

**The Philadelphia Parking Authority
Mellon Independence Center
701 Market Street, Suite 5400
Philadelphia, PA 19106**

**Bid No. 16-10 – Primary Data Center Installation
Philadelphia International Airport
Addendum Two**

To: See Email Distribution List
From: Mary Wheeler
Manager of Contract Administration
Date: May 2, 2016
No Pages: 1

This addendum is issued on May 2, 2016 prior to the bid due date to add, delete, modify, clarify and/or to respond to questions submitted by prospective proposers regarding the work included in the above referenced bid request.

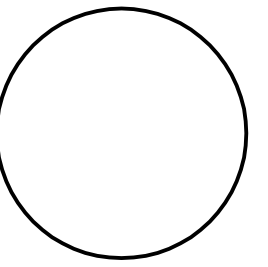
CLARIFICATIONS, CHANGES AND ADDITIONS TO THE BID DOCUMENTS

1. Drawing M1: The drawing was revised to show the rerouting of the condensate line to a new tie-in location at an existing 4" interior storm drain line. Detail 5/M1 was also added to detail the connection method at this tie-in point. Refer to Detail 5/M1 and Keyed Note #3.

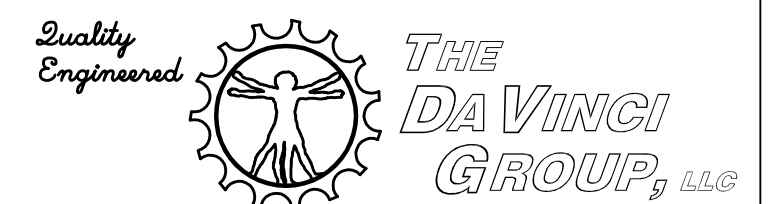
QUESTIONS

None

END OF ADDENDUM TWO



Signature _____ Date _____

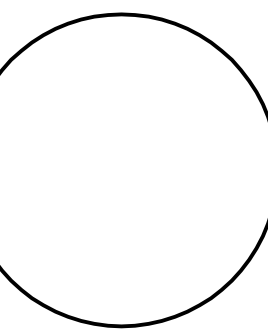


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REVISIONS

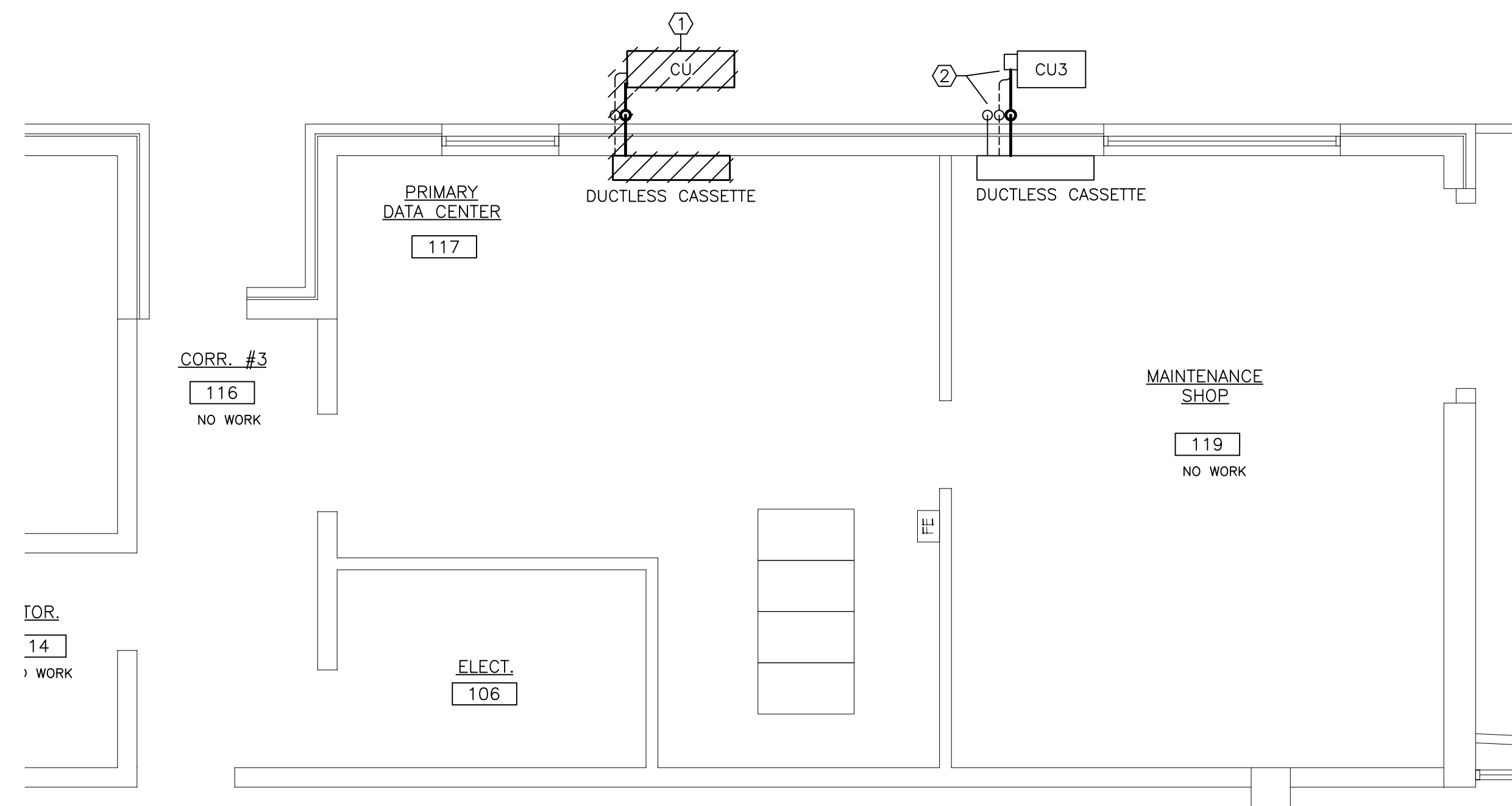
NO.	DATE	DESCRIPTION
B	CRR 29APR16	ISSUED FOR ADDENDUM #2
A	CRR 11APR16	ISSUED FOR BID

PPA PUBLIC BID NO. 16-10
INTERIOR AND EXTERIOR ALTERATIONS
TO THE
PHILADELPHIA PARKING AUTHORITY
ADMINISTRATION BUILDING
FOR A
NEW PRIMARY DATA CENTER INSTALLATION

