INTERIOR REMODELING & ALTERATION LEVEL 2
FLORIDA BUILDING CODE 2023 8th EDITION

LEGEND

E	DENOTE EXISTING TO REMAIN
E/R	DENOTE EXISTING TO BE RELOCATED OR REMODELING
P	PROPOSED A NEW ONE
R/A	RETURN AIR
EF	EXHAUST FAN
[dashed]	PROP. NEW R/A PLENUM

NOTES:

1.- THE AIR CONDITIONING SYSTEM IS EXISTING AND REMAIN THE SAME BUT INCLUDED SOME GRILLES AND OR DUCTS MODIFICATIONS AS PER PLAN.
2.- THE MAIN DUCTS AND AIR FLOW ARE EXISTING AND REMAIN THE SAME BUT INCLUDED SOME RELOCATIONS AS PER PLAN.
3.- THE RETURNS AIR GRILLE/DUCTS ARE EXISTING AND REMAIN THE SAME BUT INCLUDED SOME RELOCATIONS AS PER PLAN.
4.- THE EXHAUST FANS FOR BATHROOMS AND POWDER ARE EXISTING AND REMAIN THE SAME.
5.- THE EXHAUST FOR DRYER ARE EXISTING AND REMAIN THE SAME, AS PER PLAN.

HVAC DESIGN REQUIRES:	YES	NO
DUCT SMOKE DETECTOR		✓
FIRE DAMPER(S)		✓
SMOKE DAMPER(S)		✓
FIRE RATED ENCLOSURE		✓
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		✓
FIRE STOPPING		✓
SMOKE CONTROL		✓

NOTES:

-AT THESE REMODELING/RENOVATION WORK, THE WORKING DRAWINGS ARE CONSIDERED AS A GUIDE AND HAVE TO BE VERIFY AT FIELD, AS PER EXISTING CONDITIONS.

-IF ANY DISCREPANCIES OCCUR BETWEEN EXISTING CONDITIONS, CONSTRUCTION DRAWINGS AND/OR DESIGN CONSULTANT DRAWINGS, THE CONTRACTOR NOTIFY TO ARCHITECT AND DESIGN CONSULTANT FOR DIRECTION PRIOR TO COMMENCING ANY WORK.

