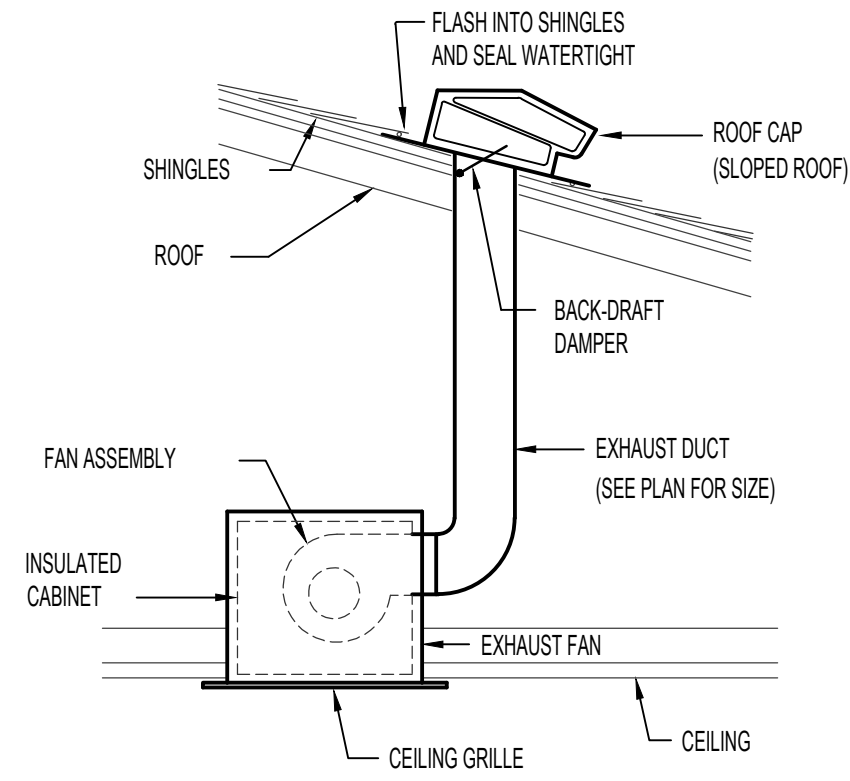
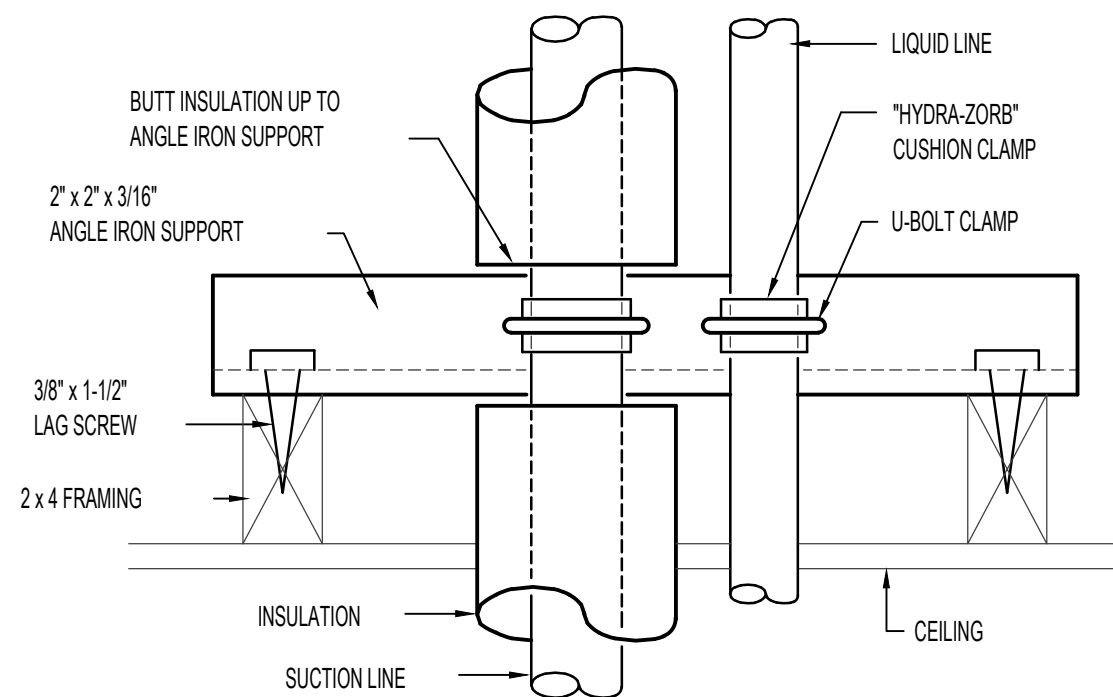


