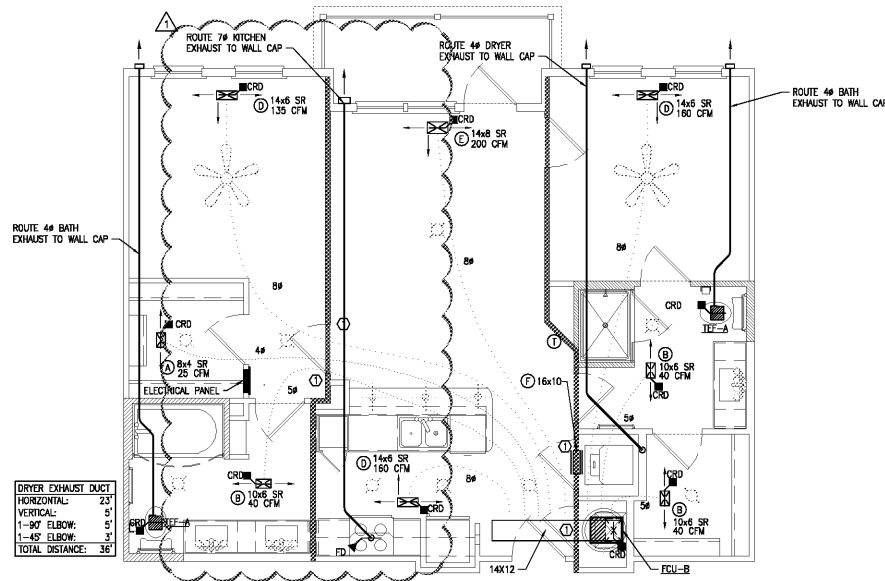


NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

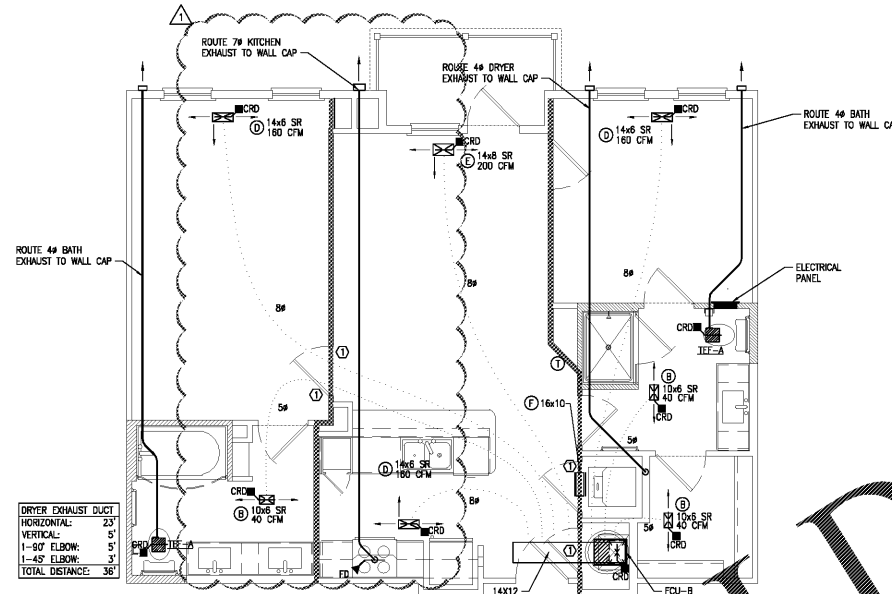
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	324	13	40
BEDROOM 1	158	6	16
BEDROOM 2	132	5	16

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	334	13	32
BEDROOM 1	204	8	16
BEDROOM 2	132	5	16



1 Unit B1 - HVAC
Scale: 1/4" = 1'-0"
Plan



2 Unit B1-ALT 1 - HVAC
Scale: 1/4" = 1'-0"
Plan

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

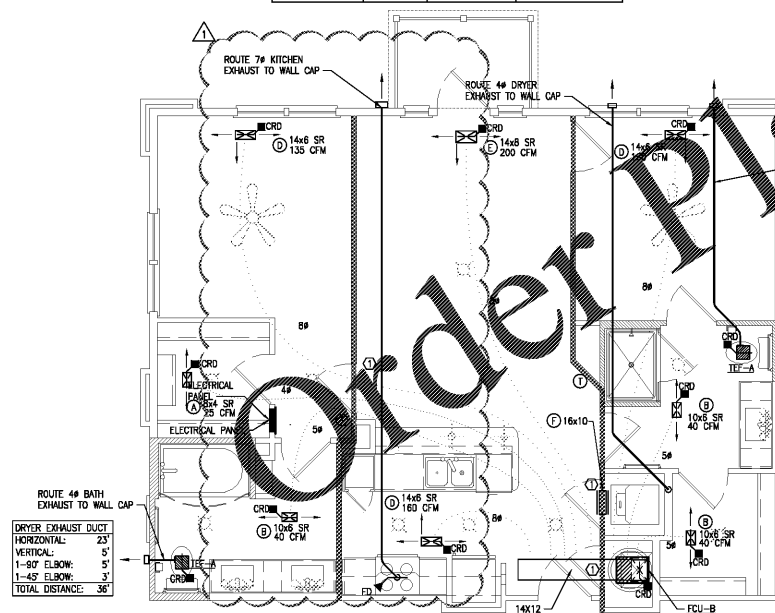
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	358	14	24
BEDROOM 1	158	6	32
BEDROOM 2	132	5	16

