

PARTIAL THIRD FLOOR PLAN (LEVEL 4)

SCALE: 1:100  
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

**GENERAL NOTE:**

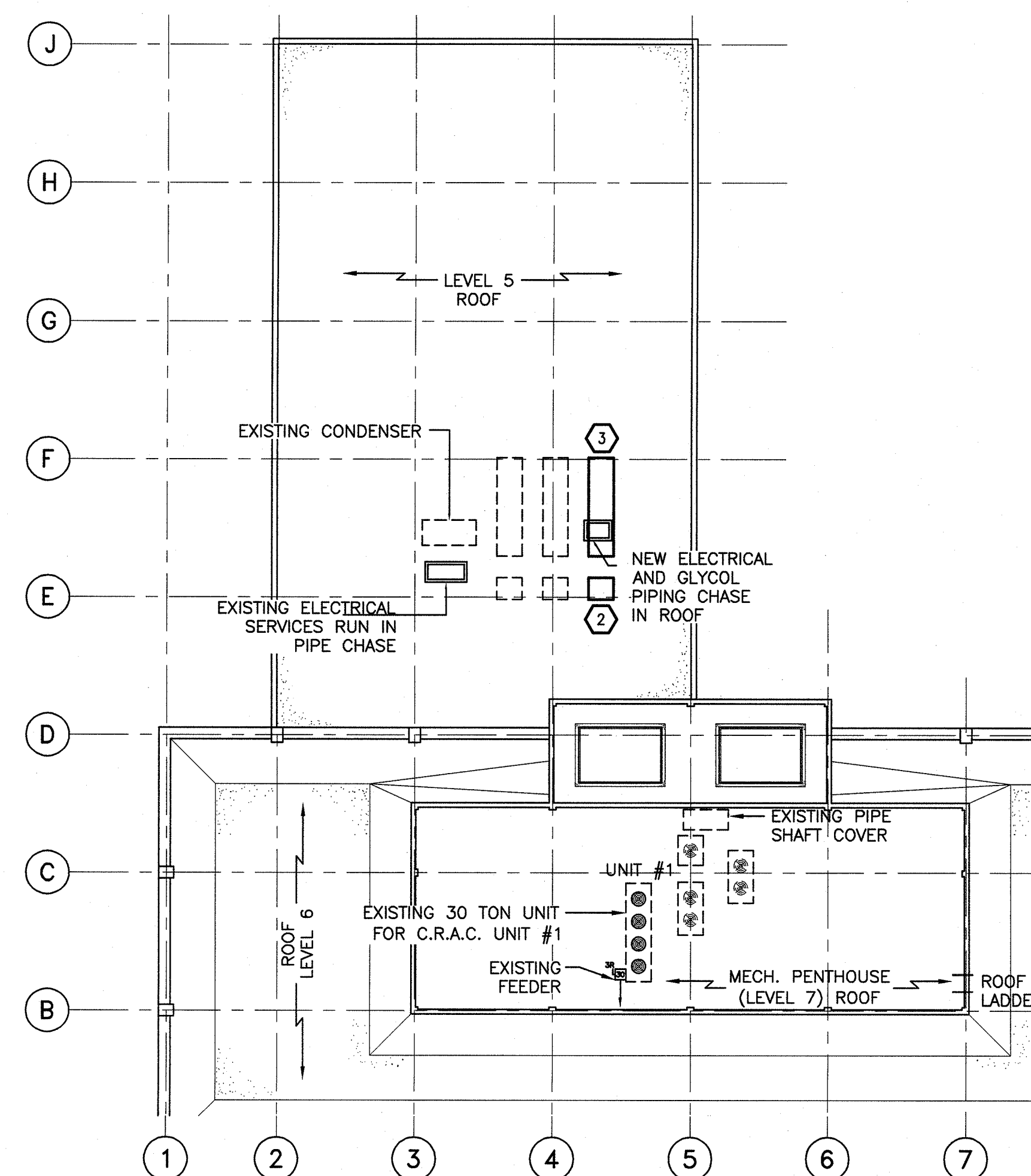
UPDATE, PRINT IN COLOR, LAMINATE & AFFIX SINGLE LINE DRAWINGS IN ELECTRICAL ROOMS. (2 LOCATIONS, 4 DRAWINGS TOTAL).

