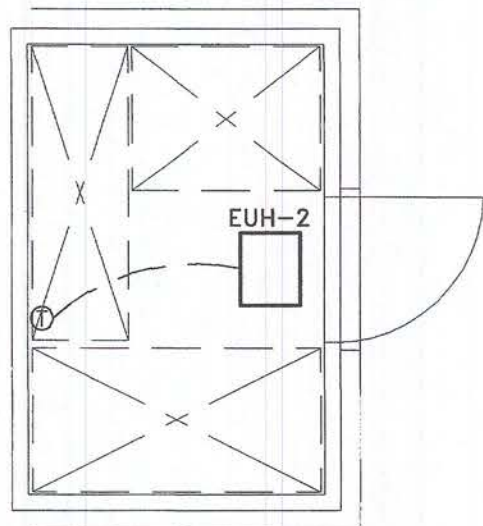


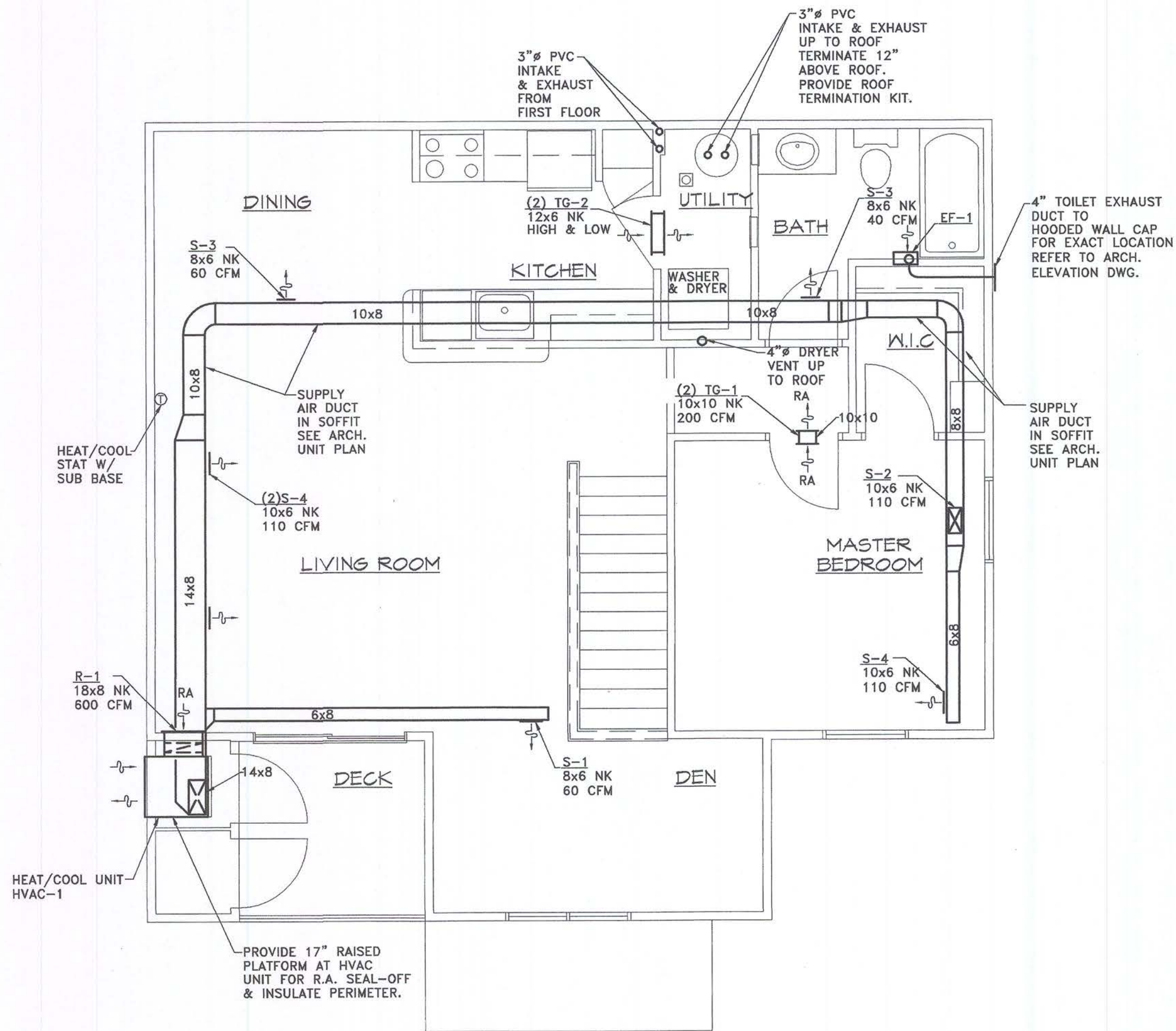


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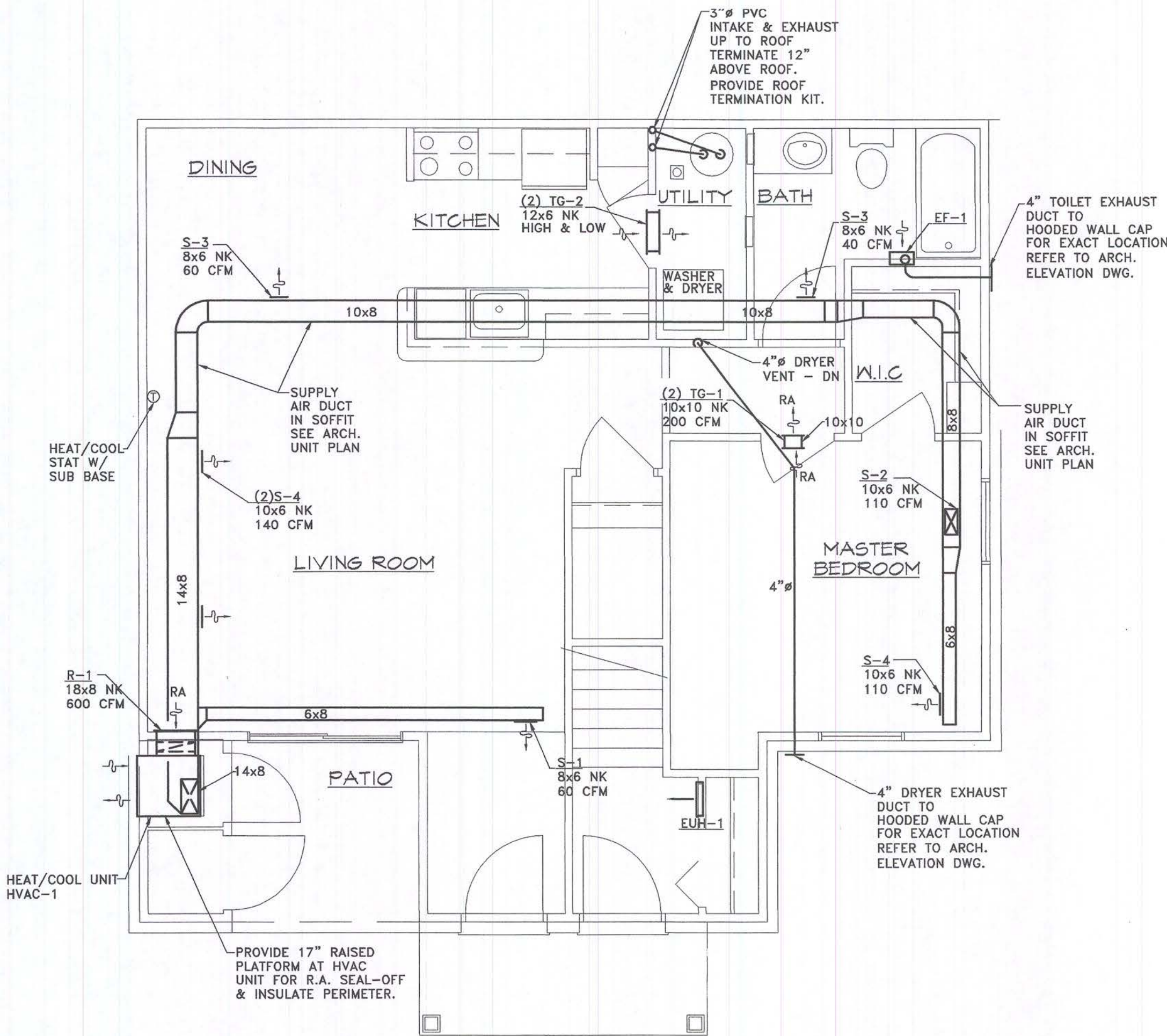
WATER SERVICE ROOM

SCALE: 1/4" = 1'-0"



SECOND FLOOR UNIT "A"

SCALE: 1/4" = 1'-0"



FIRST FLOOR UNIT "A"

SCALE: 1/4" = 1'-0"

Consultant:

MANCINI, ALKATEEB & ASSOCIATES, INC.
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
5600 TELEGRAPH ROAD, SUITE 100
BIRMINGHAM, MICHIGAN 48226 FAX (248) 235-8338

Developer:

FIELEK BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON APARTMENTS

Leslie, Michigan

Sheet Title:

**1ST & 2ND FLOOR
UNIT "A" PLANS
- HVAC**

Project Number: 03-161

Drawn: SA

Checked: SS

Date: 10-8-03

Sheet Number:

M5.1



■ **Consultant:**



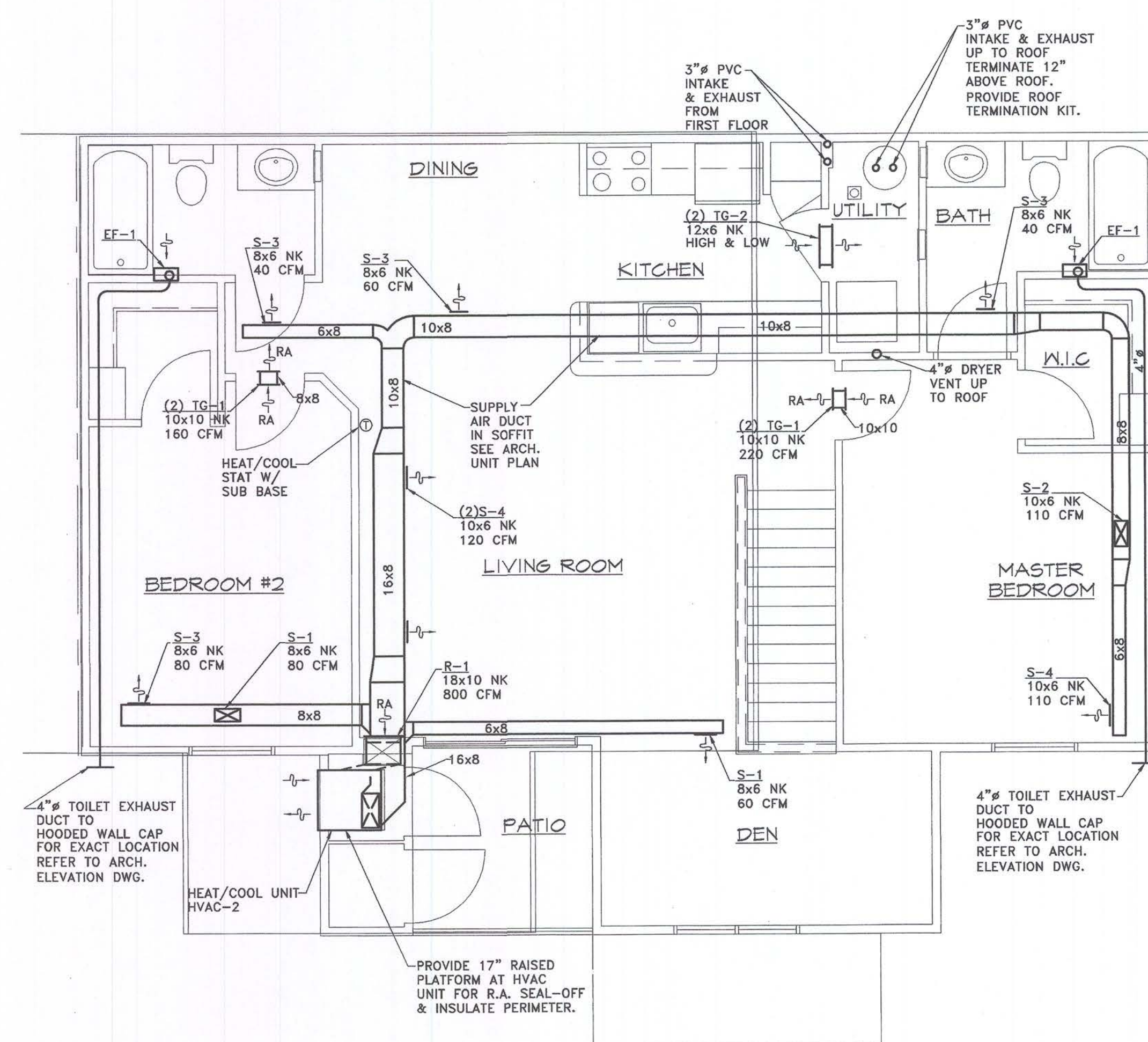
Project:

**WORTHINGTON
APARTMENTS**

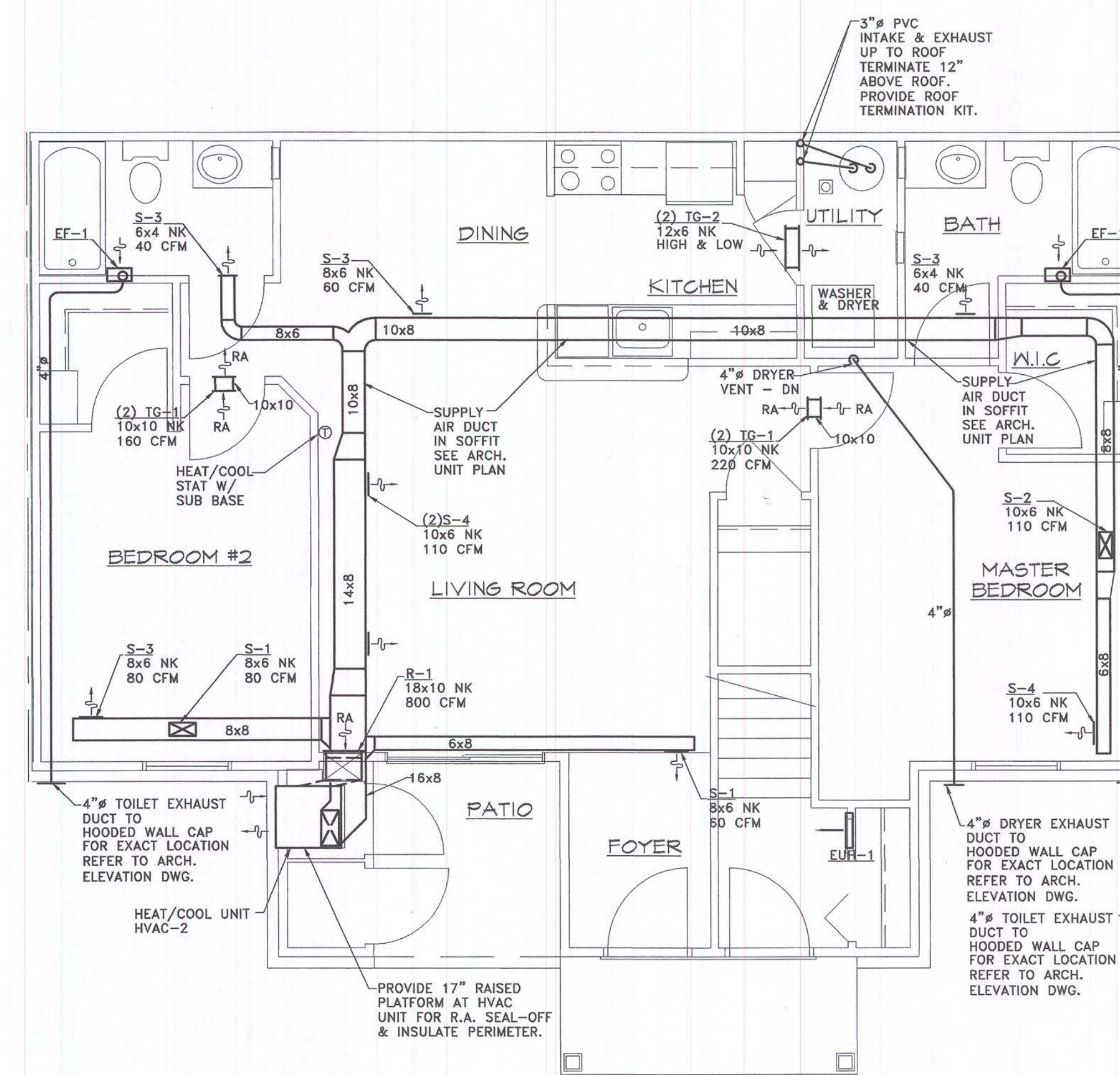
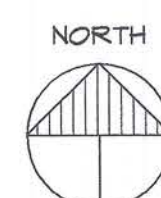
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1ST & 2ND FLOOR UNIT "B" PLANS - HVAC

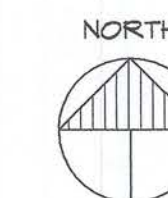
M5.2



SCALE: $\frac{1}{4}" = 1'-0"$



SCALE: $\frac{1}{4}" = 1'-0"$





■ **Consultant:**



MANCINI, ALKATEEB & ASSOCIATES, INC.
MECHANICAL & ELECTRICAL • CONSULTING ENGINEERS
30400 TELEGRAPH ROAD, SUITE 486 (248) 258-1671
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Project:

WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

1ST & 2ND FLOOR
UNIT "C" PLANS
- HVAC

Project Number: 03-161

Drawn: SA

Checked: SS

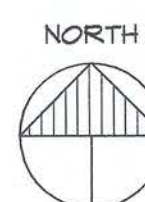
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Date: 10-8-03

Sheet Number:

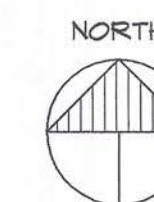
M5.3

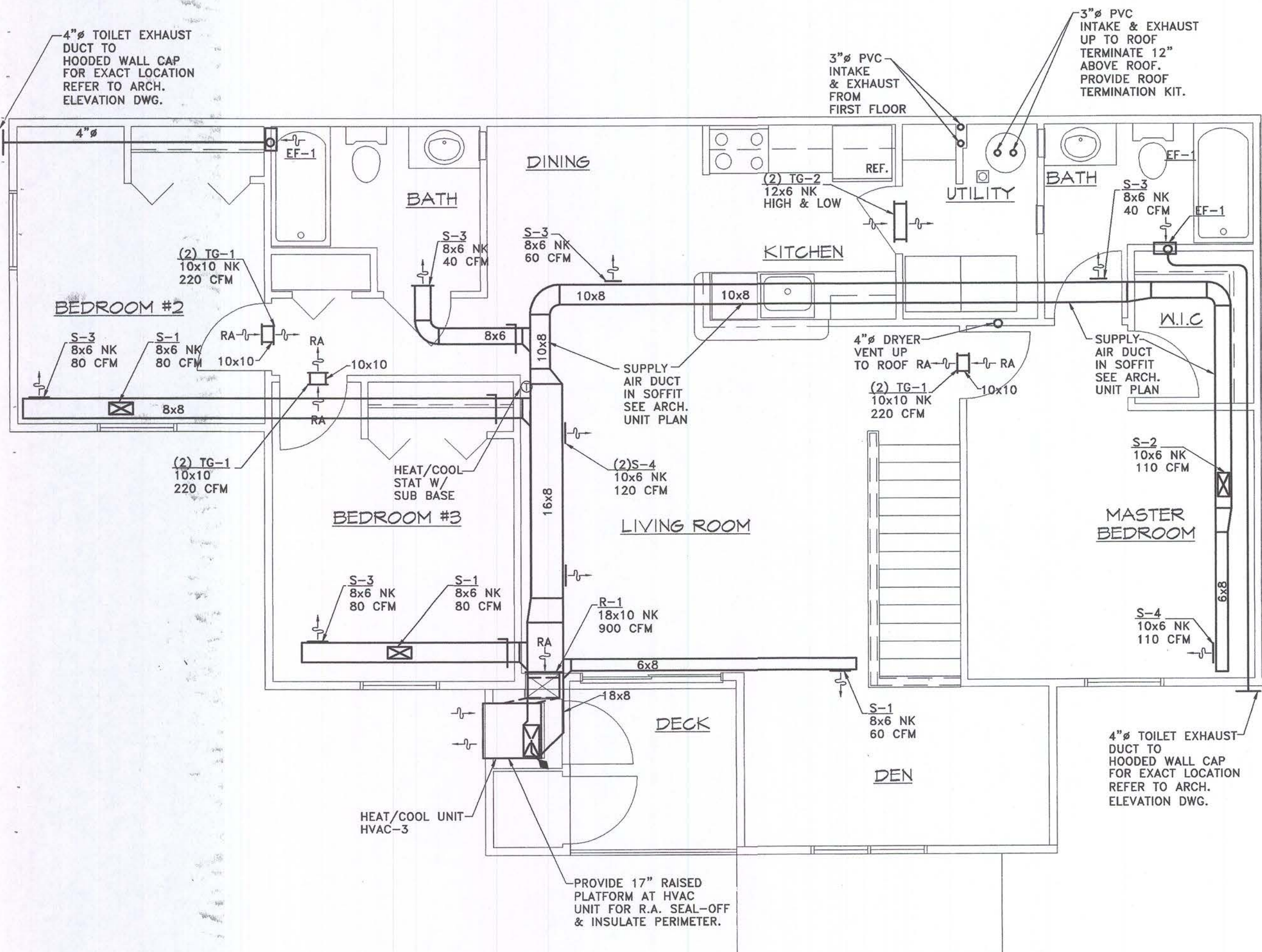


SCALE: $\frac{1}{4}" = 1'-0"$

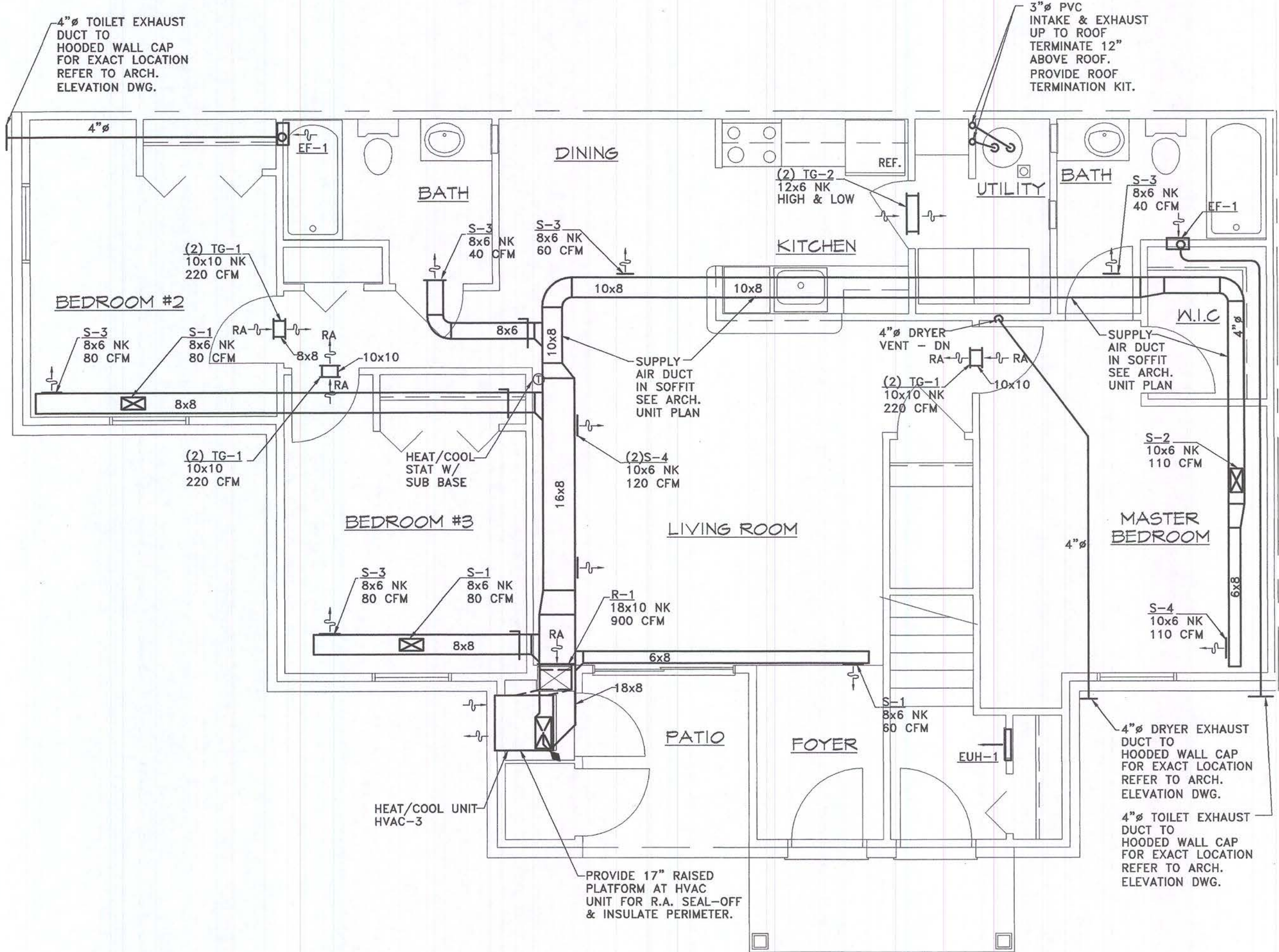


SCALE: $\frac{1}{4}" = 1'-0"$





SECOND FLOOR UNIT "D"
SCALE: 1/4" = 1'-0"
NORTH



FIRST FLOOR UNIT "D"
SCALE: 1/4" = 1'-0"
NORTH

Consultant:
MANCINI, ALKATEEB & ASSOCIATES, INC.
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
30420 TELEGRAPH ROAD, SUITE 400
BIRMINGHAM, MICHIGAN 48226 (248) 228-1610 FAX (248) 228-6838

