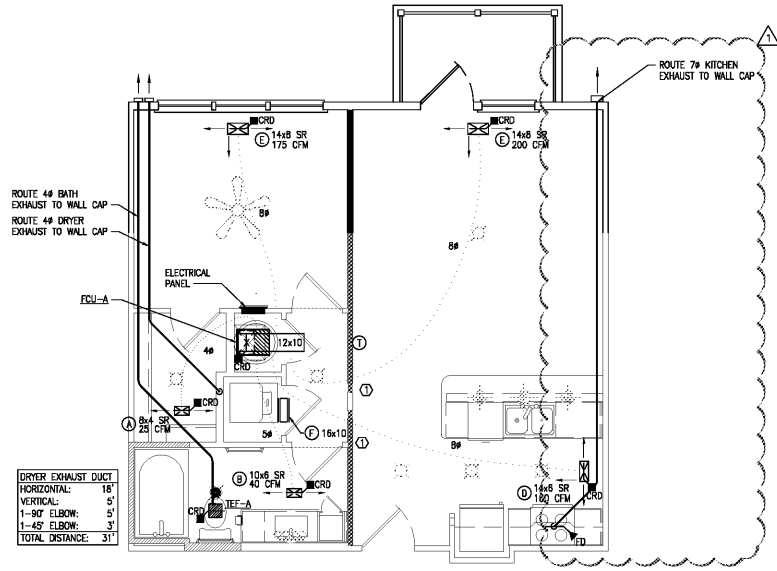


NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

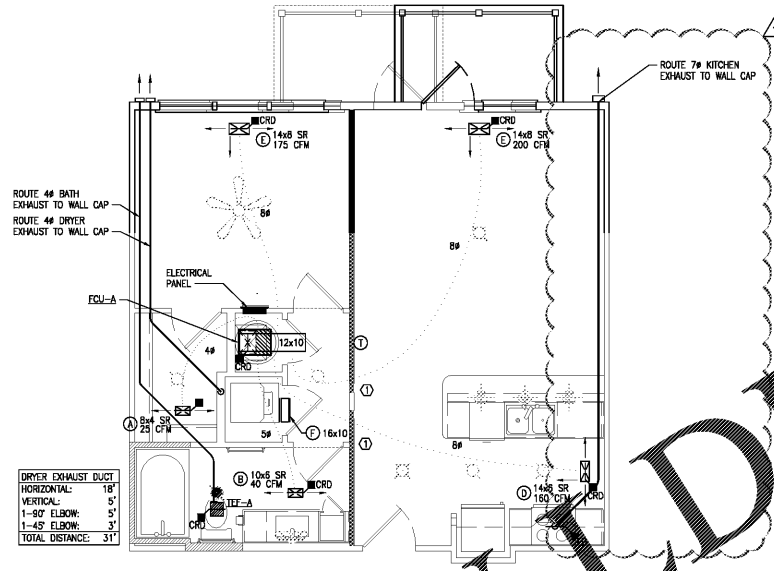
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	380	15	32
BEDROOM 1	137	5	35

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	380	15	32
BEDROOM 1	137	5	16



1 Unit A3 - HVAC
Scale: 1/4" = 1'-0" Plan



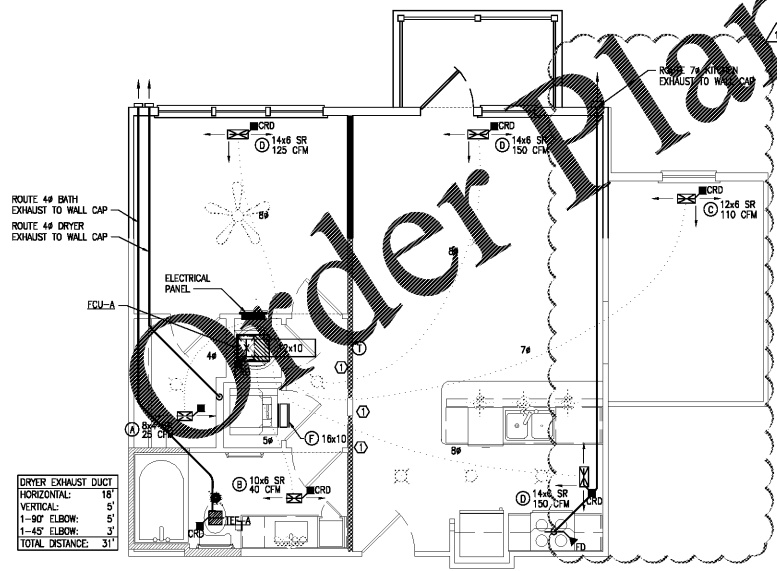
2 Unit A3-ALT 1 - HVAC
Scale: 1/4" = 1'-0" Plan

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

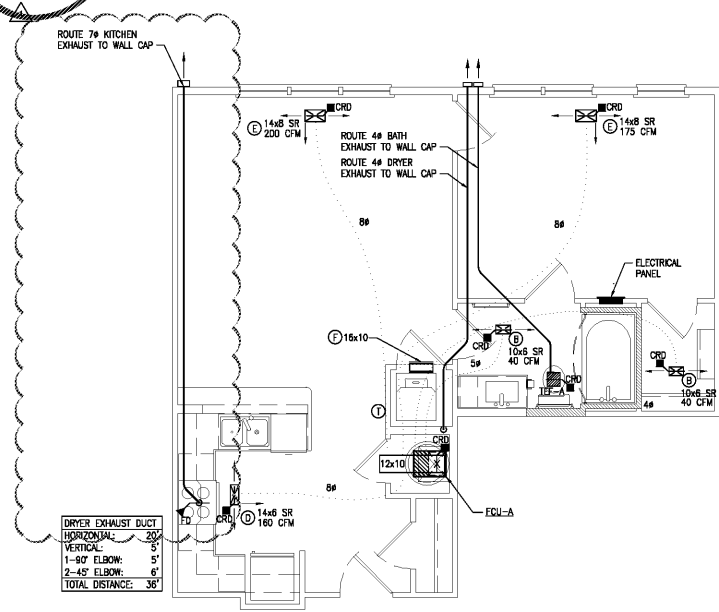
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	380	15	32
BEDROOM 1	137	5	16
DINING	110	4	8

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	400	16	24
BEDROOM 1	169	7	24



3 Unit A3-ALT 2 - HVAC
Scale: 1/4" = 1'-0" Plan



4 Unit A4 - HVAC
Scale: 1/4" = 1'-0" 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 GRILL ABOVE DOOR. SEE DRAWING FOR SIZE.
 - RETURN AIR SHALL BE THRU LAUNDRY ROOM AT MECHANICAL CLOSET. SEE DETAIL.
 - MAINTAIN 6" MIN. BETWEEN TRUNK DUCT'S MAIN TRUNK DUCT. NO-TAKE OFF SHALL BE LOCATED WITHIN 5' OF START OR END OF TRUNK DUCT.
 - A DUCT COVER SHALL BE PROVIDED 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 ACCESSIBLE, BEFORE THE CEILING IS INSTALLED.
 - CEILING SHALL BE RE-CEILING. PROVIDE CRD'S AT EACH PENETRATION.
 - PROVIDE 1" UNDERCUT OF ALL BEDROOM DOORS.
 - PROVIDE 1" UNDERCUT OF ALL LAUNDRY ROOM DOORS.

KEY NOTES:
 1. COORDINATE WITH STRUCTURAL ENGINEER FOR PENETRATION IN THIS AREAS. PROVIDE BOX OUT.

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

Drawing Title:
 Unit Plan

M1.2

ISSUED FOR CONSTRUCTION