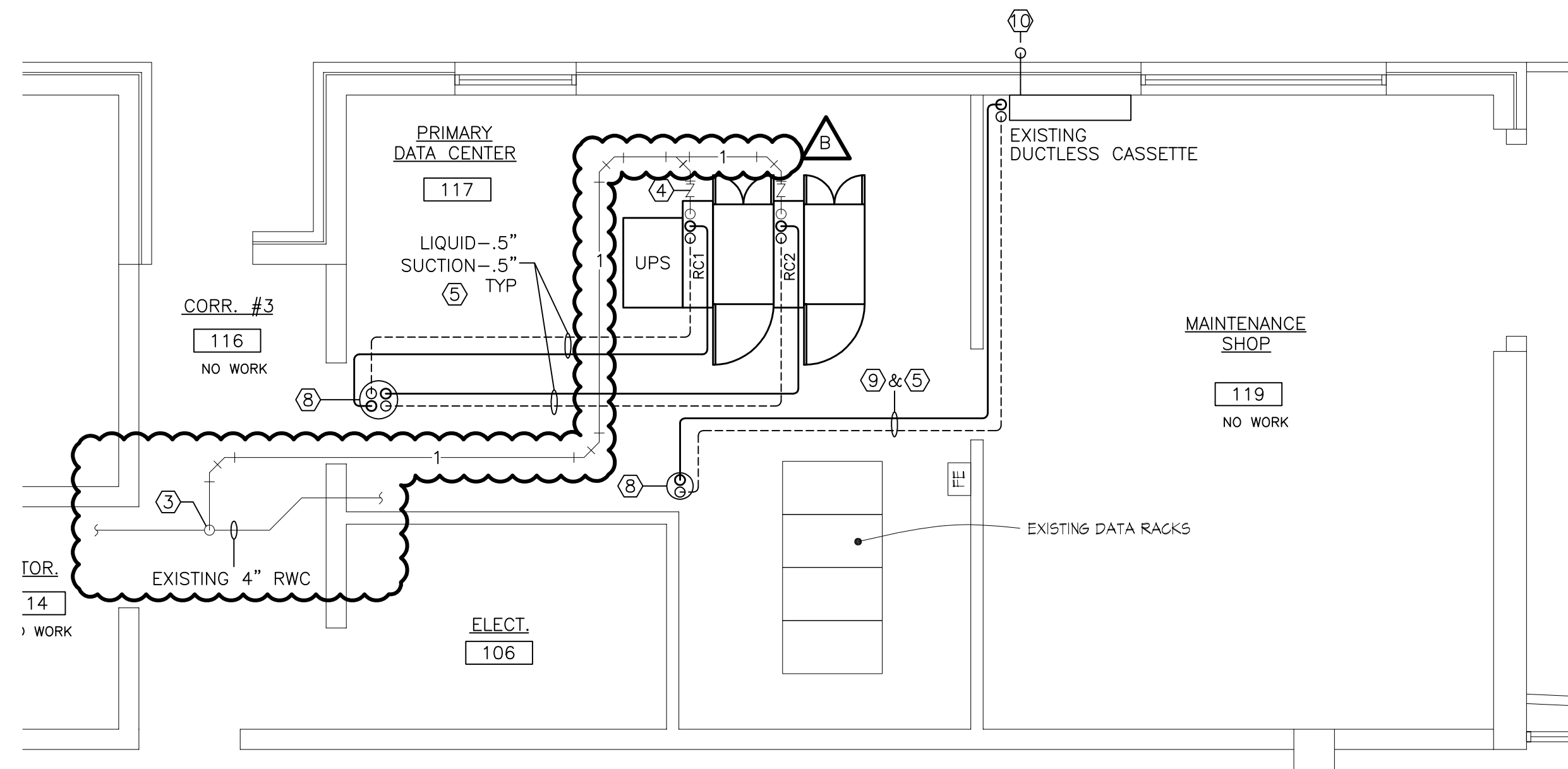
MECHANICAL DEMOLITION & NEW PLAN

DATE: 1 APR 2016 DRAWN BY: GLM
ARCHITECT PROJECT NO.: 1601-05 SHEET 1 OF 1

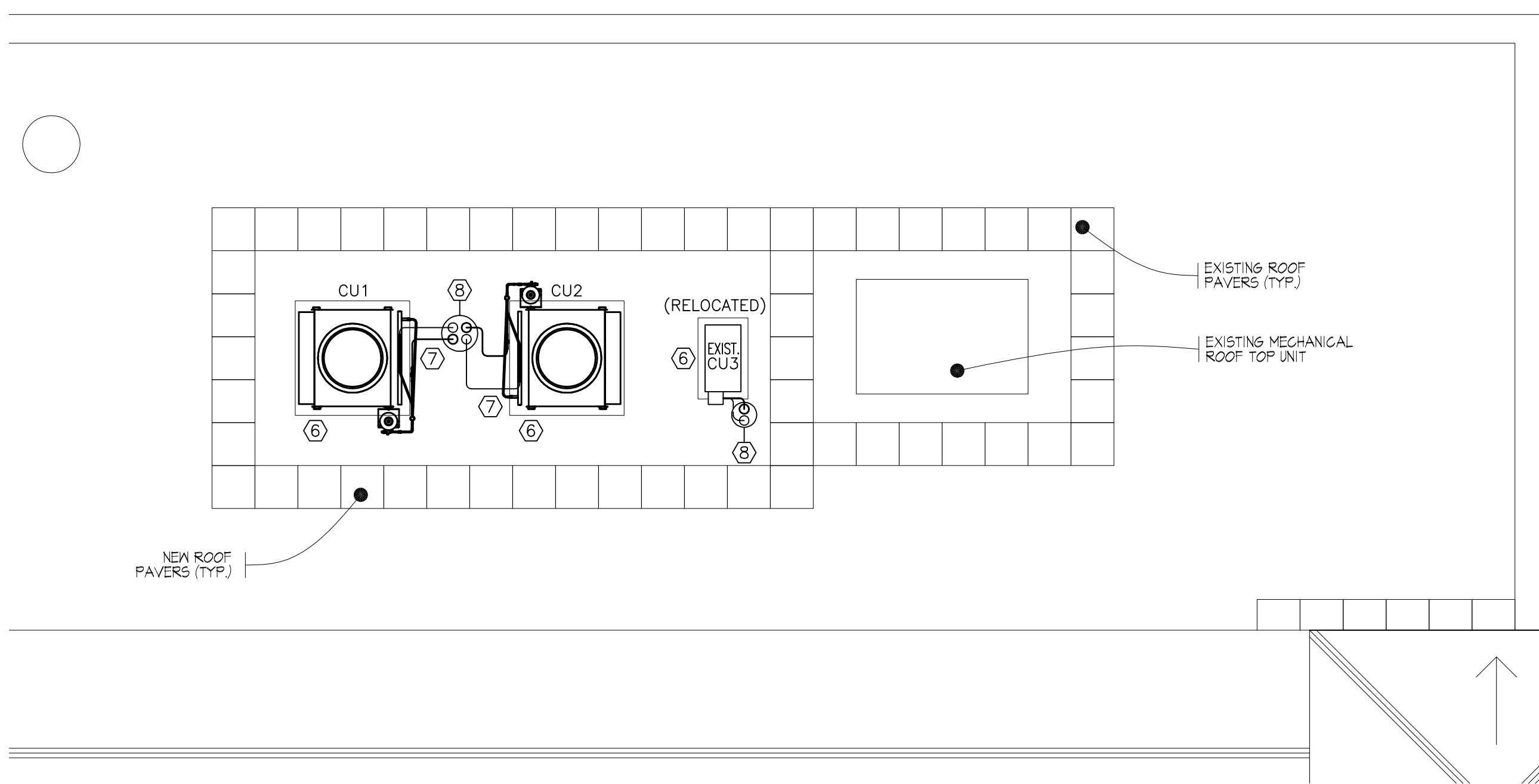
M1



1 MECHANICAL DEMOLITION PLAN
M1 SCALE: 1/4" = 1'-0"



2 MECHANICAL NEW PLAN
