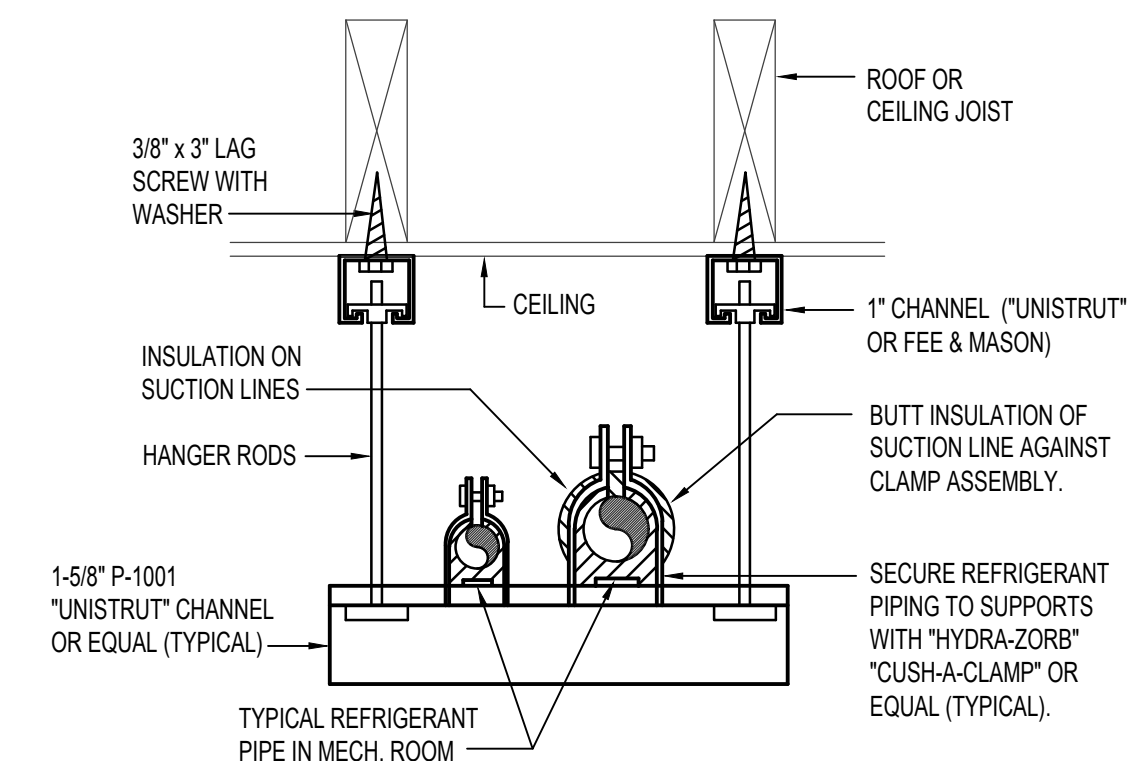
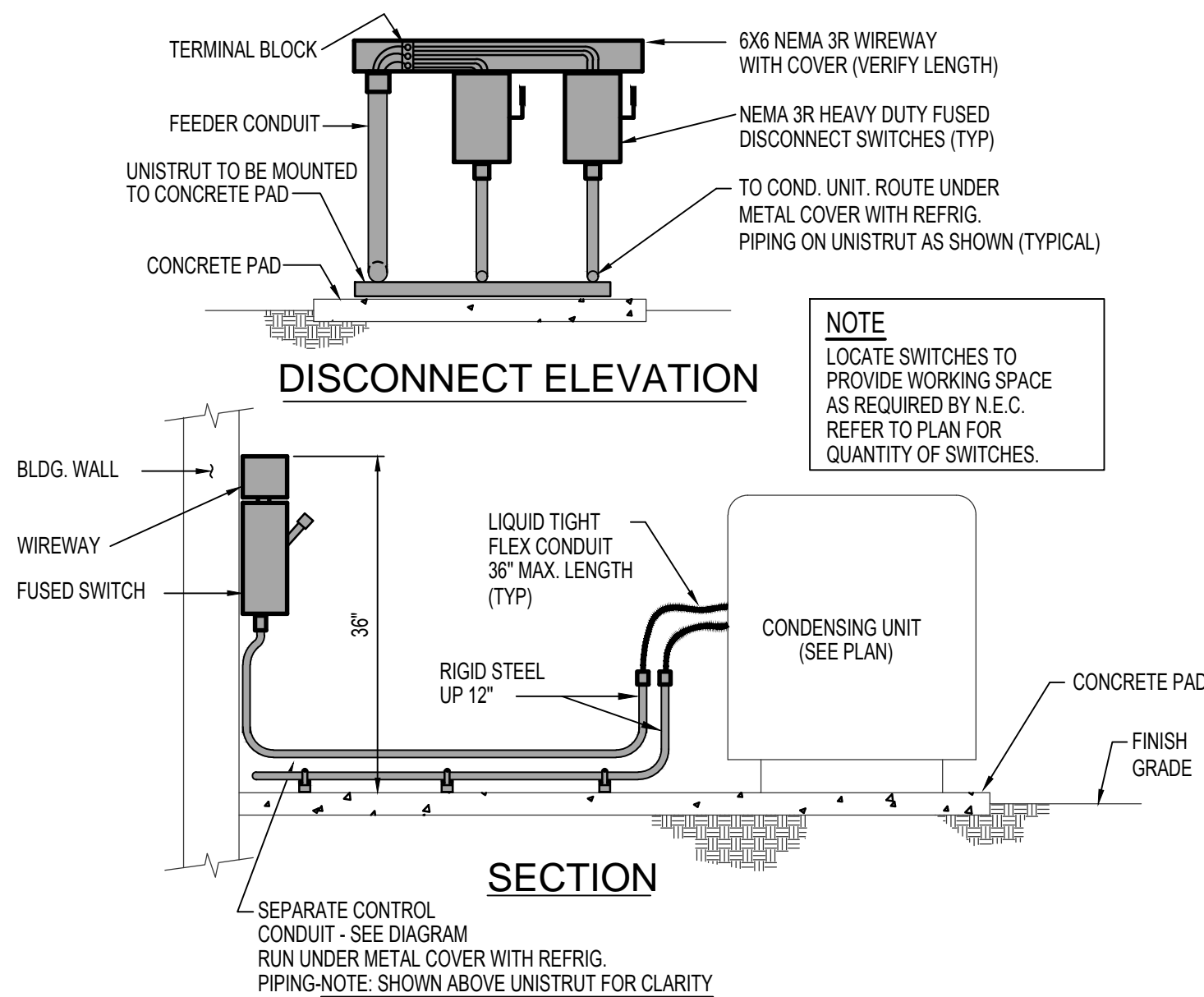