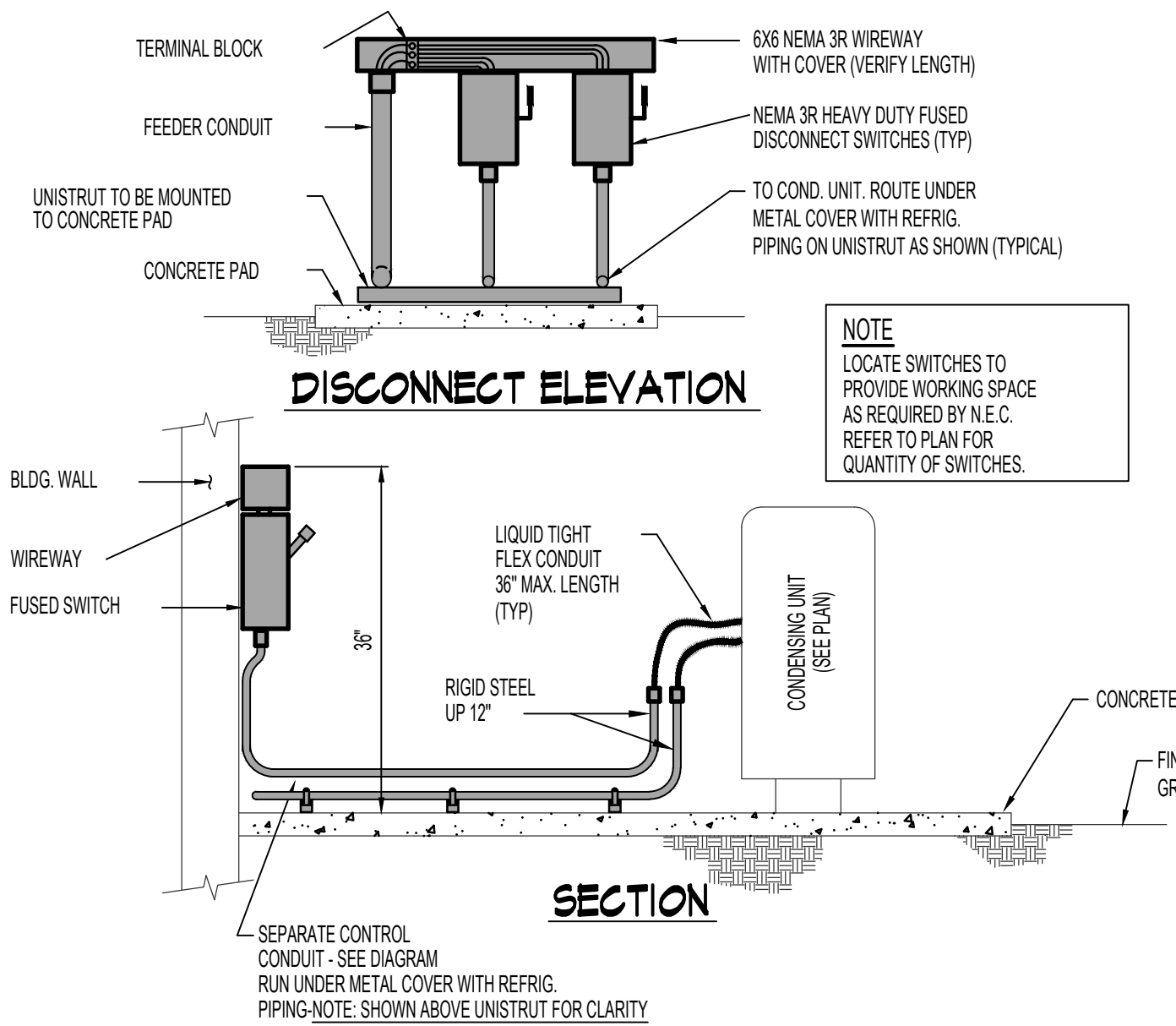
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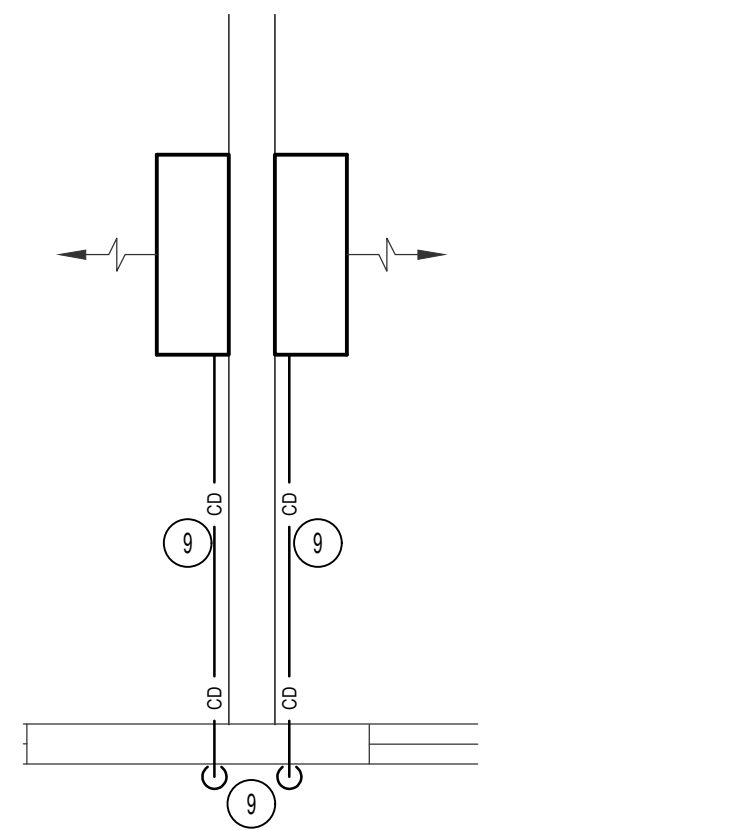
CEILING EXHAUST FAN DETAIL
NO SCALE



