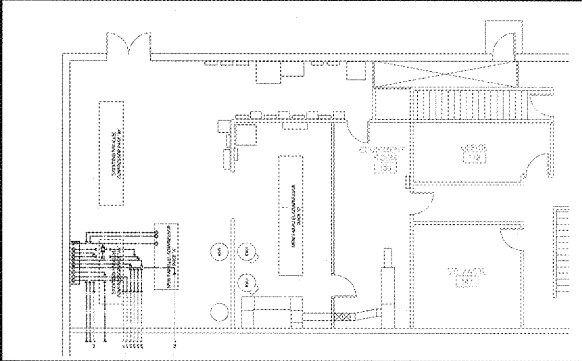
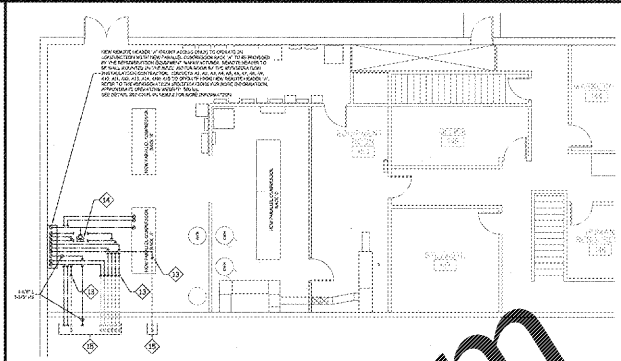


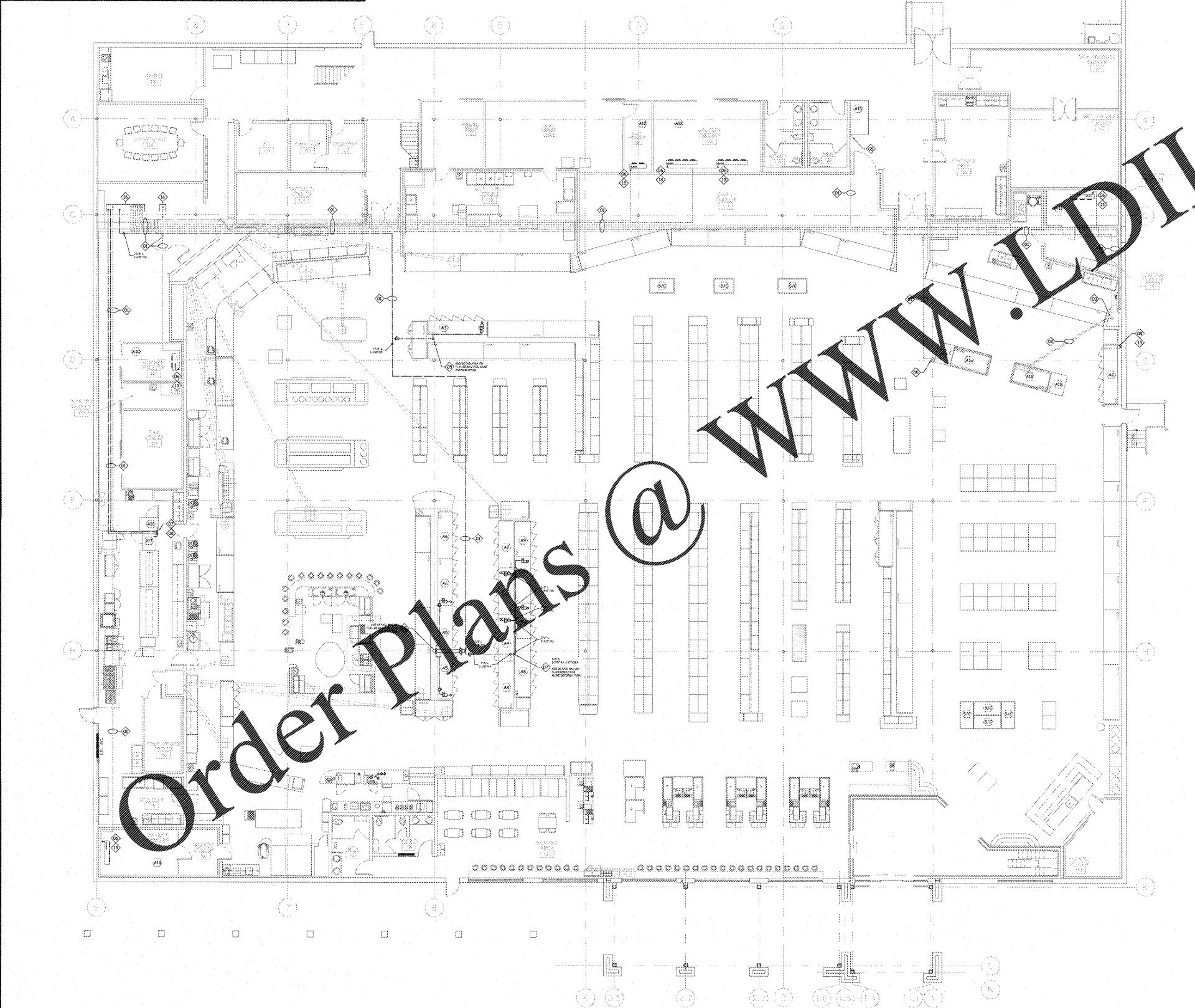
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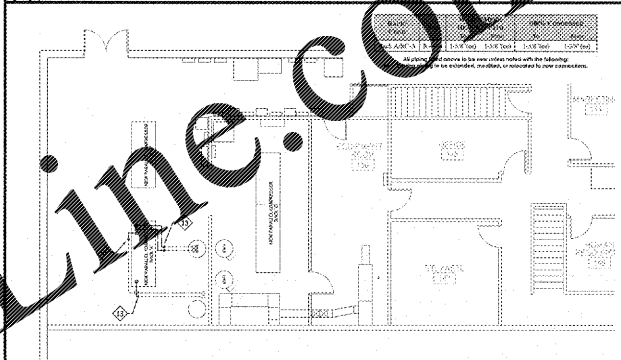
2 MEZZANINE MOTOR ROOM DETAIL (PHASE 2) SCALE: 1/8" = 1'-0"



3 MEZZANINE MOTOR ROOM DETAIL (FINAL) SCALE: 1/8" = 1'-0"



1 REFRIGERATION PIPING PLAN - RACK 'A' SCALE: 1/8" = 1'-0"



4 MEZZ. MOTOR ROOM DETAIL - H.R. / COND. PIPING SCALE: 1/8" = 1'-0"

- #### REFRIGERATION PIPING NOTES
- THIS PLAN IS PICTORIAL DRAWN FOR CLARIFICATION PURPOSES ONLY. EACH LINE DISPLAYED REPRESENTS A LIQUID AND SUCTION LINE PAIR PER CIRCUIT.
 - PRIOR TO INSTALLATION OF ANY REFRIGERATION PIPING, THE REFRIGERATION INSTALLATION CONTRACTOR SHALL COORDINATE ALL PIPING PATHS WITH THE STRUCTURAL STEEL IN CONFORMANCE WITH THE GENERAL CONTRACTOR.
 - THE REFRIGERATION INSTALLATION CONTRACTOR SHALL COORDINATE ALL PIPING PATHS TO AVOID CONFLICTS WITH ALL ELECTRICAL PANELS, STAIRWELLS AND CORRIDORS. NO PIPING SHALL PASS ABOVE ELECTRICAL PANELS AND TRANSFORMERS OR THROUGH STAIRWELLS OR CORRIDORS.
 - THE REFRIGERATION INSTALLATION CONTRACTOR SHALL COORDINATE ALL PIPING PATHS TO AVOID CONFLICTS WITH ALL OTHER TRADES (i.e. HVAC EQUIPMENT, LIGHTING FIXTURES, FLUENTING LINES, ETC.)
 - THE REFRIGERATION INSTALLATION CONTRACTOR SHALL COORDINATE THE REMOVAL AND REINSTALLATION OF ALL CEILING TILES AND ASSOCIATED GRID FOR THE INSTALLATION OF ALL OVERHEAD PIPING WITH THE GENERAL CONTRACTOR.

- #### REFRIGERATION PIPING LEGEND
- REFRIGERATION PIPING - NEW - RACK 'A'
 - REFRIGERATION PIPING - EXISTING - RACK 'A'

- #### KEYED NOTES
- OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING: TIGHT TO STRUCTURE, COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING AND SPECIALTY INSTALLATION.
 - DIRECT EXPANSION REFRIGERATION PIPING RUN IN PIPE CHASE BELOW FLOOR.
 - OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING DROP IN REEFER / CONCEALED CHASE.
 - OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING DROP CONCEALED ON WALL.
 - OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING DROP SUPPORTED TO WALL/COLUMN.
 - OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING DROP TO EVAPORATOR CONNECTION.
 - OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING DROP TO CASE CONNECTION: PAINT TO MATCH DECOR.
 - OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING DROP TO CASE CONNECTION: PAINT TO MATCH DECOR ABOVE DROP CEILING. WRAP IN STAINLESS STEEL INSULATION BELOW DROP CEILING. ENCLOSE IN CABINET.
 - DIRECT EXPANSION REFRIGERATION PIPING CONNECTION TO REMOTE HEADER.
 - OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING: TIGHT TO MEZZANINE, COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING AND SPECIALTY INSTALLATION.
 - OVERHEAD DIRECT EXPANSION REFRIGERATION PIPING DROP THROUGH MEZZANINE FLOOR REFRIGERATION.
 - NEW DIRECT EXPANSION REFRIGERATION PIPING TO TOP DUCTS EXISTING DIRECT EXPANSION REFRIGERATION PIPING WITH NEW TIE AND BALL VALVE.
 - EXISTING DIRECT EXPANSION REFRIGERATION PIPING AS PREPARED NEW BRANCH CIRCUIT LINE BEZING.
 - EXISTING DIRECT EXPANSION REFRIGERATION PIPING TO BE REMOVED AND CAPPED.
 - SEE DETAIL #1 ON THIS SHEET FOR DIRECT EXPANSION REFRIGERATION PIPING CONNECTIONS.
 - SEE DETAIL #2 ON THIS SHEET FOR DIRECT EXPANSION REFRIGERATION PIPING CONNECTIONS.

NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	DATE
1	PIPE 1/2" DIA. SCHEDULE 40	10.50	LN	1.50	15.75	1-10-20
2	PIPE 3/4" DIA. SCHEDULE 40	1.50	LN	2.00	3.00	1-10-20
3	PIPE 1" DIA. SCHEDULE 40	1.50	LN	2.50	3.75	1-10-20
4	PIPE 1 1/2" DIA. SCHEDULE 40	1.50	LN	3.50	5.25	1-10-20
5	PIPE 2" DIA. SCHEDULE 40	1.50	LN	4.50	6.75	1-10-20
6	PIPE 2 1/2" DIA. SCHEDULE 40	1.50	LN	5.50	8.25	1-10-20
7	PIPE 3" DIA. SCHEDULE 40	1.50	LN	6.50	9.75	1-10-20
8	PIPE 3 1/2" DIA. SCHEDULE 40	1.50	LN	7.50	11.25	1-10-20
9	PIPE 4" DIA. SCHEDULE 40	1.50	LN	8.50	12.75	1-10-20
10	PIPE 4 1/2" DIA. SCHEDULE 40	1.50	LN	9.50	14.25	1-10-20
11	PIPE 5" DIA. SCHEDULE 40	1.50	LN	10.50	15.75	1-10-20
12	PIPE 5 1/2" DIA. SCHEDULE 40	1.50	LN	11.50	17.25	1-10-20
13	PIPE 6" DIA. SCHEDULE 40	1.50	LN	12.50	18.75	1-10-20
14	PIPE 6 1/2" DIA. SCHEDULE 40	1.50	LN	13.50	20.25	1-10-20
15	PIPE 7" DIA. SCHEDULE 40	1.50	LN	14.50	21.75	1-10-20
16	PIPE 7 1/2" DIA. SCHEDULE 40	1.50	LN	15.50	23.25	1-10-20
17	PIPE 8" DIA. SCHEDULE 40	1.50	LN	16.50	24.75	1-10-20