M1 SCALE: 1/4" = 1'-0"



3 NEW MECHANICAL ROOF PLAN
M1 SCALE: 1/4" = 1'-0"

RACK COOLER UNIT SCHEDULE

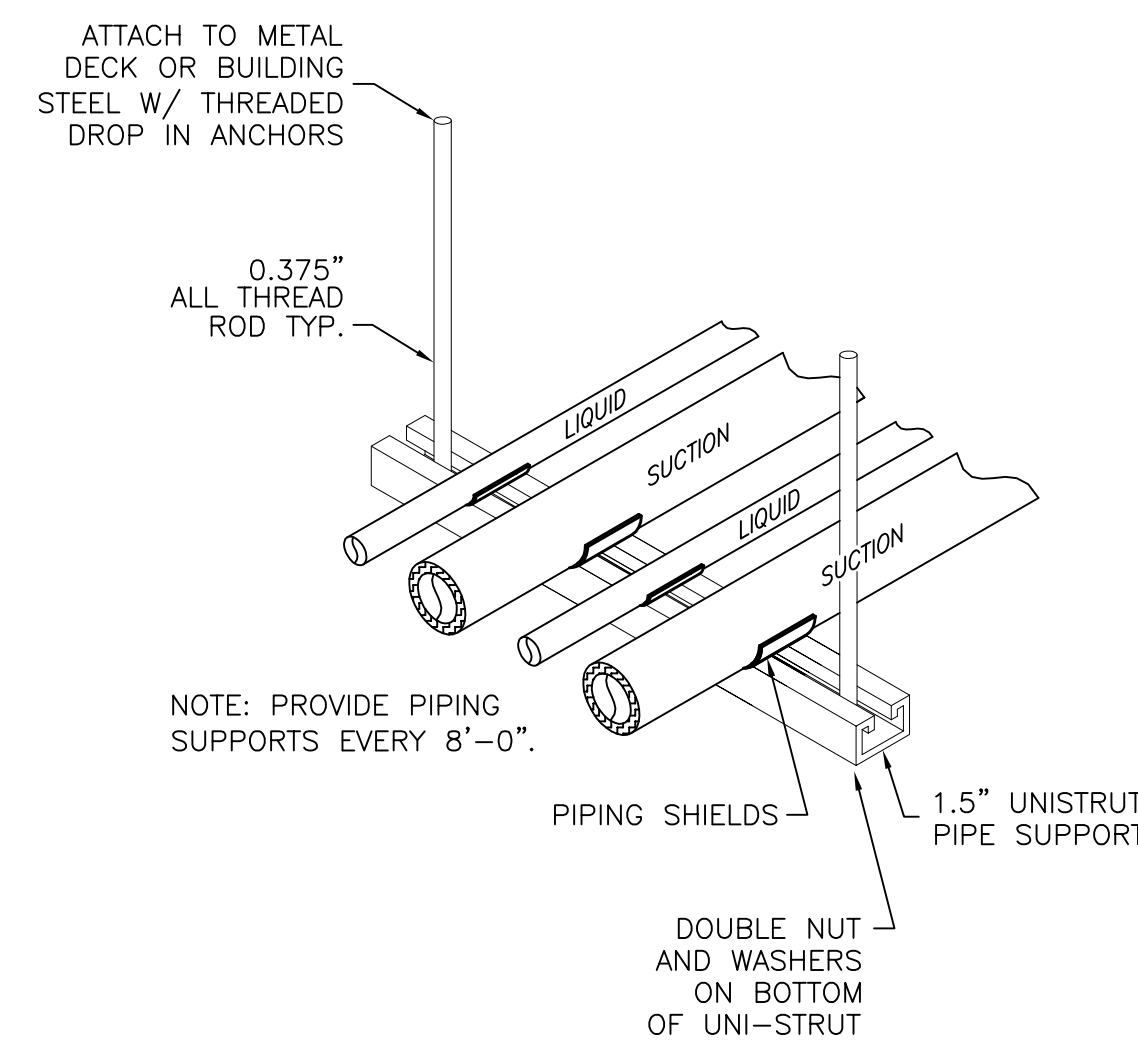
ITEM	DESCRIPTION	DWG	MANUFACTURER	MODEL	SUCTION LINE	LIQUID LINE	ELECTRICAL			WGT LBS	COMMENTS
							V/ø/Hz	MCA	MOCP		
RC1	INDOOR RACK COOLER	M1	SCHNEIDER ELECTRIC	ACRD100	0.5	0.5	208/1/60	25	40	488	SEE CONDENSING UNIT SCHEDULE FOR COOLING PERFORMANCE
RC2	INDOOR RACK COOLER	M1	SCHNEIDER ELECTRIC	ACRD100	0.5	0.5	208/1/60	25	40	488	SEE CONDENSING UNIT SCHEDULE FOR COOLING PERFORMANCE

UNITS PROVIDED BY OWNER FOR INSTALLATION BY M.C.