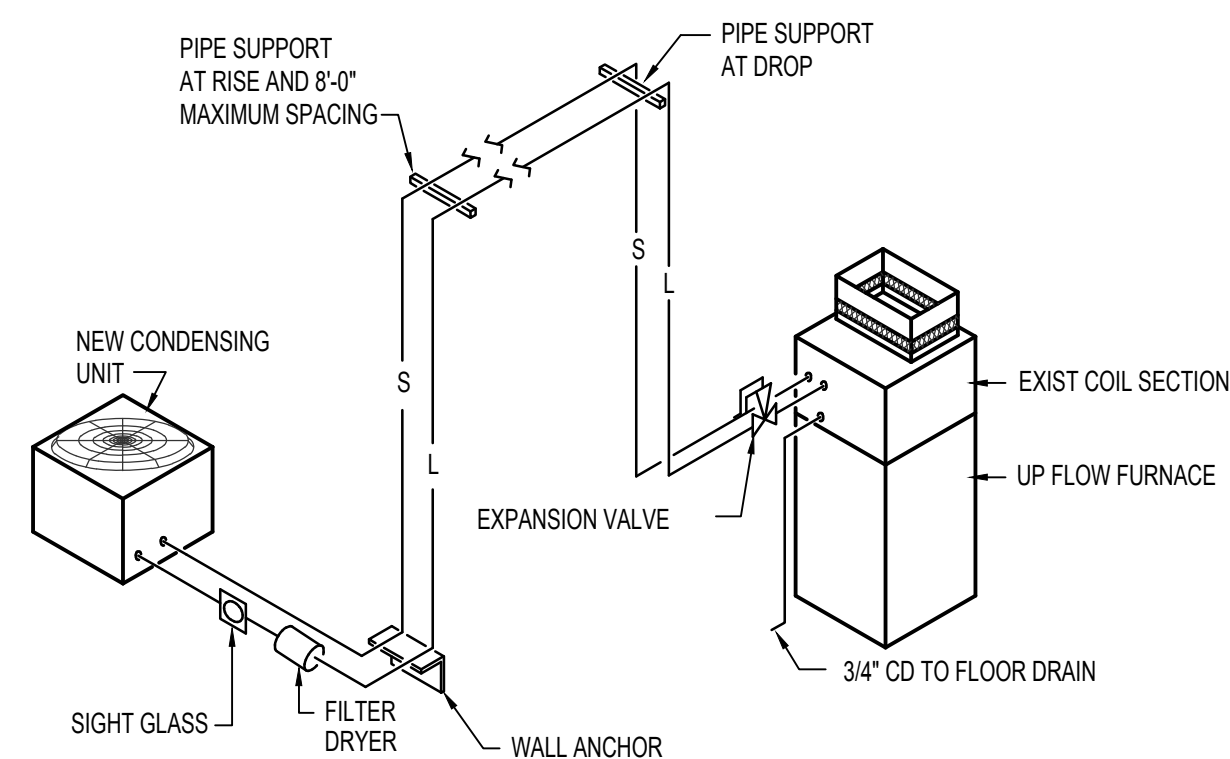
REFRIGERANT PIPE SUPPORT DETAIL
NO SCALE



