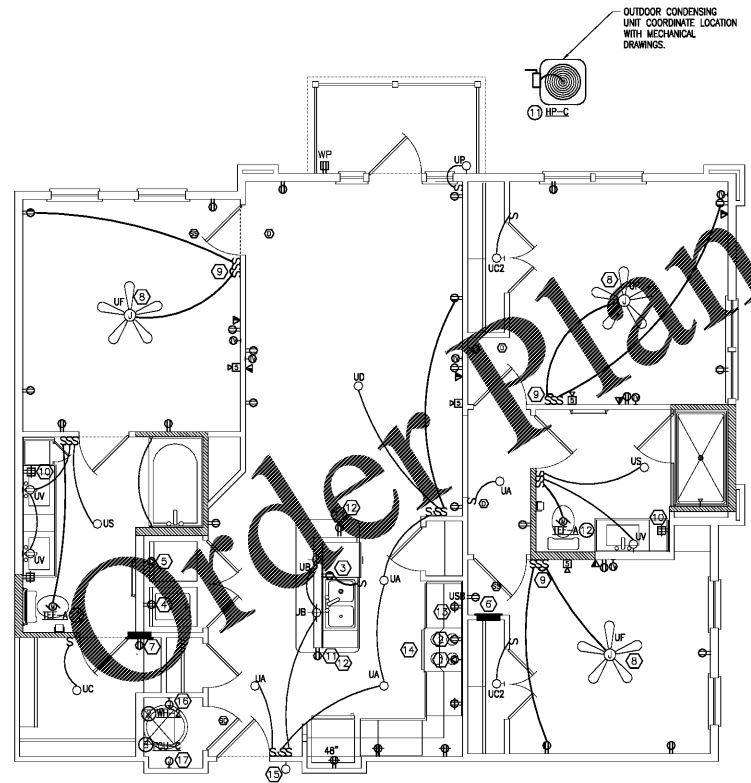
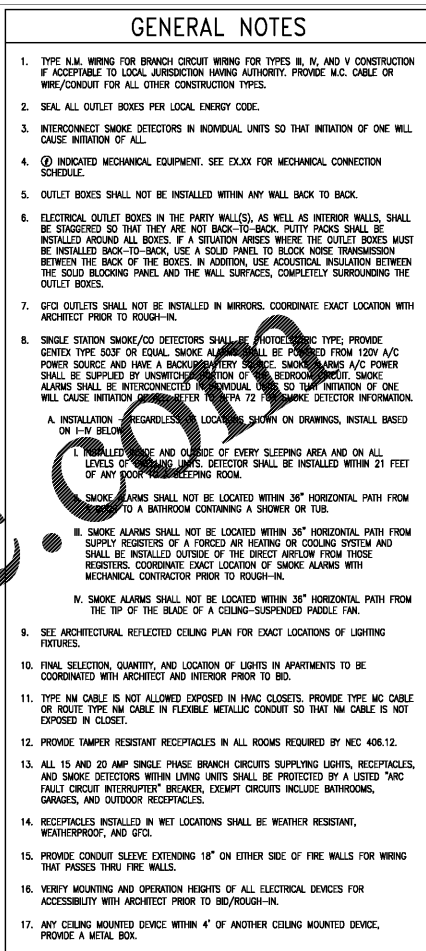
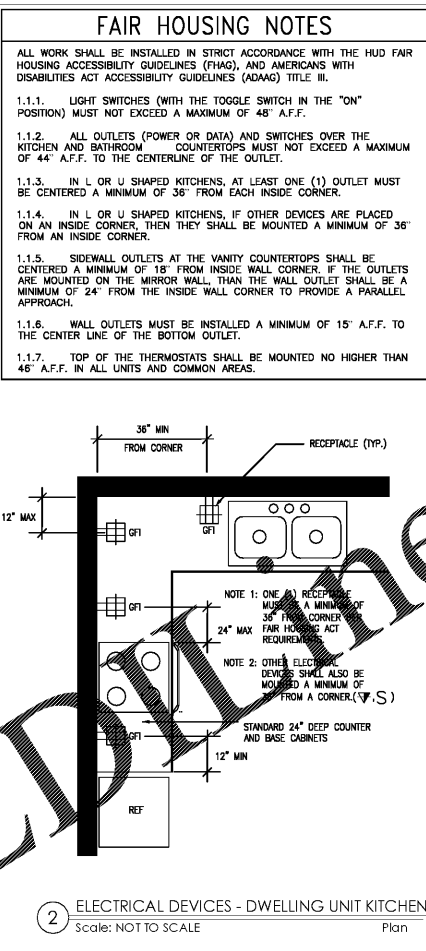


