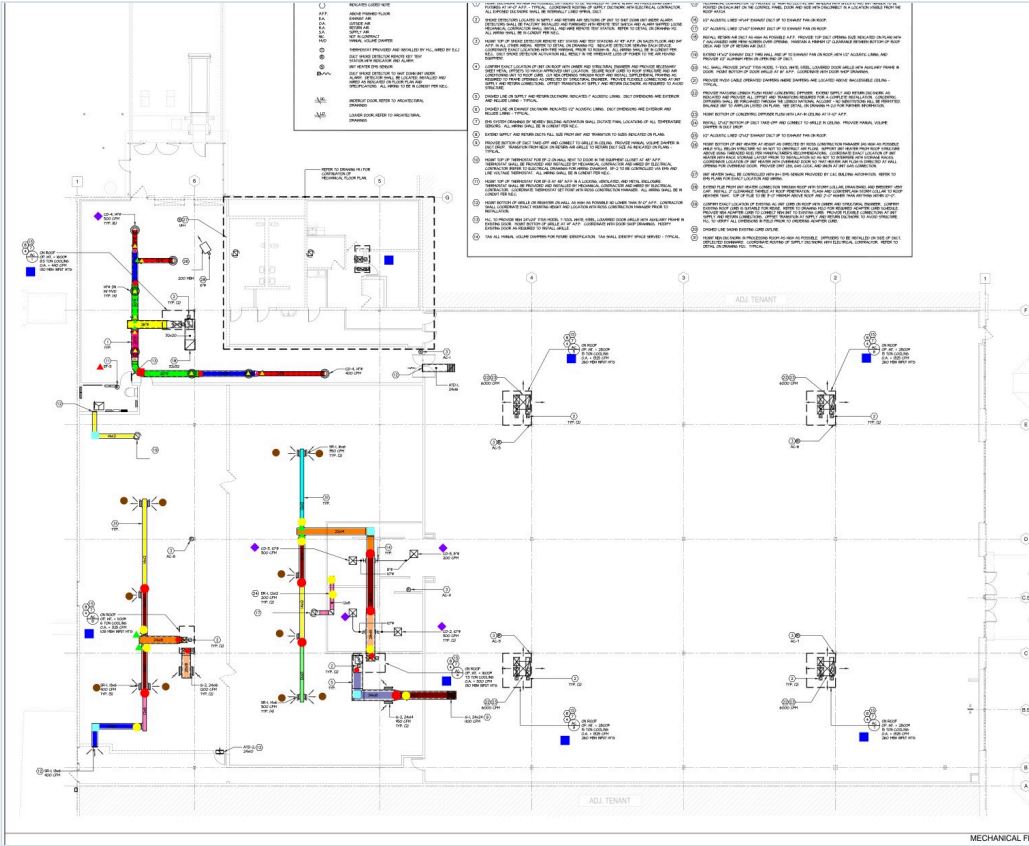




MARKUP LEGEND

Legend		
Label	Quantity	Unit
12 x 8 Rectangular Duct	20,796.6	ft
12 x 10 Rectangular Duct	15,000.0	ft
12 x 12 Rectangular Duct	20,484.4	ft
14 x 12 Rectangular Duct	53,253.3	ft
14" Dia Piping	9,245.0	ft
14" Dia Piping	22,473.1	ft
16 x 8 Rectangular Duct	17,955.0	ft
16 x 12 Rectangular Duct	35,680.0	ft
18" Dia Piping	7,506.7	ft
18" Dia Piping	13,746.7	ft
20" Dia Piping	27,857.7	ft
20" Dia Piping	7,333.3	ft
22x14 Rectangular Duct	25,927.0	ft
24 x 18 Rectangular Duct	11,734.4	ft
24" Dia Piping	10,413.3	ft
26x12 Rectangular Duct	14,760.0	ft
26x14 Rectangular Duct	14,253.3	ft
28x18 Rectangular Duct	20,575.3	ft
34x18 Rectangular Duct	16,202.0	ft
Air Device CD-2	2	Count
Air Device CD-3	2	Count
Air Device CD-4	1	Count
Air Device SR-1	11	Count
Circular Reducer from 22" to 20"	1	Count
Circular Reducer from 18" to 14"	2	Count
Circular Reducer from 20" to 18"	2	Count
Connection Tee from 18" to 14"	1	Count
Connection Tee from 20" to 22"	2	Count
Duct Square Bend	4	Count
Exhaust Fan EF-1	1	Count
Manual Volume Dampers	9	Count
Manual Volume Dampers	9	Count
Rectangular Branching Duct and Connection	4	Count
Rectangular Duct Transition	4	Count
Rectangular Duct Transition	7	Count
Rectangular Reducer	1	Count
RTU AC-1	1	Count
RTU AC-2	1	Count
RTU AC-3	1	Count
RTU AC-4	1	Count
RTU AC-5	1	Count
RTU AC-6	1	Count
RTU AC-7	1	Count
RTU AC-8	1	Count

Duct LF by size, fittings and devices by count.
Totals roll straight into the Excel takeoff.

WHAT YOU GET

- Duct LF by shape and size, waste factor applied
- Equipment schedules carried with make, model, CFM and gas input
- Air devices, dampers and controls counted by tag
- Curbs, economizers and smoke detection called out
- Plumbing and electrical on the same job taken off alongside

Markup: mechanical floor plan (M1.0). Each duct size is its own color and layer; equipment and air devices counted by tag.

QUANTITY OUTPUT (from the Excel takeoff)

Item	Sheet	Qty	Unit	Waste	Qty w/ waste
EQUIPMENT					
Rooftop units AC-1 to AC-8, gas heat, 2,000 to 6,000 CFM	M1.0 / M2.0	8	EA	0%	8
Unit heater UH-1 and exhaust fans EF-1 to EF-4	M1.0 / M2.0	5	EA	0%	5
Roof curbs, adapter curb and economizers	M1.0 / M2.0	16	EA	0%	16
Duct smoke detectors and remote test stations	M1.0	24	EA	0%	24
DUCTWORK (galvanized)					
Round duct, 6 sizes from 6" to 26"	M1.0 / M1.1	108.7	LF	10%	119.5
Rectangular duct, 19 sizes from 6x6 to 34x18	M1.0 / M1.1	477.7	LF	10%	525.4
Fittings: transitions, tees, reducers, square bends	M1.0	46	EA	0%	46
AIR DEVICES AND CONTROLS (tagged, with make/model)					
Supply and VAV diffusers CD-1 to CD-4	M1.0 / M2.0	15	EA	0%	15
Return grilles, bar grilles, registers, door grilles	M1.0 / M2.0	22	EA	0%	22
MVD-1 manual volume dampers	M1.0 / M2.0	25	EA	0%	25
Thermostats and temperature sensors	M1.0	10	EA	0%	10