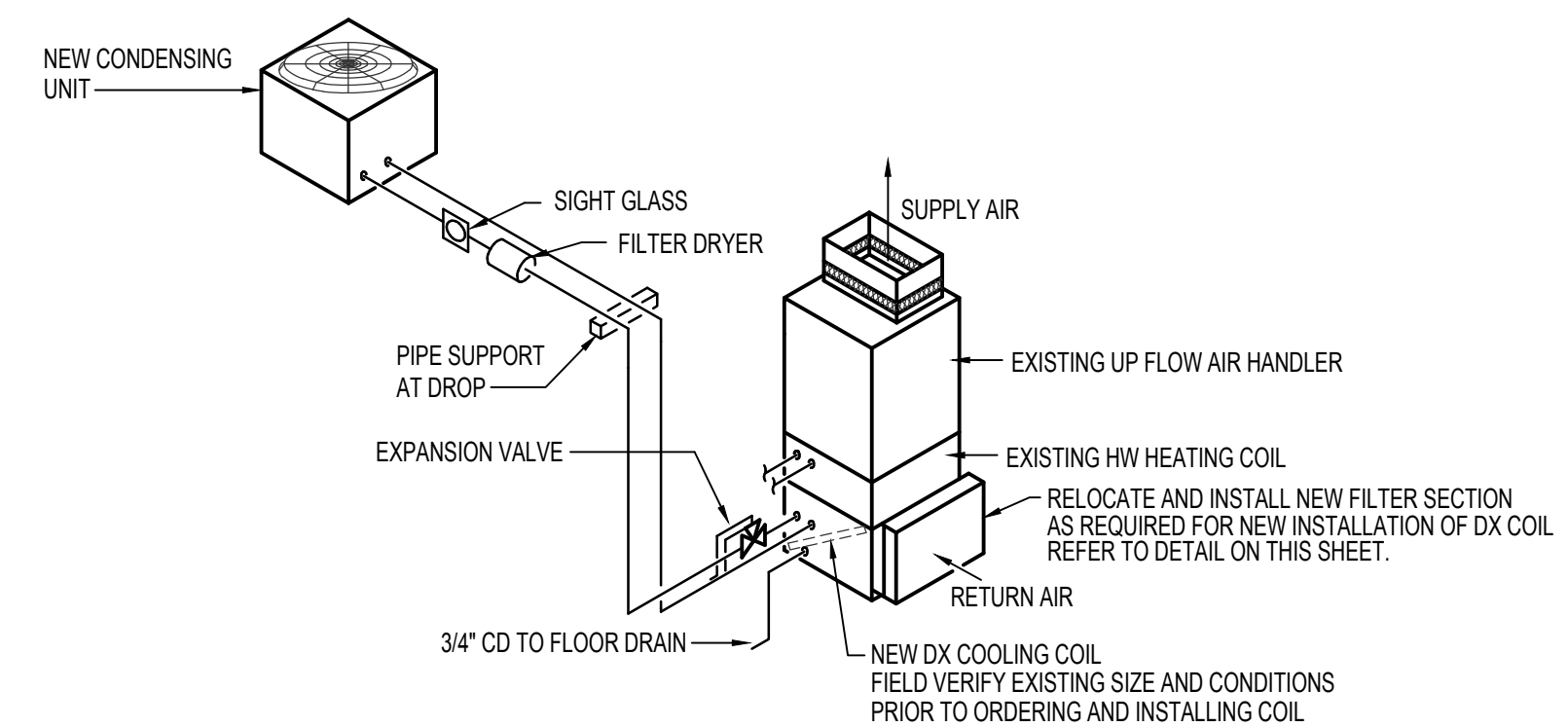
SUSPENDED PIPE SUPPORT
NO SCALE