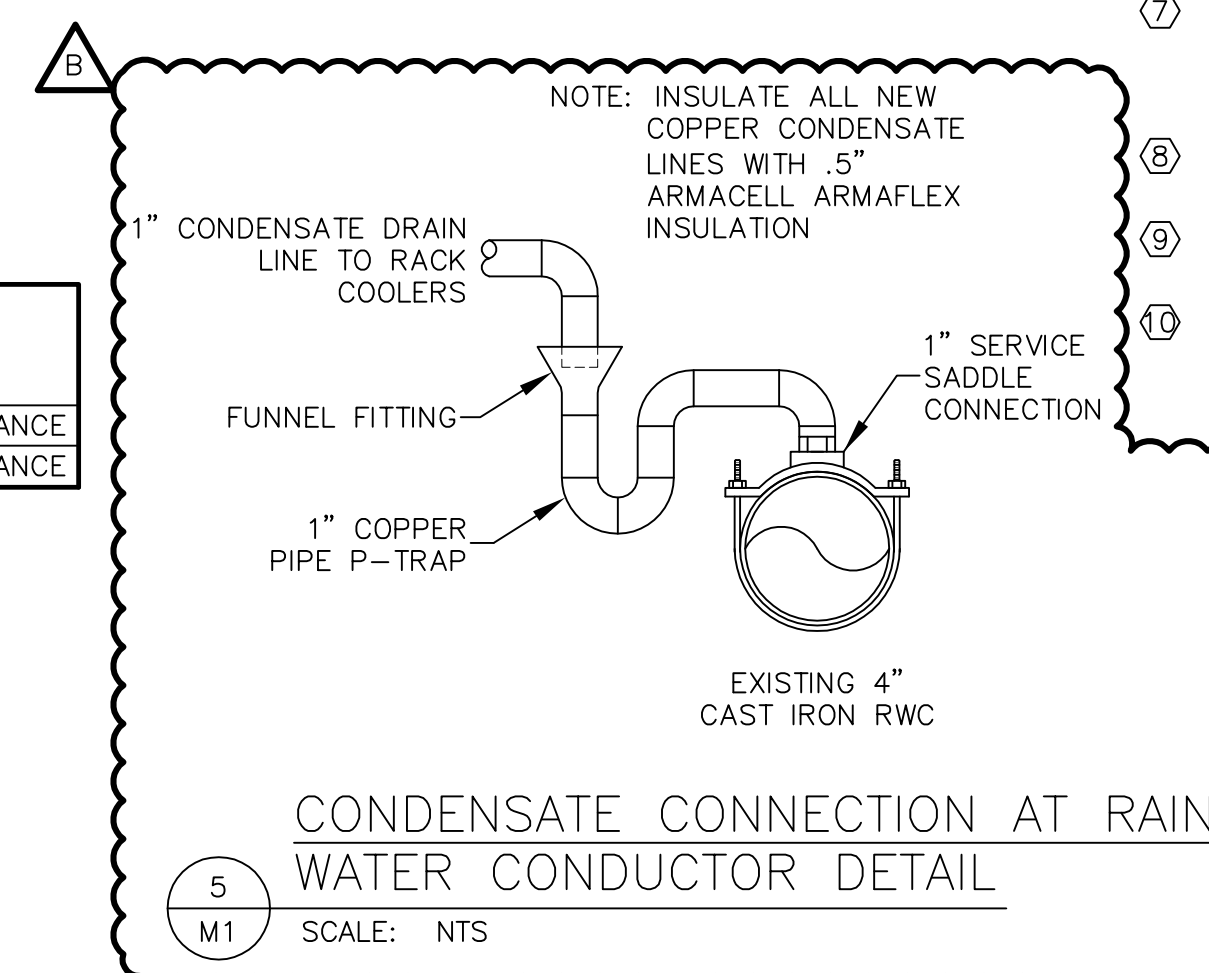
AC CONDENSING UNIT SCHEDULE

ITEM	DESCRIPTION	DWG	MANUFACTURER	MODEL	COOLING 95°F & 104°F OA				ELECTRICAL			WGT LBS	COMMENTS
					SUCTION LINE	LIQUID LINE	CONDENSER AIR CFM	MBH TOT	V/ø/Hz	FLA	MOCP		
CU1	AIR COOLED CONDENSING UNIT	M1	SCHNEIDER ELECTRIC	ACCD75214	1.125	0.875	5050	2.4	208/1/60	4.8	15	180	
CU2	AIR COOLED CONDENSING UNIT	M1	SCHNEIDER ELECTRIC	ACCD75214	1.125	0.875	5050	2.4	208/1/60	4.8	15	180	

