE THE LOAD CONNECTED.
2. DUPLEX RECEPTACLE TO BE INSTALLED UNDER SINK TO FEED GARBURATOR.
3. RECEPTACLES IN ROOM 2052 ON CIRCUIT PRA-36,38,40 ARE TO BE LABELLED 'POWER TEMPERATURE CONTROLLERS ONLY'.
4. ALL NEW CONDUITS ROUTED NORTH TO SOUTH ACROSS ROOM 2045 TO BE SUPPORTED USING A CEILING TRAPEZE HANGER, AS PER DETAIL 3 ON DRAWING E5.

### NEW LEVEL 2 POWER & SYSTEM LAYOUT

SCALE : 1:100

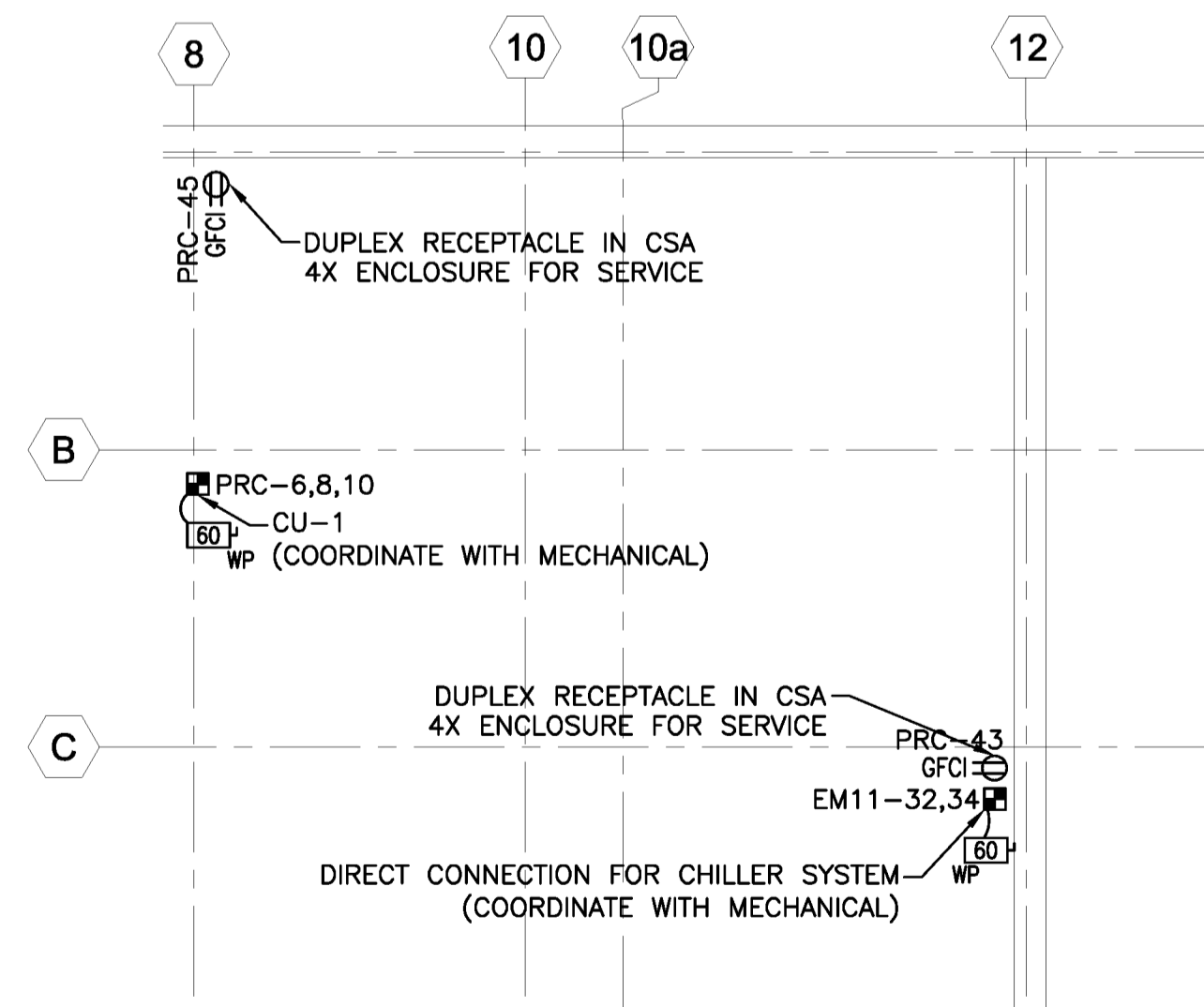


#### GENERAL NOTES:

1. NOT ALL SERVICES AND EQUIPMENT ARE SHOWN. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DISRUPTION OR DAMAGE OF EXISTING SERVICES TO REMAIN.
2. ALL EXISTING ELECTRICAL SERVICES TO REMAIN UNLESS NOTED OTHERWISE.
3. NUMBER OF CONDUIT BENDS IN A RUN SHALL NOT EXCEED THE EQUIVALENT OF FOUR 90° BENDS INCLUDING THE BENDS LOCATED AT AN OUTLET OR FITTING.
4. SCHEDULE WORK TO MINIMIZE DISRUPTION TO SITE OPERATIONS. COORDINATE ANY POWER OUTAGE WITH DEPARTMENTAL REPRESENTATIVE.
5. THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY INSPECT THE EXISTING CONDITIONS AND PROVIDE INSTALLATION OF COMPLETE AND FULLY FUNCTIONAL SYSTEMS AS SPECIFIED IN THE CONTRACT DOCUMENTS.
6. MAKE GOOD ALL EXISTING AND NEWLY EXPOSED HOLES AND IRREGULARITIES FROM THE REMOVAL OF ELECTRICAL SYSTEMS. REINSTATE AREAS AFFECTED BY SITE WORK TO MATCH EXISTING GRADES AND CONDITIONS.
7. REMOVE ALL ASSOCIATED CONDUITS AND WIRING BACK TO SOURCE FOR ALL EQUIPMENT AND DEVICES DESIGNATED FOR REMOVAL.
8. CONDUIT ROUTING INSIDE THE BUILDING IS NOT INDICATED. ROUTE CONDUITS IN ACCORDANCE WITH SPECIFICATION AND TO SUIT EXISTING CONDITIONS.