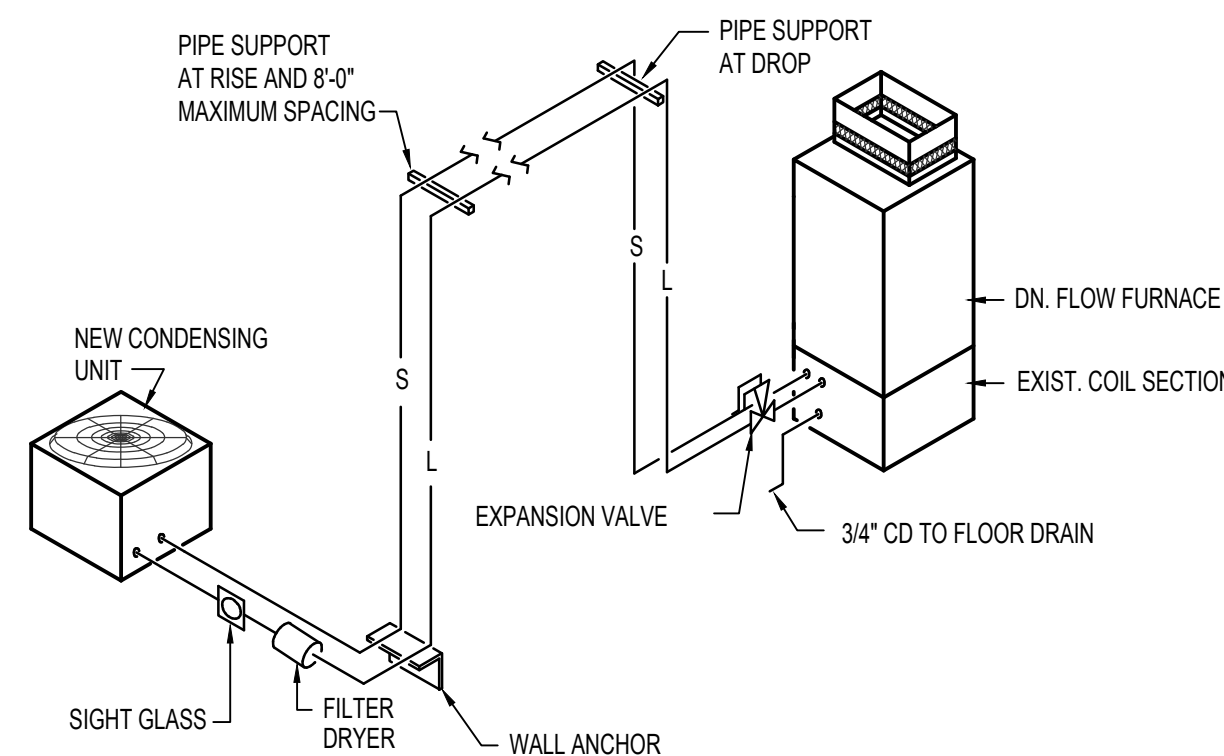
CONDENSING UNIT - CONDUIT DIAGRAM
NO SCALE



