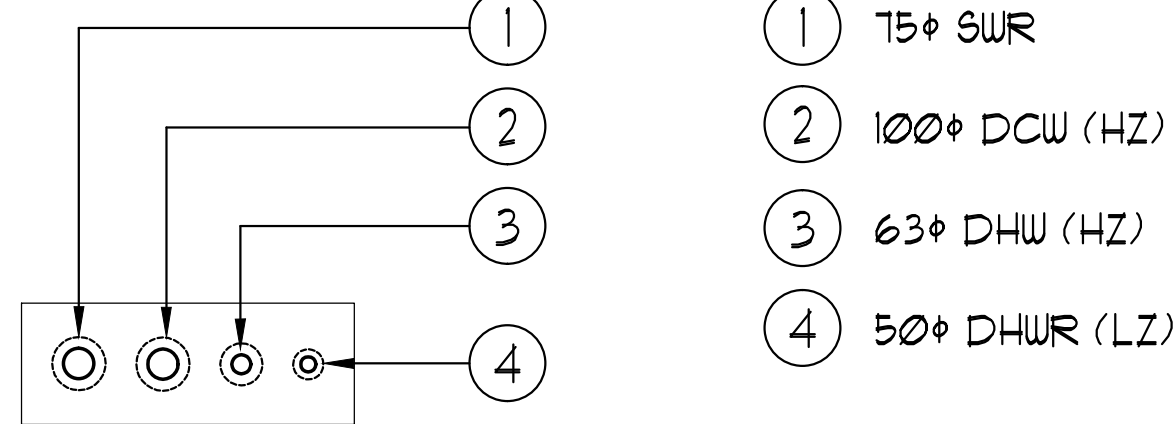


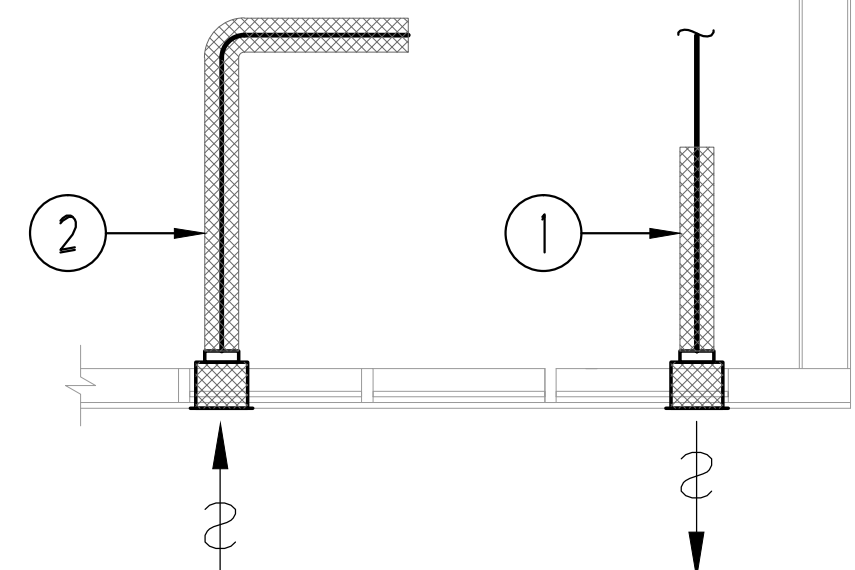
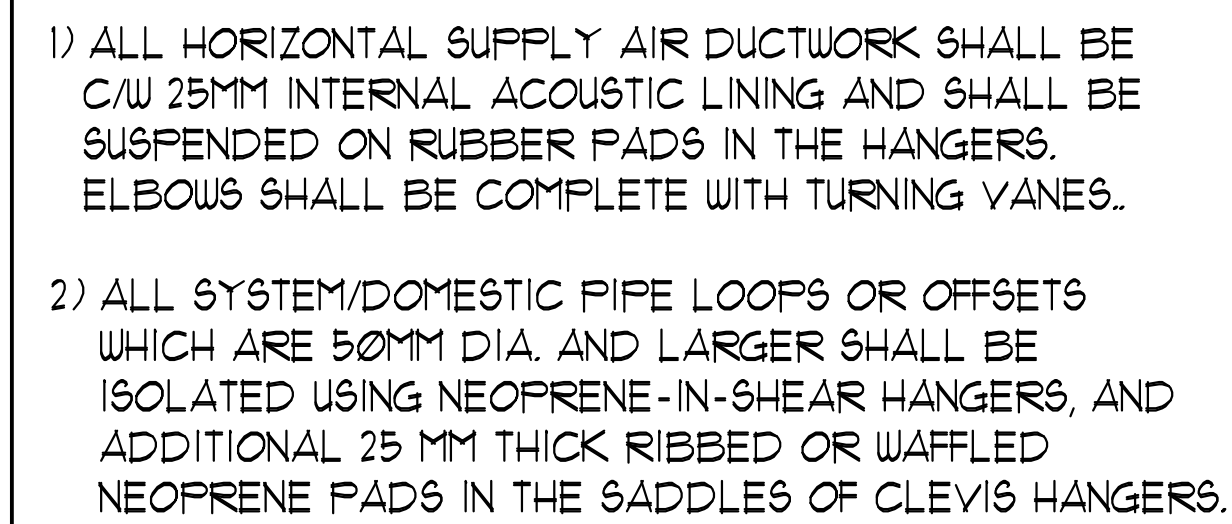