LOAD CENTER C1 SCHEDULE									
NO.	DESCRIPTION	LOAD (VA)	UNIT	FRASE	UNIT	FRASE	UNIT	FRASE	UNIT
1	Receptacle (7)	1.2	20A	3/4	30A	2.3	20A	3/4	30A
2	Dishwasher (6)	0.7	15A	3/4	30A	2.3	20A	3/4	30A
3	Appliance (7)	1.5	20A	3/4	30A	1.9	20A	3/4	30A
4	Refrigerator (7)	1.5	20A	3/4	30A	1.9	20A	3/4	30A
5	Clothes Washer (7)	1.5	20A	3/4	30A	1.9	20A	3/4	30A
6	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
7	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
8	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
9	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
10	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
11	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
12	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
13	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
14	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
15	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
16	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
17	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
18	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
19	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
20	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
21	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
22	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
23	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A
24	Receptacle (8)	1.0	15A	3/4	30A	1.8	15A	3/4	30A

LOADCENTER "C1" CALCULATION		
LOADING AND RECEPTACLE LOAD	1290.56 VA	3.870 VA
40% OF REMAINDER	20.800 VA	0.242 VA
SUBTOTAL PER NEC 220.82(B)		15.242 VA
FRST 10KVA @ 120V		10.000 VA
40% OF REMAINDER	20.800 VA	0.242 VA
SUBTOTAL PER NEC 220.82(B)		10.242 VA
COMPRESSOR		3.860 VA
HEAT		3.890 VA
TOTAL HVAC		7.750 VA
HEAT@95% & COMP@100% PER NEC 220.82(C)		8.020 VA
SUBTOTAL PER NEC 220.82(B)		18.242 VA
FRAC PER NEC 220.82(C)		0.020 VA
TOTAL DEMAND LOAD		18.272 VA
24.272 VA @ 120V	110.80 AMP	125 AMP SERVICE
TOTAL CONNECTED LOAD		37.900 VA
NUMBER OF 15A LIGHTING RECEPTACLE BRANCH CIRCUITS		
RECEPTACLE SIZE	30A @ 15.18A @ 1/2"	FOR LOADCENTER INTENT 120 FEET
	30A @ 15.18A @ 1/2"	FOR LOADCENTERS OVER 120 FEET



