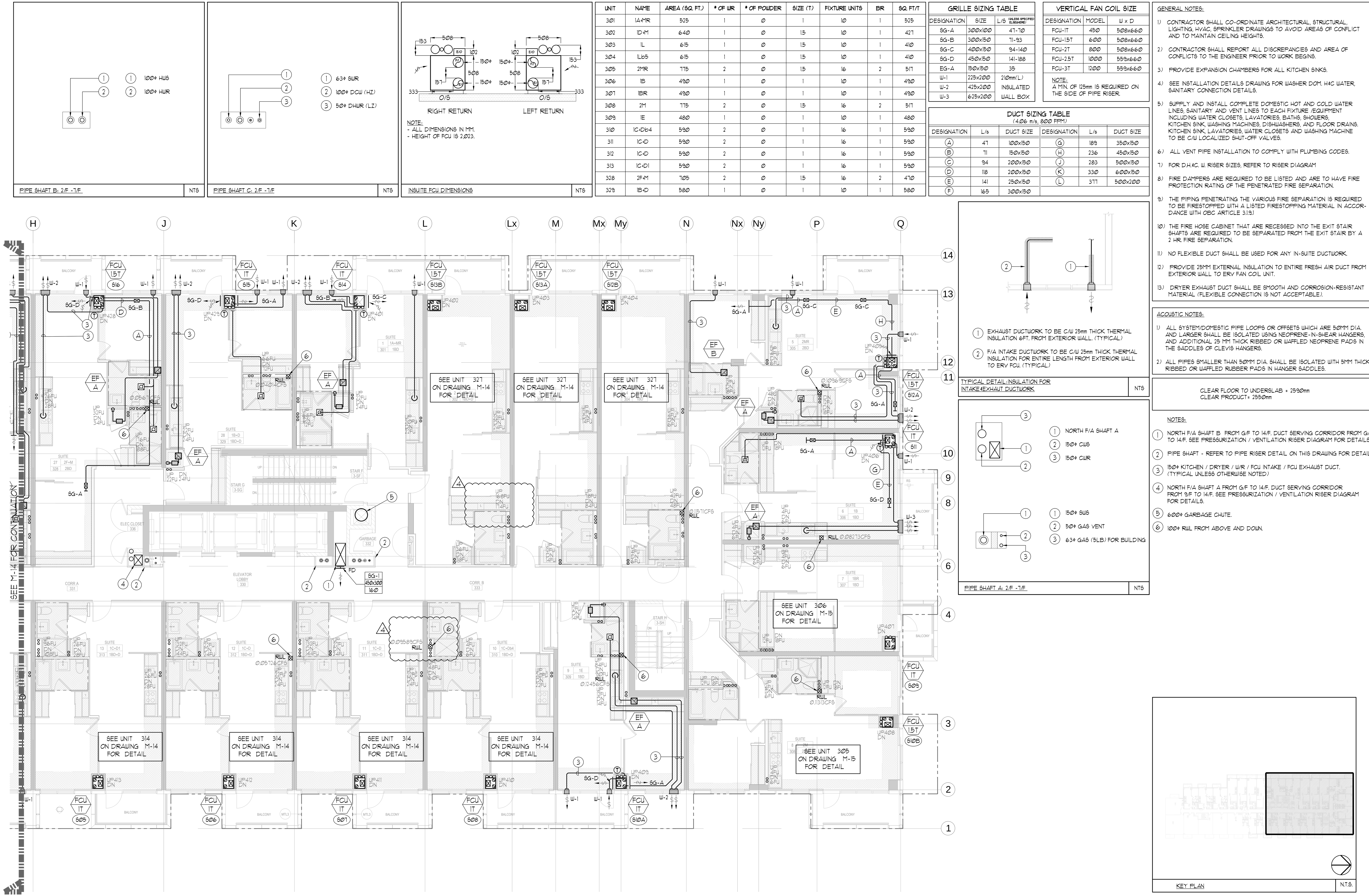


Drawing saved: \\adservers\current\Draw\31313 - Alexandra Park\31313.MXD - 14:13:57 PLAN - 500MM & NORTH MECHANICAL_LAYOUT.dwg Printed: Feb. 27, 2015 - 6:25pm



