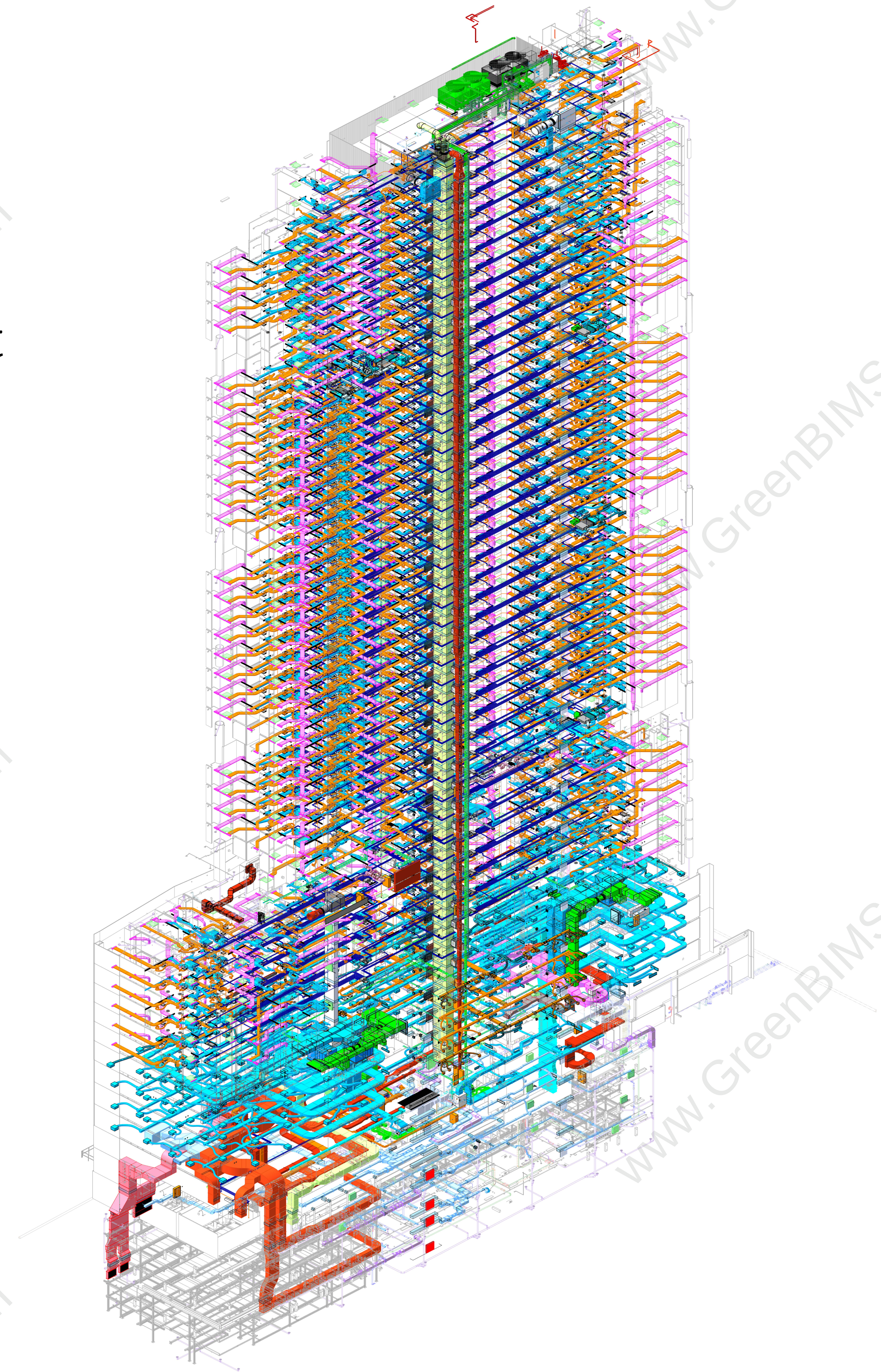
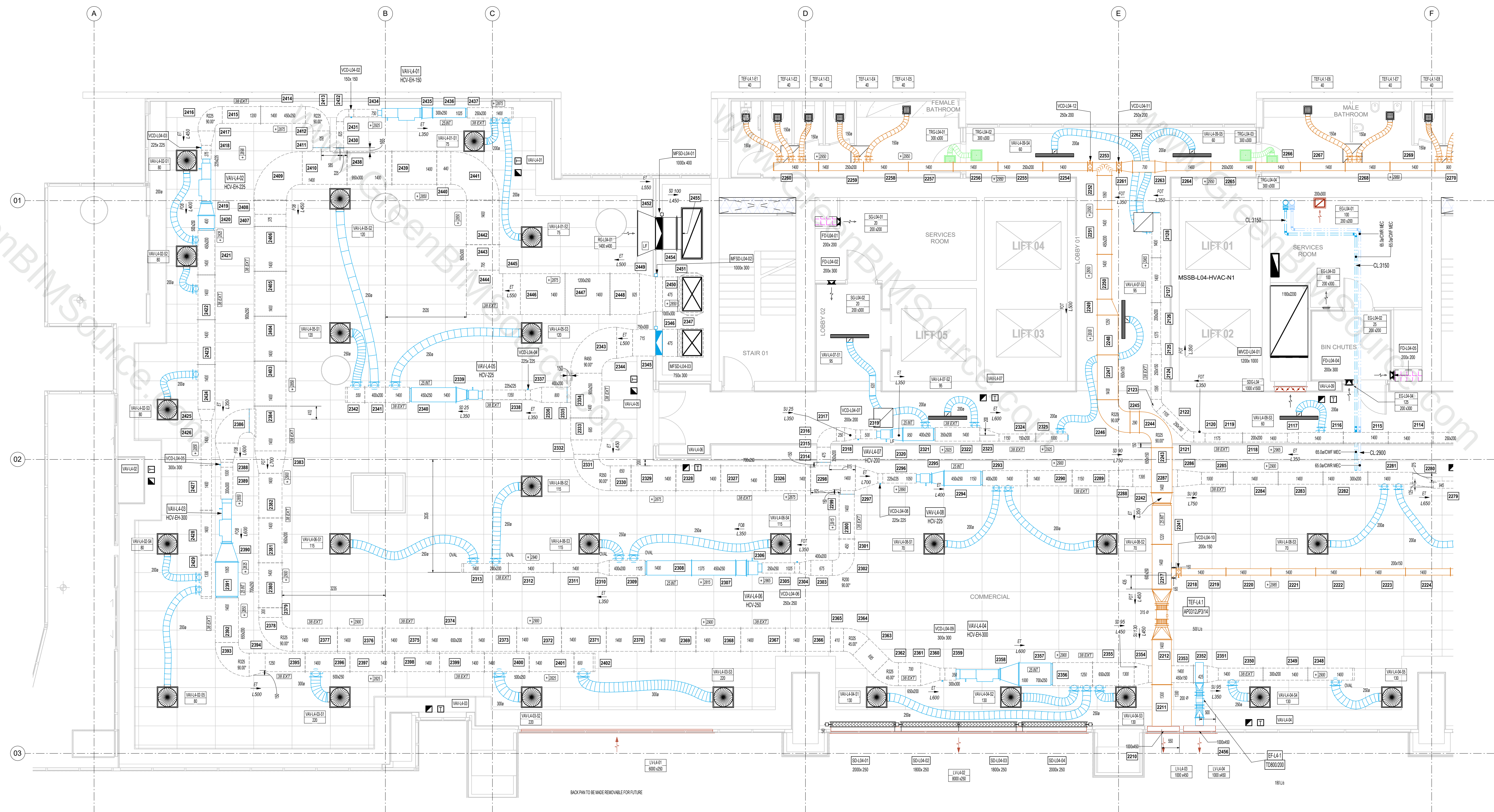