- ### UNIT PLAN KEY NOTES (THIS SHEET ONLY)
- PROVIDE (NEMA 14-30R) RECEPTACLE W/3#6, #10G CIRCUIT FOR RANGE. PROVIDE RANGE CORD.
 - PROVIDE (NEMA 5-20R) RECEPTACLE W/2#12, #12G CIRCUIT FOR RANGE HOOD/MICROWAVE.
 - MOUNT UNDER CABINET, BREAK TABS, TOP RECEPTACLE SHALL BE CONTROLLED BY SWITCH FOR DISPOSAL. BOTTOM RECEPTACLE SHALL BE UNSWITCHED FOR DISHWASHER. PROVIDE 4' SO CORD WITH 3 PRONG PLUG FOR DISHWASHER AND 3' SO CORD WITH 3 PRONG PLUG FOR GARBAGE DISPOSAL. MOUNT SWITCH INSIDE BASE CABINET. PROVIDE 2 CIRCUITS AS INDICATED ON THE LOAD CENTER SCHEDULE.
 - PROVIDE A (NEMA 5-20R) RECEPTACLE MTD 48" AFF WITH 2#12, #12G. FOR WASHER.
 - PROVIDE A (NEMA 14-30R) RECEPTACLE MTD 48" AFF WITH 3#10, #10G CIRCUIT FOR CLOTHES DRYER. PROVIDE DRYER CORD.
 - FLUSH MOUNTED LOAD CENTER (W/FLUSH MOUNT COVER, 1/2" OVERLAP); CONTRACTOR SHALL VERIFY THAT THERE IS NO PIPING AND/OR DUCTWORK INSTALLED ABOVE LOADCENTER. MOUNT TOP CIRCUIT BREAKER HANDLE AT 48" AFF. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT/INTERIOR DESIGNER/OWNER PRIOR TO BID/ROUGH-IN.
 - PROVIDE (MINIMUM 14" X 28" FLUSH MOUNTED STRUCTURED MEDIA ENCLOSURE WITH LOCKING DOOR, TWO (2) BUNDLED TELEPHONE BOARD AND 8 WAY 1GHz PASSIVE VIDEO SPLITTER. PROVIDE (1) CAT 6 CABLE FROM PUNCH DOWN BLOCK TO EACH DATA/TELEPHONE OUTLET (NO DASHY CHAINING) AND (1) CAT 6 CABLE FROM PUNCH DOWN BLOCK TO TELEPHONE SERVICE DEMARCATION LOCATION. PROVIDE (1) RG11 COAXIAL CABLE FROM SPLITTER TO EACH TELEVISION OUTLET (NO DASHY CHAINING) AND PROVIDE (1) RG11 COAXIAL CABLE FROM SPLITTER TO CABLE SERVICE DEMARCATION LOCATION. TERMINATE ALL CABLES ON APPROPRIATE TERMINATION POINTS. CLEARLY LABEL EACH PORT IDENTIFYING THE DESTINATION ADDRESS OF EACH CABLE. PROVIDE A MINIMUM OF 12" SLACK CABLE AT EACH OUTLET. PROVIDE (1) 20A DUPLEX RECEPTACLE MOUNTED WITHIN ENCLOSURE. MOUNT ENCLOSURE AT 36" AFF. FIELD VERIFY. SEE TELE/CAV/RISER DIAGRAM.
 - PROVIDE A FAN-RATED JUNCTION BOX RECESSED FLUSH WITHIN CEILING.
 - 1 SWITCH SHALL CONTROL FAN. 1 SPST OR 3 WAY SWITCH SHALL CONTROL LIGHT.
 - MOUNT RECEPTACLE HORIZONTALLY WITHIN 12" OF FRONT EDGE OF COUNTER. COORDINATE WITH THE MILL WORK CONTRACTOR FOR OUTLET LOCATION WHEN NO SIDE WALL IS AVAILABLE.
 - MOUNT HORIZONTALLY 4" BELOW COUNTERTOP WHERE COUNTER OVERHANG DOES NOT EXTEND MORE THAN 6". COORDINATE WITH ARCHITECT.
 - CONNECT TO GFCI BRANCH CIRCUIT
 - PROVIDE HUBBLE USB15A** SERIES TYPE COMBO RECEPTACLE. CIRCUIT DOWNSTREAM OF GFI-PROTECTED OUTLET IF LOCATED IN KITCHEN, WITHIN 6'-0" OF A SINK, OR NOTED AS "GFI".
 - SEE 2/E1.9 FOR FAIR HOUSING OUTLET SPACING IN KITCHEN
 - CONNECT TO UNIT LIGHTING BRANCH CIRCUITRY
 - PROVIDE JUNCTION BOX FOR WATER HEATER.
 - PROVIDE JUNCTION BOX FOR INDOOR UNIT.

1 Unit C1 - Electrical
Scale: 1/4" = 1'-0"
Plan

Seal

PROJECT: 1928
CADD File:
Drawn By: SW
Checked By: WM

Permit Release:
May 19, 2020
Construction Release Set:
May 19, 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

E1.9