Developer:
FILEK BUILDERS, L.L.C.
South Lyon, Michigan

Project:
WORTHINGTON APARTMENTS
Leslie, Michigan

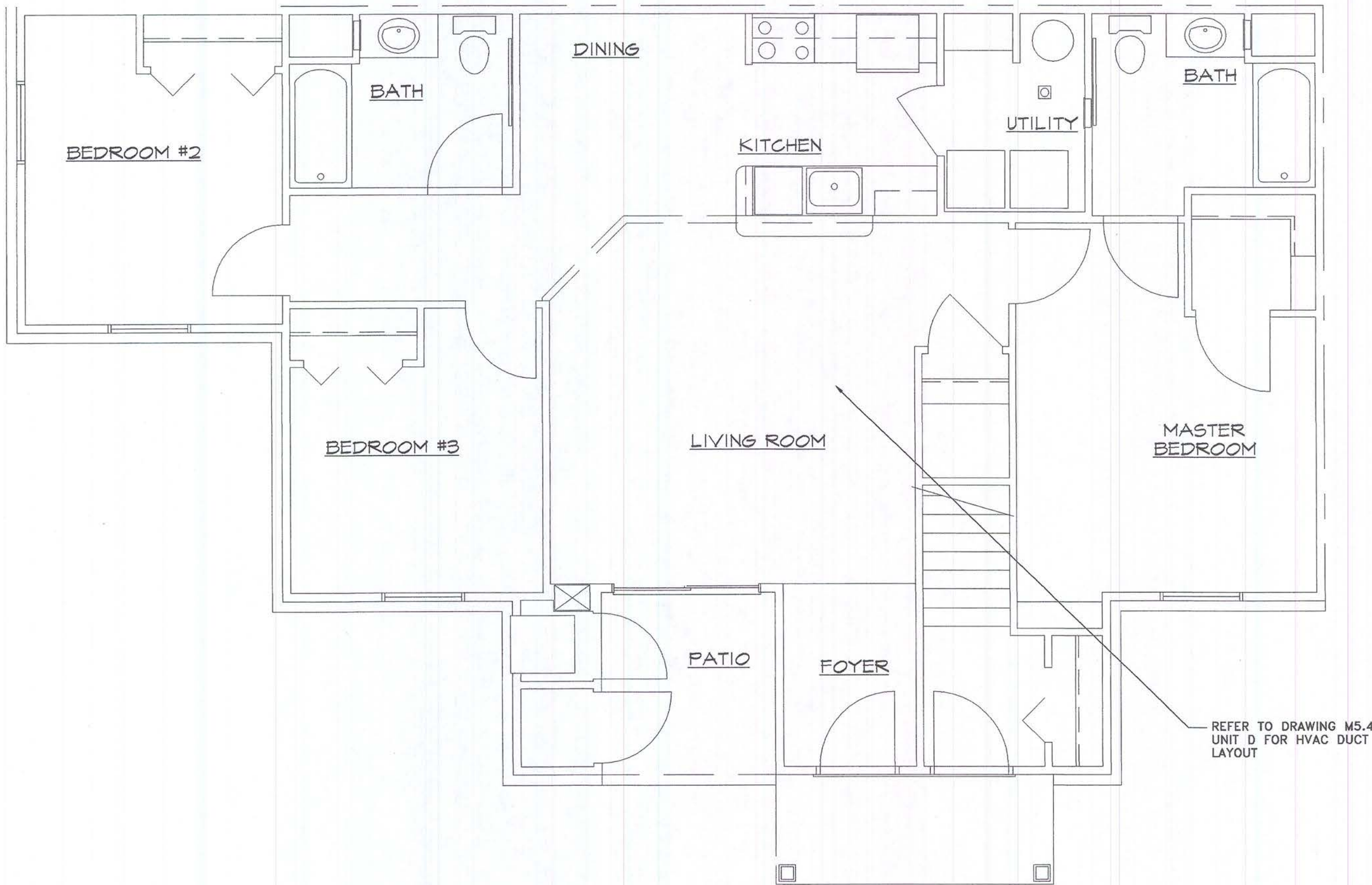
Sheet Title:
**1ST & 2ND FLOOR
UNIT "D" PLANS
- HVAC**

Project Number: **03-161**
Drawn: SA
Checked: SS
Date: 10-8-03
Sheet Number:

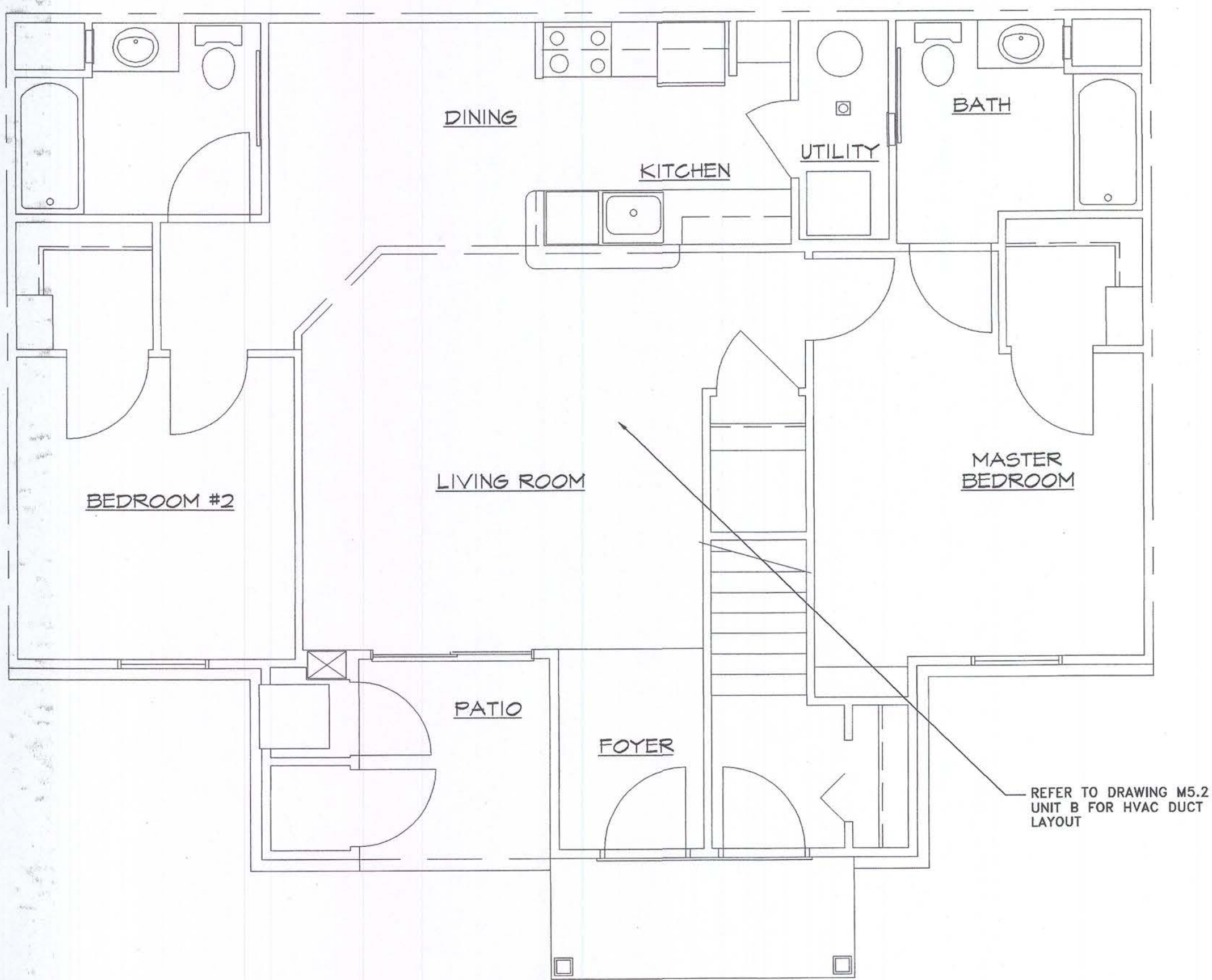
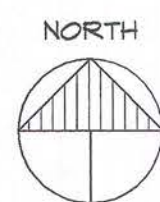
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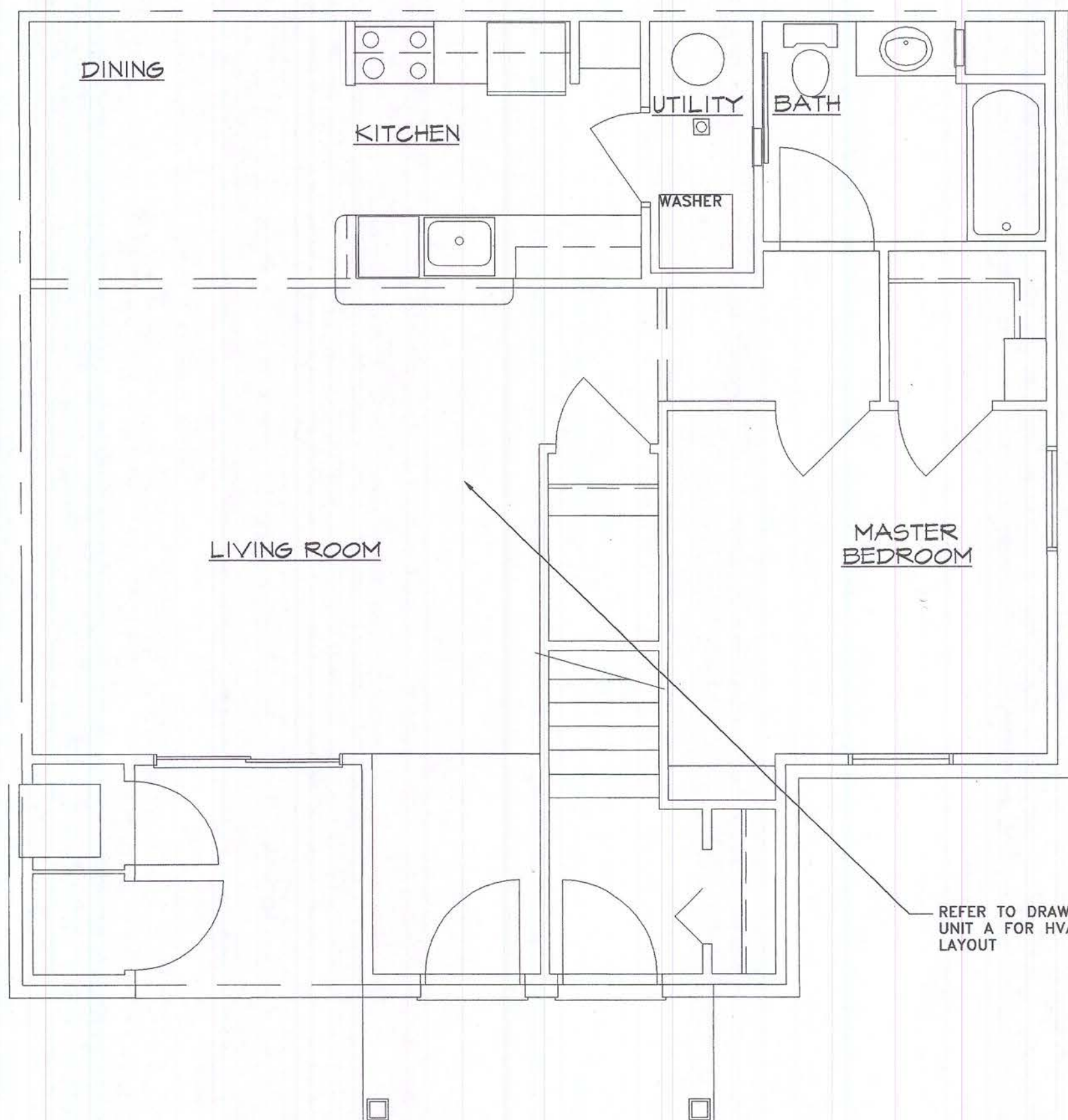
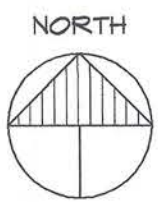
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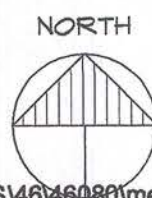
FLOOR PLAN - BF UNIT "D"
SCALE: 1/4" = 1'-0"



FLOOR PLAN - BF UNIT "B"
SCALE: 1/4" = 1'-0"



FLOOR PLAN - BF UNIT "A"
SCALE: 1/4" = 1'-0"



Consultant:



Developer:

FIELEK BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON APARTMENTS

Lestie, Michigan

Sheet Title:

BARRIER FREE UNIT PLANS - "A", "B" & "D" - HVAC

Project Number: **03-161**
Drawn: SA
Checked: SS
Date: 10-8-03
Sheet Number:

M5.5

838 W. Long Lake #250
Bloomfield Hills, MI 48302
248 540-5940 Fax 248 540-4820
Email: pai@progressiveassociates.com



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HVAC UNIT SCHEDULE (APARTMENTS)				
MARK		HVAC-1	HVAC-2	HVAC-3
AREA SERVED		DWELLING UNIT "A" FIRST AND SECOND FLOOR	DWELLING UNIT "B" FIRST AND SECOND FLOOR DWELLING UNIT "C" AND "D" FIRST FLOOR	DWELLING UNIT "C" AND "D" SECOND FLOOR
MANUFACTURER & MODEL No.		MAGIC CHEF MAGIC PAK 38 HWC 183	MAGIC CHEF MAGIC PAK 51 HWC 243	MAGIC CHEF MAGIC PAK 64 HWC 303
BLOWER	TYPE	FORWARD CURVED	FORWARD CURVED	FORWARD CURVED
	CFM	600	800	960
	ESP	0.20	0.30	0.30
	TSP	-	-	-
	RPM	-	-	-
	HP	1/8	1/4	1/2
	ELEC. V/PH/HZ	208/1/60	208/1/60	208/1/60
MCA		13.6	18.6	21.9
MAX. FUSE BRKR.		20	25	30
COILING COIL	TYPE	DX	DX	DX
	ROWS	-	-	-
	MBH TOTAL	17.8	23.6	29.0
EAT (°F)		80/67	80/67	80/67
HEATING COIL	TYPE	NATURAL GAS	NATURAL GAS	NATURAL GAS
	MBH IN	38	51	64
	MBH OUT	30	40	50
FILTERS	TYPE	WASHABLE	WASHABLE	WASHABLE
	SIZE	18x25	18x25	18x25
	MEDIUM	PERMANENT	PERMANENT	PERMANENT
REMARKS		PROVIDE THERMOSTAT AND WALL SLEEVE FOR EACH HVAC UNIT. PROVIDE 15% O.A. FOR EACH HVAC UNIT.		PROVIDE HIGH STATIC MOTOR FOR HVAC-3

GRILLE, REGISTER & DIFFUSER SCHEDULE						
TAG	MANUFACTURER & MODEL No.	SERVICE	MOUNTING	OVERALL SIZE	NECK SIZE	NOTES/ACCESSORIES
S-1	TITUS 300 RS	SAR	SURFACE	9 1/4" x 7 1/4"	8"x6"	A C
S-2	TITUS 300 RS	SAR	SURFACE	11 1/4" x 7 1/4"	10"x6"	A C
S-3	TITUS 301 RL	SAR	SURFACE	-	SEE PLAN	A C
S-4	TITUS 301 RL	SAR	SURFACE	11 1/4" x 7 1/4"	10"x6"	A C
R-1	TITUS 350 RL	RAG	SURFACE	19 1/4x11 1/4	18x10	A C
TG-1	TITUS 350 RL	TAG	SURFACE	11 1/4x11 1/4	10x10	A C
TG-2	TITUS 350 RL	TAG	SURFACE	13 1/4x 7 1/4	12x6	A C
KEY: SAD - CEILING SUPPLY DIFFUSER SAG - CEILING OR WALL SUPPLY GRILLE SAR - CEILING OR WALL SUPPLY REGISTER TAG - CEILING OR WALL TRANSFER GRILLE RAR - CEILING OR WALL RETURN REGISTER RAG - CEILING OR WALL RETURN GRILLE EAR - CEILING OR WALL EXHAUST REGISTER EAG - CEILING OR WALL EXHAUST GRILLE						
NOTES AND ACCESSORIES DESIGNATION						
A	WHITE FINISH		C	OPPOSED BLADE DAMPER		

WATER HEATER SCHEDULE	
MARK	WH-1
MANUFACTURER & MODEL No.	A.O. SMITH GPDH-40 (FPD-40)
TYPE	NATURAL GAS
HEATER TYPE	STORAGE
INPUT	40 CFH
STORAGE CAPACITY	40
RECOVERY RATE	41 GAL @ 90°F RISE/HR
SERVES	APARTMENT A,B,C, D
REMARKS	SERVES APART. PROVIDE T&P VA.

ELECTRICAL UNIT HEATER SCHEDULE		
MARK	EUH-1	EUH-2
MANUFACTURER & MODEL No.	QMARK AWH-4404	QMARK EFF-400B
AREA SERVED	FOYER APARTMENT	WATER METER ROOM
W	----	15-3/4"
D	----	18-3/4"
H	----	2 -1/2"
CAPACITY BTU/HR	10.23	10.23
KW	2.0	2.0
ELEC. V/PH/HZ	208/1/60	208 /1/60
REMARKS	PROVIDE SEMI RECESSED WALL MOUNTED ELECTRIC UNIT HEATER PROVIDE UNIT MOUNTED DISCONNECT SWITCH & INTEGRAL THERMOSTAT	CEILING MOUNTED CABINET ELECTRIC UNIT HEATER PROVIDE UNIT MOUNTED DISCONNECT SWITCH & WALL MOUNTED THERMOSTAT

EXHAUST FAN SCHEDULE	
MARK	EF-1
MANUFACTURER & MODEL No.	ACME VQ80
AREA SERVED	TOILET ROOMS
CFM	70
E.S.P. (W.G.)	0.1
ELEC. V/PH/HZ	120/1/60
HP	48W, (0.5A)
ACCESSORIES	BACKDRAFT DAMPER, WALL CAP W / BIRDSCREEN
REMARKS	INTERLOCK WITH WALL SWITCH. REFER TO DWGS. FOR QUANTITIES.

Consultant:



Developer:

FIELEK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

MECHANICAL
SCHEDULES

Project Number: 03-161

Drawn: SA

Checked: SS

Date: 10-8-03

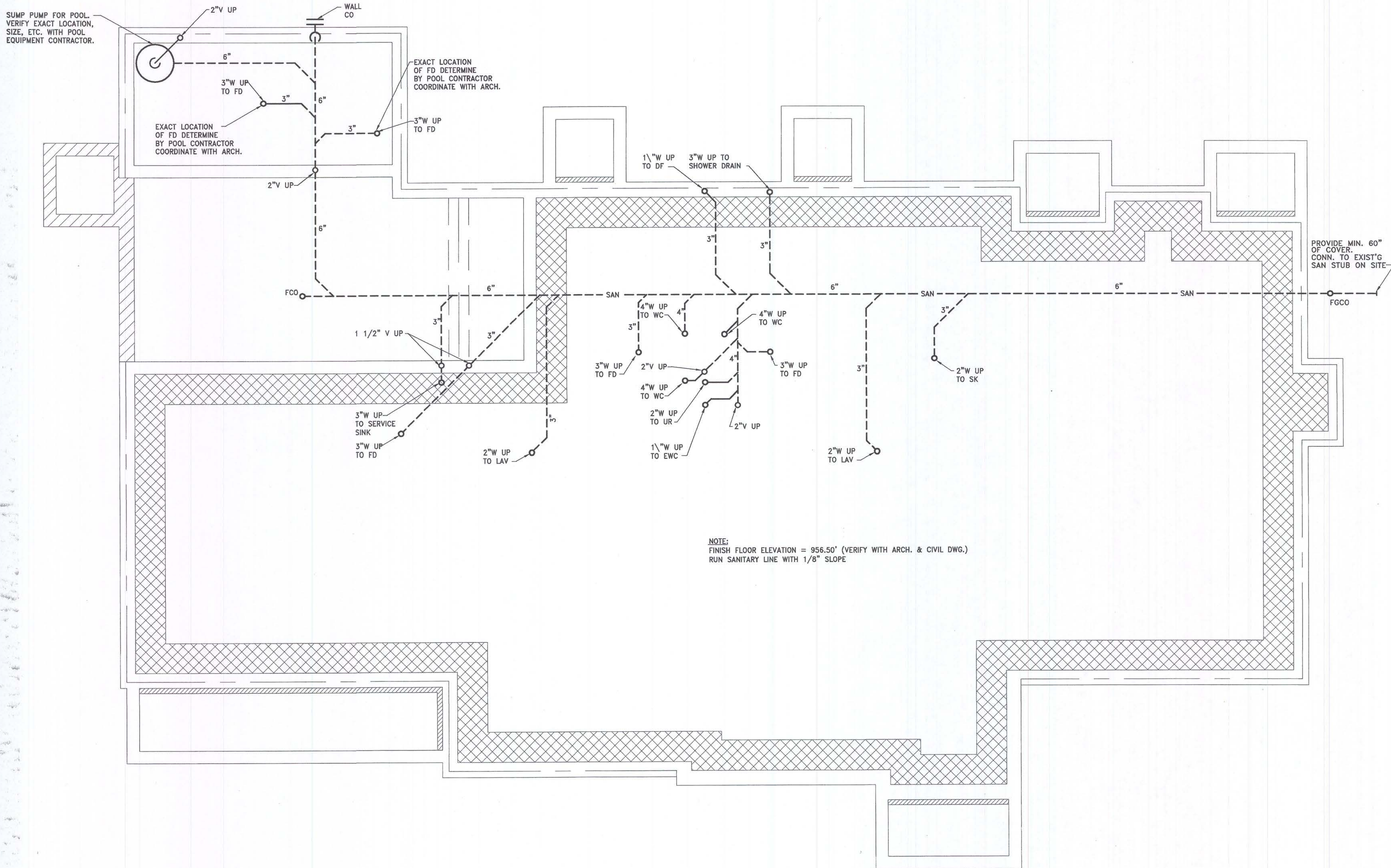
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M6.1

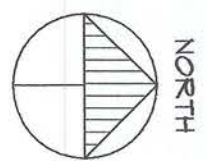


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LEGEND:	
---	COLD WATER
---	HOT WATER
---	HOT WATER RETURN
---	VENT LINE
G	GAS LINE
SAN	SANITARY LINE
⊠	FLOOR DRAIN
⊠	SHUT-OFF VALVE
⊠	CHECK VALVE
⊠	UNION
⊠	GAS COCK
⊠	BALANCING VALVE
⊠	CLEAN-OUT
DR	DRAIN
CO	CLEAN-OUT
FCO	FLOOR CLEAN-OUT
FGCO	FINISH GRADE CLEAN OUT
CFH	CUBIC FEET PER HOUR
DN	DOWN
CONN	CONNECT
I.E.	INVERT ELEVATION
WH	WALL HYDRANT
RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
CUH-	ELECTRIC CABINET UNIT HEATER
WH-	GAS WATER HEATER



CLUBHOUSE UNDERGROUND
PLUMBING-PLAN
SCALE: 1/4" = 1'-0"



Consultant:



Developer:
FIELEK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

CLUBHOUSE
@ WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

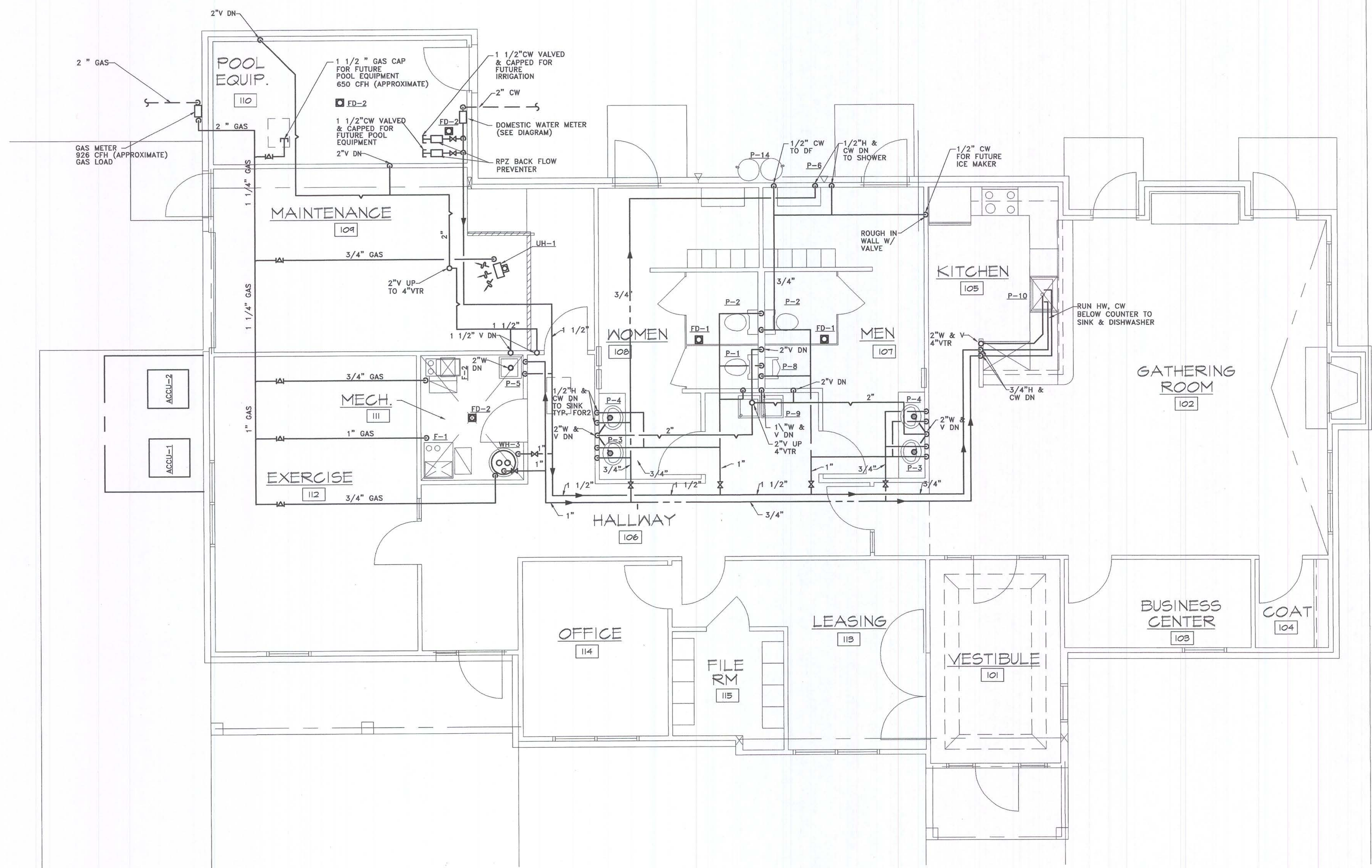
UNDERGROUND
PLUMBING PLAN

Project Number: 03-161
Drawn: SA
Checked: SS
Date: 10-8-03
Sheet Number:

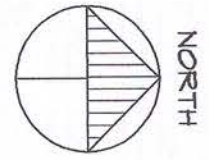
MC1.1



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CLUBHOUSE FLOOR PLAN
- PLUMBING
SCALE: 1/4" = 1'-0"



PLUMBING GENERAL NOTE:
1. PROVIDE "UNDER COUNTER" THERMOSTATIC TEMPERING VALVE SIMILAR TO POWERS MODEL 420-RB-E-L-S TO ALL LAVATORIES AND SHOWERS LOCATED IN MEN AND WOMEN TOILETS. SET TEMPERATURE AT 85°F.
2. COORDINATE LOCATION OF WATER LINES ABOVE CEILING WITH CARPENTRY TRADE.
3. NO WATER LINE SHALL BE LOCATED IN UNHEATED SPACE. SEE ARCH. DWG. FOR WATER LINES CHOOSE IN ATTIC.

Consultant:



Developer:
FIELEK BUILDERS, L.L.C.
South Lyon, Michigan

Project:

CLUBHOUSE
@ WORTHINGTON
APARTMENTS

Lestie, Michigan

Sheet Title:

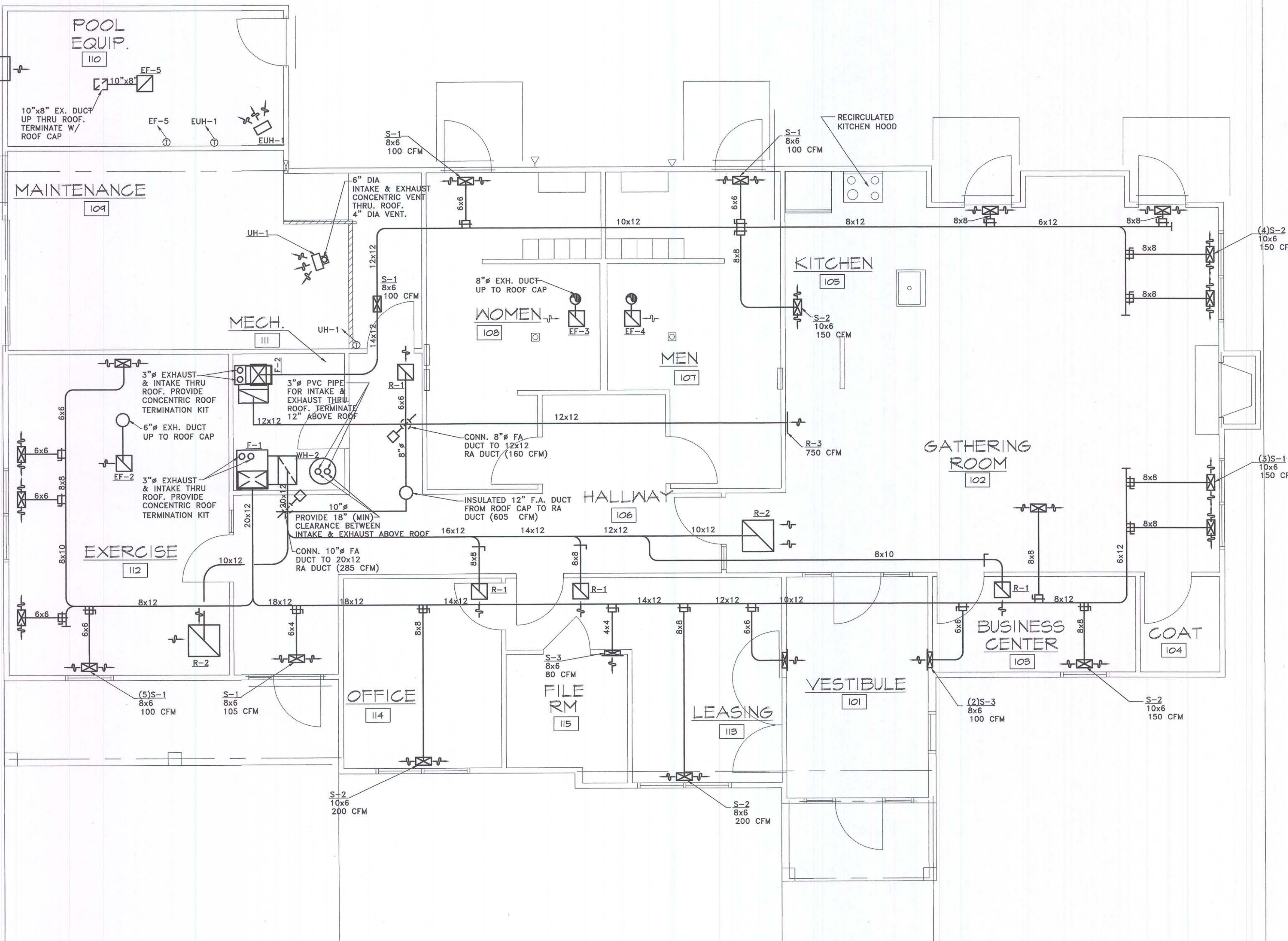
FLOOR PLAN
- PLUMBING

Project Number: 03-161
Drawn: SA
Checked: SS
Date: 10-8-03
Sheet Number:

MC1.2



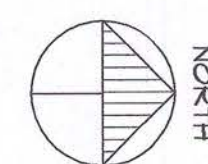
(2) 18"x10"
OPENING FOR
COMBUSTION AIR
HIGH & LOW
(1) 6" BELOW CEILING
(1) 6" AFF
LOWER BY ARCH.
COORDINATE WITH
ARCH. FOR EXACT
LOCATION



LEGEND:

---	COLD WATER
---	HOT WATER
---	HOT WATER RETURN
---	VENT LINE
---	GAS LINE
---	SANITARY LINE
---	FLOOR DRAIN
---	SHUT-OFF VALVE
---	CHECK VALVE
---	UNION
---	GAS COCK
---	BALANCING VALVE
---	CLEAN-OUT
A.F.F.	ABOVE FINISH FLOOR
B.F.C.	BELOW FINISH CEILING
CO	CLEAN-OUT
DR	DRAIN
FCO	FLOOR CLEAN-OUT
FGCO	FINISH GRADE CLEAN OUT
CFH	CUBIC FEET PER HOUR
DN	DOWN
CONN	CONNECT
I.E.	INVERT ELEVATION
WH	WALL HYDRANT
RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
CUH-	ELECTRIC CABINET UNIT HEATER
WH-	GAS WATER HEATER

CLUBHOUSE FLOOR PLAN
- HVAC
SCALE: 1/4" = 1'-0"



Consultant:

MANCINI, ALKATEEB & ASSOCIATES, INC.
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30400 TELEGRAPH ROAD, SUITE 200 (248) 258-1610
BIRMINGHAM, MICHIGAN 48203 FAX (248) 258-6038

Developer:

FIELEK BUILDERS, L.L.C.
South Lyon, Michigan

Project:

CLUBHOUSE @ WORTHINGTON APARTMENTS

Leslie, Michigan

Sheet Title:

**FLOOR PLAN
HVAC**

Project Number: 03-161

Drawn: SA

Checked: SS

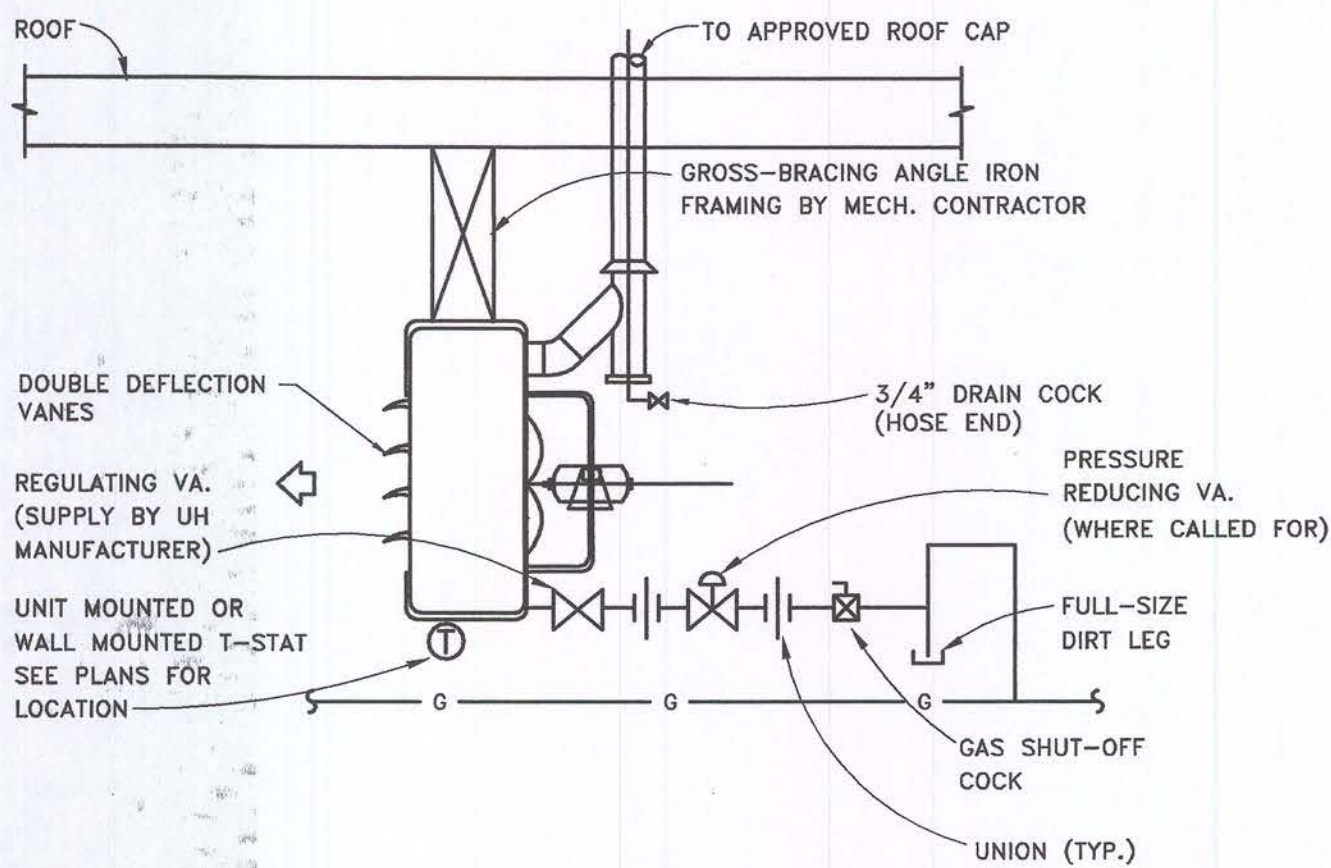
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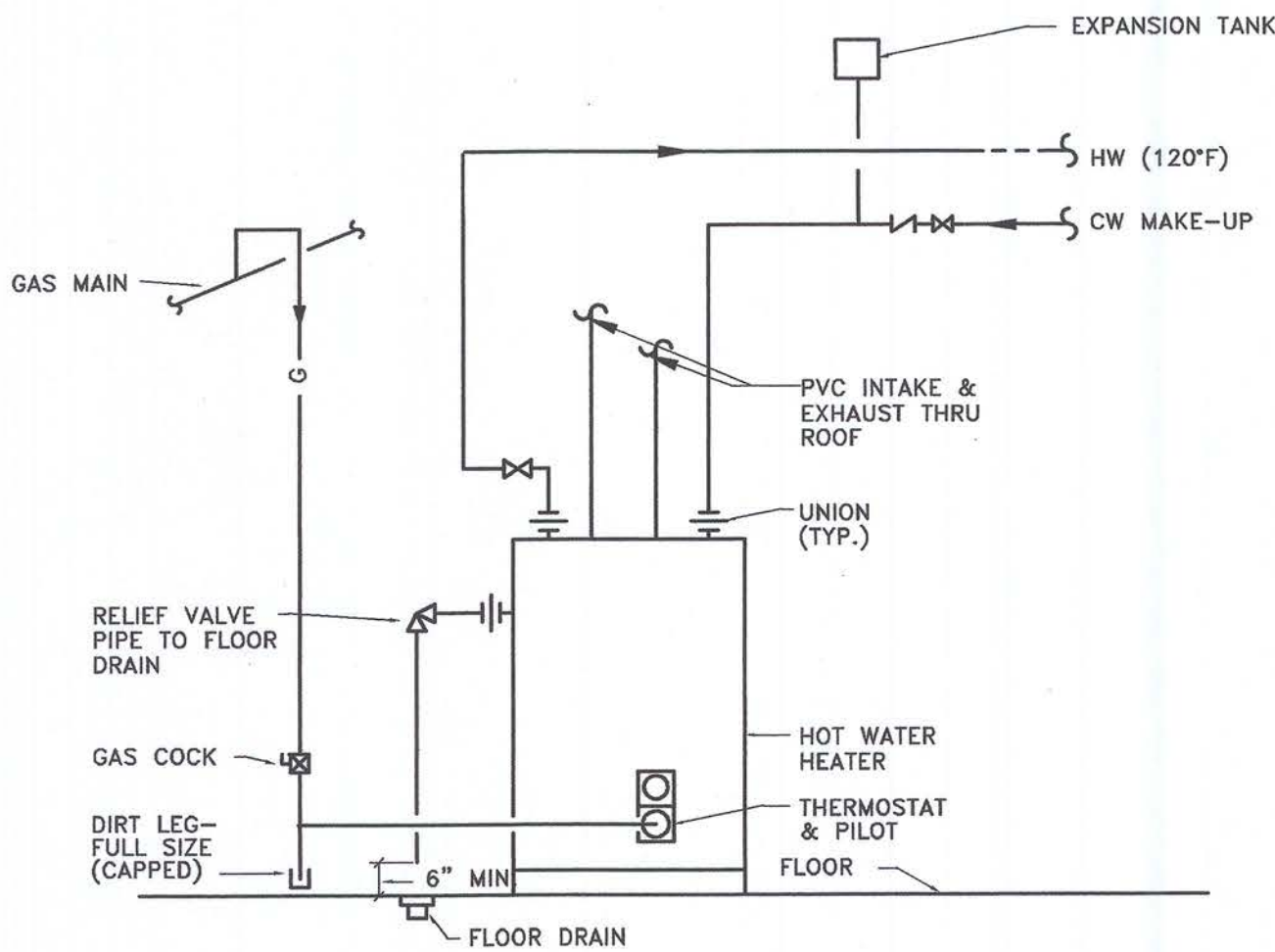
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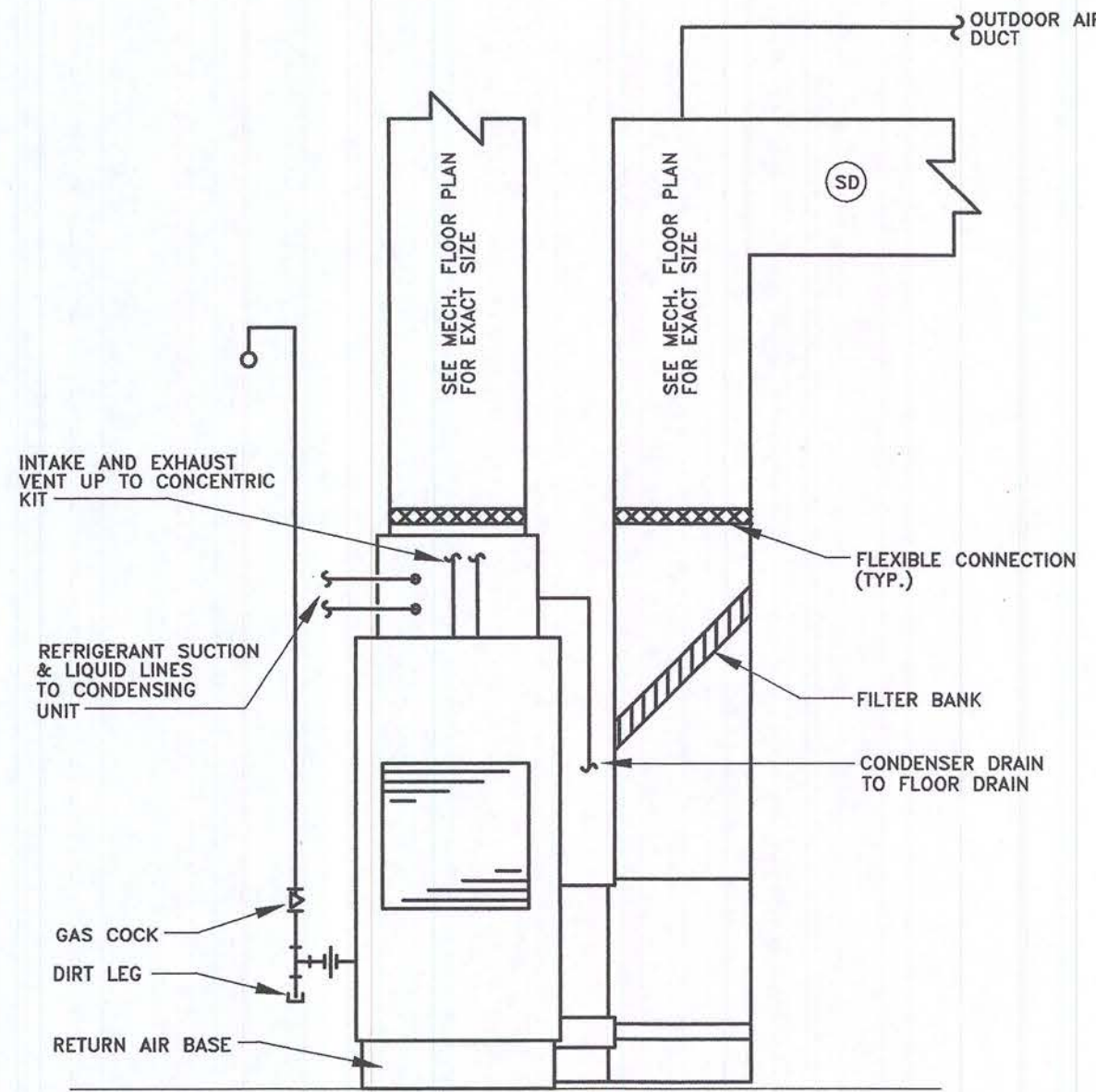
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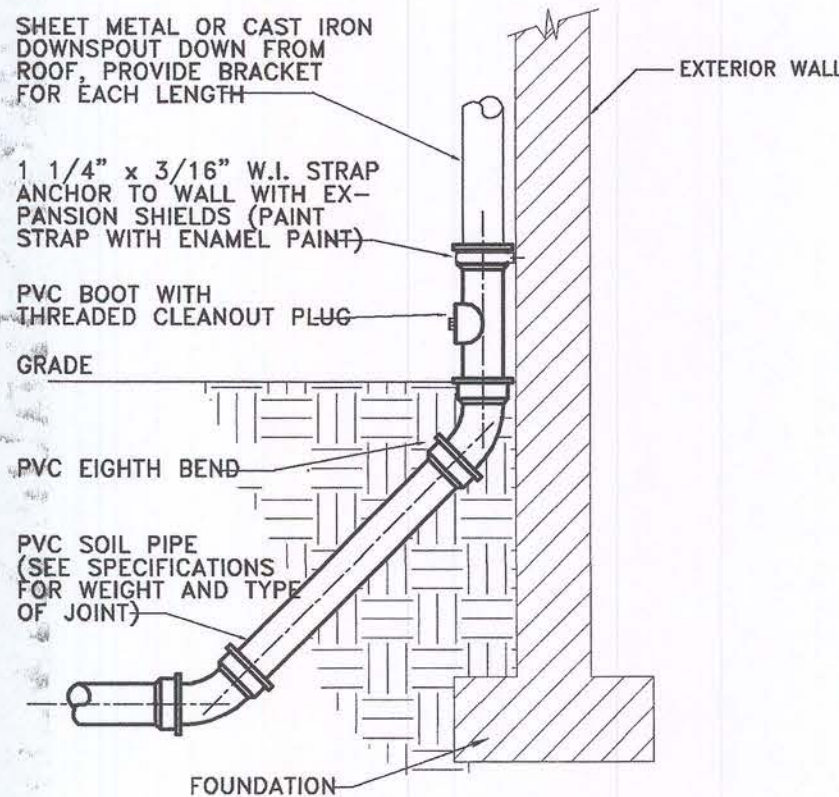
UNIT HEATER DETAIL FOR UH-1
NO SCALE



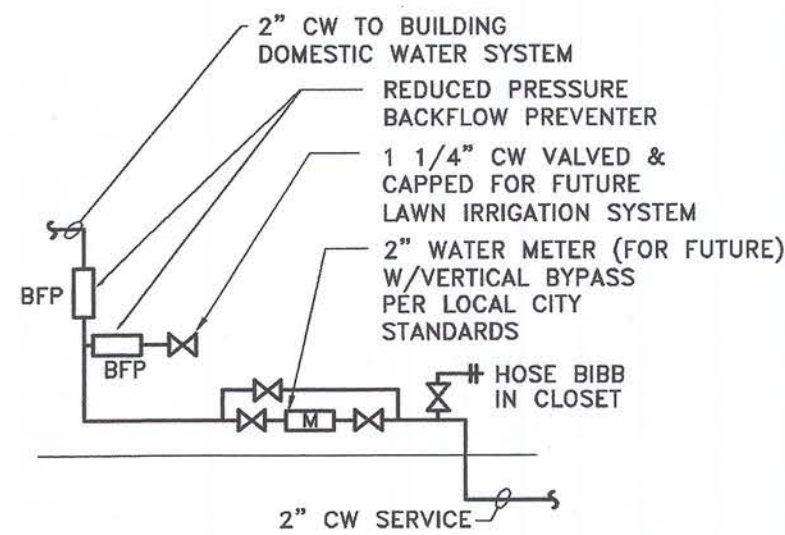
DOMESTIC WATER HEATER PIPING SCHEMATIC
NO SCALE



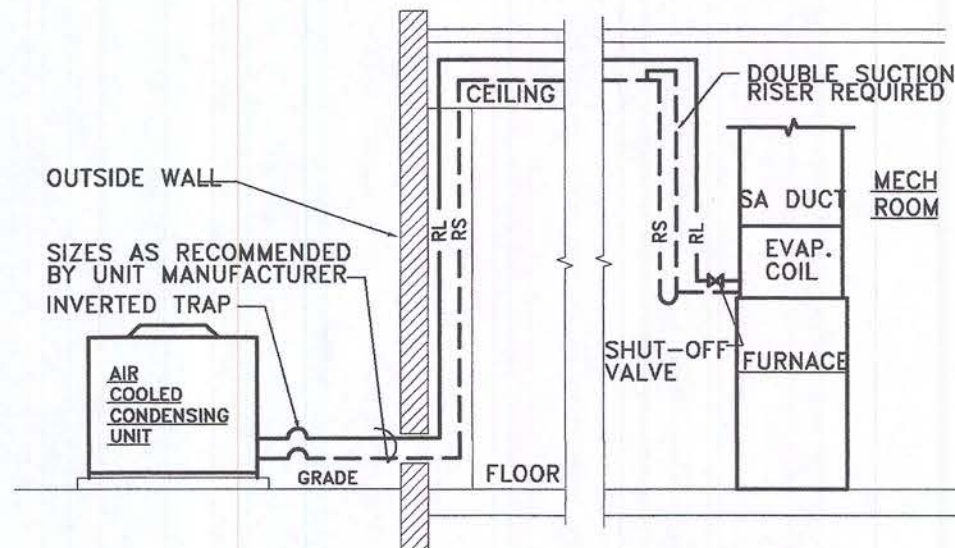
GAS FURNACE DETAIL
NO SCALE



DOWNSPOUT BOOT DETAIL
NO SCALE



TYPICAL WATER METER RISER DIAGRAMS
NO SCALE



NOTE:
INSTALL ALL ACCESSORIES AND
PROVIDE ADDITIONAL SPECIALTIES
RECOMMENDED BY UNIT MANUFACTURER.