Commercial Building (Hotel) Project

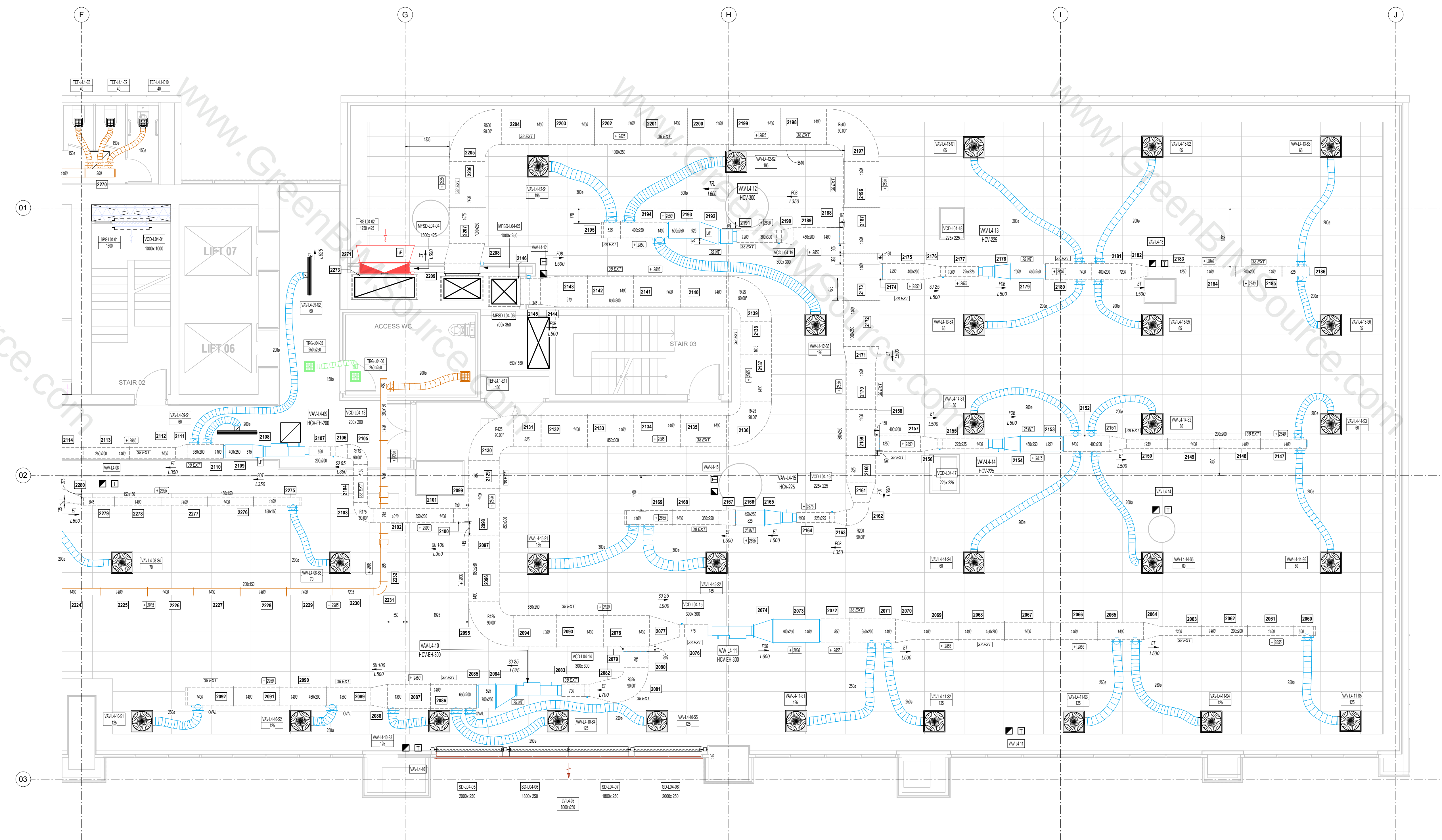
Mechanical Modeling
DuctWork and PipeWork