9. ALL REMOVED EQUIPMENT, DEVICES, CONDUITS AND WIRING SHALL BE DISPOSED BY CONTRACTOR. CONTRACTOR TO PAY ALL ASSOCIATED COSTS.
10. ALL COMMUNICATION AND DEVICES TO BE TIED BACK TO MAIN COMMUNICATION ROOM.
11. FUNCTIONALITY OF THE BUILDING SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
12. POWER:
  - CONTRACTOR TO CONFIRM ALL EXISTING CIRCUITS, FEEDERS AND LOADS FOR EACH OF THE EXISTING PANELS '2U', 'PR', 'PRA' AND 'EM11' PRIOR TO COMMENCEMENT OF WORK. PROVIDE AN UPDATED TAPED PANEL DIRECTORY FOR EACH PANEL.

- EXISTING ELECTRICAL PANELS '2U', 'PR', 'PRA' AND 'EM11' TO BE REMOVED. SUPPLY AND INSTALL NEW CONDUCTORS IN CONDUIT FROM SWITCHBOARD BUSDUCT IN ROOMS 1043B AND 2045 TO NEW PANELBOARDS AS PER DRAWING E6, DETAIL 5. TAG ALL CONDUCTORS WITH CIRCUIT NUMBER FROM APPROPRIATE SWITCHBOARD. ALL FIELD CONDUCTORS FROM EXISTING PANELBOARDS WHICH ARE ROUTED TO CEILING SPACE SHALL BE SPLICED BY TERMINATING ON TERMINALS IN A CSA TYPE 4X SPLICE JUNCTION BOX MOUNTED IN CEILING SPACE (MINIMUM ONE JUNCTION BOX FOR PANELBOARD). CONDUCTORS TO BE IDENTIFIED WITH PANELBOARD ID AND CIRCUIT NUMBER. CONTRACTOR TO SUPPLY AND INSTALL NEW CONDUIT AND CONDUCTORS FROM SPLICE JUNCTION BOX TO NEW PANELBOARD LOCATIONS. FOR ANY FIELD DEVICES THAT ARE ROUTED FROM THE PANELBOARD THROUGH THE FLOOR, CONTRACTOR TO DISCONNECT AND PULL BACK CONDUCTORS FROM FIELD DEVICE TO SOURCE. SUPPLY AND INSTALL NEW CONDUCTORS AND CONDUIT FROM FIELD DEVICE TO NEW PANELBOARD LOCATION. USE EXISTING CONDUIT SYSTEM WHEN PRACTICAL.