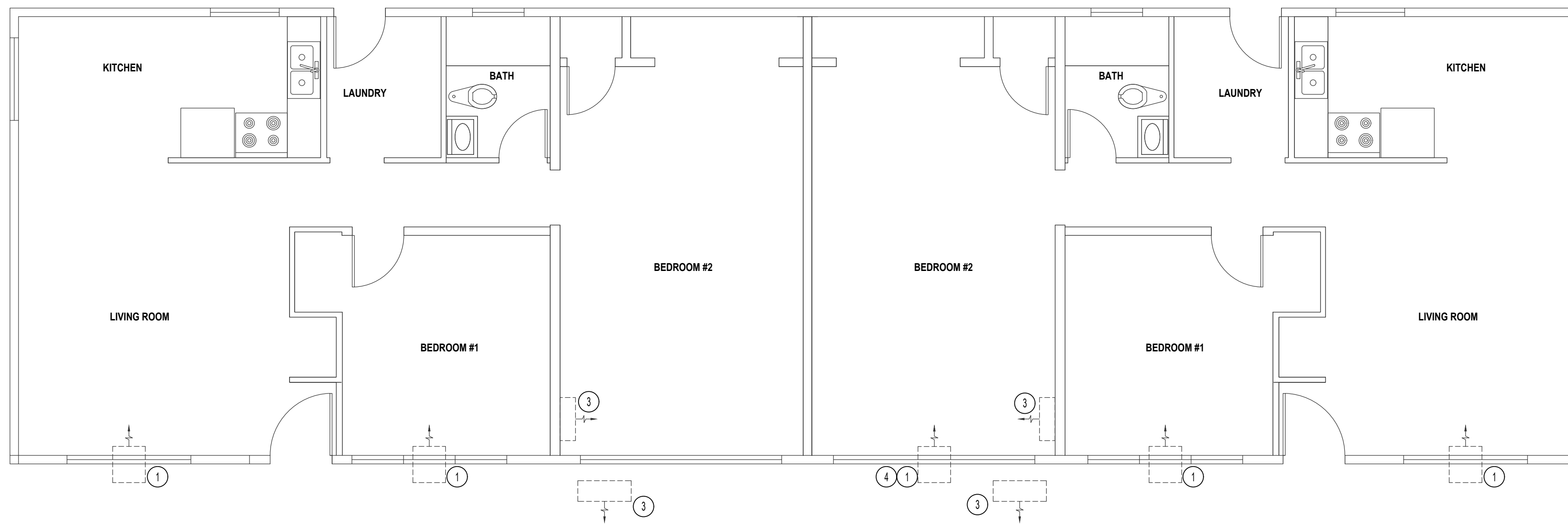
REFRIG. PIPING SUPPORT AT CEILING
NO SCALE