Revit 2022

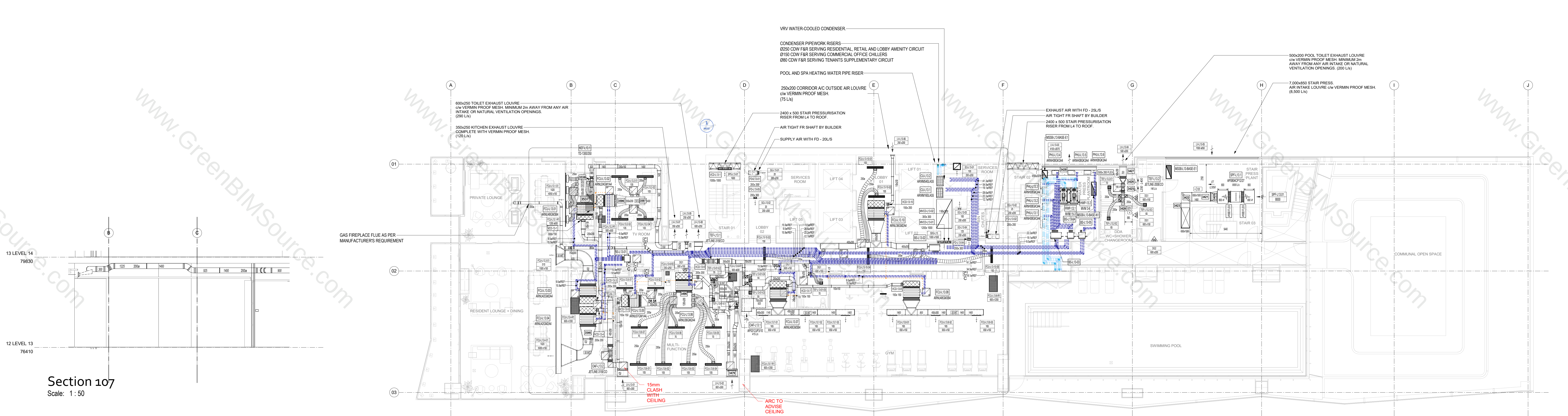




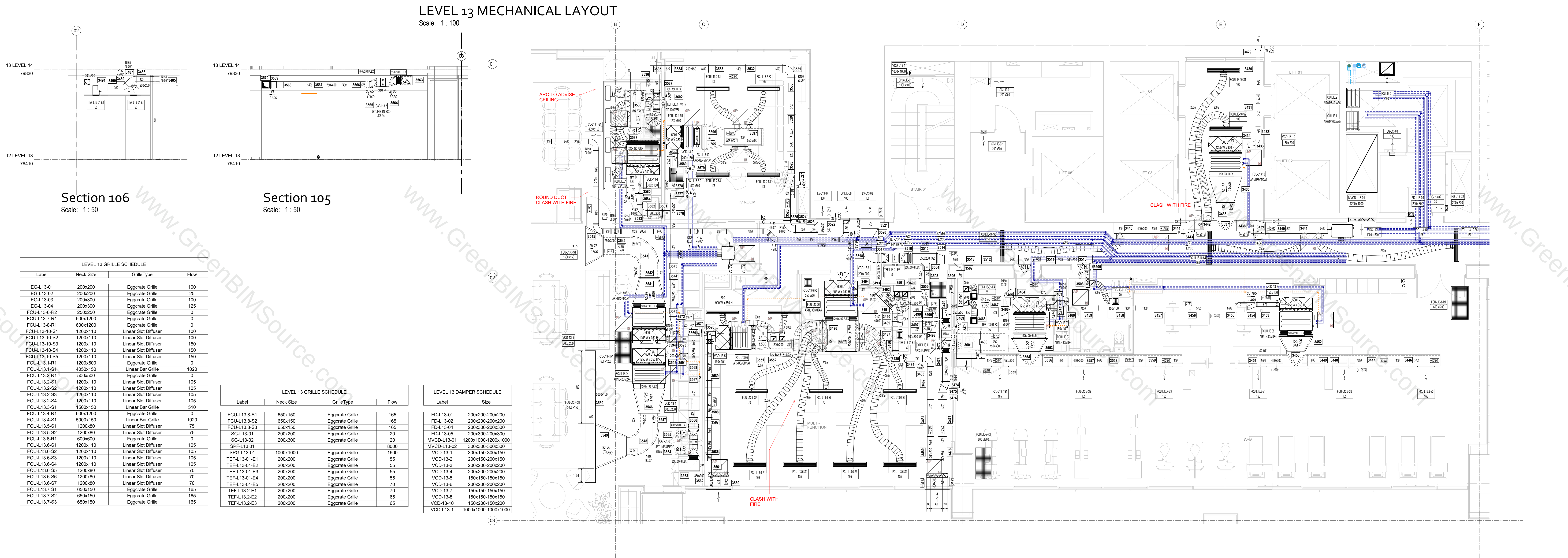
LEVEL 4 MECHANICAL LAYOUT o1
Scale: 1:65



