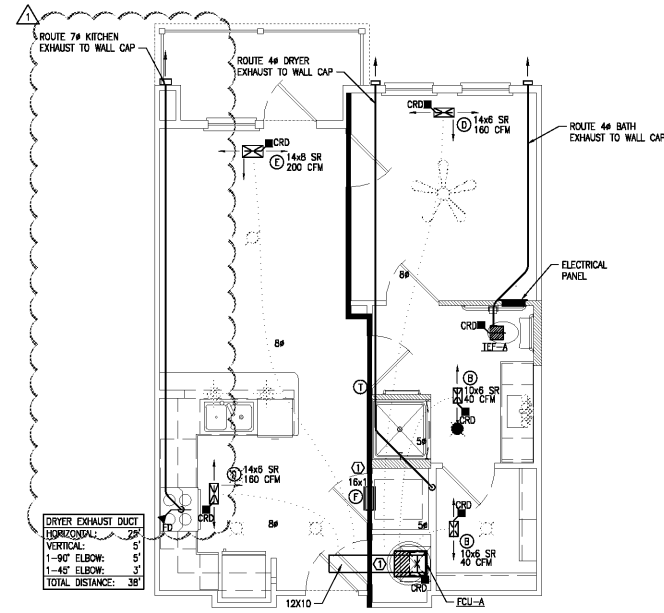


NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

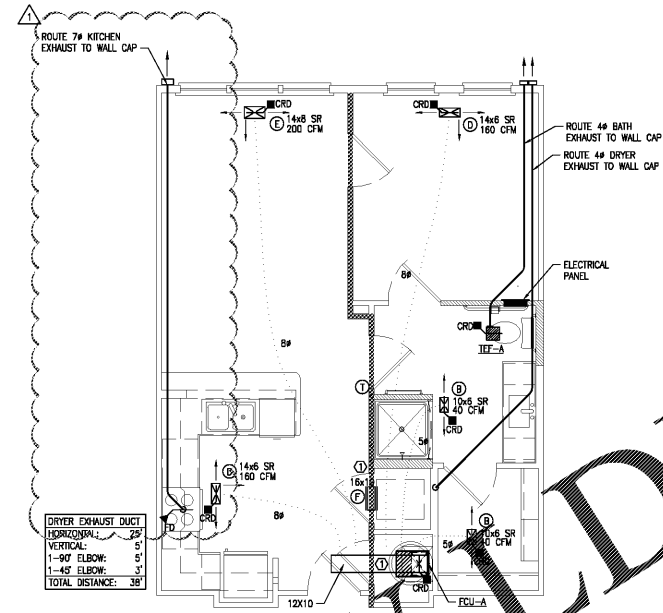
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	295	12	32
BEDROOM 1	124	5	16



1 Unit A2-HC - HVAC
Scale: 1/4" = 1'-0" Plan

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

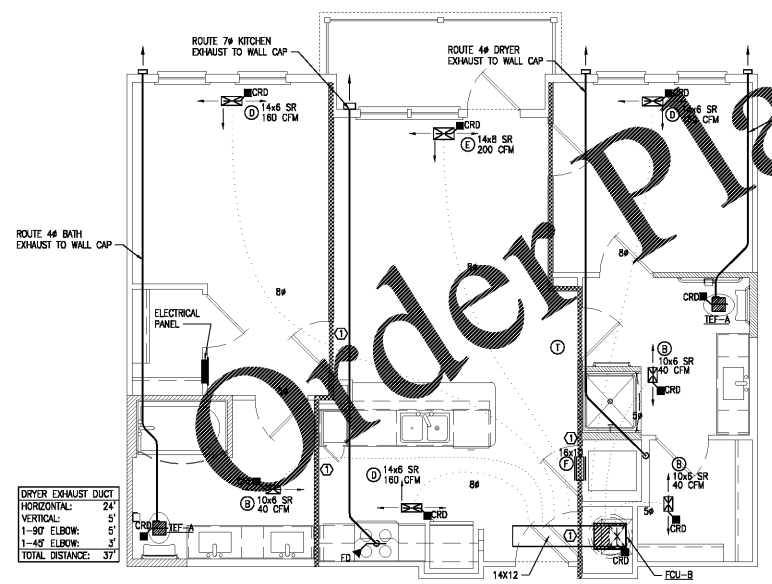
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	316	13	32
BEDROOM 1	124	5	16