REFRIGERANT SCHEMATIC
PIPING DIAGRAM
NO SCALE

LEGEND:

---	COLD WATER
---	HOT WATER
---	HOT WATER RETURN
---	VENT LINE
G	GAS LINE
SAN	SANITARY LINE
---	FLOOR DRAIN
---	SHUT-OFF VALVE
---	CHECK VALVE
---	UNION
---	GAS COCK
---	BALANCING VALVE
---	CLEAN-OUT

AFF	ABOVE FINISH FLOOR
DR	DRAIN
DS	DOWN SPOUT
CO	CLEAN-OUT
FCO	FLOOR CLEAN-OUT
FGCO	FINISH GRADE CLEAN OUT
CFH	CUBIC FEET PER HOUR
DN	DOWN
CONN	CONNECT
I.E.	INVERT ELEVATION
WH	WALL HYDRANT
RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
CUH-	ELECTRIC CABINET UNIT HEATER
SAN	SANITARY
W	WASTE
WH-	GAS WATER HEATER

Consultant:



Developer:

FIELEK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

CLUBHOUSE
@ WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

MECHANICAL
DETAILS

Project Number: 03-161

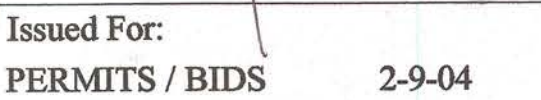
Drawn: SA

Checked: SS

Date: 10-8-03

Sheet Number:

MC3.1



AIR COOLED CONDENSING UNIT SCHEDULE			
MARK		ACCU-1	ACCU-2
MANUFACTURER & MODEL No.		LENNOX HS-29-060-208/1	LENNOX HS-29-060-208/1
UNIT SERVED		CC-1	CC-2
CAPACITY MBH		59.13	35.23
SUCTION TEMPERATURE		45°F	45°F
O.A. TEMPERATURE		95°F	95°F
ELEC. V/PH/Hz		208 /1/60	208 /1/60
MCA		37.9	21.1
REMARKS		ACCESSORIES: 60 AMPS MAX FUSE SIZE MOUNTING BASE LOW AMBIENT CONTROL DISCONNECT SWITCH STARTER AND ASSOCIATED CONTROL	ACCESSORIES: 35 AMPS MAX FUSE SIZE MOUNTING BASE LOW AMBIENT CONTROL DISCONNECT SWITCH STARTER AND ASSOCIATED CONTROL

COOLING COIL SCHEDULE			
MARK		CC-1	CC-2
MANUFACTURER & MODEL NO.		LENNOX	LENNOX
CAPACITY	CFM	1885	1050
	TOTAL MBH	59.13	35.23
	SENSIBLE MBH	44.85	28.2
	ROWS	3	2
	DIMENSION	21"Wx21"D"x31.5"H	14.5W"x21"D"x24.5"H
APD		-	-
EAT.		80/67	80/67
REMARKS			

GAS FIRED UNIT HEATER		
MARK		UH-1
MANUFACTURER AND MODEL No.		REZNOR UDAP-30
CFM		500
MOTOR HP		1/50
ELEC. V/PH/HZ		120/1/60
FLUE	TYPE	NATURAL GAS
	INPUT	30 MBH
	OUTPUT	24.5 MBH
REMARKS		PROVIDE MANUAL SHUT-OFF VALVE UNION & WALL MOUNTED THERMOSTAT. POWER VENT AND MOUNTING ACCESSORIES.

WATER HEATER SCHEDULE	
MARK	WH-2
MANUFACTURER & MODEL No.	A.O. SMITH GPDx-75 (FPD-75)
TYPE	NATURAL GAS
HEATER TYPE	STORAGE
INPUT	70 CFH
STORAGE CAPACITY	75
RECOVERY RATE	72 GAL @ 90°F RISE/HR
SERVES	SERVES CLUBHOUSE
REMARKS	

ELECTRICAL UNIT HEATER SCHEDULE			
MARK		EUH-1	
MANUFACTURER & MODEL No.		QMARK MUJOS-81	
AREA SERVED		POOL EQUIPMENT ROOM	
W		14"	
D		11-1/4"	
H		12-1/2"	
CAPACITY BTU/HR		---	
KW		5.0	
ELEC. V/PH/HZ		208/1/60	
REMARKS		PROVIDE WALL MOUNTED THERMOSTAT, MOUNTING BRACKET, DISCONNECT AUTOMATIC RESET THERMAL CUTOUT	

EXHAUST FAN SCHEDULE			
MARK	EF-2	EF-3 & 4	EF-5
MANUFACTURER & MODEL No.	ACME VQ200	ACME VQ100	ACME V900
AREA SERVED	CLUBHOUSE EXERCISE ROOM	CLUBHOUSE, TOILETS	CLUBHOUSE EQUIPMENT ROOM
CFM	200	150	300
E.S.P. (W.G.)	0.25	0.25	0.25
ELEC. V/PH/Hz	120/1/60	120/1/60	120/1/60
HP	127W, (1.8 A)	100W, (1.3A)	212W, (2.6A)
ACCESSORIES	SPEED CONTROL WALL SWITCH VC14 CAP	BACKDRAFT DAMPER, WALL CAP W/ BIRDSCREEN	BACKDRAFT DAMPER, WALL CAP W/ BIRDSCREEN
REMARKS	INTERLOCK WITH FURNACE (F-1)	INTERLOCK WITH LIGHT SWITCH.	INTERLOCK WITH INDIVIDUAL SWITCH



**FIELEK
BUILDERS, L.L.C.**
South Lyon, Michigan

CLUBHOUSE
@ WORTHINGTON
APARTMENTS

Leslie, Michigan

MECHANICAL SCHEDULES

Drawn: SA

Checked: SS

Date: 10-8-03

Sheet Number:

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

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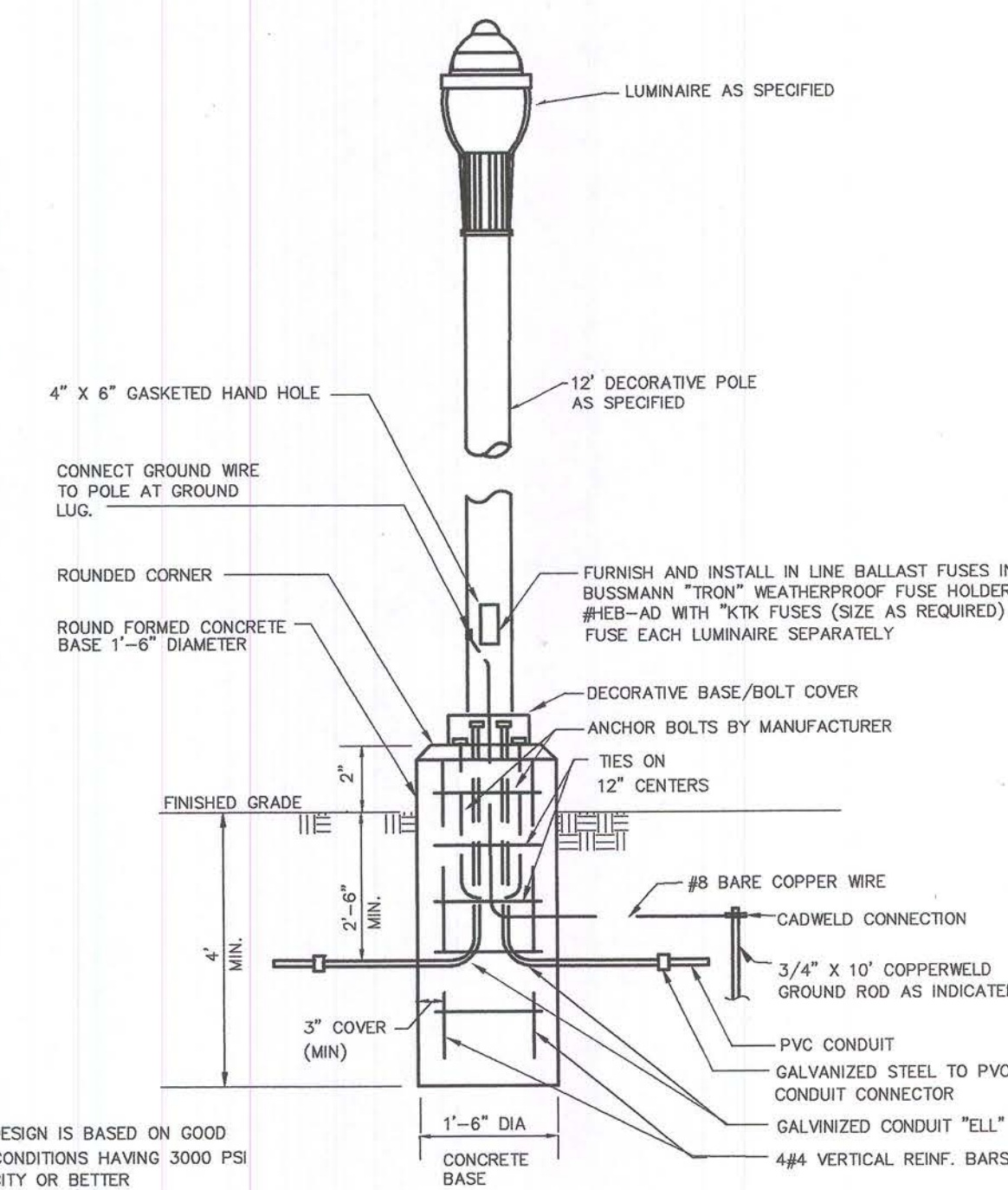
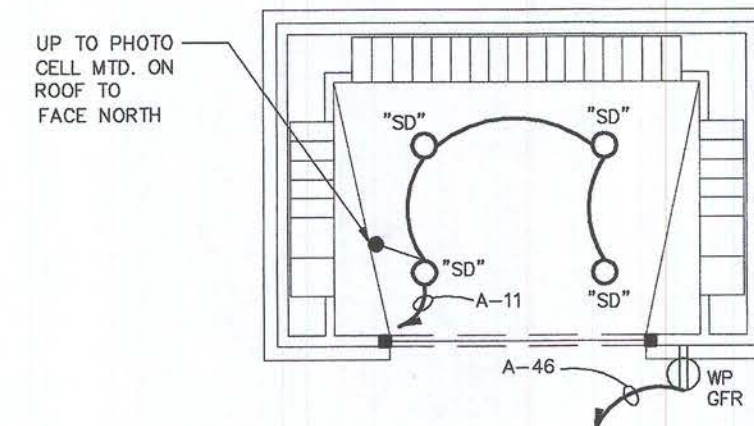
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Issued For:
PERMITS / BIDS 2-9-04

MAILBOX KIOSK ELECTRICAL PLAN

NO SCALE



NOTE:
THIS DESIGN IS BASED ON GOOD
SOIL CONDITIONS HAVING 3000 PSI
CAPACITY OR BETTER

SITE LIGHTING FIXTURE DETAIL-TYPE "SA"

NOT TO SCALE

SITE LIGHTING FIXTURE SCHEDULE

- "SA" OUTDOOR DECORATIVE POLE MOUNTED H.I.D. SINGLE HEAD ACORN LIGHTING FIXTURE, CAST ALUMINUM HOUSING, TYPE III DISTRIBUTION, CLEAR PATTERNED POLYCARBONATE GLOBE, 12" HIGH ALUMINUM POLE, DARK BRONZE FINISH, 208V HPF BALLAST & (1)-175W METAL HALIDE LAMP. SUN VALLEY #42-1040-12/LAE1-175MH-PT-DBZ-208/MH175/U OR APPROVED EQUAL.
- "SB" OUTDOOR H.I.D. WALL MOUNTED LIGHTING FIXTURE, CORROSION RESISTANT DIE CAST ALUMINUM BODY, SPECULAR ANODIZED ALUMINUM REFLECTOR, PRISMATIC BOROSILICATED GLASS REFRACTOR, DARK BRONZE FINISH, FULL SHIELD, 208V HPF BALLAST & (1)-250W METAL HALIDE LAMP. LITHONIA #TWH-250M-208-FS-LPI-DD8 OR APPROVED EQUAL.
- "SC" OUTDOOR H.I.D. BASE MOUNTED FLOOD LIGHTING FIXTURE, DIE CAST ALUMINUM HOUSING, CLEAR TEMPERED GLASS, KNUCKLE MOUNTED, RB DISTRIBUTION, DARK BRONZE FINISH, 120V HPF BALLAST & (1)-70W METAL HALIDE LAMP. LITHONIA #TFM-70M-RB-120-LPI OR APPROVED EQUAL.
- "SD" OUTDOOR RECESSED ROUND H.I.D. FIXTURE WITH REGRESSED FRESNEL LENS, HPF 120 V. BALLAST & (1)-50W. METAL HALIDE LAMP. HALO # M7001-720 S-1773P.

Consultant:

MANCINI, ALKATEEB & ASSOCIATES, INC.
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
3040 TELEGRAPH ROAD, SUITE 200
BIRMINGHAM, MICHIGAN 48205 FAX (248) 258-8200

Developer:

FILELK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

SITE PLAN
- ELECTRICAL

Project Number: 03-161

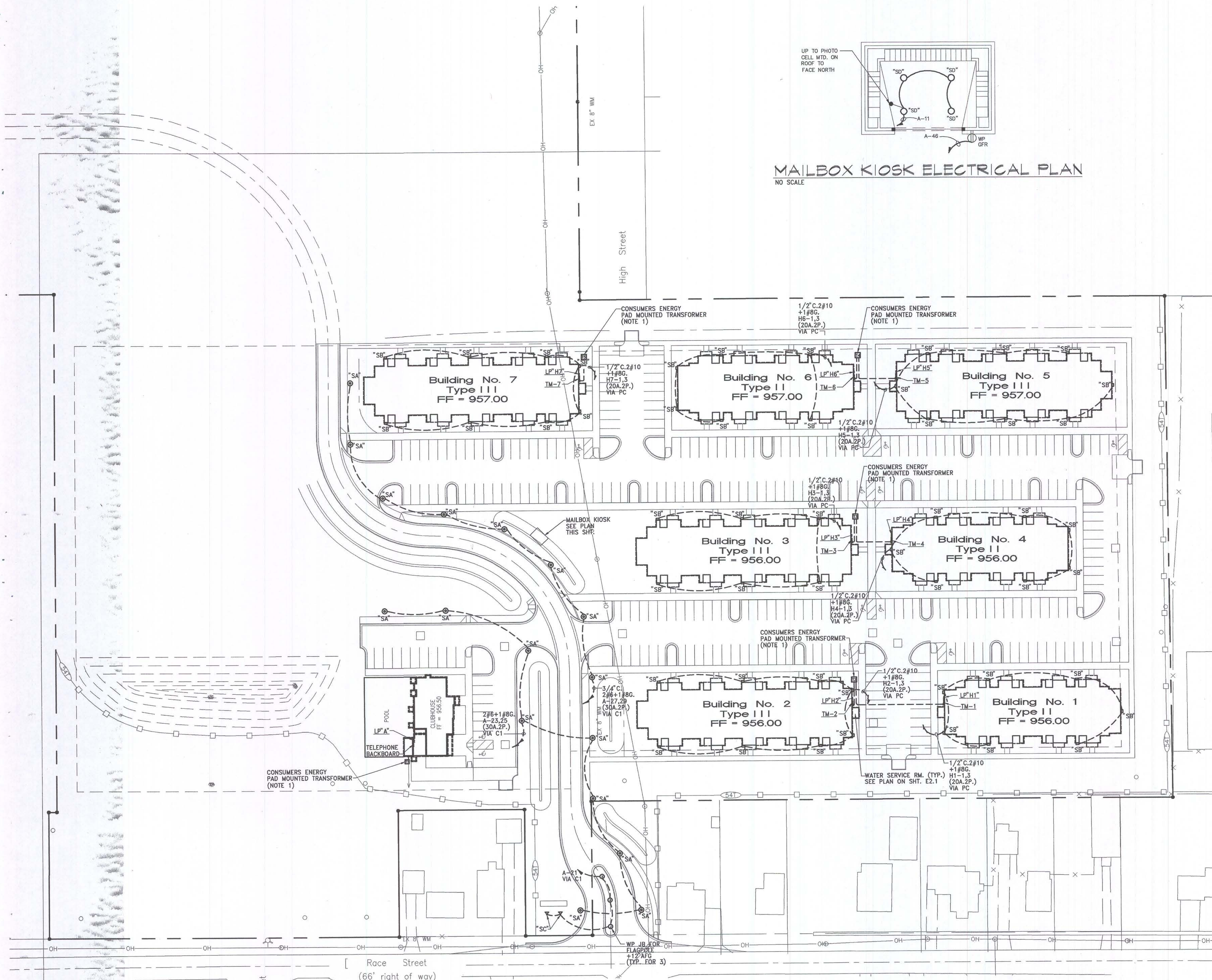
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Checked: RK

Date: 10-8-03

Sheet Number:

E1.1



SITE PLAN - ELECTRICAL

SCALE: 1"=50'-0"



NOTE:

1. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT QUANTITIES AND LOCATIONS OF UTILITY COMPANY SERVICE TRANSFORMERS WITH CONSUMERS ENERGY AND MAKE ANY ADJUSTMENTS REQUIRED TO HIS BASE BID DUE TO THESE QUANTITIES AND LOCATIONS.



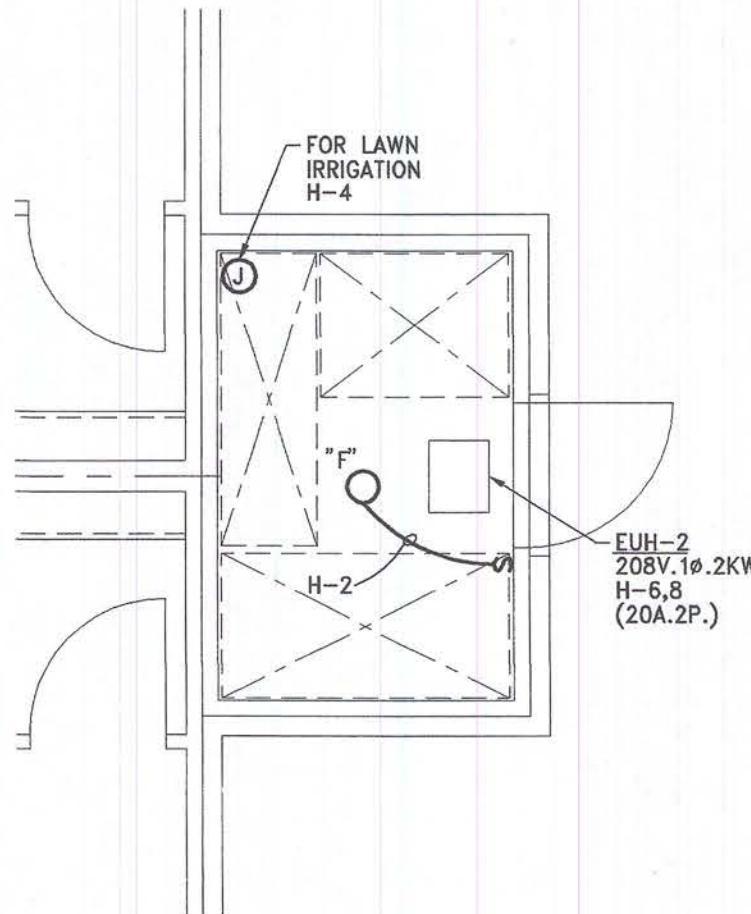
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ELECTRICAL NOTES:

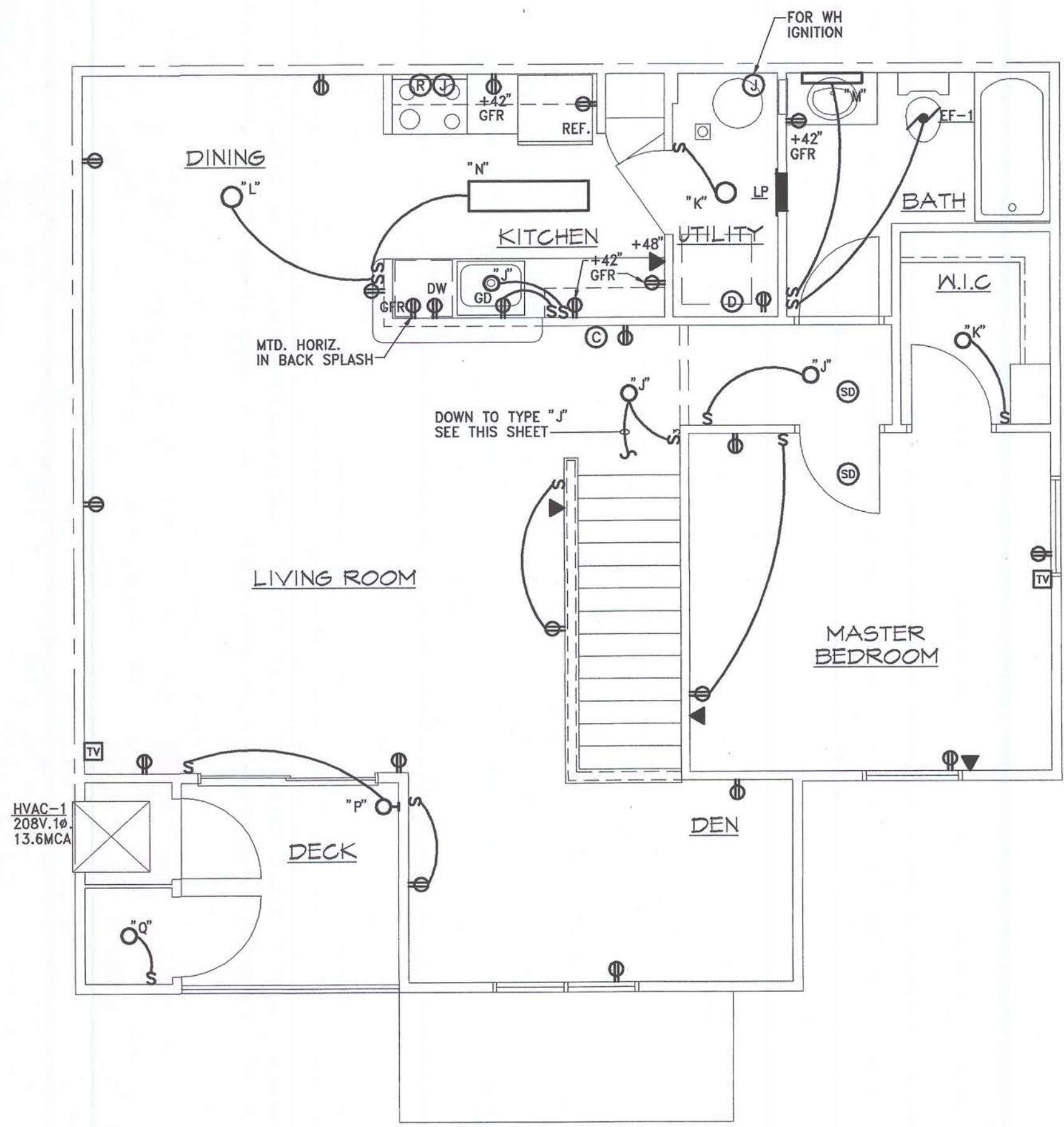
1. WHERE MORE THAN ONE SMOKE DETECTOR IS INSTALLED IN A SINGLE DWELLING UNIT, THEY SHALL BE INTERCONNECTED SUCH THAT IF ONE GOES INTO ALARM, ALL DETECTORS WITHIN THAT UNIT GO INTO ALARM.
 2. PHOTOELECTRIC SMOKE DETECTORS SHALL BE FED FROM THE BUILDING ELECTRICAL SYSTEM AND SHALL HAVE BATTERY BACKUP.
 3. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF THE TELEPHONE & AND T.V. OUTLETS WITH THE DEVELOPER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
 4. ALL ELECTRICAL SWITCH AND OUTLET BOXES LOCATED IN FIRE RATED WALLS AND CEILING ASSEMBLIES SHALL BE UL LISTED FOR THEIR USE. NON-METALLIC BOXES USED IN DOUBLE AND STAGGERED STUD WALLS SHALL BE SPECIFICALLY LISTED FOR USE IN STAGGERED STUD CONSTRUCTION.
- NON-METALLIC BOXES SHALL BE HORIZONTALLY SEPARATED IN ACCORDANCE WITH THEIR LISTING WHEN LOCATED ON OPPOSITE SIDES OF A FIRE RATED SEPARATION WALL.
- LISTED METALLIC SWITCH & OUTLET BOXES INSTALLED IN ACCORDANCE WITH THEIR LISTING MAY BE USED IN FIRE RATED WOOD STUD WALLS. METALLIC BOXES LOCATED ON OPPOSITE SIDES OF SINGLE STUD WALLS OR PARTITIONS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 IN.
- THIS MIN SEPARATION DISTANCE BETWEEN METALLIC BOXES MAY BE REDUCED WHEN APPROVED U.L. LISTED "PUTTY PADS" ARE INSTALLED ACCORDING TO THE REQUIREMENTS OF THEIR CLASSIFICATION. METALLIC BOXES SHALL NOT BE INSTALLED ON OPPOSITE SIDES OF FIRE RATED WALLS OF DOUBLE OR STAGGERED STUD CONSTRUCTION, REGARDLESS OF THE SEPARATION DISTANCE, UNLESS APPROVED U.L. LISTED "PUTTY PADS" ARE INSTALLED WITH THE METALLIC BOXES IN ACCORDANCE WITH THE REQUIREMENTS OF THEIR CLASSIFICATION.
- WHERE ELECTRICAL BOXES ON OPPOSITE SIDES OF A DOUBLE OR STAGGERED STUD FIRE RATED SEPARATION WALL CANNOT BE OFFSET IN ACCORDANCE WITH THEIR LISTING, PROVIDE U.L. LISTED BOXES BLOCK OFF THE STUD SPACE ABOVE & BELOW THE BOX, AND APPLY 5/8" TYPE 'K' GYP BD ON THE BACK SIDE. SEAL THE ELECTRICAL WIRE PENETRATION INTO THE BOX SPACE. SEE DETAILS ON THE ARCH DRAWINGS.
- DO NOT INSTALL ELECTRICAL BOXES ON OPPOSITE SIDES OF A FIRE RATED WALL BACK TO BACK.
6. PROVIDE RECEPTACLES INSTALLED PER NEC 210-52
 7. CLOTHES CLOSET LIGHTS SHALL BE LOCATED SO AS TO COMPLY WITH NEC 410-8
 8. PROVIDE PERMANENT SIGNAGE FOR METER UNIT NO'S.
 9. REFER TO ARCH DRWG'S FOR ELECTRICAL CONTROL AND OUTLET MOUNTING HEIGHTS.