**SPECIFIC NOTES:**

1. REMOVE ALL POWER WIRING AND CONDUIT FROM INDOOR UNIT FOR EXISTING CRAC UNIT #1. SUPPLY AND INSTALL NEW WIRING AND CONDUIT IN FLOOR BELOW EXISTING UNIT, FOLLOWING EXISTING ROUTING TO PANEL.
2. REMOVE ALL POWER WIRING AND CONDUIT FROM EXISTING ROOFTOP UNIT CONNECTED TO CRAC#1, LOCATED ABOVE 6TH FLOOR (LEVEL 7), BACK TO PANEL. UPDATE PANEL DIRECTORY ACCORDINGLY.
3. PROVIDE (3) THREE ADDITIONAL PAIRS OF #16 AWG IN 16mm C FROM CRAC UNITS INDICATED TO CONDENSER, FOR USE BY CONTROLS CONTRACTOR. COORDINATE WITH CONTROLS CONTRACTOR. CONVERT FEEDER TO LIQUID TIGHT FLEXIBLE CONDUIT FOR ROOF AREA.

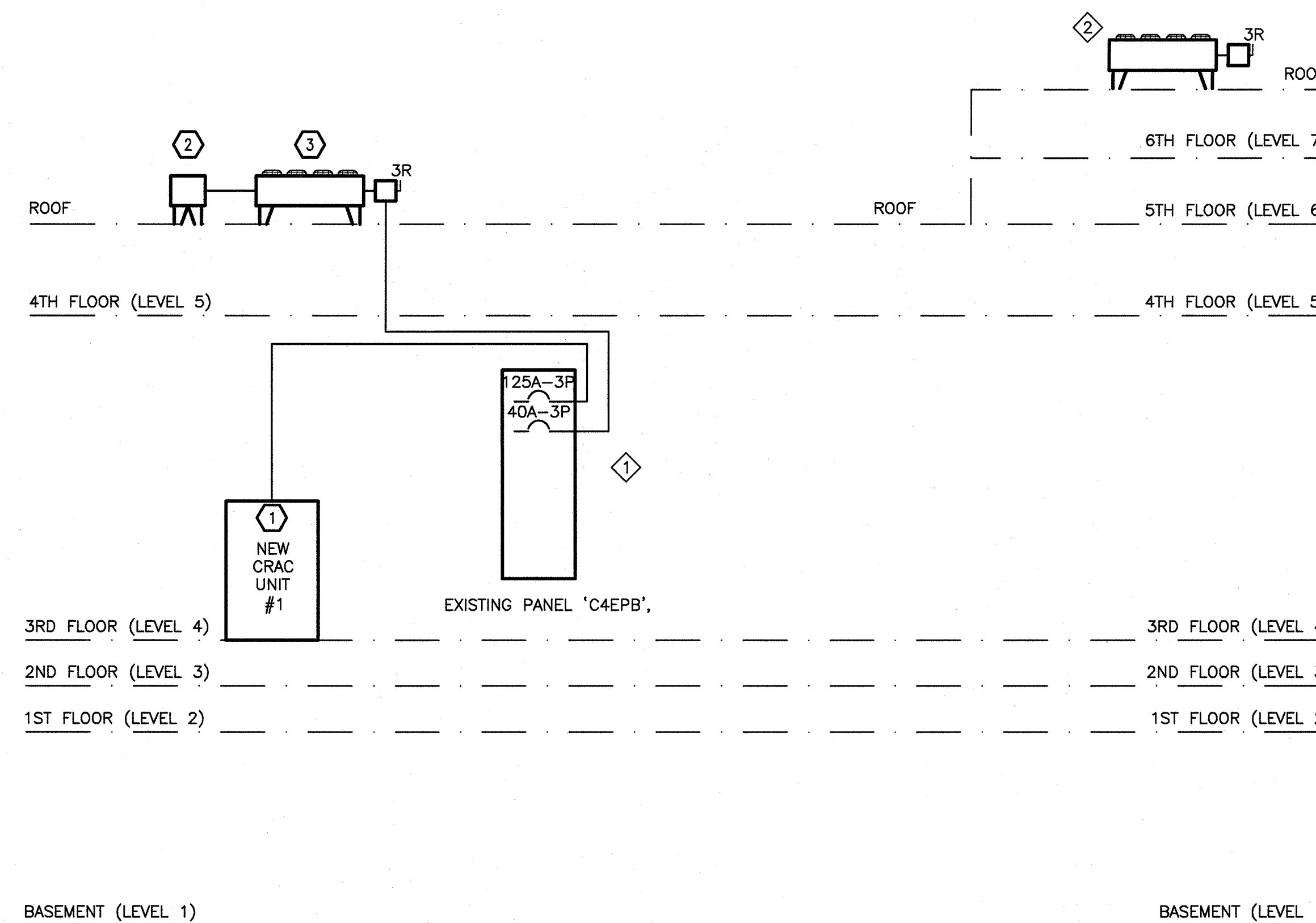
**NOTES**

N.T.S.



PARTIAL ROOF PLAN ABOVE FOURTH FLOOR (LEVEL 5) AND ABOVE SIXTH FLOOR (LEVEL 7)

SCALE: 1:200  
0m 5m 10m 15m 20m 25m



PARTIAL SINGLE LINE DIAGRAM

N.T.S.

**MECHANICAL EQUIPMENT SCHEDULE**

NO.	ITEM	DESCRIPTION	LOCATION	LOAD	VOLTS	Ø	BREAKER	FEEDER	DISCONNECT	STARTER	PANEL	NOTES
1	NEW CRAC	CRAC UNIT	SERVER ROOM	95.4 FLA	600	3	SEE SLD	3#12 RW90 + BOND, 41mm EMT	-	-	'C4EPB'	-
2	NEW PUMP	CIRCULATION PUMP	ROOF	5.6kW	600	3	-	3#12 RW90 + BOND, 21mm EMT	-	-	CONDENSER UNIT 1	1,2
3	NEW COND	CONDENSER UNIT	ROOF	7.5 HP	600	3	SEE SLD	3#8 RW90 + BOND, 27mm EMT	30A-3R	-	'C4EPC'	1,3