CONDENSING UNIT - CONDUIT DIAGRAM
NO SCALE (ABOVE SLAB)

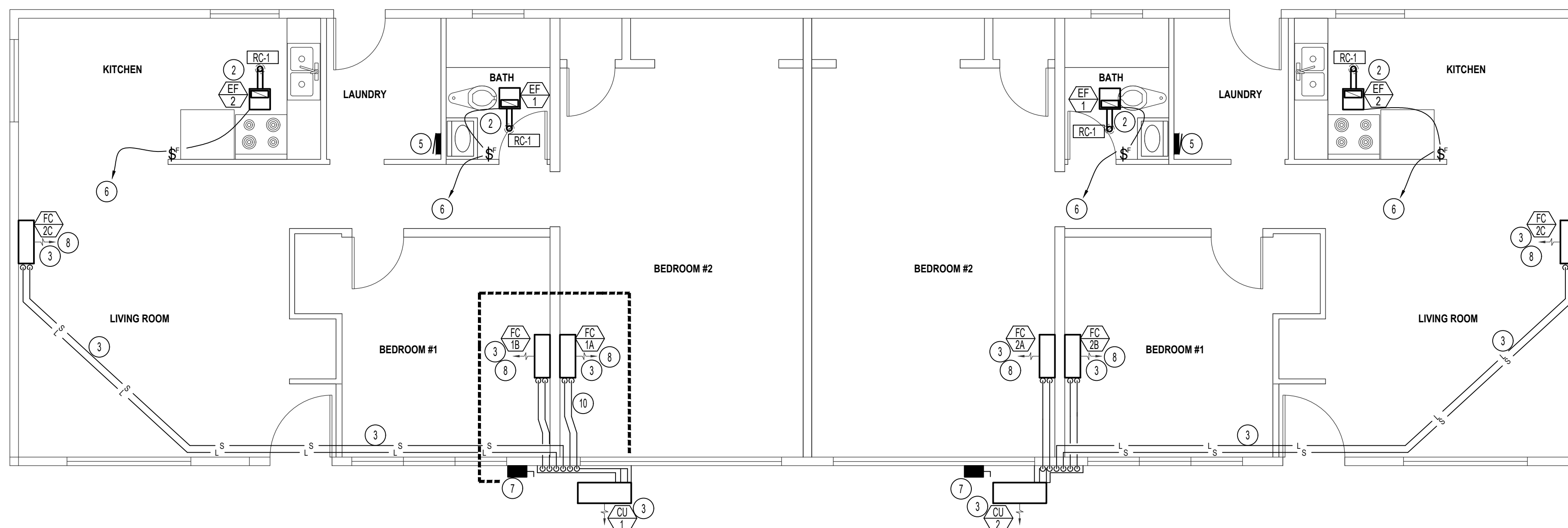


ENLARGED FLOOR PLAN
SCALE: 1/2" = 1'-0"