LEVEL 4 MECHANICAL LAYOUT o2
Scale: 1:65



Section 107
Scale: 1:50



Section 106
Scale: 1:50

Section 105
Scale: 1:50

LEVEL 13 GRILLE SCHEDULE			
Label	Neck Size	Grille Type	Flow
EG-L13-01	200x200	Eggcrate Grille	100
EG-L13-02	200x200	Eggcrate Grille	25
EG-L13-03	200x300	Eggcrate Grille	100
EG-L13-04	200x300	Eggcrate Grille	125
FCUL-L13-6-R2	250x250	Eggcrate Grille	0
FCUL-L13-7-R1	600x1200	Eggcrate Grille	0
FCUL-L13-8-R1	600x1200	Eggcrate Grille	0
FCUL-L13-10-S1	1200x110	Linear Slot Diffuser	100
FCUL-L13-10-S2	1200x110	Linear Slot Diffuser	100
FCUL-L13-10-S3	1200x110	Linear Slot Diffuser	150
FCUL-L13-10-S4	1200x110	Linear Slot Diffuser	150
FCUL-L13-10-S5	1200x110	Linear Slot Diffuser	150
FCUL-L13-1-R1	1200x600	Eggcrate Grille	0
FCUL-L13-1-S1	400x150	Linear Bar Grille	1020
FCUL-L13-2-R1	500x200	Eggcrate Grille	0
FCUL-L13-2-S1	1200x110	Linear Slot Diffuser	105
FCUL-L13-2-S2	1200x110	Linear Slot Diffuser	105
FCUL-L13-2-S3	1200x110	Linear Slot Diffuser	105
FCUL-L13-2-S4	1200x110	Linear Slot Diffuser	105
FCUL-L13-3-S1	1500x150	Linear Bar Grille	510
FCUL-L13-4-R1	600x1200	Eggcrate Grille	0
FCUL-L13-4-S1	500x150	Linear Bar Grille	1020
FCUL-L13-5-S1	1200x80	Linear Slot Diffuser	75
FCUL-L13-5-S2	1200x80	Linear Slot Diffuser	75
FCUL-L13-6-R1	600x600	Eggcrate Grille	0
FCUL-L13-6-S1	1200x110	Linear Slot Diffuser	105
FCUL-L13-6-S2	1200x110	Linear Slot Diffuser	105
FCUL-L13-6-S3	1200x110	Linear Slot Diffuser	105
FCUL-L13-6-S4	1200x110	Linear Slot Diffuser	105
FCUL-L13-6-S5	1200x80	Linear Slot Diffuser	70
FCUL-L13-6-S6	1200x80	Linear Slot Diffuser	70
FCUL-L13-6-S7	1200x80	Linear Slot Diffuser	70
FCUL-L13-7-S1	650x150	Eggcrate Grille	165
FCUL-L13-7-S2	650x150	Eggcrate Grille	165
FCUL-L13-7-S3	650x150	Eggcrate Grille	165

LEVEL 13 GRILLE SCHEDULE			
Label	Neck Size	Grille Type	Flow
FCUL-L13-8-S1	650x150	Eggcrate Grille	165
FCUL-L13-8-S2	650x150	Eggcrate Grille	165
FCUL-L13-8-S3	650x150	Eggcrate Grille	165
SG-L13-01	200x200	Eggcrate Grille	20
SG-L13-02	200x300	Eggcrate Grille	20
SPF-L13-01	1000x1000	Eggcrate Grille	8000
SPF-L13-01	200x200	Eggcrate Grille	1600
TEF-L13-01-E1	200x200	Eggcrate Grille	55
TEF-L13-01-E2	200x200	Eggcrate Grille	55
TEF-L13-01-E3	200x200	Eggcrate Grille	55
TEF-L13-01-E4	200x200	Eggcrate Grille	55
TEF-L13-01-E5	200x200	Eggcrate Grille	70
TEF-L13-2-E1	200x200	Eggcrate Grille	70
TEF-L13-2-E2	200x200	Eggcrate Grille	65
TEF-L13-2-E3	200x200	Eggcrate Grille	65