REFRIGERANT PIPING DIAGRAM
NO SCALE (DETAIL APPLIES TO CU-1 & CU-2)



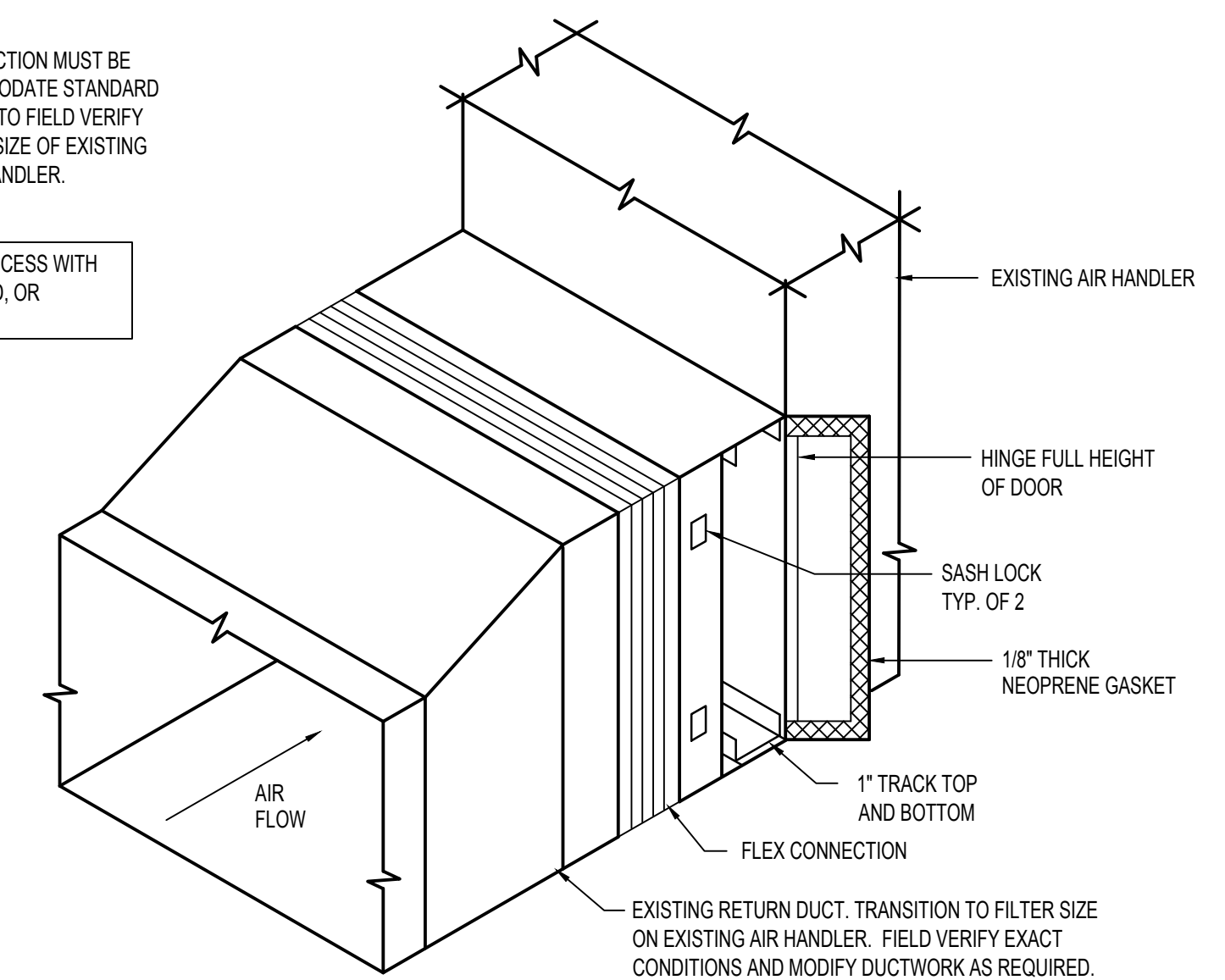
REFRIGERANT PIPING DIAGRAM
NO SCALE (DETAIL APPLIES TO CU-7, 8 & 9)