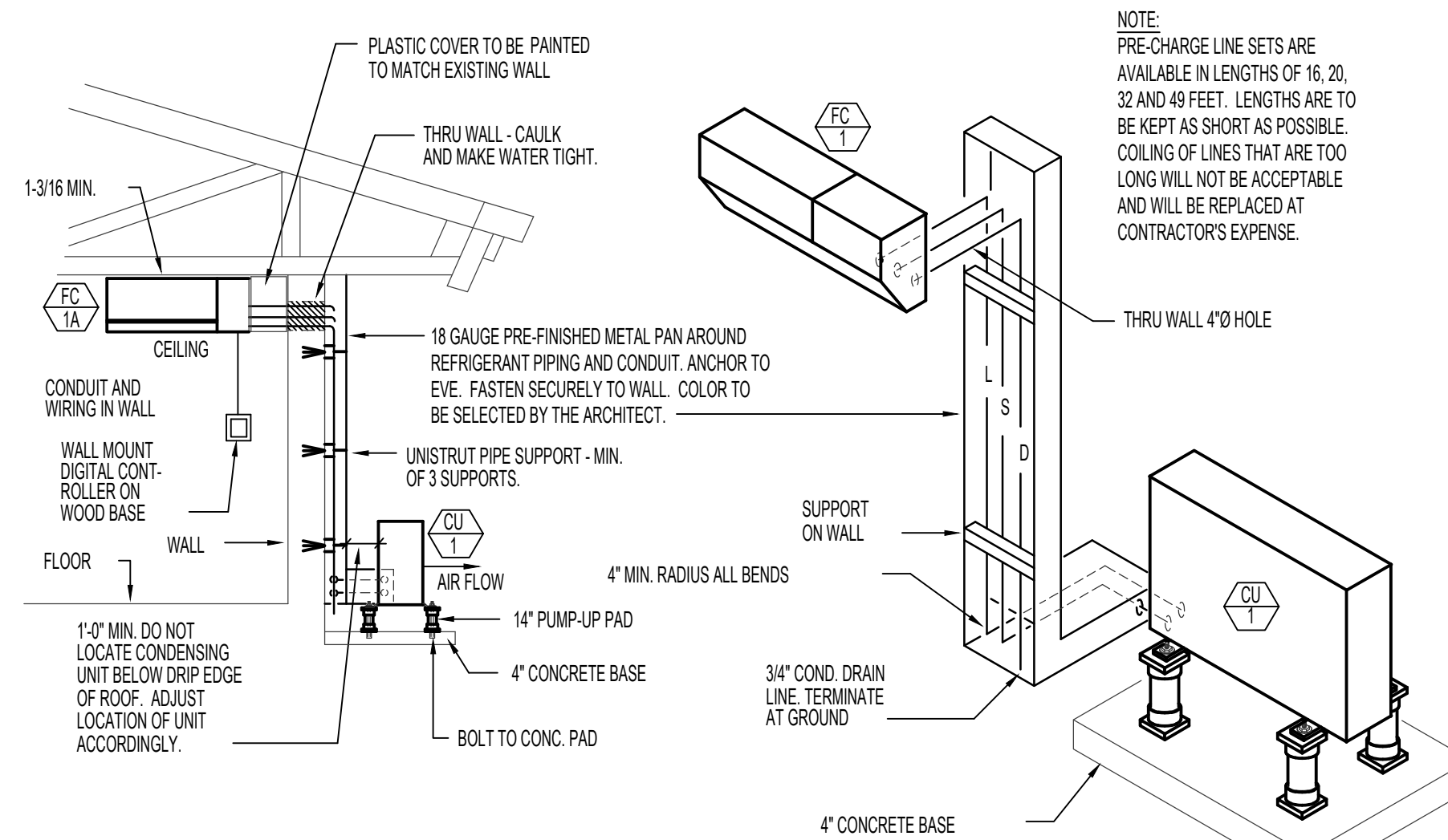
MECHANICAL DEMO PLAN

SCALE: 1/4" = 1'-0"
BUILDING "A" SHOWN
BUILDING "B" SIMILAR



MECHANICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"
BUILDING "A" SHOWN
BUILDING "B" SIMILAR



FAN COIL & REFRIGERANT PIPING DETAIL
NO SCALE

FAN COIL SCHEDULE							
SYM.	CFM	EER	CHAR.	FAN WATTS	MCA	WEIGHT	REMARKS
FC 1A THRU FC 1C	237	13	24060/1	30	7	22#	MITSUBISHI M-SERIES MSZ-GL12NA WITH SEACOAST COATING
FC 2A THRU FC 2C	237	13	24060/1	30	7	22#	MITSUBISHI M-SERIES MSZ-GL12NA WITH SEACOAST COATING