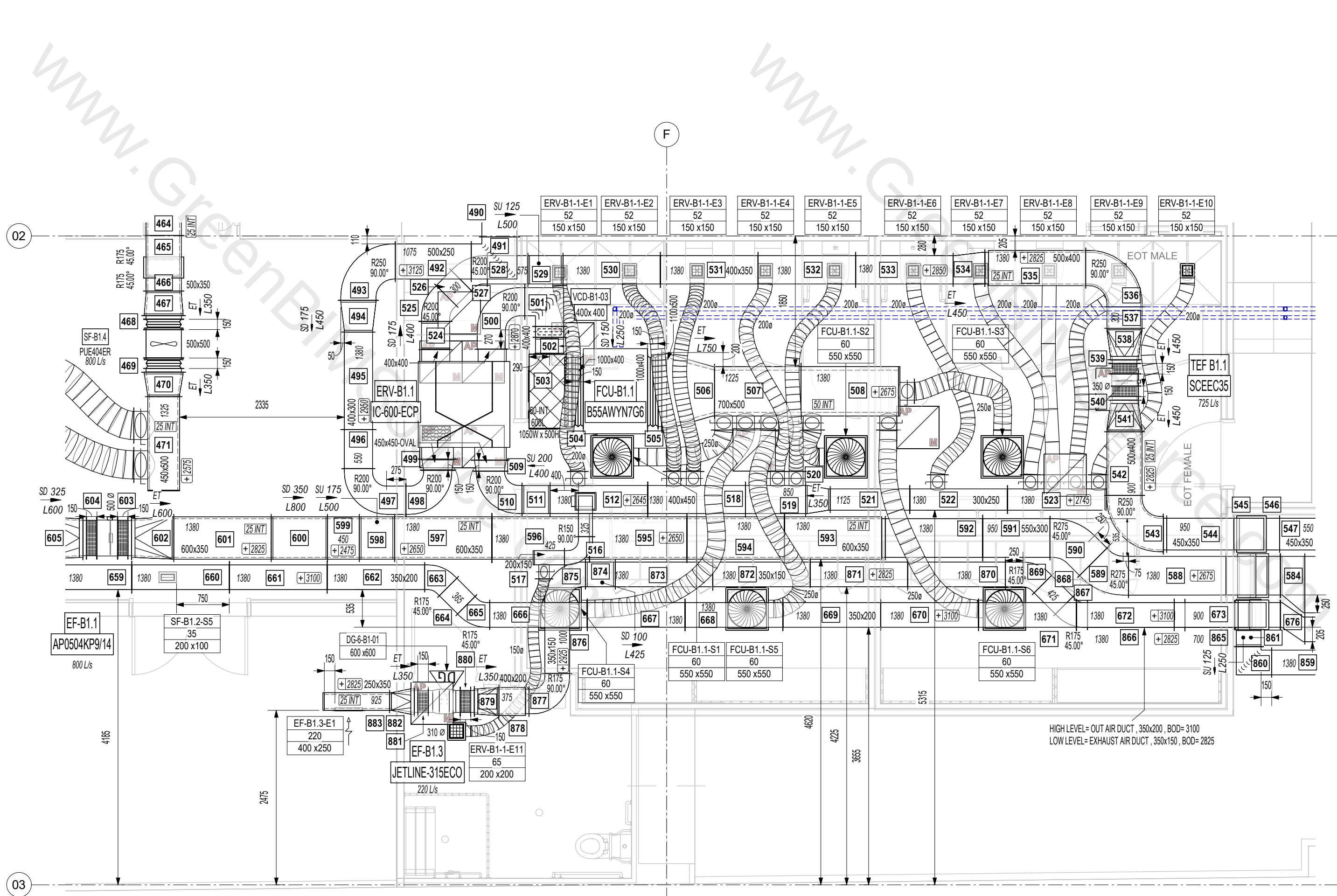
LEVEL 13 DAMPER SCHEDULE	
Label	Size
FD-L13-01	200x200-200x200
FD-L13-02	200x200-200x200
FD-L13-04	200x200-200x200
FD-L13-05	200x300-200x150
FD-L13-06	200x150-200x150
MVCD-L13-01	1200x1000-1200x1000
MVCD-L13-02	300x300-300x300
VCD-L13-1	300x150-300x150
VCD-L13-2	200x150-200x150
VCD-L13-3	200x200-200x200
VCD-L13-4	200x200-200x200
VCD-L13-5	150x150-150x150
VCD-L13-6	200x200-200x200
VCD-L13-7	150x150-150x150
VCD-L13-8	150x150-150x150
VCD-L13-10	150x200-150x200
VCD-L13-11	1000x1000-1000x1000