18	PIPE 8 1/2" DIA. SCHEDULE 40	1.50	LN	17.50	26.25	1-10-20
19	PIPE 9" DIA. SCHEDULE 40	1.50	LN	18.50	27.75	1-10-20
20	PIPE 9 1/2" DIA. SCHEDULE 40	1.50	LN	19.50	29.25	1-10-20
21	PIPE 10" DIA. SCHEDULE 40	1.50	LN	20.50	30.75	1-10-20
22	PIPE 10 1/2" DIA. SCHEDULE 40	1.50	LN	21.50	32.25	1-10-20
23	PIPE 11" DIA. SCHEDULE 40	1.50	LN	22.50	33.75	1-10-20
24	PIPE 11 1/2" DIA. SCHEDULE 40	1.50	LN	23.50	35.25	1-10-20
25	PIPE 12" DIA. SCHEDULE 40	1.50	LN	24.50	36.75	1-10-20
26	PIPE 12 1/2" DIA. SCHEDULE 40	1.50	LN	25.50	38.25	1-10-20
27	PIPE 13" DIA. SCHEDULE 40	1.50	LN	26.50	39.75	1-10-20
28	PIPE 13 1/2" DIA. SCHEDULE 40	1.50	LN	27.50	41.25	1-10-20
29	PIPE 14" DIA. SCHEDULE 40	1.50	LN	28.50	42.75	1-10-20
30	PIPE 14 1/2" DIA. SCHEDULE 40	1.50	LN	29.50	44.25	1-10-20
31	PIPE 15" DIA. SCHEDULE 40	1.50	LN	30.50	45.75	1-10-20
32	PIPE 15 1/2" DIA. SCHEDULE 40	1.50	LN	31.50	47.25	1-10-20
33	PIPE 16" DIA. SCHEDULE 40	1.50	LN	32.50	48.75	1-10-20
34	PIPE 16 1/2" DIA. SCHEDULE 40	1.50	LN	33.50	50.25	1-10-20
35	PIPE 17" DIA. SCHEDULE 40	1.50	LN	34.50	51.75	1-10-20
36	PIPE 17 1/2" DIA. SCHEDULE 40	1.50	LN	35.50	53.25	1-10-20
37	PIPE 18" DIA. SCHEDULE 40	1.50	LN	36.50	54.75	1-10-20
38	PIPE 18 1/2" DIA. SCHEDULE 40	1.50	LN	37.50	56.25	1-10-20
39	PIPE 19" DIA. SCHEDULE 40	1.50	LN	38.50	57.75	1-10-20
40	PIPE 19 1/2" DIA. SCHEDULE 40	1.50	LN	39.50	59.25	1-10-20
41	PIPE 20" DIA. SCHEDULE 40	1.50	LN	40.50	60.75	1-10-20
42	PIPE 20 1/2" DIA. SCHEDULE 40	1.50	LN	41.50	62.25	1-10-20
43	PIPE 21" DIA. SCHEDULE 40	1.50	LN	42.50	63.75	1-10-20
44	PIPE 21 1/2" DIA. SCHEDULE 40	1.50	LN	43.50	65.25	1-10-20
45	PIPE 22" DIA. SCHEDULE 40	1.50	LN	44.50	66.75	1-10-20
46	PIPE 22 1/2" DIA. SCHEDULE 40	1.50	LN	45.50	68.25	1-10-20
47	PIPE 23" DIA. SCHEDULE 40	1.50	LN	46.50	69.75	1-10-20
48	PIPE 23 1/2" DIA. SCHEDULE 40	1.50	LN	47.50	71.25	1-10-20
49	PIPE 24" DIA. SCHEDULE 40	1.50	LN	48.50	72.75	1-10-20
50	PIPE 24 1/2" DIA. SCHEDULE 40	1.50	LN	49.50	74.25	1-10-20
51	PIPE 25" DIA. SCHEDULE 40	1.50	LN	50.50	75.75	1-10-20
52	PIPE 25 1/2" DIA. SCHEDULE 40	1.50	LN	51.50	77.25	1-10-20
53	PIPE 26" DIA. SCHEDULE 40	1.50	LN	52.50	78.75	1-10-20
54	PIPE 26 1/2" DIA. SCHEDULE 40	1.50	LN	53.50	80.25	1-10-20
55	PIPE 27" DIA. SCHEDULE 40	1.50	LN	54.50	81.75	1-10-20
56	PIPE 27 1/2" DIA. SCHEDULE 40	1.50	LN	55.50	83.25	1-10-20
57	PIPE 28" DIA. SCHEDULE 40	1.50	LN	56.50	84.75	1-10-20
58	PIPE 28 1/2" DIA. SCHEDULE 40	1.50	LN	57.50	86.25	1-10-20