LEGEND
MECHANICAL

SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	LINEAR SUPPLY DIFFUSER
	THERMOSTAT
	FAN SWITCH
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
	EXHAUST DUCT UP
	EXHAUST DUCT DOWN
	FIRE DAMPER
	BALANCING DAMPER
	MOTORIZED DAMPER
	MOTORIZED FIRE DAMPER
	BACKDRAFT DAMPER
	OPPOSED BLADE VOLUME CONTROL DAMPER
	GAS LOCKING QUADRANT
	TURNING VANES
	FLEXIBLE CONNECTION
	ACOUSTIC INSULATION
	TYPE OF EQUIPMENT
	TYPE OF DIFFUSER OR GRILLE
	VALVE SIZE OR DIFFUSER NECK SIZE
	HANGER (CPT OR L)
	STARTER / 3 PHASE / PHASE 1
	IN-SUITE DRY MATTER SWITCH
	FAN SWITCH / IN-SUITE DRY MATTER SWITCH
	GAS LINE
	GAS METER
	GAS COOK
	PRESSURE REDUCING VALVE
	SANITARY ABOVE GRADE
	SANITARY BELOW GRADE
	STORM ABOVE GRADE
	STORM BELOW GRADE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
	SANITARY VENT
	WATER PUMPER
	FLOOR DRAIN
	PANEL FLOOR DRAIN
	HUB DRAIN
	KICK DRAIN
	SOLID DRAIN
	AREA DRAIN
	DRAIN IN-SUITE AREA DRAIN
	CATCH BASIN
	ELBOW UP
	ELBOW DOWN
	WALL CLEANOUT
	FLOOR CLEANOUT
	HOSE BIBB
	NON-PRESSURE HOSE BIBB
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	COP-PRESSURIZED AIR OUTLET
	BACKFLOW PREVENTER
	CIRCUIT BALANCING VALVE
	FULL SIZE PIPES

GENERAL NOTES:
1) CONTRACTOR SHALL CO-ORDINATE ARCHITECTURAL, STRUCTURAL, LIGHTING, HVAC, SPRINKLER DRAWINGS TO AVOID AREAS OF CONFLICT AND TO MAINTAIN CEILING HEIGHTS.
2) CONTRACTOR SHALL REPORT ALL DISCREPANCIES AND AREA OF CONFLICTS TO THE ENGINEER PRIOR TO WORK BEGINS.
3) PROVIDE EXPANSION CHAMBERS FOR ALL KITCHEN SINKS.
4) SEE INSTALLATION DETAILS DRAWING FOR WASHER DRYER WATER, SANITARY CONNECTION DETAILS.
5) SUPPLY AND INSTALL COMPLETE DOMESTIC HOT AND COLD WATER LINES, SANITARY AND VENT LINES TO EACH FIXTURE / EQUIPMENT INCLUDING WATER CLOSETS, LAVATORIES, BATHS, SHOWERS, KITCHEN SINK, WASHING MACHINES, DISHWASHERS, AND FLOOR DRAINS. KITCHEN SINK, LAVATORIES, WATER CLOSETS AND WASHING MACHINE TO BE C/W LOCALIZED SHUT-OFF VALVES.
6) ALL VENT PIPE INSTALLATION TO COMPLY WITH PLUMBING CODES.
7) FOR D.H.H.C. W. RISER SIZES, REFER TO RISER DIAGRAM
8) FIRE DAMPERS ARE REQUIRED TO BE LISTED AND ARE TO HAVE FIRE PROTECTION RATING OF THE PENETRATED FIRE SEPARATION.
9) THE PIPING PENETRATING THE VARIOUS FIRE SEPARATION IS REQUIRED TO BE FIRESTOPPED WITH A LISTED FIRESTOPPING MATERIAL IN ACCORDANCE WITH OBC ARTICLE 3.1.3.1
10) THE FIRE HOSE CABINET THAT ARE RECESSED INTO THE EXIT STAIR SHAFTS ARE REQUIRED TO BE SEPARATED FROM THE EXIT STAIR BY A 2 HR FIRE SEPARATION.
11) NO FLEXIBLE DUCT SHALL BE USED FOR ANY IN-SUITE DUCTWORK.
12) PROVIDE 25MM EXTERNAL INSULATION TO ENTIRE FRESH AIR DUCT FROM EXTERIOR WALL TO ERV FAN COIL UNIT.
13) DRYER EXHAUST DUCT SHALL BE SMOOTH AND CORROSION-RESISTANT MATERIAL (FLEXIBLE CONNECTION IS NOT ACCEPTABLE).

