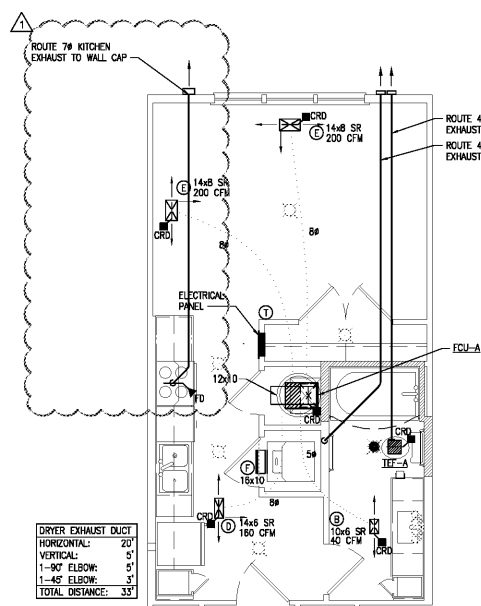


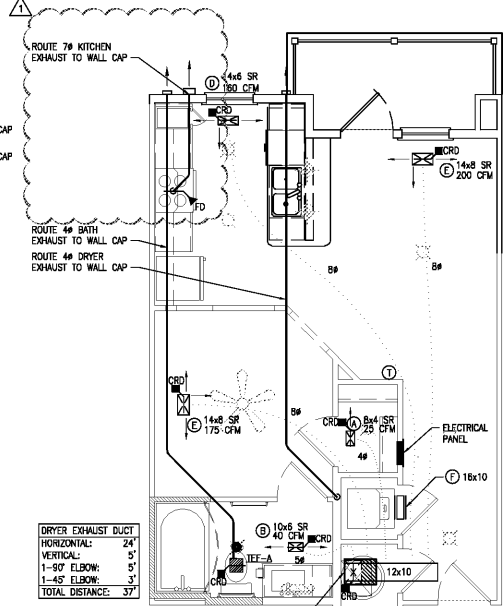
NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2			
AREA TYPE	AREA (SF)	REQD. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	291	12	40

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2			
AREA TYPE	AREA (SF)	REQD. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	310	12	40
BEDROOM 1	103	4	40

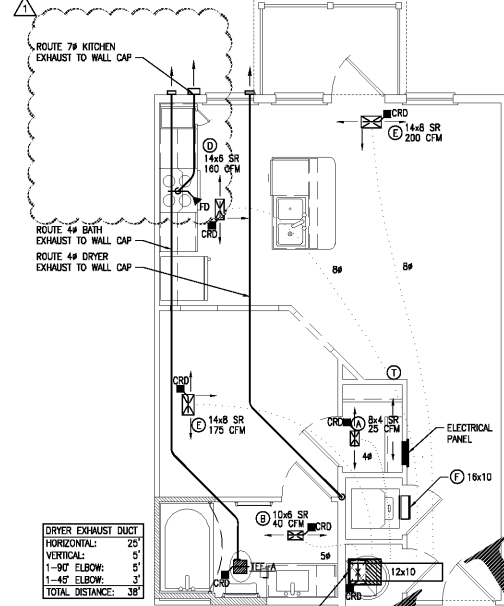
NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2			
AREA TYPE	AREA (SF)	REQD. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	332	13	48
BEDROOM 1	103	4	48



1 Unit S1 - HVAC
Scale: 1/4" = 1'-0"



2 Unit A1 - HVAC
Scale: 1/4" = 1'-0"



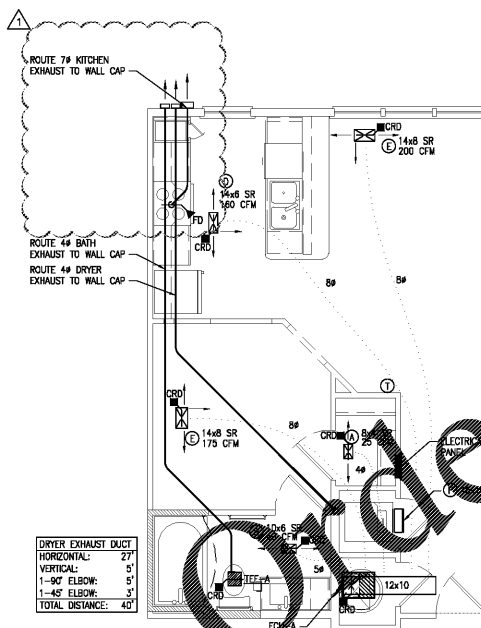
3 Unit A1-ALT 1 - HVAC
Scale: 1/4" = 1'-0"

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2			
AREA TYPE	AREA (SF)	REQD. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	332	13	32
BEDROOM 1	103	4	16