- ALL RECEPTACLES IN ROOM 2052A WILL BE PROTECTED BY A GFI BREAKER BACK AT THE PANELBOARD.
- ALL CIRCUITS THAT ARE INDICATED TO BE REUSED SHALL BE VERIFIED FOR CIRCUIT AVAILABILITY. IF NOT AVAILABLE, USE NEXT AVAILABLE CIRCUIT FOR POWER SOURCE.

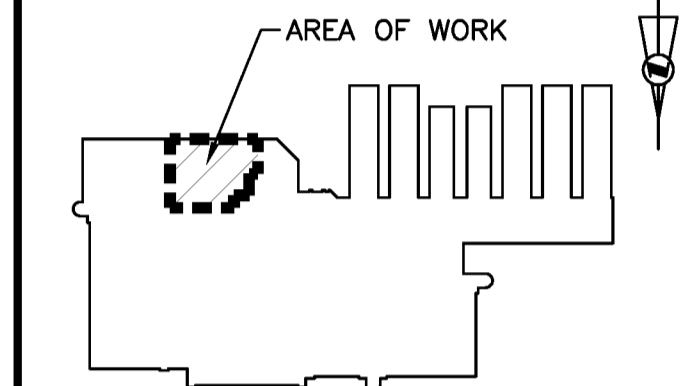
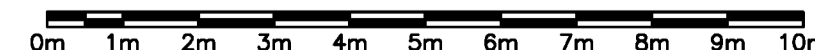


NOTES: #

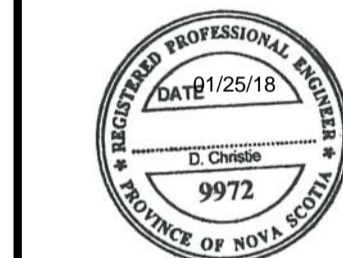
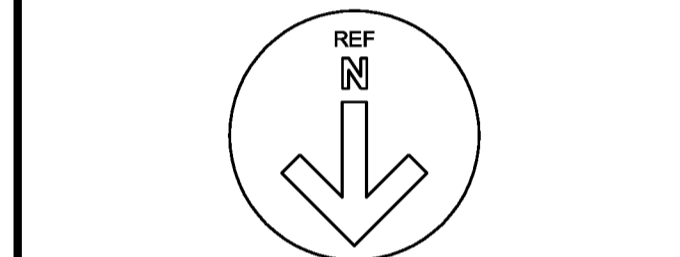
1. MOUNT SERVICE RECEPTACLES OFF ROOFTOP CURB. ROOF TOP SERVICE RECEPTACLES TO BE INSTALLED NOT LESS THAN 750mm ABOVE FINISHED ROOF.

### NEW ROOF LEVEL POWER LAYOUT

SCALE : 1:100



KEY PLAN



01	ISSUED FOR TENDER	01/25 2018
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revisions		date
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project		projet
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**AAFC RESEARCH  
CENTRE MICRO WINERY  
AAFC KENTVILLE  
RESEARCH CENTRE  
KENTVILLE, NS**

drawing		dessin
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### EXISTING / DEMOLITION AND NEW POWER AND SYSTEM LAYOUT

designed	S.R./S.M.	conçu
date	2018-01-25	
drawn	S.M.	dessiné
date	2018-01-25	
approved	D.C.	approuvé
date	2018-01-25	

Tender		Soumission
GM		
PWSC Project Manager		Administrateur de projets TPSGC

project number / no. du projet  
**R.083308.001**

drawing no.		no. du dessin
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**E2**