UNITS PROVIDED BY OWNER FOR INSTALLATION BY M.C.



4 REFRIGERANT PIPING SUPPORT DETAIL
M1 SCALE: NTS



5 CONDENSATE CONNECTION AT RAIN WATER CONDUCTOR DETAIL
M1 SCALE: NTS

SHEET NOTES

- REFER TO MANUFACTURERS INSTALLATION MANUALS FOR PIPING SCHEMATICS AND SPECIALTIES REQUIRED FOR INSTALLATION OF UNIT.
- EXISTING 4-TON ROOFTOP UNIT PRESENTLY SERVING SPACE WILL REMAIN AND BE REUSED IN NEW SCOPE OF WORK.

KEY NOTES

- DEMOLISH EXISTING UNIT, PIPING, ELECTRICAL AND CONTROLS. EXISTING WALL PENETRATION IS TO BE REUSED FOR NEW CONDENSATE PIPING FROM RACK COOLERS.
- RELOCATE EXISTING CONDENSING UNIT TO ROOF IN LOCATION SHOWN ON DETAIL 3 OF THIS SHEET. EXISTING CONDENSATE PIPING IS TO REMAIN.
- NEW CONDENSATE LINE TO DISCHARGE INTO AN INDIRECT FUNNEL DRAIN WITH 1" AIR GAP. FULLY INSULATE ALL NEW DRAIN PIPING WITH .5" ARMACELL ARMAFLEX INSULATION. REPAIR ANY DISTURBED FIBERGLASS INSULATION AT RAIN WATER CONDUCTOR THAT WAS DISTURBED DURING PIPING CONNECTION. SEE DETAIL 5 OF THIS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE FACTORY RECOMMENDED PIPING SPECIALTIES ON CONDENSATE PIPING LEAVING UNITS. CHECK VALVES SHALL BE INSTALLED IN VERTICAL PORTION OF PIPING.
- PROVIDE NEW UNI-STRUT HANGERS AND THREADED RODS TO ANCHOR TO METAL DECK OR BUILDING STEEL TO SUPPORT NEW REFRIGERANT PIPING. PROVIDE SHIELDS AT AREA WHERE PIPING INSULATION CONTACTS UNI-STRUT SUPPORT. ANY EXISTING HANGERS AND UNI-STRUT MAY BE UTILIZED WHEREVER POSSIBLE.
- PROVIDE OLD CASTLE DURAGRID PADS FOR OUTDOOR CONDENSING UNITS. UNITS ARE TO BE ATTACHED AND SEALED TO EXISTING ROOF AS DIRECTED BY THE ARCHITECTURAL DRAWINGS.
- ALL REQUIRED REFRIGERANT SPECIALTIES ARE TO BE FURNISHED BY THE MANUFACTURER. IF MANUFACTURER CANNOT PROVIDE SPECIALTIES, CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE THEM.
- REFRIGERANT LINES THRU ROOF IN THIS AREA. SEE PIPE PORTAL DETAIL ON ARCHITECTURAL DRAWING A2.
- PROVIDE NEW COPPER REFRIGERANT LINES AND PIPING INSULATION AS DIRECTED BY MITSUBISHI FOR NEW SPLIT SYSTEM UNIT.
- EXISTING CONDENSATE PIPING IS TO REMAIN. ALL OTHER WALL PENETRATIONS IN THIS AREA ARE TO BE PATCHED AS DIRECTED BY THE ARCHITECT.