GRILLE SIZING TABLE				VERTICAL FAN COIL SIZE		
DESIGNATION	SIZE	L/S	UNBROKEN SPECIFIED RISE/FEET	DESIGNATION	MODEL	W x D
SG-A	300x100	41-110		FCU-1T	450	505x660
SG-B	300x150	71-93		FCU-15T	600	505x660
SG-C	400x150	94-140		FCU-2T	800	505x660
SG-D	450x150	141-188		FCU-25T	1000	555x660
EG-A	150x150	35		FCU-3T	1200	555x660
W-1	225x200	210mm(L)				
W-2	425x200	INSULATED				
W-3	625x200	WALL BOX				

NOTE:
A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.

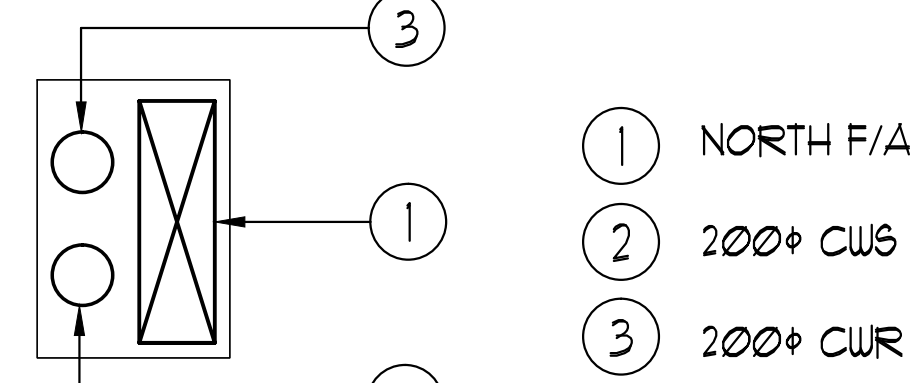
- 1) CONTRACTOR SHALL CO-ORDINATE ARCHITECTURAL, STRUCTURAL, LIGHTING, HVAC, SPRINKLER DRAWINGS TO AVOID AREAS OF CONFLICT AND TO MAINTAIN CEILING HEIGHTS.
- 2) CONTRACTOR SHALL REPORT ALL DISCREPANCIES AND AREA OF CONFLICTS TO THE ENGINEER PRIOR TO WORK BEGINS.
- 3) PROVIDE EXPANSION CHAMBERS FOR ALL KITCHEN SINKS.
- 4) SEE INSTALLATION DETAILS DRAWING FOR WASHER DOM. H4C 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.G. W. RISER SIZES, REFER TO RISER DIAGRAM
- 8) FIRE DAMPERS ARE REQUIRED TO BE LISTED AND ARE TO HAVE FIRE PROTECTION RATINGS 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 CBC ARTICLE 313.1
- 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 ERY FAN COIL UNIT.
- 13) DRYER EXHAUST DUCT SHALL BE SMOOTH AND CORROSION-RESISTANT MATERIAL (FLEXIBLE CONNECTION IS NOT ACCEPTABLE).