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

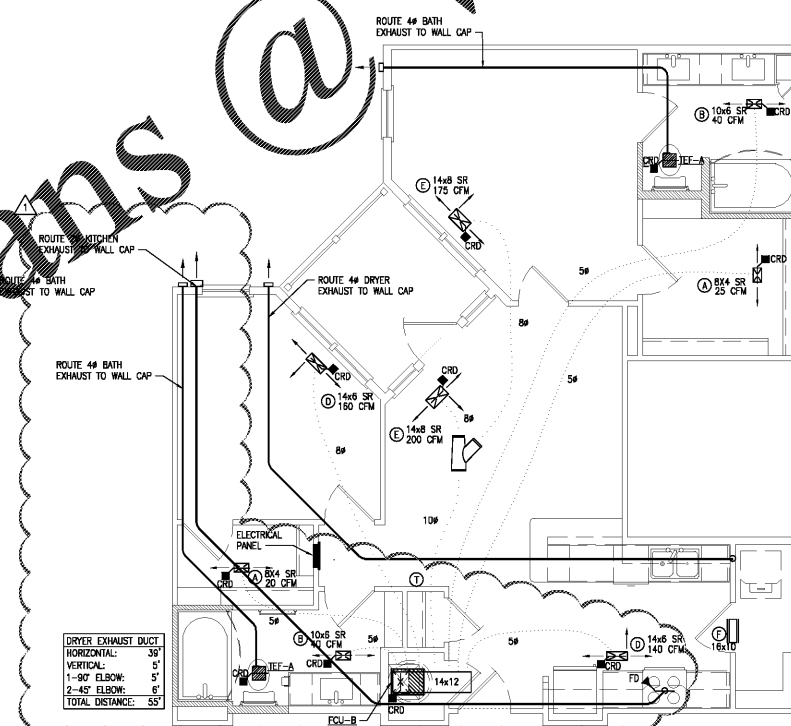
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	14	24	24
BEDROOM 1	130	5	24
BEDROOM 2	176	7	24

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

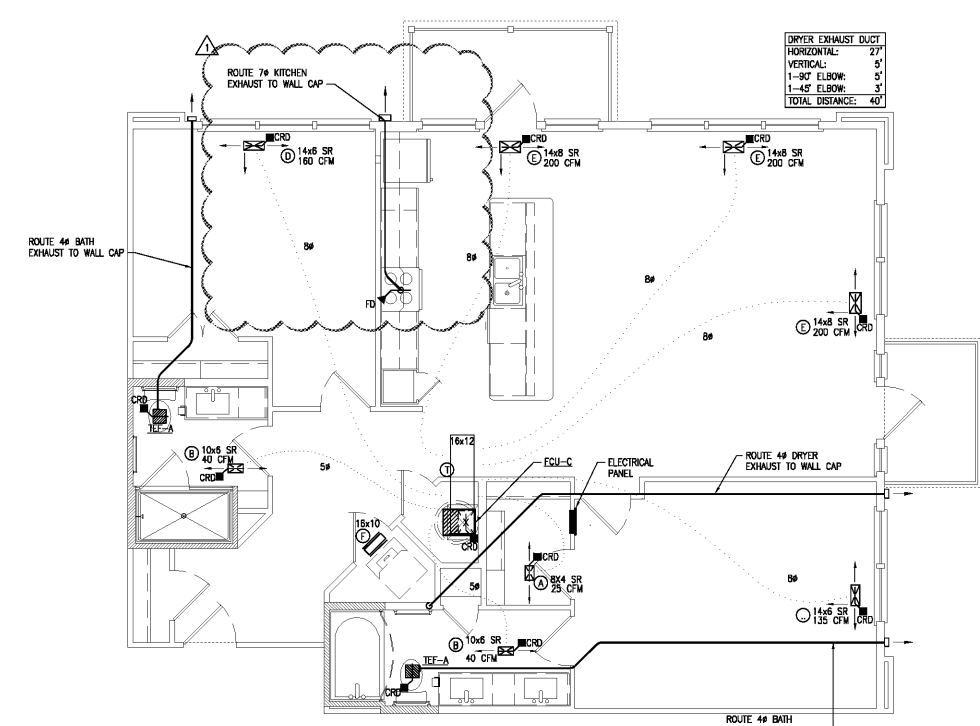
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	662	26	94
BEDROOM 1	186	7	35
BEDROOM 2	217	9	16