LEVEL 13 MECHANICAL LAYOUT - Callout 1
Scale: 1:50

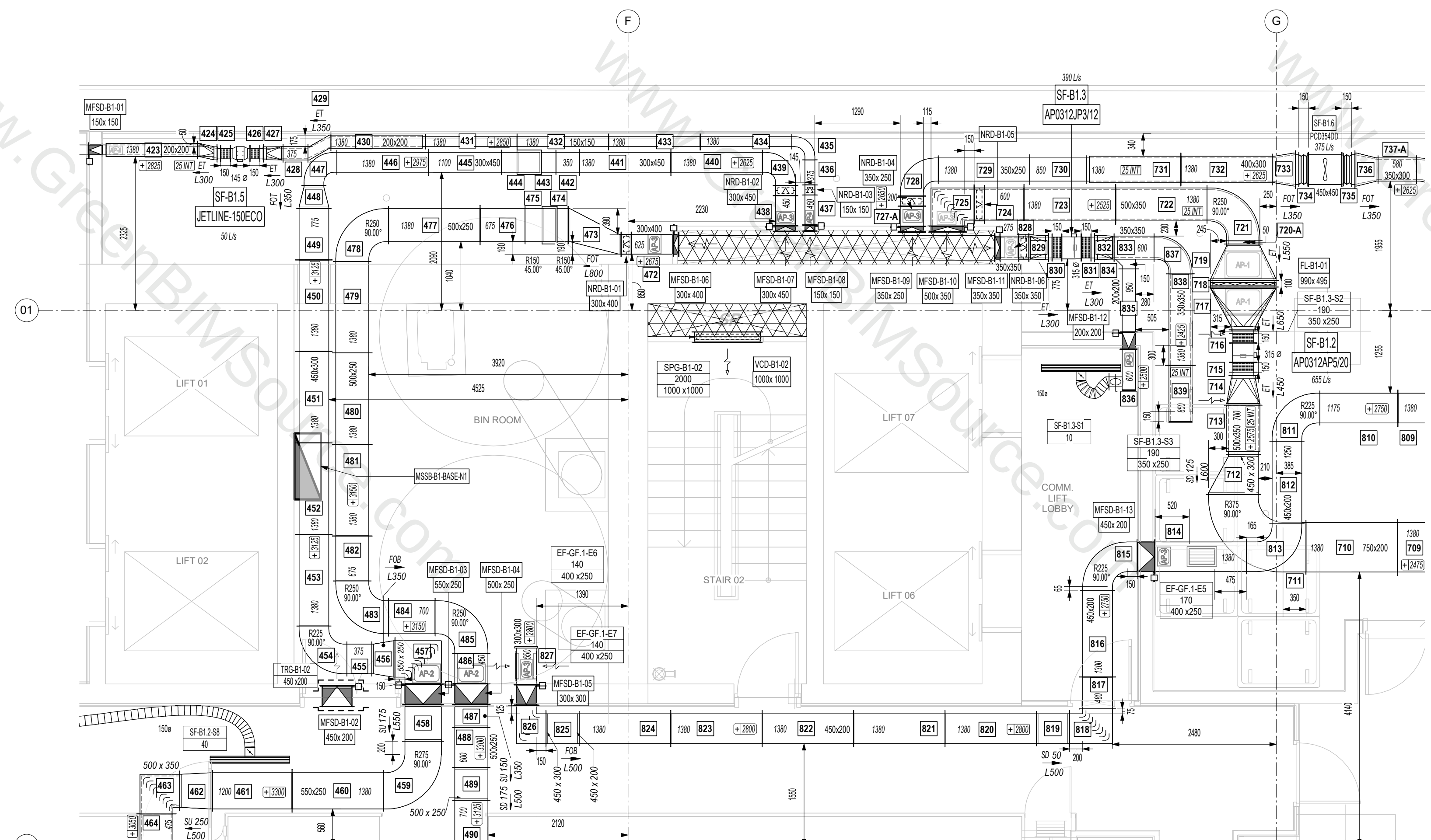
BASEMENT 1 GRILLE SCHEDULE				
Label	Face Size	Neck Size	GrilleType	Flow
EF-B1-1-E1	800x600	550x550	Eggcrate Grille	400
EF-B1-1-E2	800x600	550x550	Eggcrate Grille	400
EF-B1-2-E1	800x550	750x500	Linear Bar Grille	1250
EF-B1-2-E2	800x550	750x500	Linear Bar Grille	1250
EF-B1-3-E1	450x300	400x250	Eggcrate Grille	220
EF-GF-1-E2	450x200	400x150	Linear Bar Grille	140
EF-GF-1-E3	450x200	400x150	Linear Bar Grille	200
EF-GF-1-E4	450x200	400x150	Linear Bar Grille	340
EF-GF-1-E5	450x300	400x250	Linear Bar Grille	170
EF-GF-1-E6	450x300	400x250	Linear Bar Grille	140
EF-GF-1-E7	450x300	400x250	Linear Bar Grille	140
ERV-B1-1-E1	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E2	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E3	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E4	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E5	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E6	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E7	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E8	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E9	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E10	200x200	150x150	Eggcrate Grille	52
ERV-B1-1-E11	250x250	200x200	Eggcrate Grille	65
FCU-B1-1-S1	600x600	550x550	Swirl Diffuser Square Face	60
FCU-B1-1-S2	600x600	550x550	Swirl Diffuser Square Face	60
FCU-B1-1-S3	600x600	550x550	Swirl Diffuser Square Face	60
FCU-B1-1-S4	600x600	550x550	Swirl Diffuser Square Face	60
FCU-B1-1-S5	600x600	550x550	Swirl Diffuser Square Face	60
FCU-B1-1-S6	600x600	550x550	Swirl Diffuser Square Face	60