LIGHTING FIXTURE SCHEDULE:

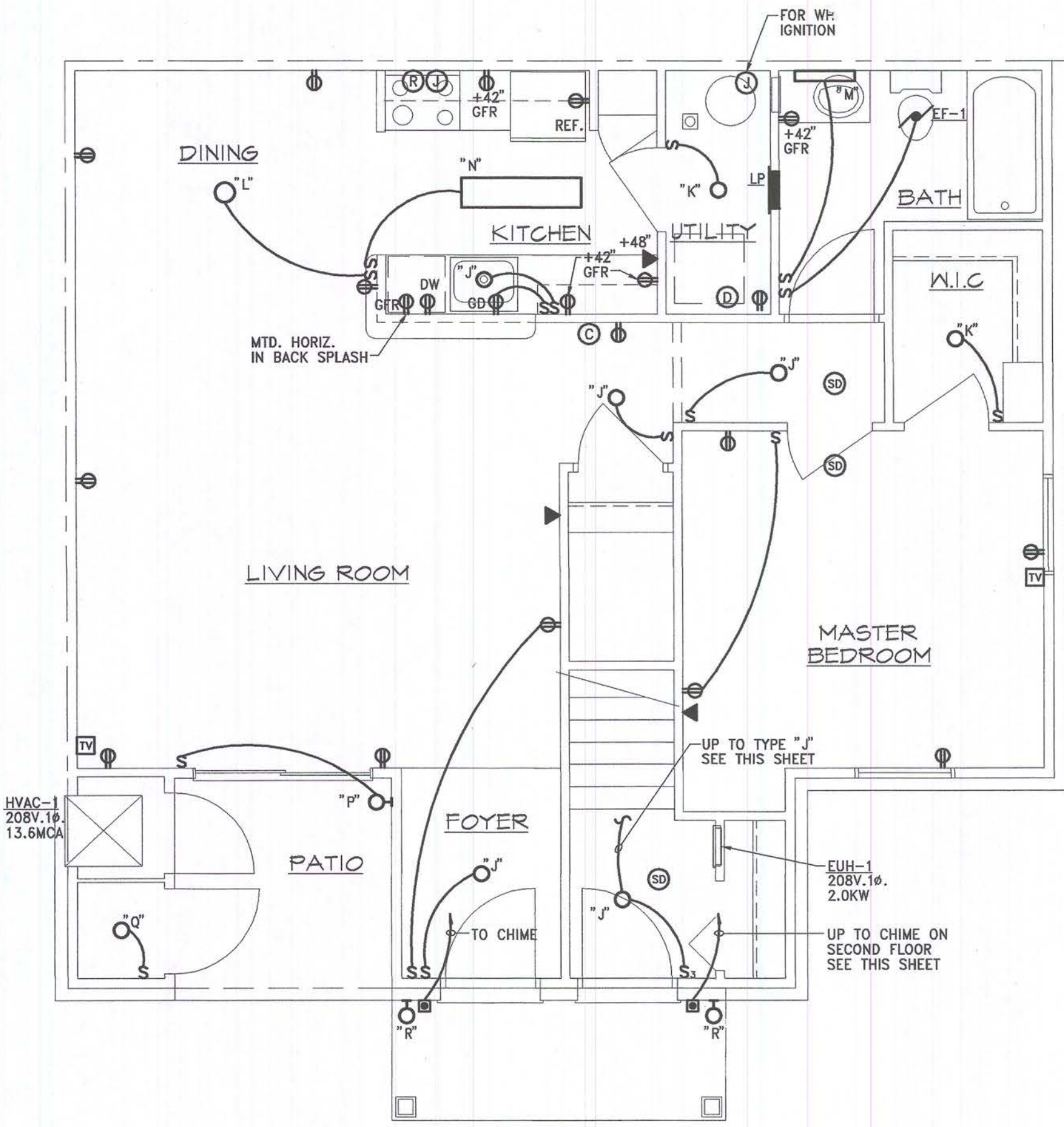
- "A" FLUORESCENT SURFACE MOUNTED 4' LONG WRAPAROUND LIGHTING FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 120V, ELECTRONIC BALLAST & (2)-F32 T8 LAMPS. COLUMBIA #BXN-4-232-EBBLH-120, LITHONIA OR METALUX.
- "B" FLUORESCENT WALL MOUNTED 4' LONG ABOVE MIRROR LIGHTING FIXTURE, HALF ROUND MOUNTING ACCENTS WHITE ACRYLIC DIFFUSER, POLISHED BRASS FINISH, 120V, HFF BALLAST & (2)-F32 T8 LAMPS. PROGRESS #PT14M10CB, LITHONIA OR SEAGULL.
- "C" INCANDESCENT RECESSED 6" DIA. ROUND DOWNLIGHT, ALUMINUM HOUSING, CLEAR ALZAK REFLECTOR & (1)-75W A19 LAMP. PRESOLITE #INC600-ST1602, LITHONIA OR HALO.
- "D" SAME AS TYPE "C" EXCEPT 8"DIA., WITH SLOPED CEILING ADAPTOR & (1)-150W A21 LAMP. PRESOLITE #INC600-ST1602-SCAB, LITHONIA OR HALO.
- "DI" SAME AS TYPE "D" EXCEPT WITHOUT SLOPED CEILING ADAPTOR. PRESOLITE #INC600-ST1602, LITHONIA OR HALO.
- "EA" HALOGEN WALL MOUNTED THERMOPLASTIC EMERGENCY LIGHTING UNIT, WHITE FINISH, LEAD CALCIUM BATTERY & (2)-12W 12V HALOGEN HEADS. LITHONIA #ELM4-H1212, PRESOLITE OR SURE-LITES.
- "FB" INCANDESCENT SURFACE MOUNTED 12"DIA DRUM LIGHTING FIXTURE, OPAL GLASS LENS, WHITE FINISH & (2)-75W A-19 LAMPS. PRESOLITE #4468-60, LITHONIA OR HALO.
- "G" OUTDOOR INCANDESCENT WALL MOUNTED LIGHTING FIXTURE, ALUMINUM FINISH, GLOBE OPAL DIFFUSER & (1)-60W A19 LAMP. PRESOLITE #B304, LITHONIA OR HALO.
- "H" FLUORESCENT SURFACE MOUNTED 4' LONG INDUSTRIAL LIGHTING FIXTURE, STEEL HOUSING, SOLID TOP REFLECTOR, DAMP LOCATION RATED, 120V, ELECTRONIC BALLAST & (2)-F32 T8 LAMPS. COLUMBIA #CSR-4-232-EBBLH-120-DL, LITHONIA OR METALUX.
- "I" INCANDESCENT CEILING MOUNTED 9-1/2"DIA. ROUND LIGHTING FIXTURE, POLISHED BRASS FINISH, WHITE GLASS LENS & (2)-60W A19 LAMPS. SEA GULL #5228-02, PROGRESS OR THOMAS.
- "K" INCANDESCENT CEILING MOUNTED 6"DIA. GLOBE LIGHTING FIXTURE, WHITE FINISH, WHITE GLASS LENS & (1)-60W A19 LAMP. SEA GULL #5440-15, PROGRESS OR THOMAS.
- "L" INCANDESCENT PENDANT MOUNTED 15-1/2" DIA. LIGHTING FIXTURE, POLISHED BRASS FINISH, SATIN WHITE GLASS LENS & (1)-150W A21 LAMP. SEA GULL #6618-33, PROGRESS OR THOMAS.
- "M" INCANDESCENT WALL MOUNTED 2' LONG BATH LIGHTING FIXTURE, WHITE FINISH, WHITE CERAMIC GLASS & (1)-150W A21 LAMP. SEA GULL #6618-33, PROGRESS OR THOMAS.
- "N" FLUORESCENT SURFACE MOUNTED LIGHTING FIXTURE WHITE FINISH, WHITE ACRYLIC DIFFUSER, 120V, ELECTRONIC BALLAST & (4)-F40 T12 LAMPS. SEA GULL #5415-15-L, PROGRESS OR THOMAS.
- "P" OUTDOOR INCANDESCENT WALL MOUNTED LIGHTING FIXTURE, DIE CAST ALUMINUM HOUSING, SATIN ALUMINUM FINISH, WHITE GLASS & (1)-100W LAMP. THOMAS #875-3, SEA GULL OR PROGRESS.
- "Q" OUTDOOR INCANDESCENT SURFACE MOUNTED LIGHTING FIXTURE, DIE CAST ALUMINUM HOUSING, SATIN ALUMINUM FINISH, WHITE GLASS & (1)-60W LAMP. THOMAS #874-3, SEA GULL OR PROGRESS.
- "R" OUTDOOR COMPACT FLUORESCENT WALL MOUNTED LIGHTING FIXTURE, WHITE CAST ALUMINUM FINISH, WHITE GLASS, INTEGRAL PHOTO CELL, 120V, ELECTRONIC BALLAST & (1)-15W QUAD LAMP. SEA GULL #8488-15-L-E, PROGRESS OR THOMAS.
- "X" LED, QUANTUM SERIES, UNIVERSAL MOUNTING, THERMOPLASTIC EMERGENCY TYPE EXIST SIGN, STENCIL SINGLE FACE, WHITE HOUSING, RED PANEL, 120V, & NI-CAD BATTERY. LITHONIA #LQM-S-X-1-R-120-ELN, PRESOLITE OR SURE-LITES.



WATER SERVICE ROOM (TYP.-ALL BLDGS.)
SCALE: 1/4" = 1'-0"



SECOND FLOOR UNIT "A"
SCALE: 1/4" = 1'-0"



FIRST FLOOR UNIT "A"
SCALE: 1/4" = 1'-0"

Consultant:



Developer:

FILEK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

1ST & 2ND FLOOR
UNIT "A" PLANS
- ELECTRICAL

Project Number: 03-161
Drawn: EK
Checked: RK
Date: 10-8-03
Sheet Number:

E2.1

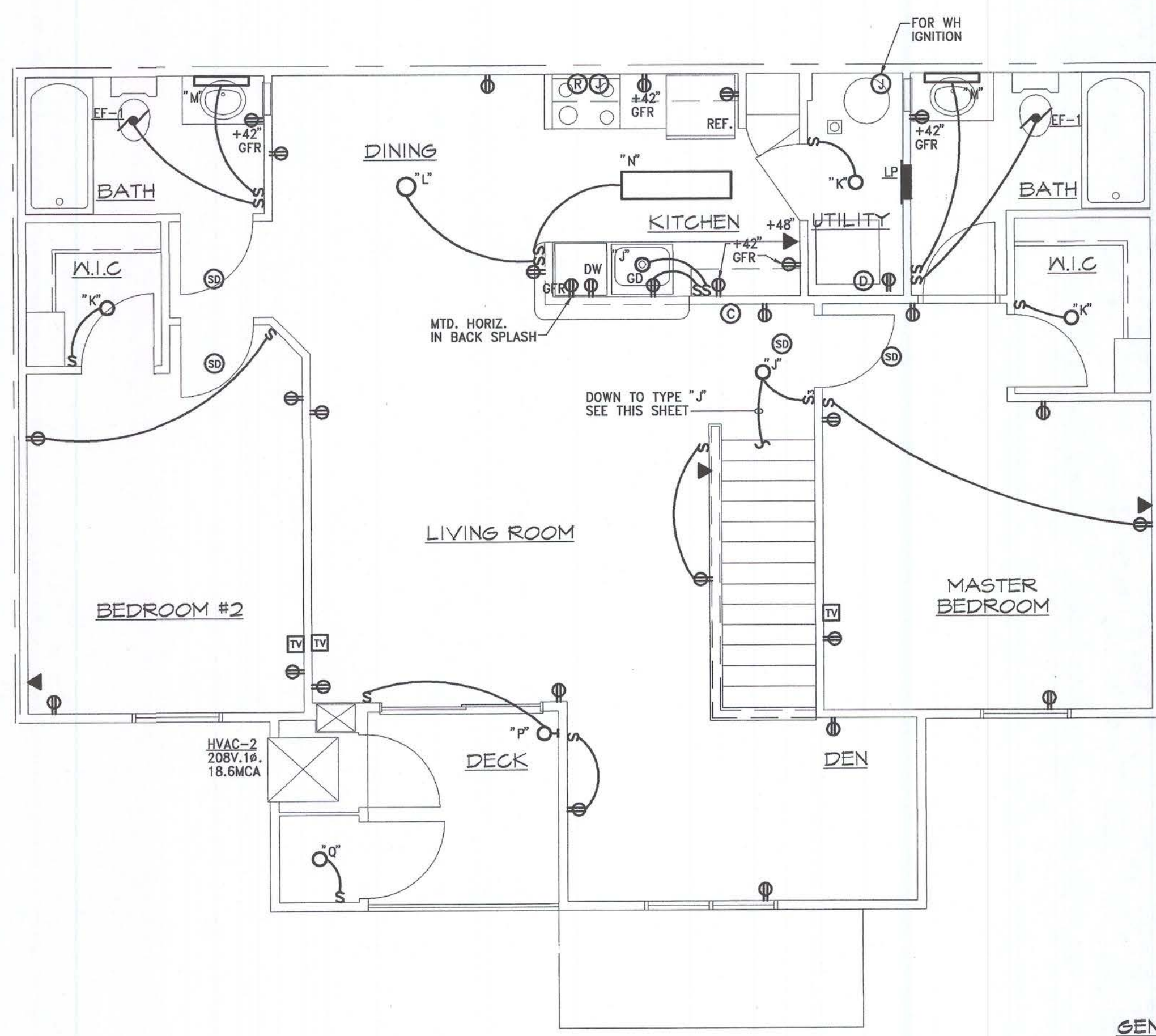


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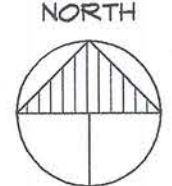
ELECTRICAL LEGEND *

"A"	FIXTURE TYPE	⚡	MOTOR - SINGLE PHASE
—	FLUORESCENT STRIP LIGHTING FIXTURE	⚡	MOTOR - THREE PHASE
□	FLUORESCENT LIGHTING FIXTURE	⏚	TRANSFORMER
□	H.I.D., INCANDESCENT, OR COMPACT FLUORESCENT LTG. FIXTURE	⏚	CONTACTOR
⊕	WALL MOUNTED LIGHTING FIXTURE	▨	DISTRIBUTION PANEL
⊕	EXIT LIGHTING FIXTURE	⏚	LIGHTING AND/OR RECEPTACLE PANEL
⊕	EMERGENCY LIGHTING UNIT	⏚	GROUND
S	SINGLE POLE LIGHT SWITCH	→	HOMERUN TO LIGHTING PANEL
S ₂	DOUBLE POLE LIGHT SWITCH	HOA	HAND-OFF-AUTOMATIC
S ₃	THREE WAY LIGHT SWITCH	UH	UNIT HEATER
S ₄	FOUR WAY LIGHT SWITCH	EF	EXHAUST FAN
S ₅	KEY OPERATED SWITCH	EWC	ELECTRIC WATER COOLER
S ₆	LIGHT SWITCH WITH PILOT LIGHT	AFF	ABOVE FINISHED FLOOR
S ₇	DIMMER SWITCH	WP	WEATHERPROOF
⊕	SINGLE RECEPTACLE	RT	RAINTIGHT
⊕	DUPLEX RECEPTACLE	UFD	UNDER FLOOR DUCT
⊕	JUNCTION BOX	EDH	ELECT. DUCT HTR.
⊕	SPECIAL PURPOSE RECEPTACLE	CP	CONTROL PANEL
⊕	DRYER OUTLET 30A, 208V, 1ϕ	SD	SMOKE DETECTOR
⊕	RANGE OUTLET 50A, 208V, 1ϕ	TS	TIME SWITCH
⊕	PUSH BUTTON STATION	CO	CHIME
⊕	COMBINATION DATA AND TELEPHONE OUTLET	IO	INTERCOM OUTLET
⊕	DATA OUTLET	S	SPEAKER
⊕	TELEPHONE ONLY OUTLET	M	MICROPHONE
⊕	MANUAL SINGLE PHASE MOTOR STARTER WITH PILOT LIGHT	TV	TELEVISION OUTLET
⊕	THREE PHASE COMBINATION MAGNETIC FUSIBLE MOTOR STARTER	PC	PHOTOELECTRIC CONTROLLER
⊕	FUSIBLE DISCONNECT SWITCH		
⊕	NON-FUSIBLE DISCONNECT SWITCH		

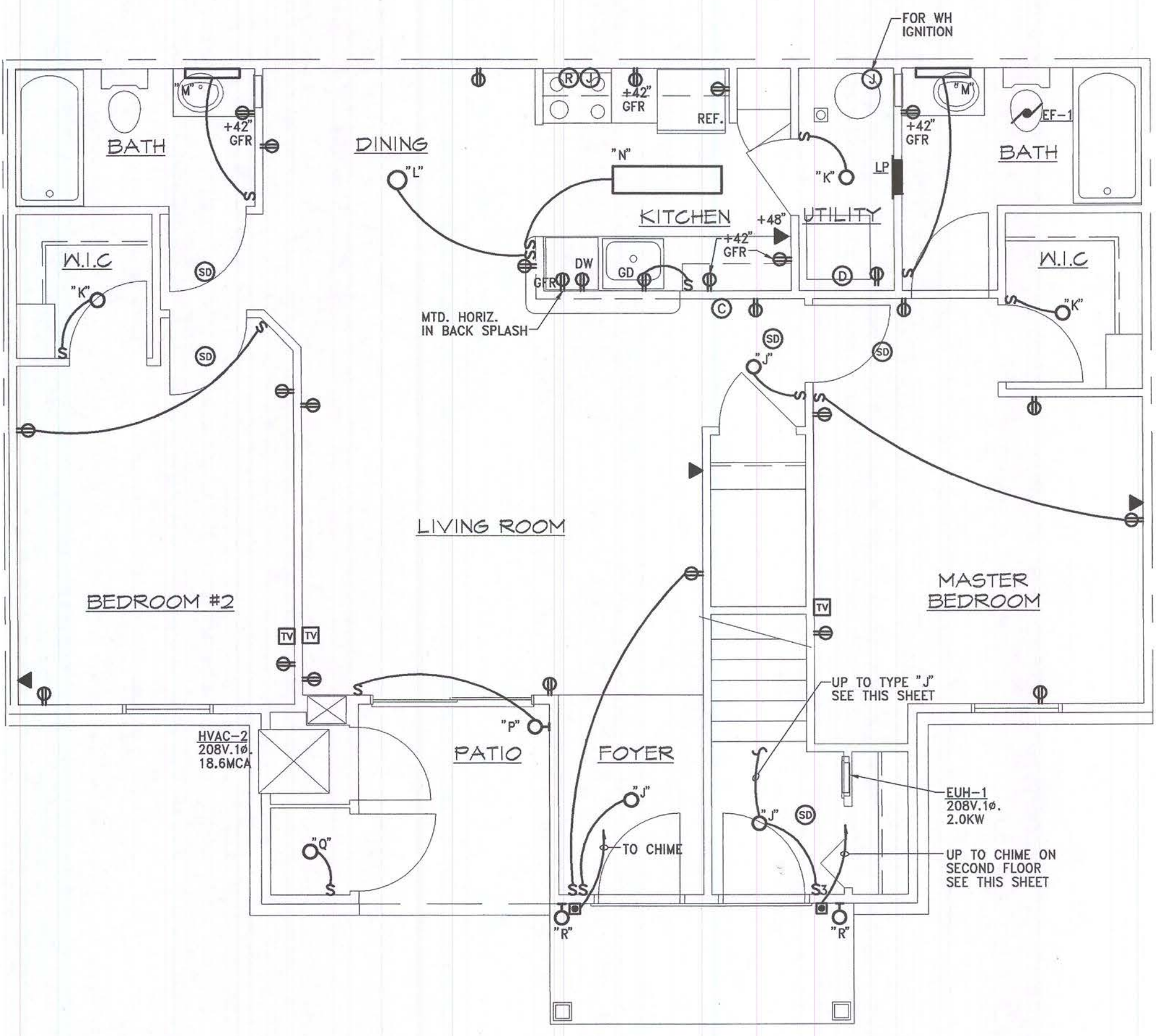
* THIS IS STANDARD SYMBOL LIST - SOME OF THESE SYMBOL MAY NOT APPEAR ON DRAWINGS.



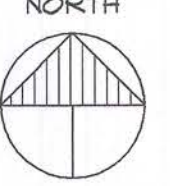
SECOND FLOOR UNIT "B"
SCALE: 1/4" = 1'-0"



GENERAL NOTE:
1. SEE SHEET E2.1 FOR ELECTRICAL NOTES.