3 Unit B1-ALT 2 - HVAC
Scale: 1/4" = 1'-0"
Plan



4 Unit B2 - HVAC
Scale: 1/4" = 1'-0"
Plan



5 Unit B3 - HVAC
Scale: 1/4" = 1'-0"
B3-ALT1 IS SIMILAR
Plan

- NOTES:
- DUCTWORK SHALL BE ROUTED BETWEEN 18" DEEP OPEN WEB ROOF TRUSSES AT 24" O.C. (UNLESS NOTED OTHERWISE) RUNNING PARALLEL TO THE EXTERIOR WALL.
 - CONDENSING UNITS SHALL BE MOUNTED ON THE ROOF. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
 - ALL CONDENSING UNITS SHALL HAVE THE FOLLOWING MINIMUM CLEARANCES, OR AS SPECIFIED BY MANUFACTURER:
 - A. 12 IN. FROM BUILDING
 - B. 30 IN. FROM CONDENSING UNIT ON OPPOSITE SIDE FROM BUILDING
 - C. 24 IN. FROM CONDENSING UNITS ON TWO REMAINING SIDES
 - SEE "HVAC GENERAL NOTES" FOR DRYER EXHAUST.
 - EXHAUST AND DRYER WALL CAPS SHALL HAVE BACK DRAFT DAMPERS.
 - PROVIDE HOODED BATH/DRYER CAPS. DO NOT PROVIDE WIRE MESH OR SCREEN ON DRYER VENT CAP.
 - FCU CONDENSATE SHALL BE ROUTED TO DRAIN IN MECHANICAL CLOSET ON THE BOTTOM FLOOR. COORDINATE WITH PLUMBING.
 - DRYER VENT SHALL TURN DOWN IN WALL AT DRYER AND TERMINATE AT DRYER BOX. SEE DETAIL.
 - TRANSFER GRILLES SHALL BE PROVIDED ABOVE LAUNDRY ROOM DOORS AS SHOWN. LAUNDRY ROOM DOORS ARE SOLID AND NOT GLAZED. PROVIDE A GRILLE ON BOTH (2) SIDES OF WALL. CENTER GRILLE ABOVE DOOR. SEE DETAIL FOR SIZE.
 - RETURN AIR SHALL BE THRU LAUNDRY ROOM AT MECHANICAL CLOSET. SEE DETAIL.
 - MAINTAIN 6" MIN. BETWEEN TRUNK DUCTS. TRUNK DUCT, NO-TAKE OFF SHALL BE LOCATED WITHIN 5' OF START OF END TRUNK DUCT.
 - A DUCT LEAKAGE TEST SHALL BE PERFORMED ON ALL APARTMENT UNITS TO MEASURE DUCT LEAKAGE. THE MAXIMUM ALLOWABLE DUCT LEAKAGE IS 4 CFM PER 100 S.F. (40). THIS TESTING SHALL BE DONE WHILE THE DUCTWORK IS STILL ASSEMBLED, BEFORE THE CEILING IS INSTALLED.
 - CEILING SHALL BE PROVIDED CRD'S AT EACH PENETRATION.
 - PROVIDE 1" UNDERCUT OF ALL BEDROOM DOORS.
 - PROVIDE 1" UNDERCUT OF ALL LAUNDRY ROOM DOORS.
- KEY NOTES:
- COORDINATE WITH STRUCTURAL ENGINEER FOR PENETRATION IN THIS AREAS. PROVIDE BOX OUT.



Project: 1928
CADD File:
Drawn By: NT
Checked By: CB

Permit Release:
May 15, 2020
Construction Release Set:
May 15, 2020

Revisions
No. Date Description
1 03/19/21 Owner Comments

ASI / RFI Revisions
No. Date Description

© 2019 Poole & Poole Architects, LLC
Drawings and specifications are the property of Poole & Poole Architects, LLC and shall not be used for any other project without the written consent of Poole & Poole Architects, LLC.

PHILLIP S. GRADNICK
ENGINEERING, P.C.
1018 W. Brentwood Drive
Brentwood, TN 37020
615-866-1111

Borough 33
an Apartment Community by
33 Broad MF, LLC
in Chattanooga, Tennessee

Drawing Title:
Unit Plan

M1.3

ISSUED FOR CONSTRUCTION