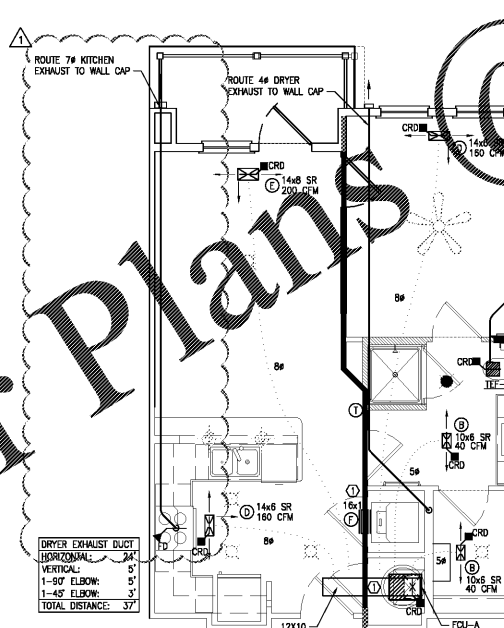
NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2			
AREA TYPE	AREA (SF)	REQD. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	295	12	32
BEDROOM 1	132	5	16

NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2			
AREA TYPE	AREA (SF)	REQD. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	316	13	32
BEDROOM 1	132	5	16

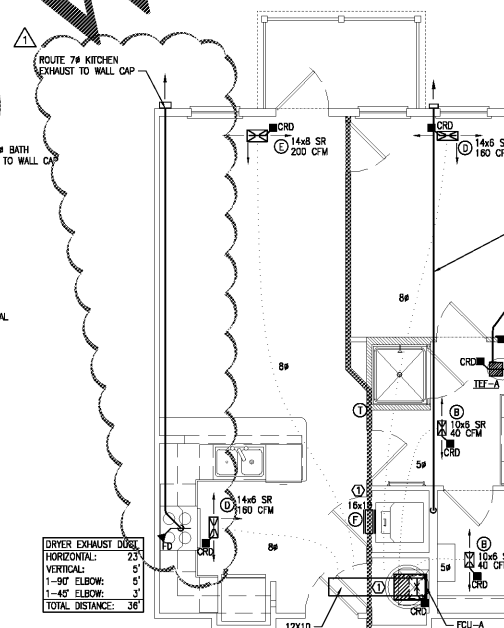
NATURAL VENTILATION CALCULATIONS BASED ON NCMC SECTION 402.2			
AREA TYPE	AREA (SF)	REQD. OPERABLE OPENING AREA 4% OF FLOOR (SF)	ACTUAL OPERABLE OPENING AREA (SF)
KITCHEN/LIVING	316	13	32
BEDROOM 1	132	5	16



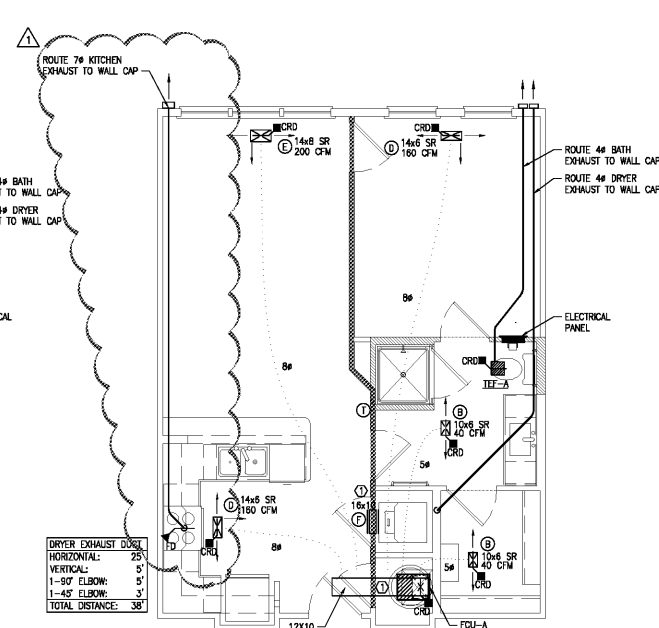
4 Unit A1-Alt 2 - HVAC
Scale: 1/4" = 1'-0"



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



6 Unit A2-ALT 1 - HVAC
Scale: 1/4" = 1'-0"



7 Unit A2-ALT 2 - HVAC
Scale: 1/4" = 1'-0"

- 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 LOUVER DOOR 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 OF END TRUNK DUCT.
 - A DUCT 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.
 - CELLULOSIC FIBER INSULATION SHALL BE PROVIDED 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

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

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Drawing Title:
Unit Plan
M1.1
ISSUED FOR CONSTRUCTION