FIRST FLOOR UNIT "B"
SCALE: 1/4" = 1'-0"



Consultant:



Developer:

FIELEK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

1ST & 2ND FLOOR
UNIT "B" PLANS
- ELECTRICAL

Project Number: 03-161

Drawn: EK

Checked: RK

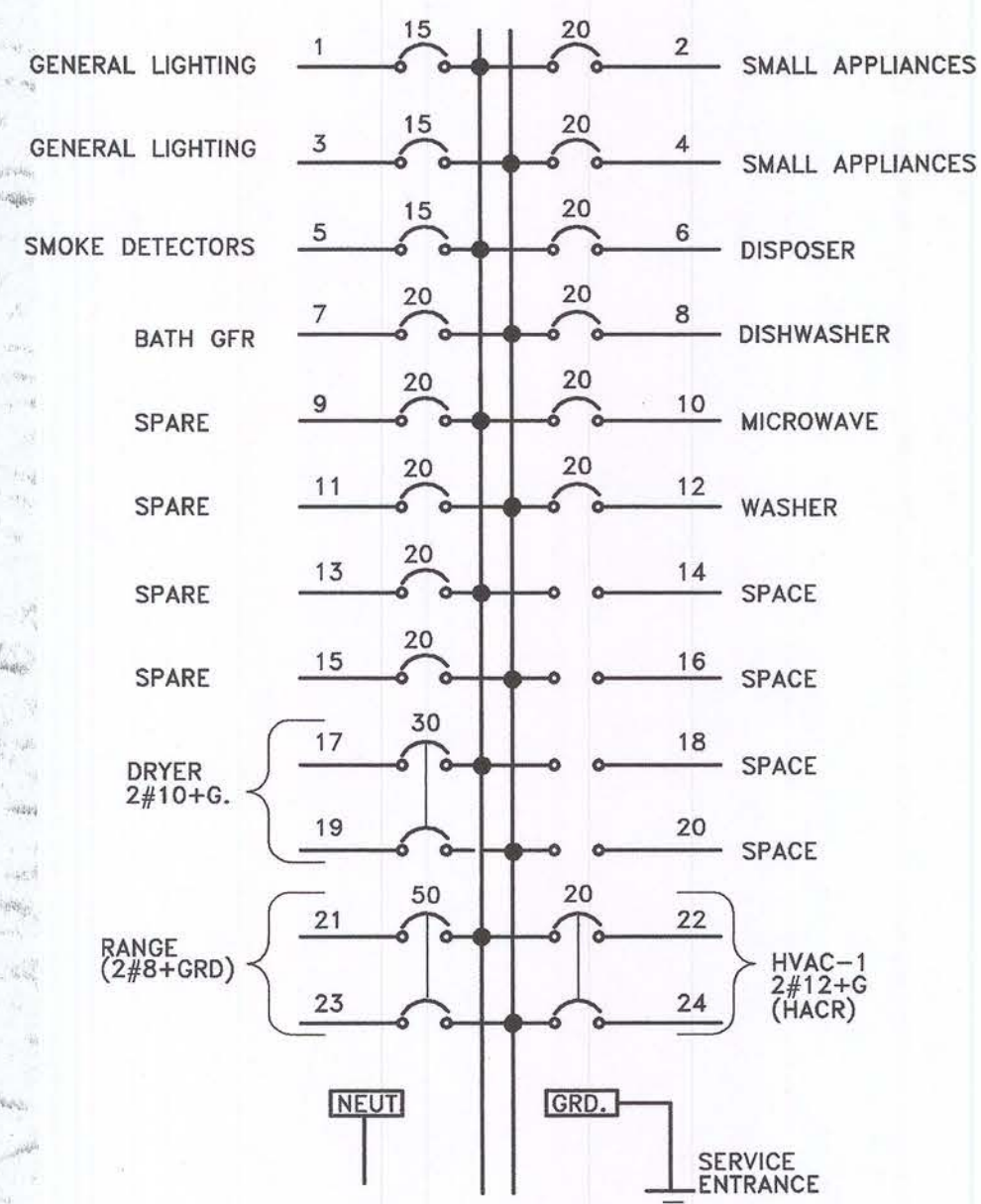
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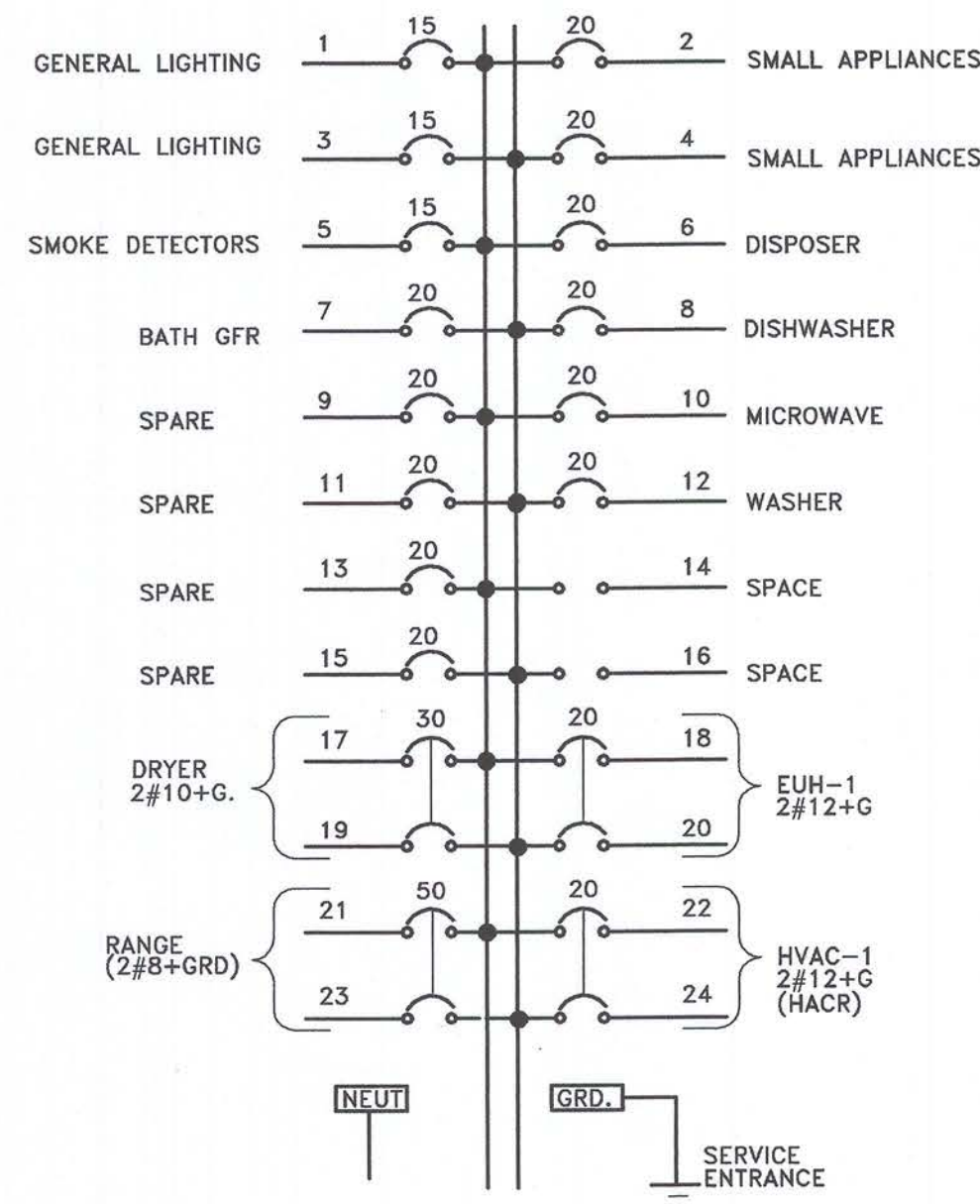
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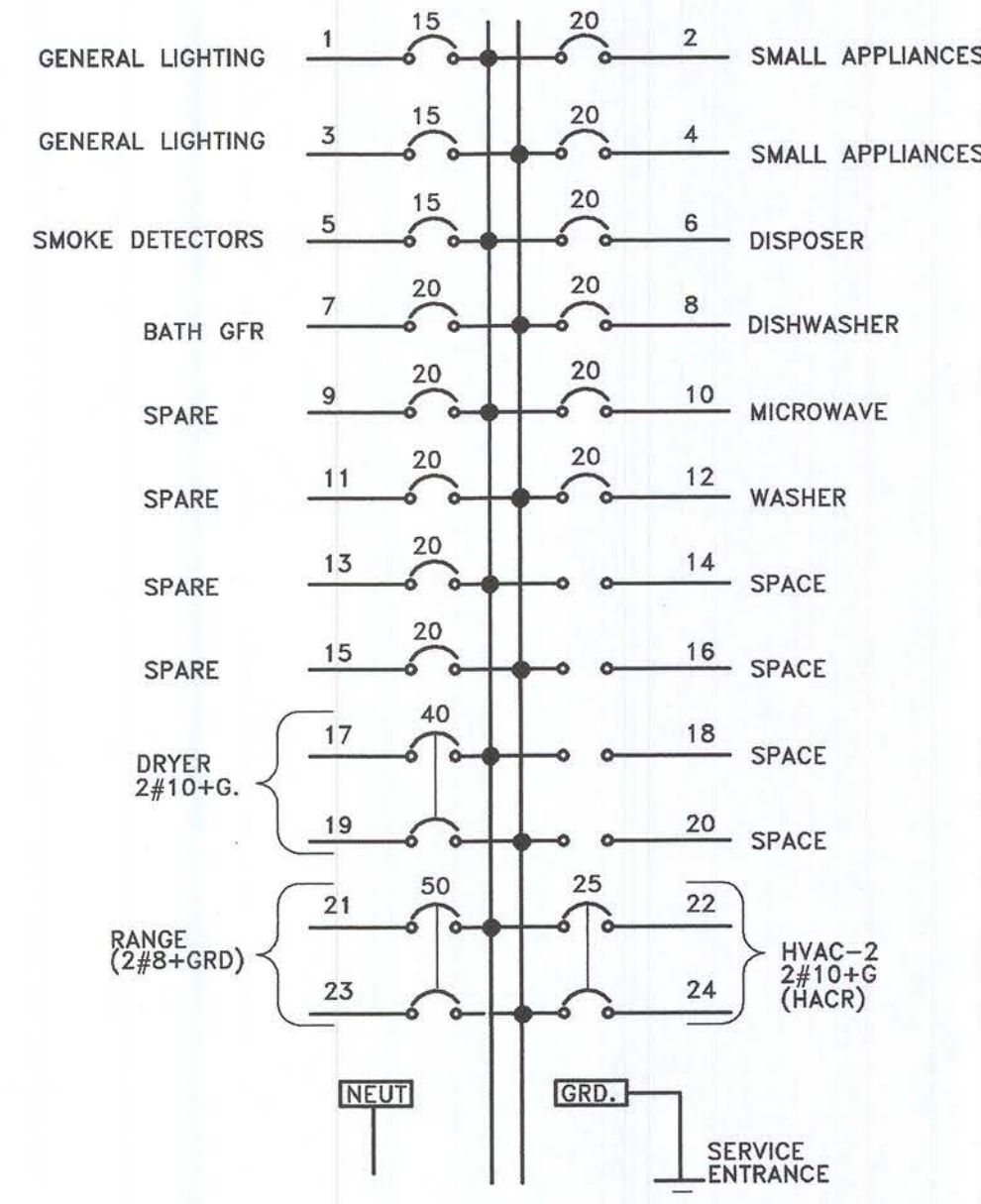
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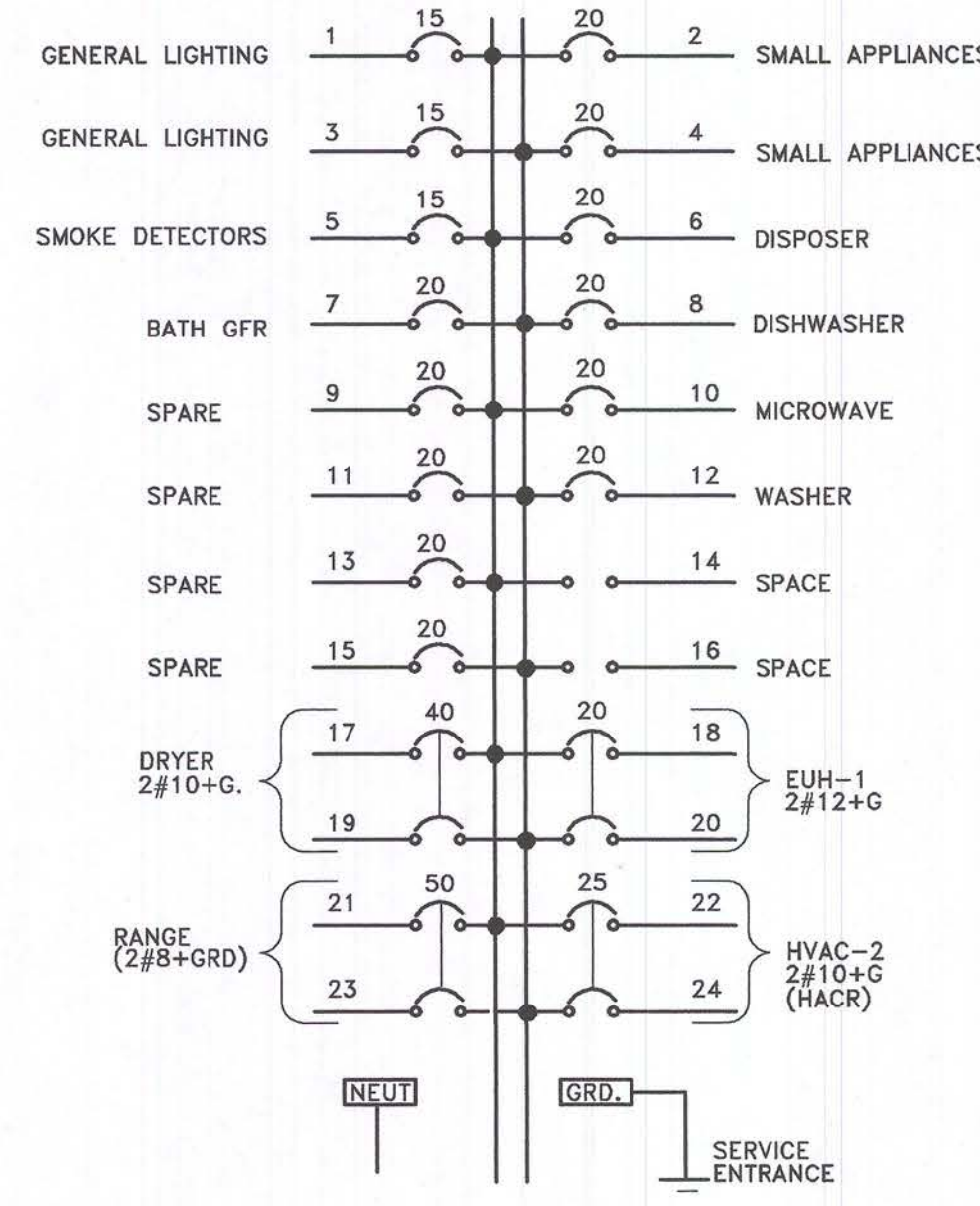
TYPICAL UNIT "A" FIRST FLOOR & BF "A" PANEL
120/208V., 1ø., 3W.+ GROUND, 125A MLO



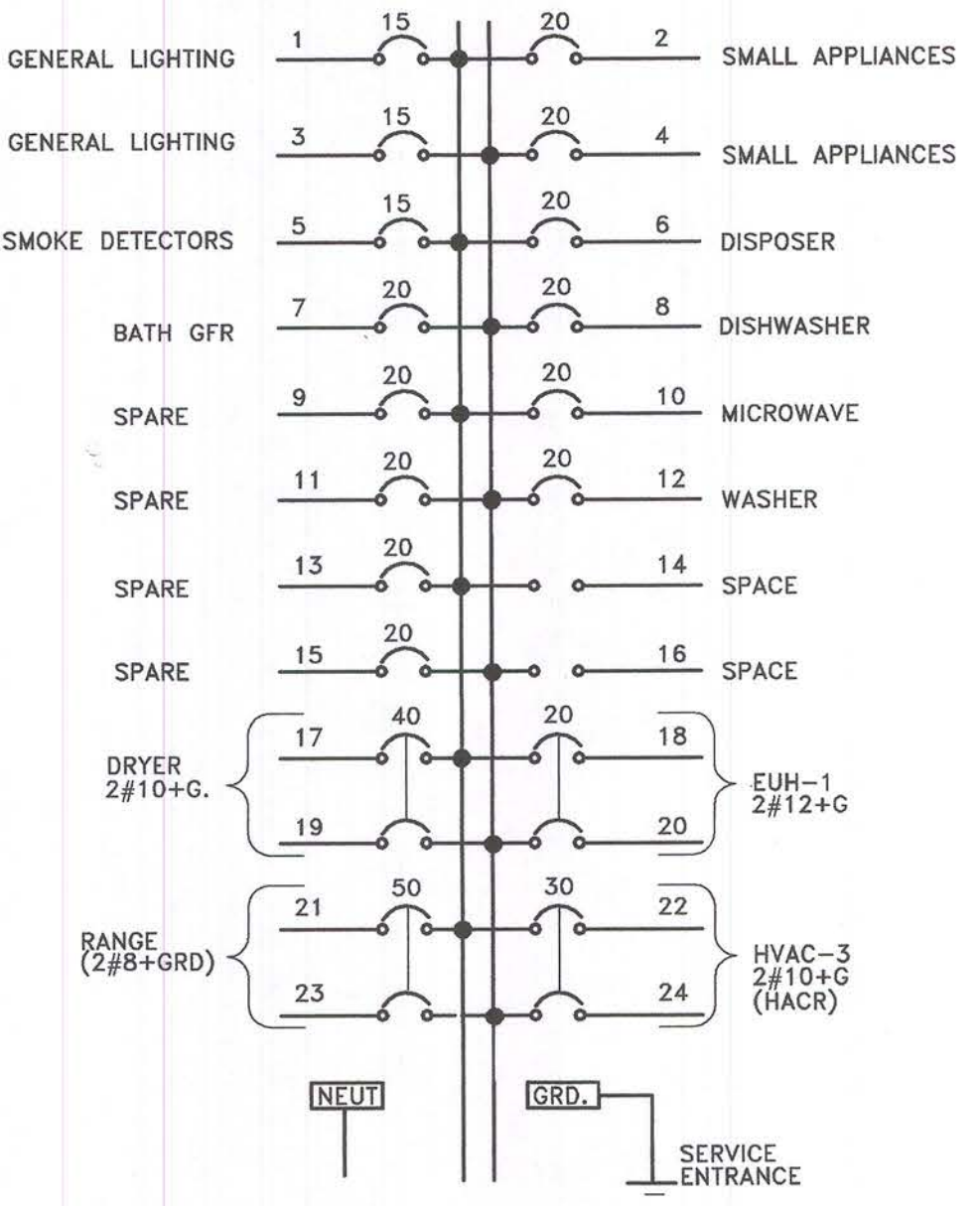
TYPICAL UNIT "A" SECOND FLOOR
120/208V., 1ø., 3W.+ GROUND, 125A MLO



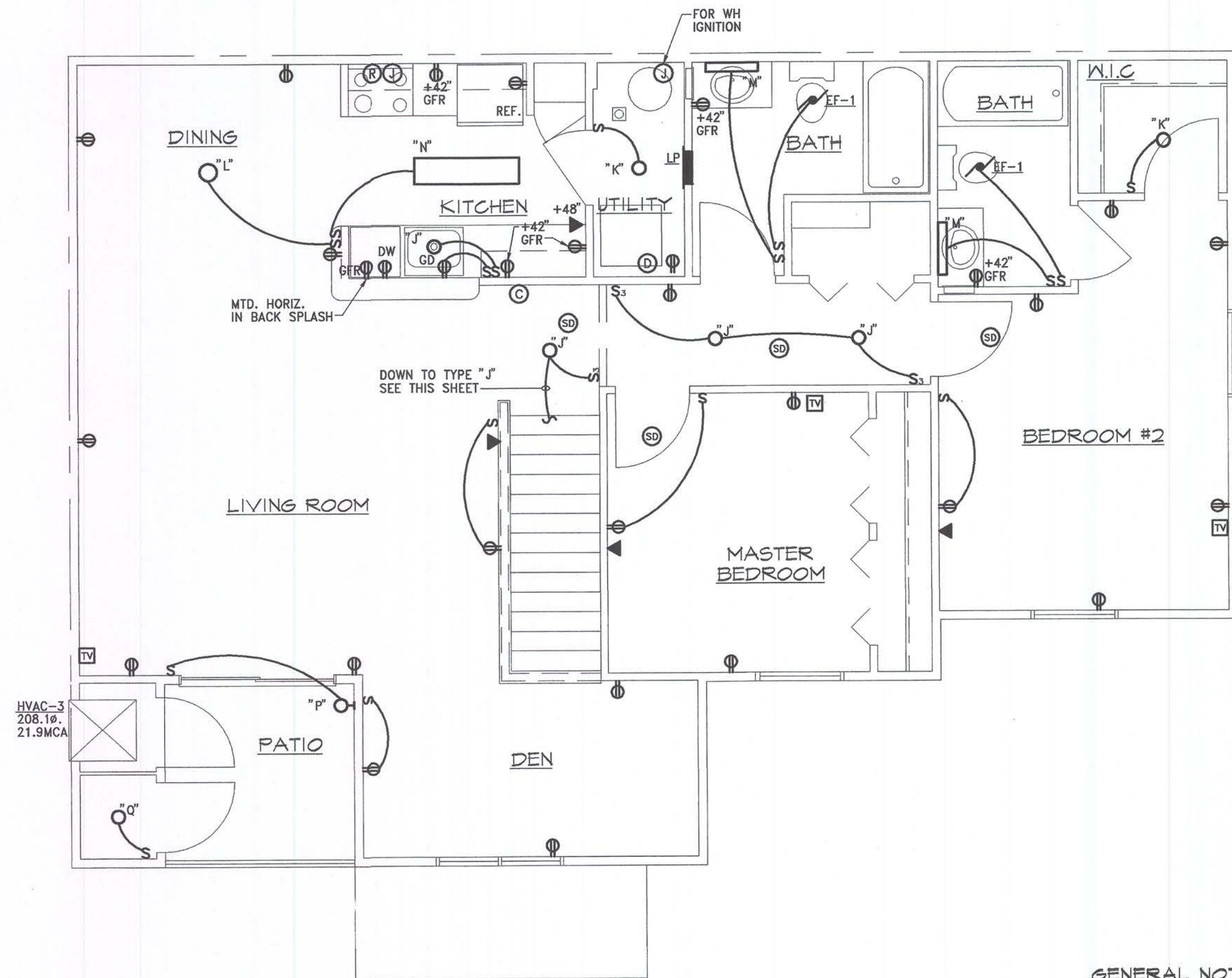
TYPICAL UNIT "B" FIRST FLOOR.
"C" & "D" FIRST FLOOR & BF UNIT "B" & "C"
120/208V., 1ø., 3W.+ GROUND, 125A MLO



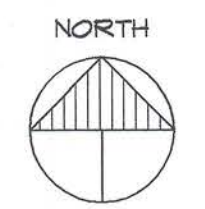
TYPICAL UNIT "B" SECOND FLOOR
120/208V., 1ø., 3W.+ GROUND, 125A MLO



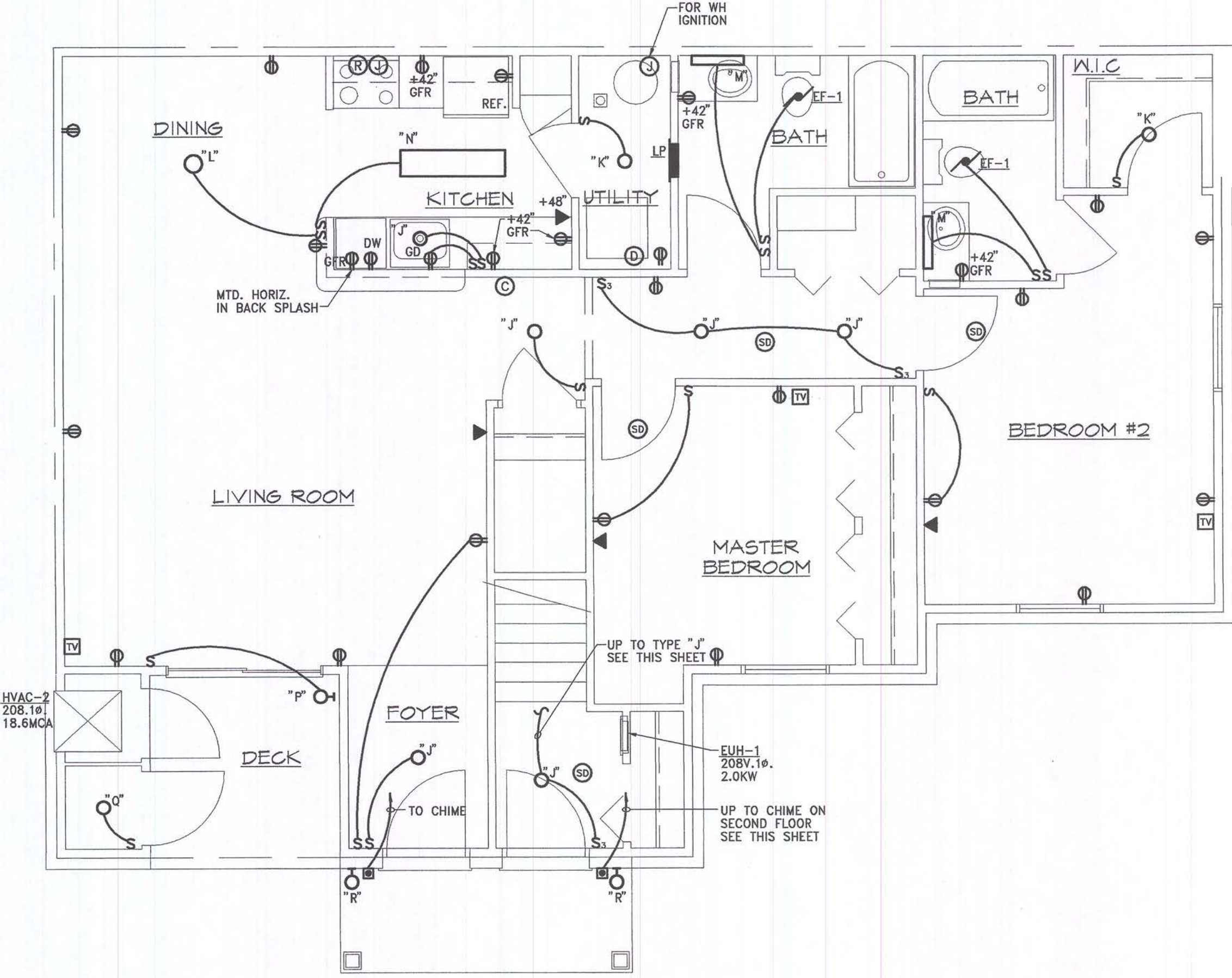
TYPICAL UNIT "C" & "D" SECOND FLOOR
120/208V., 1ø., 3W.+ GROUND, 125A MLO



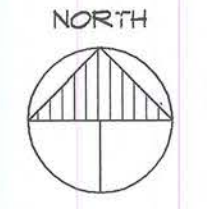
SECOND FLOOR UNIT "C"
SCALE: 1/4" = 1'-0"



GENERAL NOTE:
1. SEE SHEET E2.1 FOR ELECTRICAL NOTES.