REFRIGERANT PIPING DIAGRAM
NO SCALE (DETAIL APPLIES TO CU-3 & CU-6)

NOTE: EXTERNAL FILTER SECTION MUST BE CONSTRUCTED TO ACCOMMODATE STANDARD FILTER SIZE. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND SIZE OF EXISTING FILTER FOR EXISTING AIR HANDLER.

DO NOT BLOCK FILTER ACCESS WITH CONDUIT, THREADED ROD, OR CONDENSATE DRAINS.



EXTERNAL FILTER SECTION DETAIL
NO SCALE

SYM.	BTU	EAT	CHAR.	MCA	MOCP	SEER	REFR.	PIPE SIZING		REMARKS
								LIQUID	SUCTION	
CU 1	60,000	90°F	208/60/1	34.6	60.0	13.0	R-410A	5/8"	1-1/8"	5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
CU 2	60,000	90°F	208/60/1	34.6	60.0	13.0	R-410A	5/8"	1-1/8"	5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
CU 3	30,000	90°F	208/60/1	18.7	30.0	13.0	R-410A	1/2"	7/8"	2.5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
CU 4	30,000	90°F	208/60/1	18.7	30.0	13.0	R-410A	1/2"	7/8"	2.5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
CU 5	30,000	90°F	208/60/1	18.7	30.0	13.0	R-410A	1/2"	7/8"	2.5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
CU 6	30,000	90°F	208/60/1	18.7	30.0	13.0	R-410A	1/2"	7/8"	2.5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
CU 7	30,000	90°F	208/60/1	18.7	30.0	13.0	R-410A	1/2"	7/8"	2.5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
CU 8	60,000	90°F	208/60/1	34.6	60.0	13.0	R-410A	5/8"	1-1/8"	5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.
CU 9	60,000	90°F	208/60/1	34.6	60.0	13.0	R-410A	5/8"	1-1/8"	5 TON CONDENSING UNIT WITH 0°F LOW AMBIENT HARD START KIT.

1 SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.

MARK	MIN. REQ'D CAP.		COND. ENT. EVAP.		C.F.M.	MAX. PR. DR. IN. W.G.	PIPE SIZES			REMARKS
	TOT. MBH	SEN. MBH	DB °F	DB °F			LIQUID	SUCTION	C. D.	
CC 7	30.0	27.0	80	67	1000	0.28	1/2"	7/8"	3/4"	MIN. 2.5 TON COIL
CC 8	60.0	52.0	80	67	1800	0.28	5/8"	1 1/8"	3/4"	MIN. 5.0 TON COIL
CC 9	60.0	52.0	80	67	1800	0.28	5/8"	1 1/8"	3/4"	MIN. 5.0 TON COIL

1 SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.



Engineered Systems Associates
Mechanical Engineers

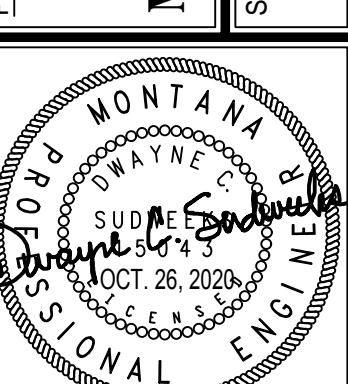
Dwayne Sudweeks
1355 East Center - Pocatello, Idaho 83201
Phone: (208) 233-0501 Fax: (208) 233-0529 email: esa@engsystems.com

NEW HVAC UPGRADE FOR: PROPERTY # 502-7500

LDS ST. IGNATIUS WARD
MISSOULA MONTANA STAKE,
ST. IGNATIUS MONTANA

MECHANICAL DETAILS

PROJECT:



DRWN. BY: SR
CKD. BY: DCS
JOB NO: 20069
DATE: OCT. 2020

SHEET:
ME-2
OF: TWO