ACOUSTIC NOTES:
1) ALL SYSTEM/DOMESTIC PIPE LOOPS OR OFFSETS WHICH ARE 50MM DIA. AND LARGER SHALL BE ISOLATED USING NEOPRENE-IN-SHEAR HANGERS, AND ADDITIONAL 25 MM THICK RIBBED OR WAFFLED NEOPRENE PADS IN THE SADDLES OF CLEVIS HANGERS.
2) ALL PIPES SMALLER THAN 50MM DIA. SHALL BE ISOLATED WITH 5MM THICK RIBBED OR WAFFLED RUBBER PADS IN HANGER SADDLES.

NOTES:
1) NORTH F/A SHAFT B FROM G/F TO 14/F DUCT SERVING CORRIDOR FROM G/F TO 14/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.
2) PIPE SHAFT - REFER TO PIPE RISER DETAIL ON THIS DRAWING FOR DETAILS.
3) 150K KITCHEN / DRYER / W/R / FCU INTAKE / FCU EXHAUST DUCT. (TYPICAL UNLESS OTHERWISE NOTED)
4) NORTH F/A SHAFT A FROM G/F TO 14/F DUCT SERVING CORRIDOR FROM 9/F TO 14/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.
5) 600K GARBAGE CHUTE.
6) 100K RUL FROM ABOVE AND DOWN.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490
308 2M 775 2 0 15 16 2 517
309 IE 480 1 0 1 10 1 480
310 1C-D6 590 2 0 1 16 1 590
311 1C-D 590 2 0 1 16 1 590
312 1C-D 590 2 0 1 16 1 590
313 1C-D1 590 2 0 1 16 1 590
328 2F-M 705 2 0 15 16 2 470
329 1B-D 580 1 0 1 10 1 580

RIGHT RETURN LEFT RETURN
NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2023.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490
308 2M 775 2 0 15 16 2 517
309 IE 480 1 0 1 10 1 480
310 1C-D6 590 2 0 1 16 1 590
311 1C-D 590 2 0 1 16 1 590
312 1C-D 590 2 0 1 16 1 590
313 1C-D1 590 2 0 1 16 1 590
328 2F-M 705 2 0 15 16 2 470
329 1B-D 580 1 0 1 10 1 580

RIGHT RETURN LEFT RETURN
NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2023.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490
308 2M 775 2 0 15 16 2 517
309 IE 480 1 0 1 10 1 480
310 1C-D6 590 2 0 1 16 1 590
311 1C-D 590 2 0 1 16 1 590
312 1C-D 590 2 0 1 16 1 590
313 1C-D1 590 2 0 1 16 1 590
328 2F-M 705 2 0 15 16 2 470
329 1B-D 580 1 0 1 10 1 580

RIGHT RETURN LEFT RETURN
NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2023.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490
308 2M 775 2 0 15 16 2 517
309 IE 480 1 0 1 10 1 480
310 1C-D6 590 2 0 1 16 1 590
311 1C-D 590 2 0 1 16 1 590
312 1C-D 590 2 0 1 16 1 590
313 1C-D1 590 2 0 1 16 1 590
328 2F-M 705 2 0 15 16 2 470
329 1B-D 580 1 0 1 10 1 580