FIRST FLOOR UNIT "C"
SCALE: 1/4" = 1'-0"



Consultant:



Developer:
FIELEK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON
APARTMENTS

Leslie, Michigan
Sheet Title:

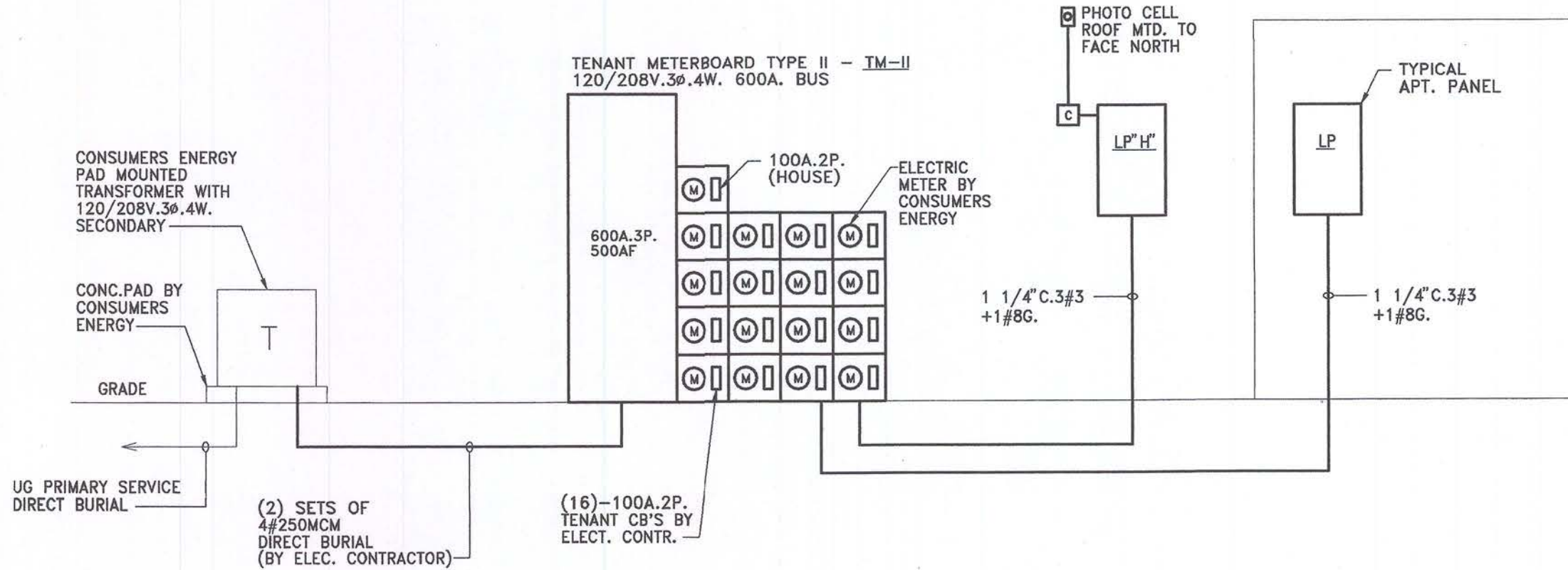
1ST & 2ND FLOOR
UNIT "C" PLANS
- ELECTRICAL

Project Number: 03-161
Drawn: EK
Checked: RK
Date: 10-8-03
Sheet Number:

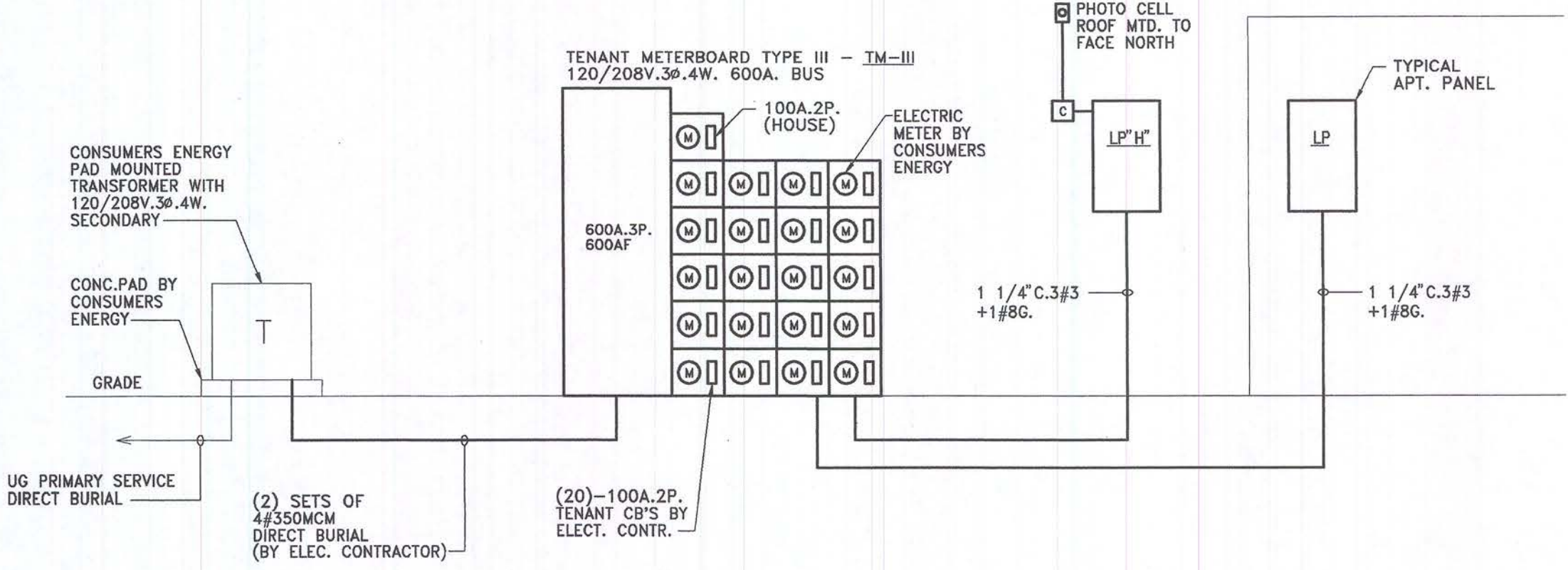
E2.3



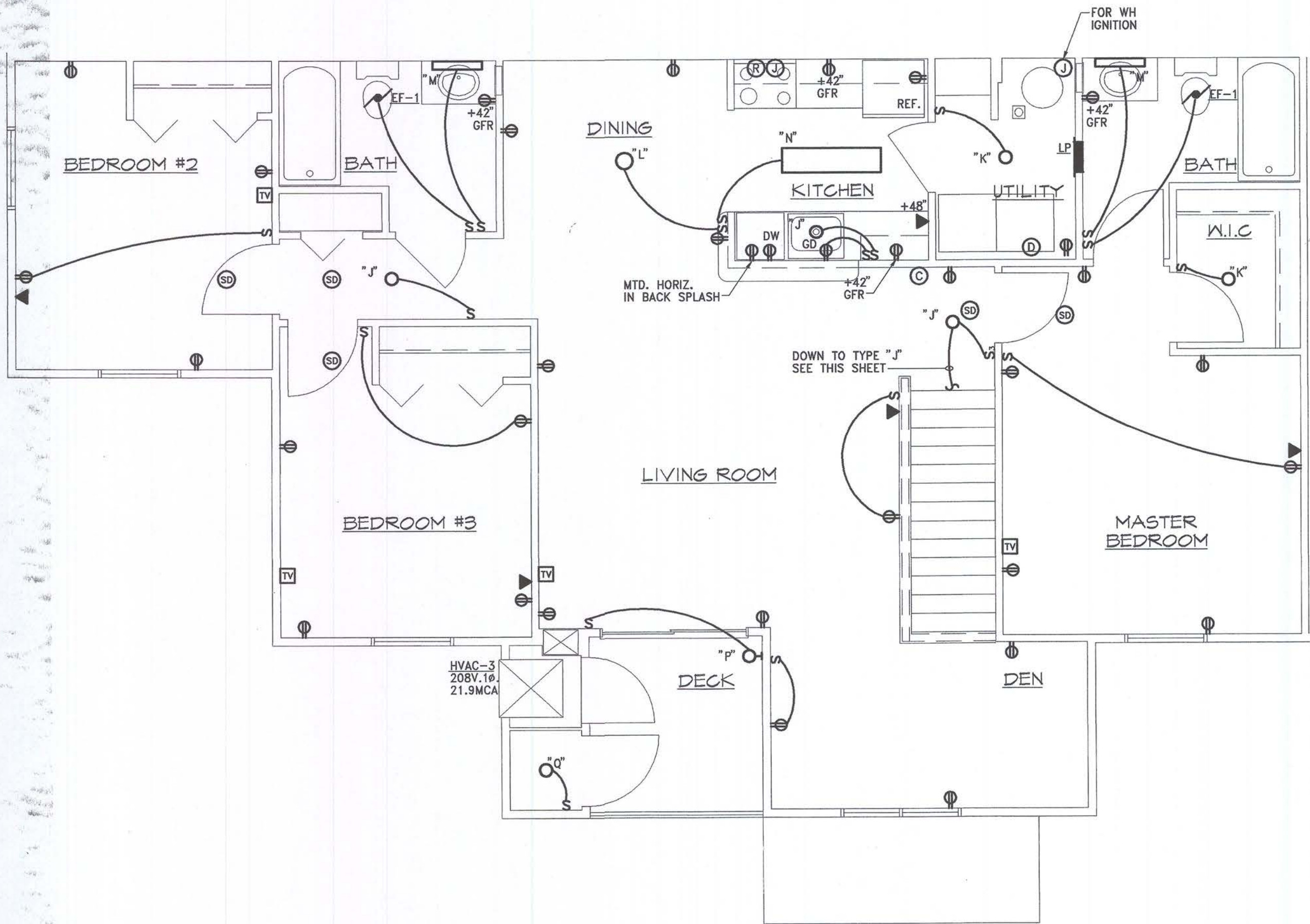
Issued For:
PERMITS / BIDS 2-9-04



**ELECTRIC RISER DIAGRAM
TYPE II BLDG**
NO SCALE



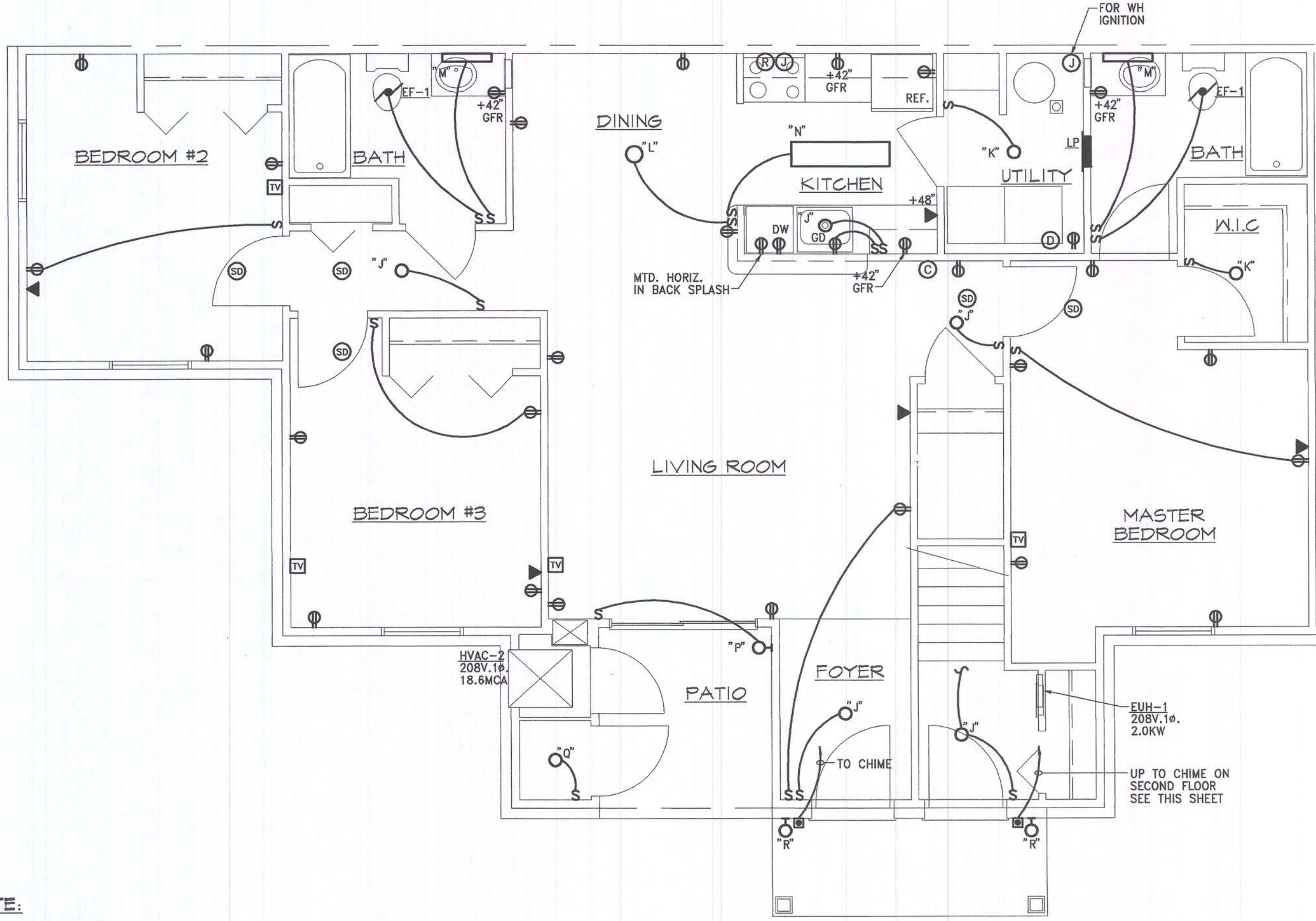
**ELECTRIC RISER DIAGRAM
TYPE III BLDG**
NO SCALE



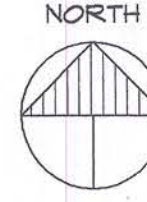
SECOND FLOOR UNIT "D"
SCALE: 1/4" = 1'-0"



GENERAL NOTE:
1. SEE SHEET E2.1 FOR ELECTRICAL NOTES.



FIRST FLOOR UNIT "D"
SCALE: 1/4" = 1'-0"



Consultant:

MANCINI, ALKATEEB & ASSOCIATES, INC.
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
3040 TELEGRAPH ROAD, SUITE 400
BIRMINGHAM, ALABAMA 35203
(205) 268-1610
FAX (205) 268-0838

Developer:

FIELEK BUILDERS, L.L.C.
South Lyon, Michigan

Project:

**WORTHINGTON
APARTMENTS**

Leslie, Michigan

Sheet Title:

**1ST & 2ND FLOOR
UNIT "D" PLANS
- ELECTRICAL**

Project Number: 03-161

Drawn: EK

Checked: RK

Date: 10-8-03

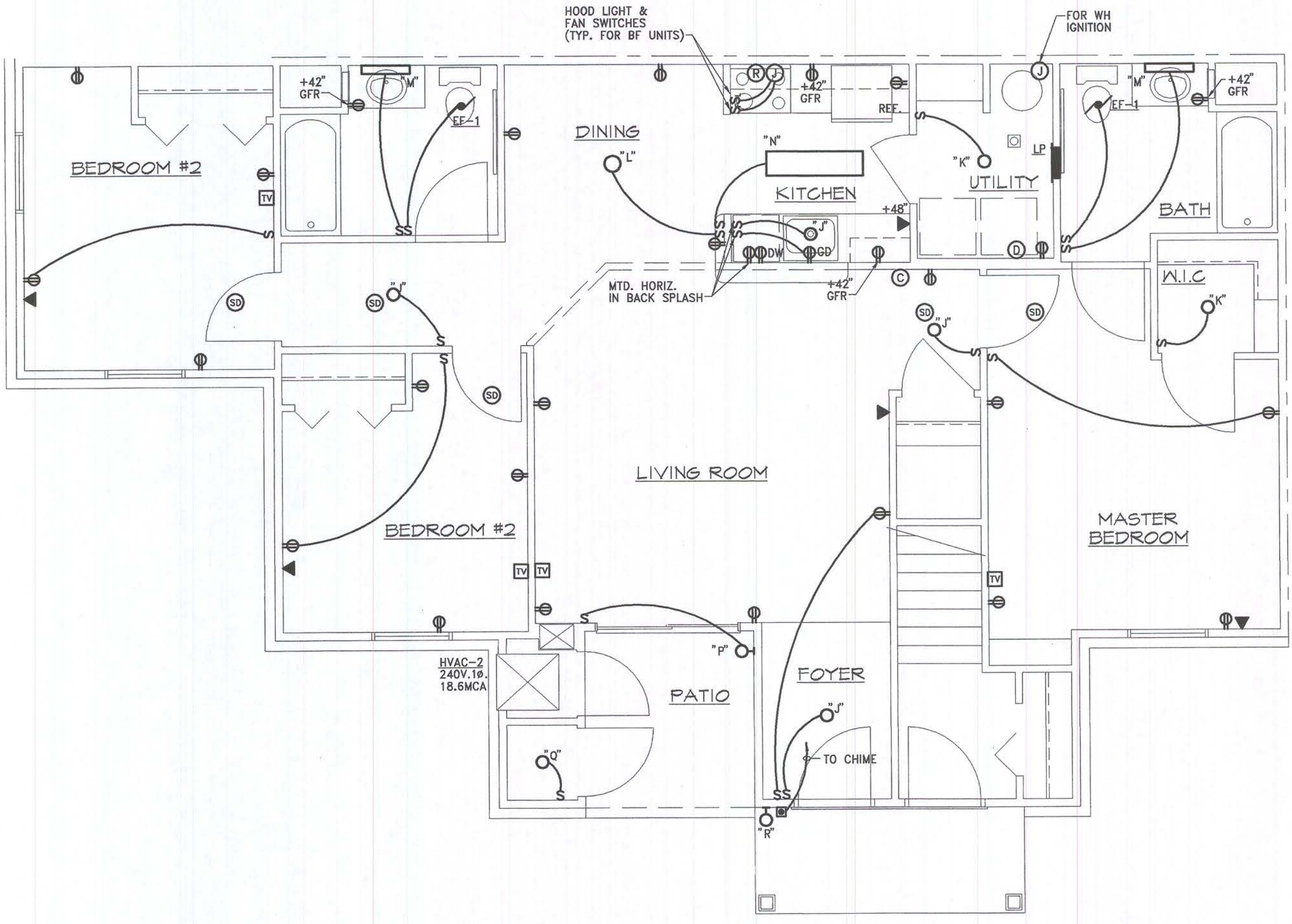
Sheet Number:

E2.4

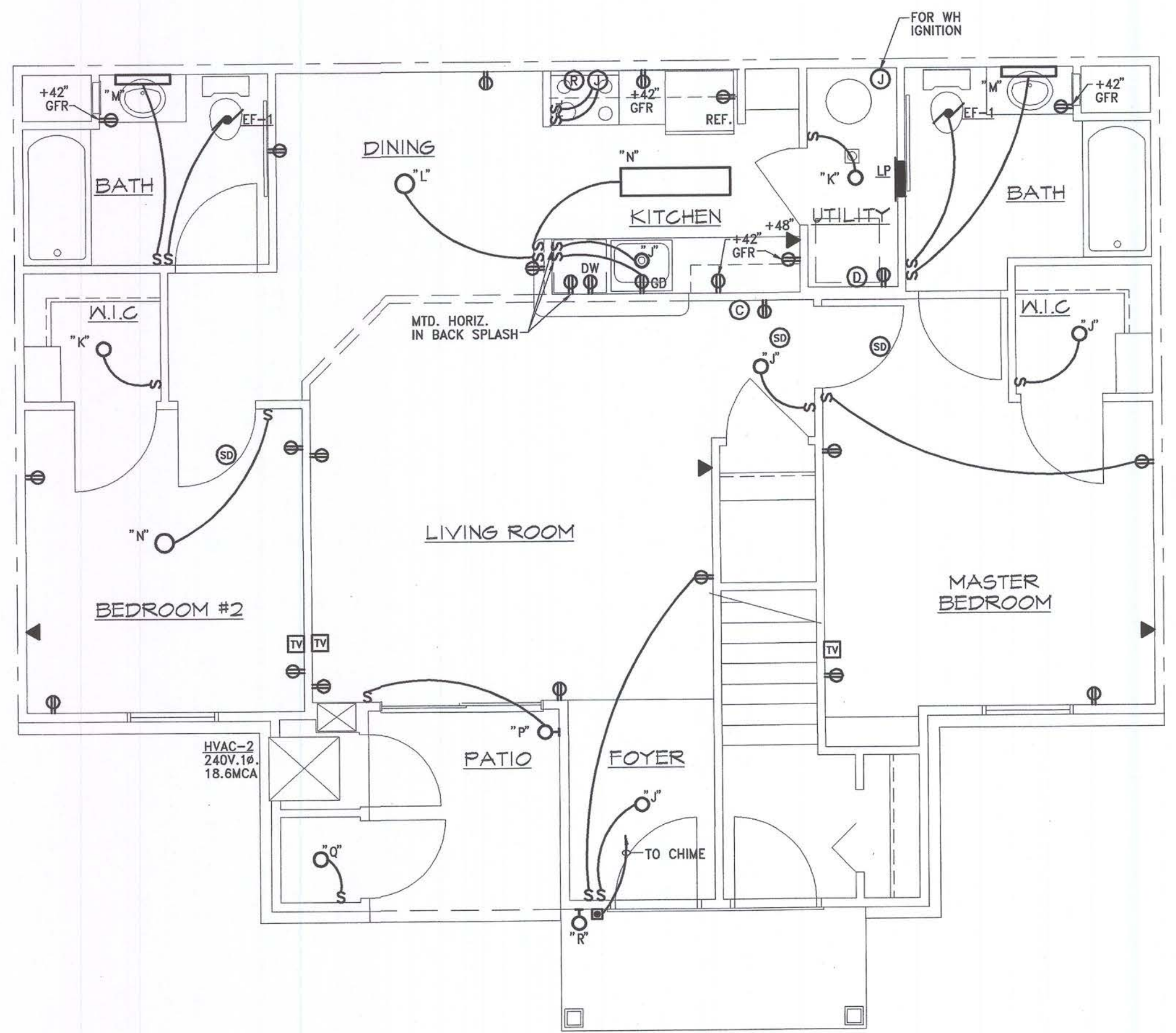
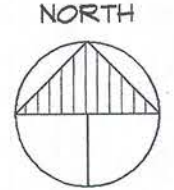
838 W. Long Lake #250
Bloomfield Hills, MI 48302
248 540-5940 Fax 248 540-4820
Email: pal@progressiveassociates.com



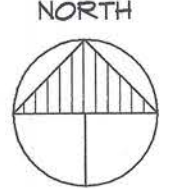
Issued For:
PERMITS / BIDS 2-9-04



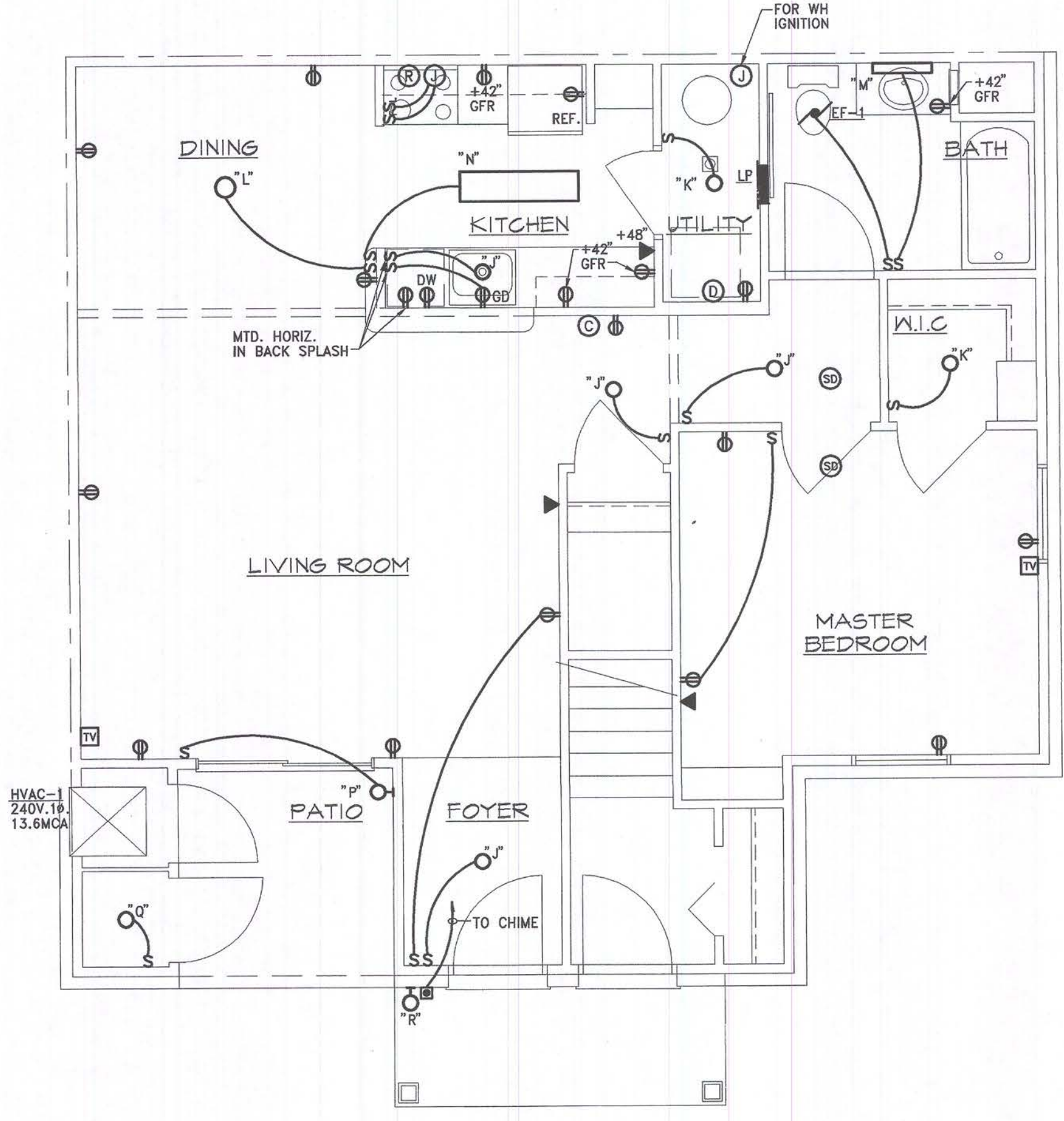
FLOOR PLAN - BF UNIT "D"
SCALE: 1/4" = 1'-0"



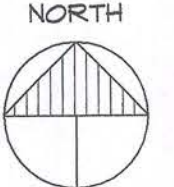
FLOOR PLAN - BF UNIT "B"
SCALE: 1/4" = 1'-0"



GENERAL NOTE:
1. SEE SHEET E2.1 FOR ELECTRICAL NOTES.