2 Unit A2-HC-Alt - HVAC
Scale: 1/4" = 1'-0" Plan

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2

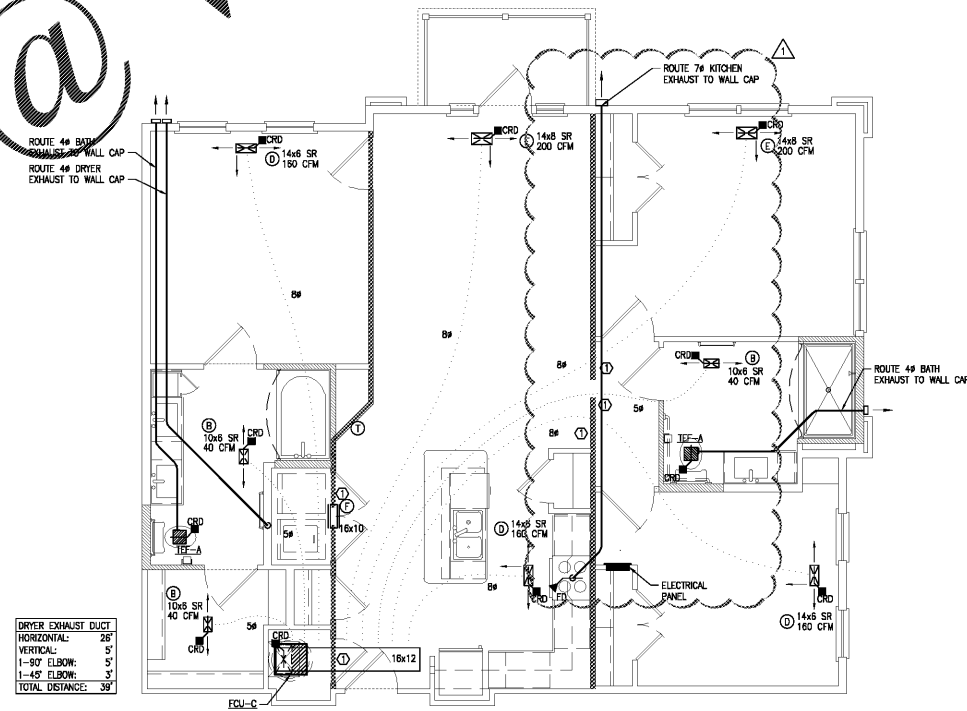
AREA TYPE	AREA (SF)	REQ'D. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	335	13	40
BEDROOM 1	171	7	16
BEDROOM 2	132	5	16



3 Unit B1-HC - 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	467	19	24
BEDROOM 1	164	7	16
BEDROOM 2	170	7	35
BEDROOM 3	135	5	16



4 Unit C1-HC - 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 DETAIL FOR SIZE.
- RETURN AIR SHALL BE THRU LAUNDRY ROOM AT MECHANICAL CLOSET. SEE DETAIL.
- MAINTAIN 6" MIN. BETWEEN TAKE-OFF'S MAIN TRUNK DUCT. NO-TAKE OFF SHALL BE LOCATED WITHIN 5' OF START OR END OF TRUNK DUCT.
- A DUCT CENTER 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 ACCESSIBLE, BEFORE THE CEILING IS INSTALLED.
- CELLULASE REQUIRED. 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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Revisions
No. Date Description

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

ASI / RFI Revisions
No. Date Description

No.	Date	Description
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Borough 33
an Apartment Community by
33 Broad MF, LLC
in Chattanooga, Tennessee

Drawing Title:
Unit Plan

M1.5

ISSUED FOR CONSTRUCTION