RIGHT RETURN LEFT RETURN
NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2023.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490
308 2M 775 2 0 15 16 2 517
309 IE 480 1 0 1 10 1 480
310 1C-D6 590 2 0 1 16 1 590
311 1C-D 590 2 0 1 16 1 590
312 1C-D 590 2 0 1 16 1 590
313 1C-D1 590 2 0 1 16 1 590
328 2F-M 705 2 0 15 16 2 470
329 1B-D 580 1 0 1 10 1 580

RIGHT RETURN LEFT RETURN
NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2023.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490
308 2M 775 2 0 15 16 2 517
309 IE 480 1 0 1 10 1 480
310 1C-D6 590 2 0 1 16 1 590
311 1C-D 590 2 0 1 16 1 590
312 1C-D 590 2 0 1 16 1 590
313 1C-D1 590 2 0 1 16 1 590
328 2F-M 705 2 0 15 16 2 470
329 1B-D 580 1 0 1 10 1 580

RIGHT RETURN LEFT RETURN
NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2023.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490
308 2M 775 2 0 15 16 2 517
309 IE 480 1 0 1 10 1 480
310 1C-D6 590 2 0 1 16 1 590
311 1C-D 590 2 0 1 16 1 590
312 1C-D 590 2 0 1 16 1 590
313 1C-D1 590 2 0 1 16 1 590
328 2F-M 705 2 0 15 16 2 470
329 1B-D 580 1 0 1 10 1 580

RIGHT RETURN LEFT RETURN
NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2023.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490
308 2M 775 2 0 15 16 2 517
309 IE 480 1 0 1 10 1 480
310 1C-D6 590 2 0 1 16 1 590
311 1C-D 590 2 0 1 16 1 590
312 1C-D 590 2 0 1 16 1 590
313 1C-D1 590 2 0 1 16 1 590
328 2F-M 705 2 0 15 16 2 470
329 1B-D 580 1 0 1 10 1 580

RIGHT RETURN LEFT RETURN
NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2023.

PIPE SHAFT B: 2/F - 1/F
NTS

PIPE SHAFT C: 2/F - 1/F
NTS

INSUITE FCU DIMENSIONS
NTS

DUCT SIZING TABLE
(4.06 m/s, 800 FPM)
DESIGNATION L/S DUCT SIZE DESIGNATION L/S DUCT SIZE
(A) 47 100x150 (G) 103 350x150
(B) 71 150x150 (H) 236 450x150
(C) 94 200x150 (J) 283 500x150
(D) 118 250x150 (K) 330 600x150
(E) 141 300x150 (L) 377 500x200
(F) 165 300x150

GRILLE SIZING TABLE
DESIGNATION SIZE L/S (UNLESS SPECIFIED OTHERWISE)
SG-A 300x100 41-10
SG-B 300x150 71-93
SG-C 400x150 94-140
SG-D 450x150 141-188
EG-A 150x150 35
W-1 225x200 210mm(L)
W-2 425x200 425mm(L)
W-3 625x200 WALL BOX

VERTICAL FAN COIL SIZE
DESIGNATION MODEL W x D
FCU-IT 450 508x660
FCU-1BT 600 508x660
FCU-2T 800 508x660
FCU-2BT 1000 553x660
FCU-3T 1200 553x660
NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

UNIT NAME AREA (SQ. FT.) # OF UR # OF POWDER SIZE (T) FIXTURE UNITS BR SQ. FT/T
301 1A-MR 525 1 0 1 10 1 525
302 1D-M 640 1 0 15 10 1 421
303 IL 615 1 0 15 10 1 410
304 1LB5 615 1 0 15 10 1 410
305 2MR 775 2 0 15 16 2 517
306 IB 490 1 0 1 10 1 490
307 1BR 490 1 0 1 10 1 490