FLOOR PLAN - BF UNIT "A"
SCALE: 1/4" = 1'-0"



Consultant:



Developer:

FILEK BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON APARTMENTS

Leslie, Michigan

Sheet Title:

BARRIER FREE UNIT PLANS - "A", "B" & "C" - ELECTRICAL

Project Number: 03-161

Drawn: EK

Checked: RK

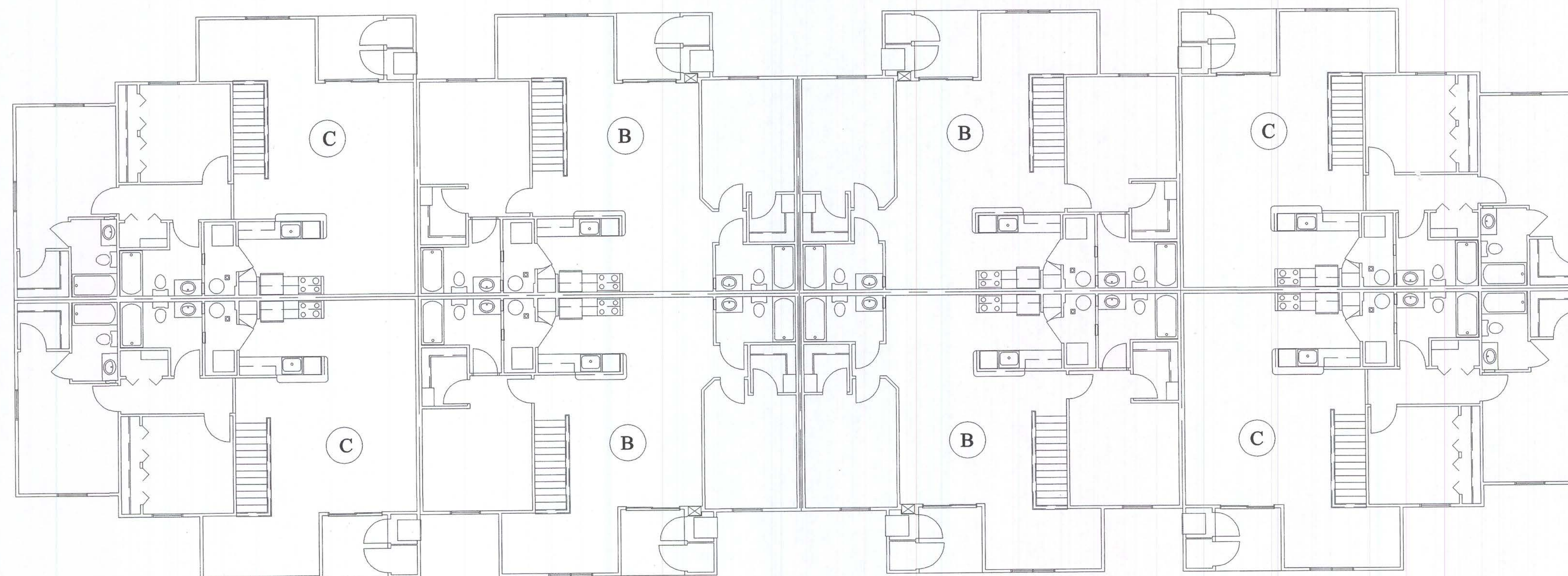
Date: 10-8-03

Sheet Number:

E2.5

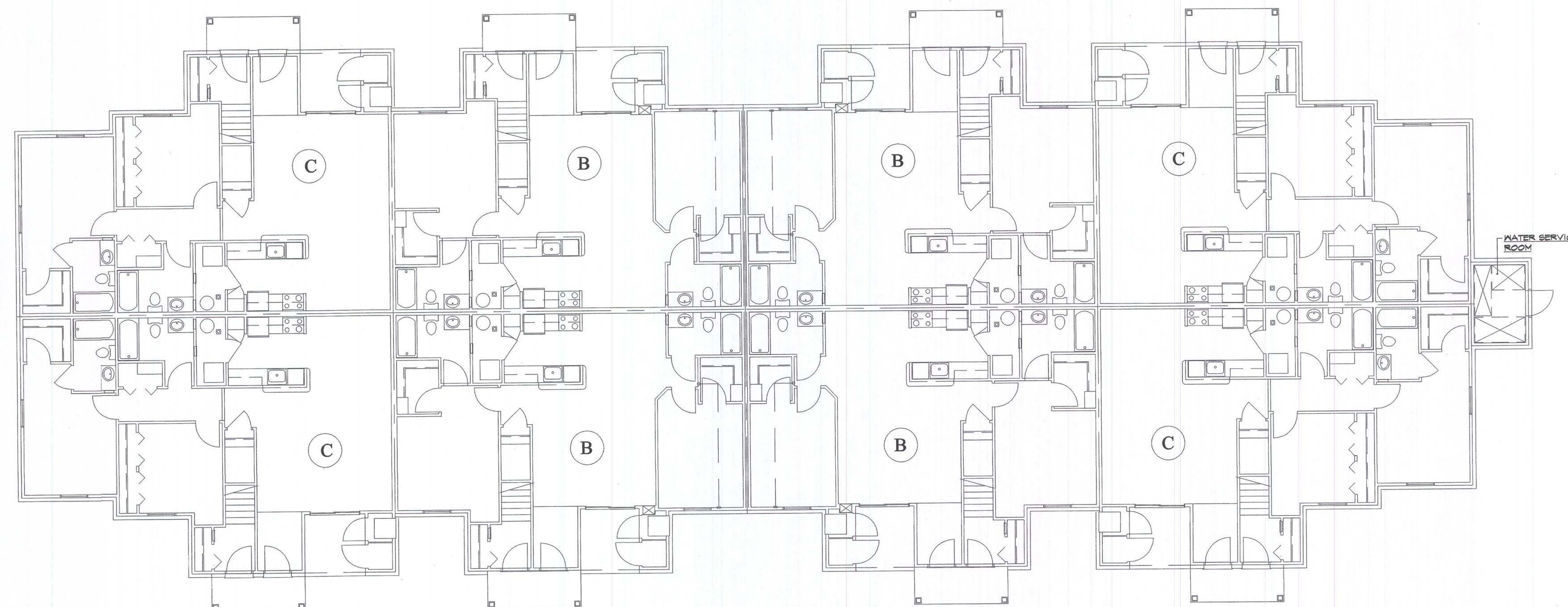
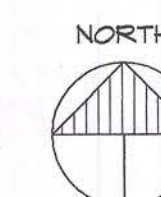


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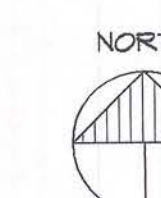
SECOND FLOOR UNIT PLAN - BUILDING TYPE II

SCALE: 1/4" = 1'-0"



FIRST FLOOR UNIT PLAN - BUILDING TYPE II

SCALE: 1/4" = 1'-0"



Consultant:



Developer:

FIELEK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

1ST & 2ND FLOOR
BUILDING TYPE II

Project Number: 03-161

Drawn: EK

Checked: RK

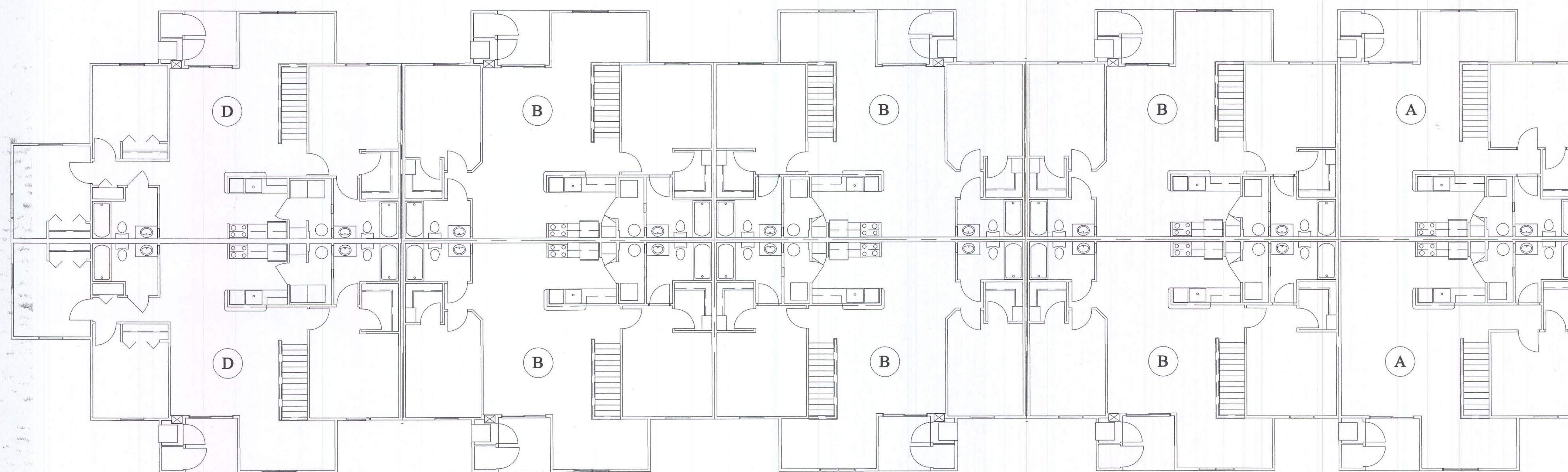
Date: 10-8-03

Sheet Number:

E3.1

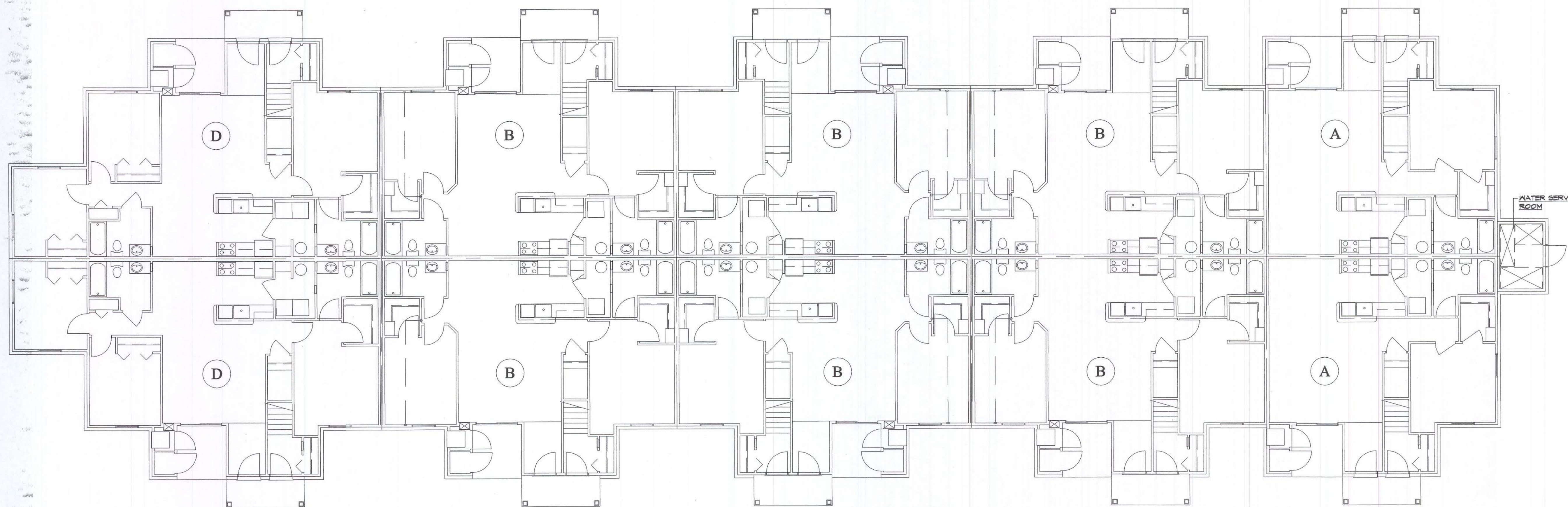
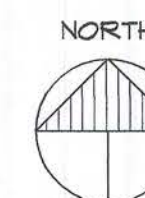


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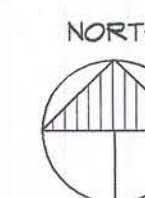
SECOND FLOOR UNIT PLAN - BUILDING TYPE III

SCALE: 1/4" = 1'-0"



FIRST FLOOR UNIT PLAN - BUILDING TYPE III

SCALE: 1/4" = 1'-0"



Consultant:



MANCINI, ALKATEEB & ASSOCIATES, INC.
MECHANICAL & ELECTRICAL - CONSULTING ENGINEERS
30400 TELEGRAPH ROAD, SUITE 400
BINGHAM FARMS, MICHIGAN 48025 FAX (248) 258-0538

Developer:

FIELEK
BUILDERS, L.L.C.
South Lyon, Michigan

Project:

WORTHINGTON
APARTMENTS

Leslie, Michigan

Sheet Title:

1ST & 2ND FLOOR
BUILDING TYPE III

Project Number: 03-161

Drawn: EK

Checked: RK

Date: 10-8-03

Sheet Number:

E3.2

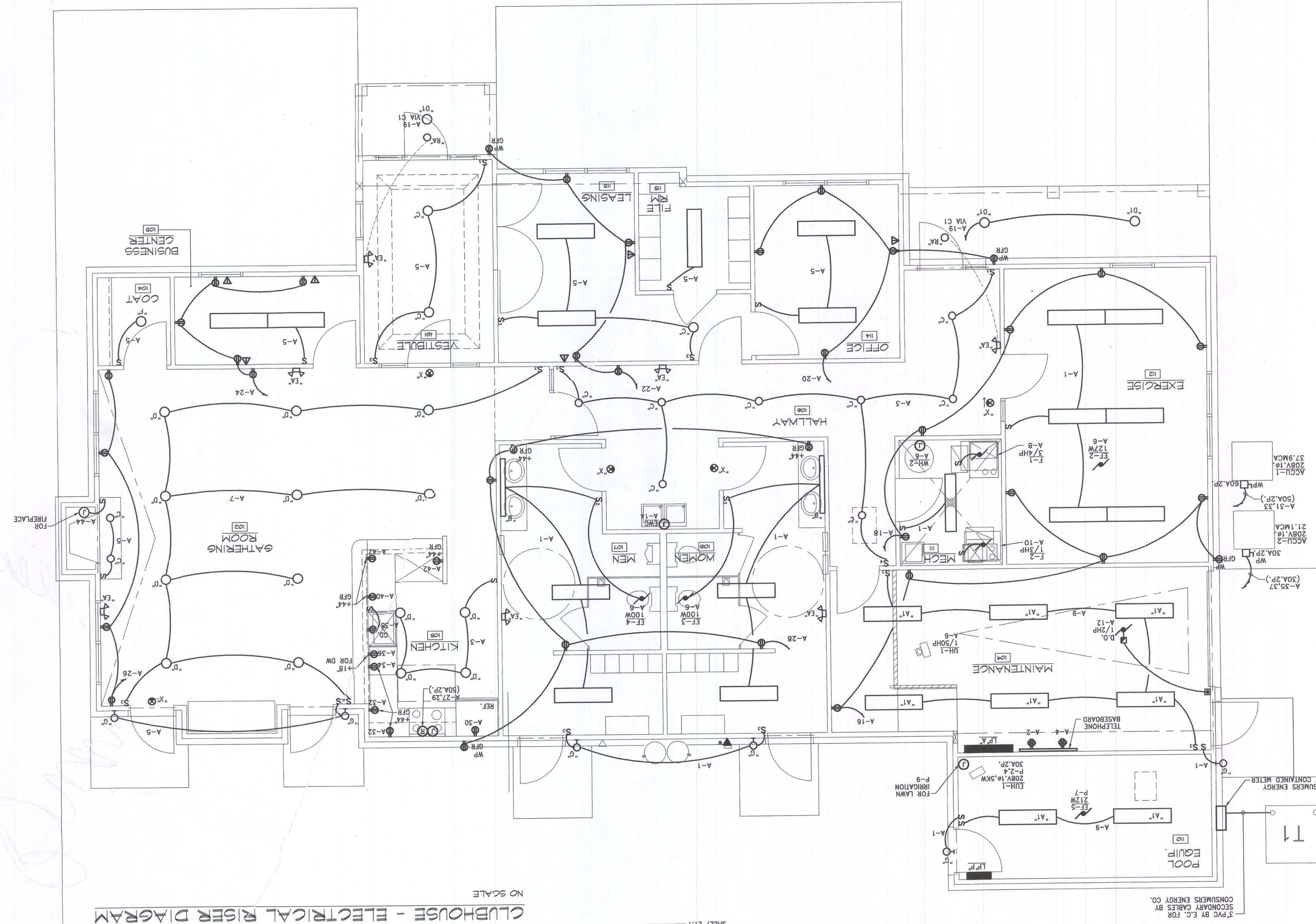
Project Number: 03-161
Drawn: EK
Checked: RK
Date: 10-8-03
Sheet Number: EC1.1

Consultant:
Developer: FIELEK BUILDERS, L.L.C.
Project: CLUBHOUSE @ WORTHINGTON APARTMENTS
Location: South Lyon, Michigan
Sheet Title: CLUBHOUSE FLOOR PLAN - ELECTRICAL

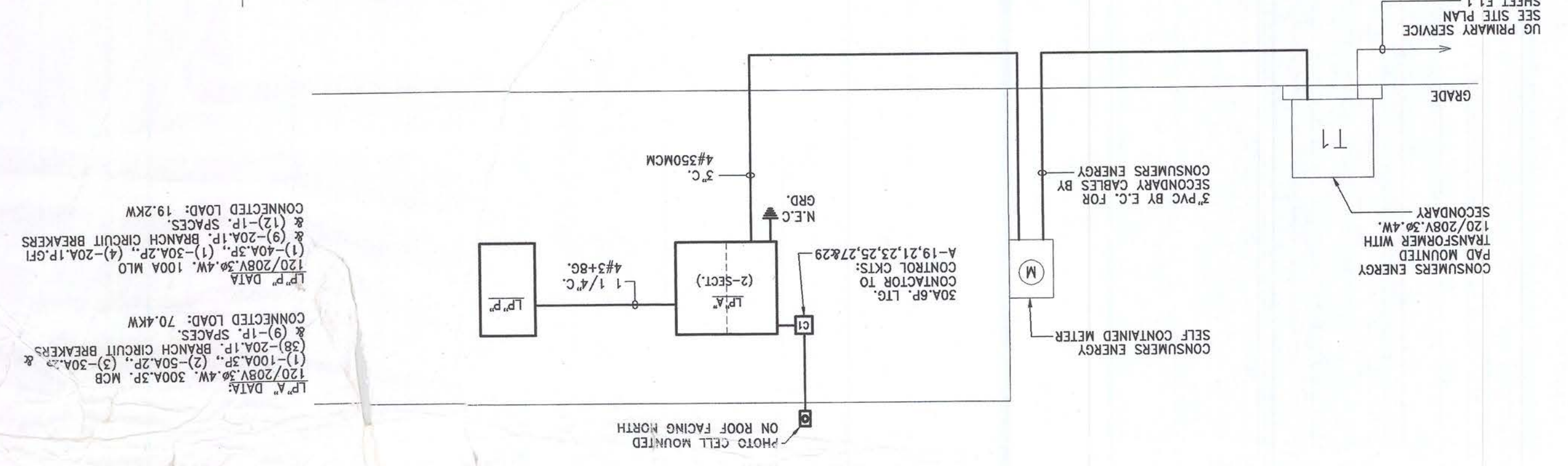
Progressive Associates, Inc. Architects
838 W. Long Lake #250
Bloomfield Hills, MI 48302
248 540-5940 Fax 248 540-4820
Email: pal@progressiveassociates.com
Issued For: PERMITS / BIDS 2-9-04

H:\ACAD\FILES\BIM\B08080EC1.dwg Mon, 09 Feb 2004 - 8:33am

NOTES:
1. ALL LIGHTING FIXTURES SHOWN ON THIS PLAN ARE TYPE "A".
2. REFER TO ARCHITECTURAL REFLECTED LIGHTING FIXTURES.
3. ALL EXIT AND EMERGENCY LIGHTS TO BE WIRED TO ROOM OR AREA NORMAL LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.



CLUBHOUSE - ELECTRICAL RISER DIAGRAM



CLUBHOUSE FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"

CONSUMERS ENERGY
PAD MOUNTED TRANSFORMER WITH 120/208V, 30.4KW.
SECONDARY
CONSUMERS ENERGY

CONSUMERS ENERGY CO.
SECONDARY CABLES BY
3\"/>

SELF CONTAINED METER
CONSUMERS ENERGY

FOR LAWN IRRIGATION
P-4
208V, 10.5KW
30A, 2P, 1\"/>

POOL EQUIP.
A-9
A-1
A-1

TELEPHONE BASEBOARD
A-4
A-2
A-1

MAINTENANCE
A-1
A-1
A-1

MECH.
A-1
A-1
A-1

EXERCISE
A-1
A-1
A-1

OFFICE
A-1
A-1
A-1

FILE RM.
A-1
A-1
A-1

LEASING
A-1
A-1
A-1

VESTIBULE
A-1
A-1
A-1

COAT
A-1
A-1
A-1

BUSINESS CENTER
A-1
A-1
A-1

GATHERING ROOM
A-1
A-1
A-1

KITCHEN
A-1
A-1
A-1

MEN
A-1
A-1
A-1

WOMEN
A-1
A-1
A-1

HALLWAY
A-1
A-1
A-1

OFFICE
A-1
A-1
A-1

FILE RM.
A-1
A-1
A-1

LEASING
A-1
A-1
A-1

VESTIBULE
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A-1

COAT
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A-1
A-1

BUSINESS CENTER
A-1
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A-1

GATHERING ROOM
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A-1

KITCHEN
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MEN
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WOMEN
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HALLWAY
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OFFICE
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FILE RM.
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BUSINESS CENTER
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GATHERING ROOM
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