SCOPE OF WORK — MECHANICAL

INTERIOR REMODELING & ALTERATION LEVEL 2
FLORIDA BUILDING CODE 2023 8th. EDITION

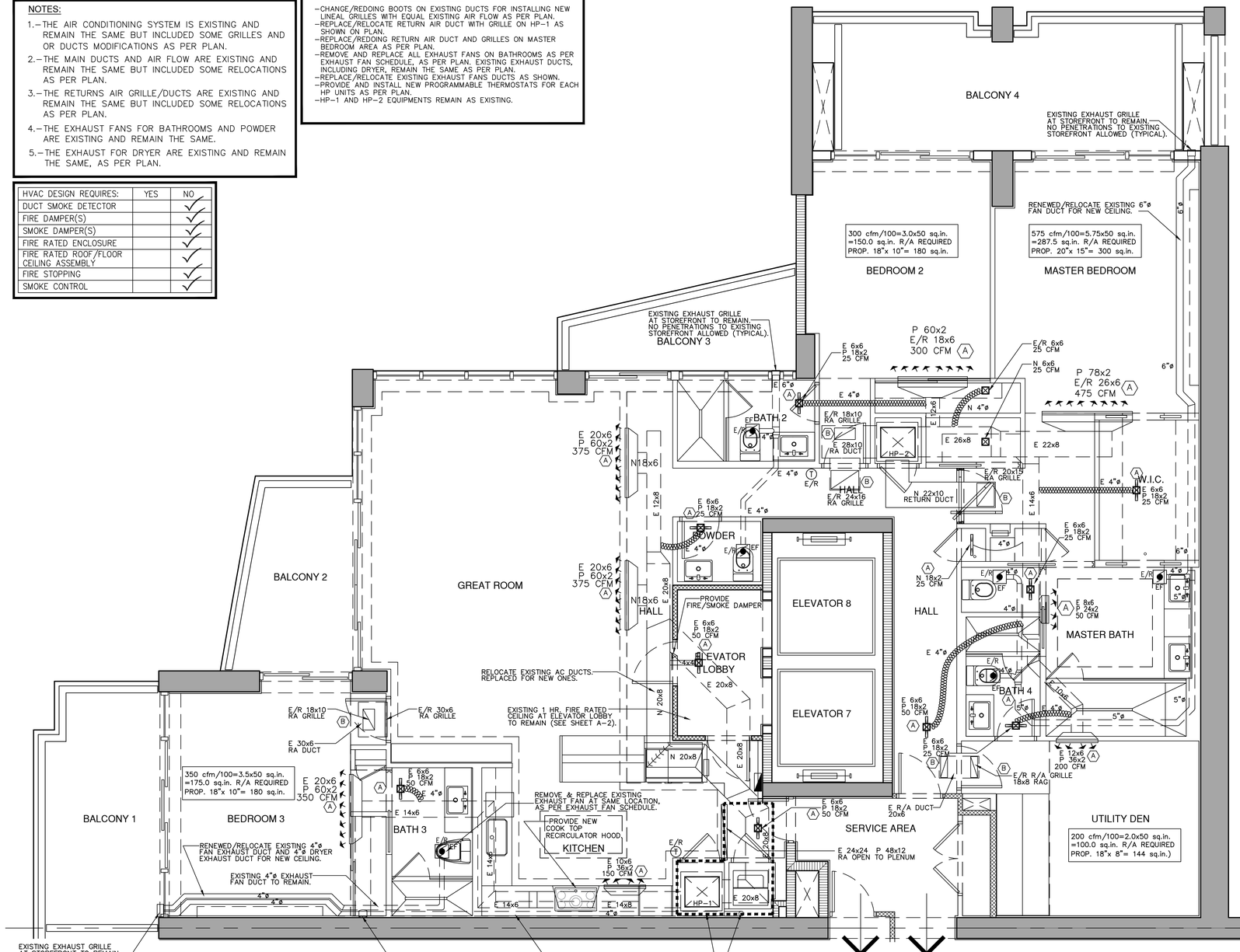
GENERAL SCOPE OF WORK:

-CHANGE/REDOING BOOTS ON EXISTING DUCTS FOR INSTALLING NEW LINEAL GRILLES WITH EQUAL EXISTING AIR FLOW AS PER PLAN.
-REPLACE/RELOCATE RETURN AIR DUCT WITH GRILLE ON HP-1 AS SHOWN ON PLAN.
-REPLACE/REDOING RETURN AIR DUCT AND GRILLES ON MASTER BEDROOM AREA AS PER PLAN.
-REMOVE AND REPLACE ALL EXHAUST FANS ON BATHROOMS AS PER EXHAUST FAN SCHEDULE, AS PER PLAN. EXISTING EXHAUST DUCTS, INCLUDING DRYER, REMAIN THE SAME AS PER PLAN.
-REPLACE/RELOCATE EXISTING EXHAUST FANS DUCTS AS SHOWN.
-PROVIDE AND INSTALL NEW PROGRAMMABLE THERMOSTATS FOR EACH HP UNITS AS PER PLAN.
-HP-1 AND HP-2 EQUIPMENTS REMAIN AS EXISTING.

AIR DISTRIBUTION SCHEDULE

MARK	USE	TYPE	ACCESORIES	NECK SIZE CFM RANGE	MANUFACTURER MODEL NUMBER
(A)	SUPPLY	(2)1" SLOT LINEAR SLOT DIFFUSER OR (1)2" SLOT LINEAR SLOT DIFFUSER	O. B. D. PROVIDED INSULATED BOOT PLENUM.	SEE DRAWINGS	T&B Tuttle & Bailey
(B)	RETURN	CONVENTIONAL DIFFUSER	INSULATED PLENUM.	SEE DRAWINGS	CONVENTIONAL GRILLE

NOTES:
1.- CONTRACTOR SHALL COORDINATE AIR DISTRIBUTION DEVICES TYPE & LOCATION WITH CEILING TYPES & ARRANGEMENT PRIOR TO ORDERING AND INSTALLATION OF DEVICES.
2.- BASIS OF DESIGN IS T&B OR APPROVED EQUALS: TITUS, PRICE OR KRUGER.