59	PIPE 29" DIA. SCHEDULE 40	1.50	LN	58.50	87.75	1-10-20
60	PIPE 29 1/2" DIA. SCHEDULE 40	1.50	LN	59.50	89.25	1-10-20
61	PIPE 30" DIA. SCHEDULE 40	1.50	LN	60.50	90.75	1-10-20
62	PIPE 30 1/2" DIA. SCHEDULE 40	1.50	LN	61.50	92.25	1-10-20
63	PIPE 31" DIA. SCHEDULE 40	1.50	LN	62.50	93.75	1-10-20
64	PIPE 31 1/2" DIA. SCHEDULE 40	1.50	LN	63.50	95.25	1-10-20
65	PIPE 32" DIA. SCHEDULE 40	1.50	LN	64.50	96.75	1-10-20
66	PIPE 32 1/2" DIA. SCHEDULE 40	1.50	LN	65.50	98.25	1-10-20
67	PIPE 33" DIA. SCHEDULE 40	1.50	LN	66.50	99.75	1-10-20
68	PIPE 33 1/2" DIA. SCHEDULE 40	1.50	LN	67.50	101.25	1-10-20
69	PIPE 34" DIA. SCHEDULE 40	1.50	LN	68.50	102.75	1-10-20
70	PIPE 34 1/2" DIA. SCHEDULE 40	1.50	LN	69.50	104.25	1-10-20
71	PIPE 35" DIA. SCHEDULE 40	1.50	LN	70.50	105.75	1-10-20
72	PIPE 35 1/2" DIA. SCHEDULE 40	1.50	LN	71.50	107.25	1-10-20
73	PIPE 36" DIA. SCHEDULE 40	1.50	LN	72.50	108.75	1-10-20
74	PIPE 36 1/2" DIA. SCHEDULE 40	1.50	LN	73.50	110.25	1-10-20
75	PIPE 37" DIA. SCHEDULE 40	1.50	LN	74.50	111.75	1-10-20
76	PIPE 37 1/2" DIA. SCHEDULE 40	1.50	LN	75.50	113.25	1-10-20
77	PIPE 38" DIA. SCHEDULE 40	1.50	LN	76.50	114.75	1-10-20
78	PIPE 38 1/2" DIA. SCHEDULE 40	1.50	LN	77.50	116.25	1-10-20
79	PIPE 39" DIA. SCHEDULE 40	1.50	LN	78.50	117.75	1-10-20
80	PIPE 39 1/2" DIA. SCHEDULE 40	1.50	LN	79.50	119.25	1-10-20
81	PIPE 40" DIA. SCHEDULE 40	1.50	LN	80.50	120.75	1-10-20
82	PIPE 40 1/2" DIA. SCHEDULE 40	1.50	LN	81.50	122.25	1-10-20
83	PIPE 41" DIA. SCHEDULE 40	1.50	LN	82.50	123.75	1-10-20
84	PIPE 41 1/2" DIA. SCHEDULE 40	1.50	LN	83.50	125.25	1-10-20
85	PIPE 42" DIA. SCHEDULE 40	1.50	LN	84.50	126.75	1-10-20
86	PIPE 42 1/2" DIA. SCHEDULE 40	1.50	LN	85.50	128.25	1-10-20
87	PIPE 43" DIA. SCHEDULE 40	1.50	LN	86.50	129.75	1-10-20
88	PIPE 43 1/2" DIA. SCHEDULE 40	1.50	LN	87.50	131.25	1-10-20
89	PIPE 44" DIA. SCHEDULE 40	1.50	LN	88.50	132.75	1-10-20
90	PIPE 44 1/2" DIA. SCHEDULE 40	1.50	LN	89.50	134.25	1-10-20
91	PIPE 45" DIA. SCHEDULE 40	1.50	LN	90.50	135.75	1-10-20
92	PIPE 45 1/2" DIA. SCHEDULE 40	1.50	LN	91.50	137.25	1-10-20
93	PIPE 46" DIA. SCHEDULE 40	1.50	LN	92.50	138.75	1-10-20
94	PIPE 46 1/2" DIA. SCHEDULE 40	1.50	LN	93.50	140.25	1-10-20
95	PIPE 47" DIA. SCHEDULE 40	1.50	LN	94.50	141.75	1-10-20
96	PIPE 47 1/2" DIA. SCHEDULE 40	1.50	LN	95.50	143.25	1-10-20
97	PIPE 48" DIA. SCHEDULE 40	1.50	LN	96.50	144.75	1-10-20
98	PIPE 48 1/2" DIA. SCHEDULE 40	1.50	LN	97.50	146.25	1-10-20
99	PIPE 49" DIA. SCHEDULE 40	1.50	LN	98.50	147.75	1-10-20