**NOTES:**

1. CONVERT FEEDER TO LIQUID TIGHT FLEXIBLE CONDUIT FOR ROOF AREA.
2. CONNECT PUMP FEEDER TO CORRESPONDING CONDENSER, COORDINATE WITH MECHANICAL CONTRACTOR.
3. CONDENSER FEEDER SIZED TO INCLUDE CORRESPONDING CIRCULATION PUMP, COORDINATE WITH MECHANICAL CONTRACTOR.

**STARTER LEGEND**

MS= MANUAL TYPE MOTOR STARTER  
C/W 0/1/2 PROTECTION  
MMS= MOTOR RATED SWITCH  
NCM= NONCOMBINATION MAGNETIC  
FNVR= FULL VOLTAGE NON-REVERSING  
RVNR= REDUCED VOLTAGE NON-REVERSING

HOA= COMBINATION MAGNETIC STARTER/NON-FUSED DISCONNECT C/W HAND/OFF/AUTO SELECTOR SWITCH  
CMB= COMBINATION MAGNETIC STARTER C/W FUSED CONTROL TRANSFORMER  
VFD= VARIABLE FREQUENCY DRIVE, BY DIV. 15/25

**MECHANICAL EQUIPMENT SCHEDULE**

N.T.S.



1	ISSUED FOR TENDER	10/08/2014
0	ISSUED FOR REVIEW	09/19/2014
revisions		date

project **MONCTON GOCB DOMINION PUBLIC BUILDING SHARED SERVICES CANADA CRAC UNIT REPLACEMENT** projet

drawing **PARTIAL FLOOR PLANS, SINGLE LINE DIAGRAM AND DETAILS** dessin

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date **SEPTEMBER, 2014**  
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date **SEPTEMBER, 2014**  
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