CONDENSING UNIT SCHEDULE									
SYM.	BTU	EAT	CHAR.	MCA	MOCP	WEIGHT	REFRIGERANT PIPING		REMARKS
							LIQUID	SUCTION	
CU 1	36,000	95°F	240-10	22.1	25	140#	1/4"	3/8"	MITSUBISHI ELECTRIC M-SERIES MODEL MXZ-4C36N2 WITH OPTIONAL SEACOAST COATING. SEER 19.2
CU 2	36,000	95°F	240-10	22.1	25	140#	1/4"	3/8"	MITSUBISHI ELECTRIC M-SERIES MODEL MXZ-4C36N2 WITH OPTIONAL SEACOAST COATING. SEER 19.2

PLAN NOTES:

- REMOVE AND DISPOSE OF EXISTING WINDOW TYPE A/C UNITS.
- PROVIDE AND INSTALL NEW EXHAUST FAN IN THIS LOCATION. SEE THIS SHEET FOR TYPICAL INSTALL DETAILS.
- INSTALL NEW MINI SPLIT IN LOCATION AS SHOWN. RUN REFRIGERATION LINES UP OUTSIDE WALL TO ATTIC SPACE AND COVER AS PER DETAILS. RUN THRU ATTIC TO NEW INDOOR UNITS. SEE REFRIGERATION COVER ON THIS SHEET. RE-USE EXISTING REFRIGERANT LINES AS NEEDED. FIELD VERIFY BEST POSSIBLE ROUTES AND LOCATIONS FOR NEW EQUIPMENT. REPLACE VIBRATION PADS FOR NEW CONDENSING UNIT.
- EXISTING WINDOW UNIT RATHER THAN SPLIT SYSTEM FOR OTHER SIMILAR BUILDING.
- EXISTING ELECTRICAL PANEL TO REMAIN. REPLACE EXISTING 20A 2P BREAKER WITH NEW 30A 2P BREAKER.
- INSTALL NEW SWITCH ON WALL AND CONNECT TO UN-SWITCHED POWER CIRCUIT TO CONTROL NEW EXHAUST FAN.
- REPLACE EXISTING DISCONNECT WITH NEW NEMA 3R 30A 2P FUSED DISCONNECT. FUSE AT 25 A. RUN 10/3 ROMEX TO PANEL FOR NEW A/C UNIT.
- INDOOR UNITS RECEIVE POWER FROM CONDENSING UNITS DISCONNECT. RUN WIRE AS PER MANUFACTURER'S RECOMMENDATION.
- RUN 3/4" CONDENSATE DRAIN LINE OUT TO NEAREST WALL AND DROP THE LINE TO APPROXIMATELY 1" FROM SLAB. SEAL PENETRATION WEATHER TIGHT. INSTALL BEHIND REFRIGERATION COVER OR COVER WITH NEW. SIMILAR INSTALL FOR OTHER UNITS.

GENERAL NOTES:

- A. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C. IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D. CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E. DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

Drayne C. Sudweeks 4/30/2022
SIGNATURE EXPIRATION DATE OF THE LICENSE

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LICENSED PROFESSIONAL ENGINEER
NO. 12930-M
HAWAII, U.S.A.
MAY 21, 2021

HARRIS
Architecture & Design
151 West Branch Street, Suite E, Arroyo Grande, CA 93420 (805) 574-1550

PROJECT TITLE
**CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS
LAIE MISSION HOUSE RENOVATION**
55-64-1 Lanihuli Place, Laie, Kaulaioa, Oahu, HI

DRAWN BY: TCD
MAY 21, 2021
CHECKED: DCS
PROJECT NO: 21007

M1