100	PIPE 49 1/2" DIA. SCHEDULE 40	1.50	LN	99.50	149.25	1-10-20
101	PIPE 50" DIA. SCHEDULE 40	1.50	LN	100.50	150.75	1-10-20
102	PIPE 50 1/2" DIA. SCHEDULE 40	1.50	LN	101.50	152.25	1-10-20
103	PIPE 51" DIA. SCHEDULE 40	1.50	LN	102.50	153.75	1-10-20
104	PIPE 51 1/2" DIA. SCHEDULE 40	1.50	LN	103.50	155.25	1-10-20
105	PIPE 52" DIA. SCHEDULE 40	1.50	LN	104.50	156.75	1-10-20
106	PIPE 52 1/2" DIA. SCHEDULE 40	1.50	LN	105.50	158.25	1-10-20
107	PIPE 53" DIA. SCHEDULE 40	1.50	LN	106.50	159.75	1-10-20
108	PIPE 53 1/2" DIA. SCHEDULE 40	1.50	LN	107.50	161.25	1-10-20
109	PIPE 54" DIA. SCHEDULE 40	1.50	LN	108.50	162.75	1-10-20
110	PIPE 54 1/2" DIA. SCHEDULE 40	1.50	LN	109.50	164.25	1-10-20
111	PIPE 55" DIA. SCHEDULE 40	1.50	LN	110.50	165.75	1-10-20
112	PIPE 55 1/2" DIA. SCHEDULE 40	1.50	LN	111.50	167.25	1-10-20
113	PIPE 56" DIA. SCHEDULE 40	1.50	LN	112.50	168.75	1-10-20
114	PIPE 56 1/2" DIA. SCHEDULE 40	1.50	LN	113.50	170.25	1-10-20
115	PIPE 57" DIA. SCHEDULE 40	1.50	LN	114.50	171.75	1-10-20
116	PIPE 57 1/2" DIA. SCHEDULE 40	1.50	LN	115.50	173.25	1-10-20
117	PIPE 58" DIA. SCHEDULE 40	1.50	LN	116.50	174.75	1-10-20
118	PIPE 58 1/2" DIA. SCHEDULE 40	1.50	LN	117.50	176.25	1-10-20
119	PIPE 59" DIA. SCHEDULE 40	1.50	LN	118.50	177.75	1-10-20
120	PIPE 59 1/2" DIA. SCHEDULE 40	1.50	LN	119.50	179.25	1-10-20
121	PIPE 60" DIA. SCHEDULE 40	1.50	LN	120.50	180.75	1-10-20
122	PIPE 60 1/2" DIA. SCHEDULE 40	1.50	LN	121.50	182.25	1-10-20
123	PIPE 61" DIA. SCHEDULE 40	1.50	LN	122.50	183.75	1-10-20
124	PIPE 61 1/2" DIA. SCHEDULE 40	1.50	LN	123.50	185.25	1-10-20
125	PIPE 62" DIA. SCHEDULE 40	1.50	LN	124.50	186.75	1-10-20
126	PIPE 62 1/2" DIA. SCHEDULE 40	1.50	LN	125.50	188.25	1-10-20
127	PIPE 63" DIA. SCHEDULE 40	1.50	LN	126.50	189.75	1-10-20
128	PIPE 63 1/2" DIA. SCHEDULE 40	1.50	LN	127.50	191.25	1-10-20
129	PIPE 64" DIA. SCHEDULE 40	1.50	LN	128.50	192.75	1-10-20
130	PIPE 64 1/2" DIA. SCHEDULE 40	1.50	LN	129.50	194.25	1-10-20
131	PIPE 65" DIA. SCHEDULE 40	1.50	LN	130.50	195.75	1-10-20
132	PIPE 65 1/2" DIA. SCHEDULE 40	1.50	LN	131.50	197.25	1-10-20
133	PIPE 66" DIA. SCHEDULE 40	1.50	LN	132.50	198.75	1-10-20
134	PIPE 66 1/2" DIA. SCHEDULE 40	1.50	LN	133.50	200.25	1-10-20
135	PIPE 67" DIA. SCHEDULE 40	1.50	LN	134.50	201.75	1-10-20
136	PIPE 67 1/2" DIA. SCHEDULE 40	1.50	LN	135.50	203.25	1-10-20
137	PIPE 68" DIA. SCHEDULE 40	1.50	LN	136.50	204.75	1-10-20
138	PIPE 68 1/2" DIA. SCHEDULE 40	1.5				