SF-B1-1-S1	550x800	500x750	Linear Bar Grille	1250
SF-B1-1-S2	550x800	500x750	Linear Bar Grille	1250
SF-B1-2-S1	250x150	200x100	Linear Bar Grille	75
SF-B1-2-S2	250x150	200x100	Linear Bar Grille	75
SF-B1-2-S3	250x150	200x100	Linear Bar Grille	75
SF-B1-2-S4	250x150	200x100	Linear Bar Grille	75
SF-B1-2-S5	250x150	200x100	Linear Bar Grille	35
SF-B1-2-S6	250x150	200x100	Eggcrate Grille	40
SF-B1-2-S7	3-Slot	1200x110	Linear Slot Diffuser	40
SF-B1-2-S8	3-Slot	1200x110	Linear Slot Diffuser	40
SF-B1-2-S9	250x150	200x100	Eggcrate Grille	40
SF-B1-2-S10	250x150	200x100	Linear Bar Grille	40
SF-B1-2-S11	250x150	200x100	Linear Bar Grille	40
SF-B1-2-S12	250x150	200x100	Linear Bar Grille	40
SF-B1-2-S13	250x150	200x100	Linear Bar Grille	40
SF-B1-3-S1	3-Slot	1200x110	Linear Slot Diffuser	10
SF-B1-3-S2	400x300	350x250	Linear Bar Grille	190
SF-B1-3-S3	400x300	350x250	Linear Bar Grille	190
SF-B1-4-S1	600x600	550x550	Louvre Faced Diffuser	400
SF-B1-4-S2	600x600	550x550	Louvre Faced Diffuser	400
SF-B1-5-S1	3-Slot	1200x110	Linear Slot Diffuser	25
SF-B1-5-S2	3-Slot	1200x110	Linear Slot Diffuser	25
SF-B1-5-S3	200x200	150x150	Linear Bar Grille	20
SF-B1-6-S1	250x150	200x100	Linear Bar Grille	20
SF-B1-6-S2	250x150	200x100	Linear Bar Grille	40
SF-B1-6-S3	300x200	250x150	Linear Bar Grille	150
SF-B1-6-S4	300x200	250x150	Linear Bar Grille	150
SF-B1-6-S5	300x200	250x150	Linear Bar Grille	150
SPG-B1-01	1050x1050	1000x1000	Linear Bar Grille	2000
SPG-B1-02	1050x1050	1000x1000	Linear Bar Grille	2000
TRG-B1-01	300x300	250x250	Linear Bar Grille	0
TRG-B1-02	500x250	450x200	Linear Bar Grille	0
TRG-B1-03	650x200	600x150	Linear Bar Grille	0