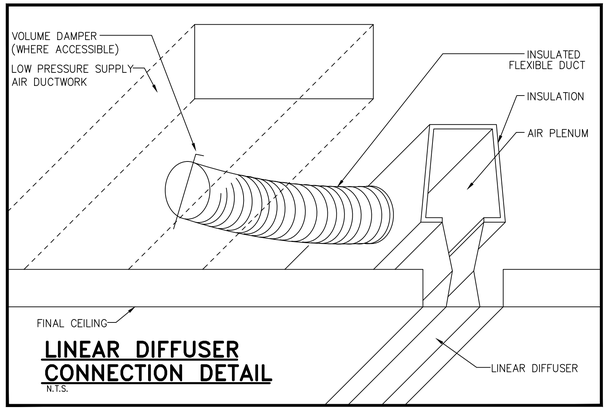
CONDO/UNIT 2201 MECHANICAL PLAN

SCALE: 1/4"= 1'-0"

EXHAUST FAN SCHEDULE:

FAN #	MANUFACTURER AND MODEL NO.	SONES	HP / AMPS	CFM @ S.P.	ELECT. SERV. VOLTS/PH/Hz	DIMENSIONS WxL (IN.)	REMARKS
EF#1	NUTONE LS-50	0.7	0.15	50 @ 0.1"	120/1/60	14 1/4x12 1/16	EXHAUST DUCTS AND GRILLES AT EXTERIOR ARE EXISTING AND REMAIN THE SAME.

NOTE: OR EQUIVALENT EQUIPMENT



LINEAR DIFFUSER CONNECTION DETAIL

N.T.S.

EXISTING AIR-CONDITIONING HP-1
CLIMATEMASTER Model TCV042AGCX0CTTB

4.0 TON. HEAT PUMP SYSTEM
208-230/1/60
INDOOR CFM = 1425
CAP. = 42.0 Kbtu/hr.
FUSE/CIRCUIT BREAKER SIZE: 40 A.
LISTED HEAT PUMP
COOLING: A27 - W30/W15/B25 - 12/13/12 KW.
HEATING: A20 - W20/W10/B0 - 15/13/10 KW.

EXISTING AIR-CONDITIONING HP-2
TRANE Model GEVG036A1B0KB0TRD010100 01A

3.5 TON. HEAT PUMP SYSTEM
208-230/1/60
INDOOR CFM = 1250
CAP. = 36.0 Kbtu/hr.
FUSE/CIRCUIT BREAKER SIZE: 35 A.
VOLTS-AC HZ PH
COMPRESSOR MOTOR: 208-230 60 1 16.7 RLA 79.0 LRA.
BLOWER MOTOR: 208-230 60 1 2.65 FLA 3/4 HP.

George Freijo
Digitally signed by George Freijo
DN: CN=George Freijo, O=Fine Line Engineers Inc, OU=Mechanical and Engineering, C=US
Date: 2024.10.04 14:55:24 -04'00'

Fine Line Engineers Inc.
Electrical, Mechanical, Plumbing
Fire Protection, Construction Administration
2089 W. 76th Street, Hialeah, FL 33016
Voice: 786.953-4901 - Fax: 786.953-4907
E-mail: cadinfo@flengineers.com

GEORGE FREIJO, P.E.
REGISTERED ENGINEER NO. 32578
STATE OF FLORIDA CA#: 29796
DATE

©ALL RIGHTS RESERVED Fine Line Engineering, Inc.

WESTHAVEN
CONSTRUCTION SERVICES, INC.
2400 W 84 Street Suite 20, Hialeah FL 33016
305-556-1416 Cell 305-979-8624

Fine Line Engineers Inc.
Electrical, Mechanical, Plumbing, Fire Protection
Construction Administration Services
2089 WEST 76th STREET, HIALEAH, FLORIDA, 33016
Tel: 786-953-4901
E-mail: cadinfo@flengineers.com

REMODELING, RENOVATIONS AND FINISHING FOR:
DAVID AND SUSAN CARROLL
50 South Pointe Drive No 2201, FL 33039

JOB No.	2410 ROD
STARTED:	09/04/24
COMPLETED:	10/04/24

REVISION

No.	DESCRIPTION	DATE:

M-1

Copyright notice: These drawings, designs and ideas are the property of Westhaven Construction Services, Inc. and are protected under the copyright laws of Florida. No part thereof shall be copied, or used in connection with any work other than for the specific project for which they have been prepared without written consent of Westhaven Construction Services, Inc.