BASEMENT 1 DAMPER SCHEDULE	
Label	Size
FD-B1-01	150x150-150x150
MFS-D-B1-01	150x150-150x150
MFS-D-B1-02	450x200-450x200
MFS-D-B1-03	550x250-550x250
MFS-D-B1-04	500x250-500x250
MFS-D-B1-05	300x300-300x300
MFS-D-B1-06	300x400-300x400
MFS-D-B1-07	300x450-300x450
MFS-D-B1-08	150x150-150x150
MFS-D-B1-09	350x250-350x250
MFS-D-B1-10	300x350-300x350
MFS-D-B1-11	350x350-350x350
MFS-D-B1-12	200x200-200x200
MFS-D-B1-13	450x200-450x200
MFS-D-B1-14	300x250-300x250
MFS-D-B1-15	450x200-450x200
MFS-D-B1-16	750x200-750x200
MFS-D-B1-17	300x250-300x250
MFS-D-B1-18	300x250-300x250
MFS-D-B1-19	300x250-300x250
MFS-D-B1-20	300x250-300x250
MFS-D-B1-21	600x150-600x150
MFS-D-B1-22	550x300-550x300
MFS-D-B1-23	450x300-450x300
MFS-D-B1-24	600x400-600x400
MFS-D-B1-25	250x200-250x200
NRD-B1-01	300x400-300x400
NRD-B1-02	300x450-300x450
NRD-B1-03	150x150-150x150
NRD-B1-04	350x250-350x250
NRD-B1-05	500x350-500x350
NRD-B1-06	350x350-350x350
VCD-B1-01	1000x1000-1000x1000
VCD-B1-02	1000x1000-1000x1000
VCD-B1-03	400x400-400x400
VCD-B1-04	400x1800-400x1800

BASEMENT 1 MECHANICAL LAYOUT
Scale: 1:100



1 BASEMENT 1 MECHANICAL LAYOUT - Callout 1
1:50



2 BASEMENT 1 MECHANICAL LAYOUT - Callout 2
1:50

3 Basement1-Clash