LEGEND MECHANICAL	
SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	LINEAR AIR REGISTER
	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
	OCCUPIED BLADE VOLUME CONTROL DAMPER LOCKING QUADRANT
	TURNING VANE
	FLEXIBLE CONNECTION
	ACOUSTIC INSULATION
	TYPE OF EQUIPMENT IDENTIFICATION
	GRILLE SIZE OR RETURN NECK SIZE ANNOTATION (or LxW)
	QUARTER 1 PHASE / PHASE 1
	N/A-SITE FIRE MASTER SWITCH
	FAN SWITCH / N/A-SITE FIRE OVERRIDE BUTTON
	COIL REVERSER
	GAS LINE
	GAS PIPING
	GAS OPEN
	PRESSURE REDUCING VALVE
	STAIRWAY ABOVE GRADE
	CORRIDOR BELOW GRADE
	STAIRWAY BELOW GRADE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
	SANITARY VENT
	WATER TETHER
	FLOOR DRAIN
	RISER FLOOR DRAIN
	HD HUB DRAIN
	HD FLOOR DRAIN
	RSLB SUMP DRAIN
	RSLB AREA DRAIN
	B-LV-LEVEL AREA DRAIN
	CATCH BASIN
	STORM TRAP
	ELBOW
	WALL CLEANOUT
	FLOOR CLEANOUT
	HOSE BIBB
	NON-FREEZE HOSE BIBB
	GLOBE VALVE
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	CAP
	COMPRESSED AIR OUTLET
	BACKFLOW PREVENTER
	CIRCUIT BALANCING VALVE
	MULTIPLE PIPES
	DENOTES ONE OF PIPES
	TEMPERATURE SENSOR
	THERMOSTATIC
	2-WAY INSULATING VALVE
	3-WAY INSULATING VALVE
	15°/45° THERMOSTATIC
	CO-BALANCING 1/2" PLUS
	FLOOR ELEVATION ABOVE LEVEL
	FLOOR ELEVATION 1' BELOW LEVEL

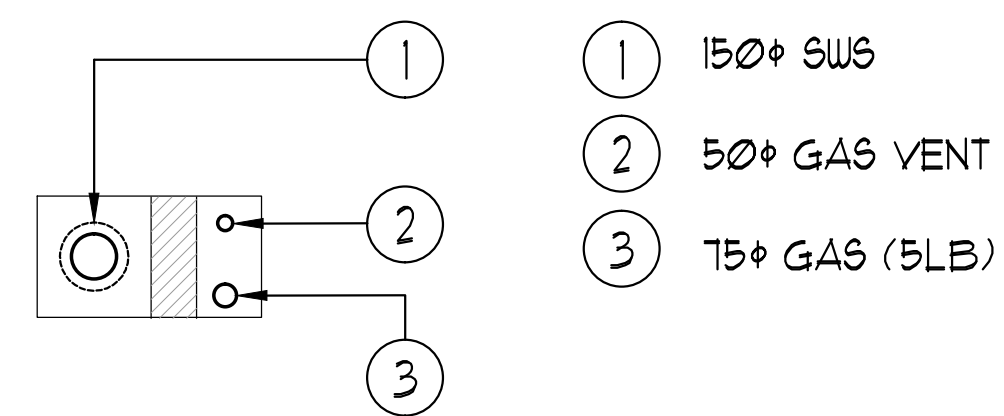


- ① EXHAUST DUCTWORK TO BE C/W 25mm THICK THERMAL INSULATION 6FT. FROM EXTERIOR WALL. (TYPICAL)
- ② F/A INTAKE DUCTWORK TO BE C/W 25mm THICK THERMAL INSULATION FOR ENTIRE LENGTH FROM EXTERIOR WALL TO ERV FCU. (TYPICAL)

TYPICAL DETAIL: INSULATION FOR INTAKE & EXHAUST DUCTWORK	NTS
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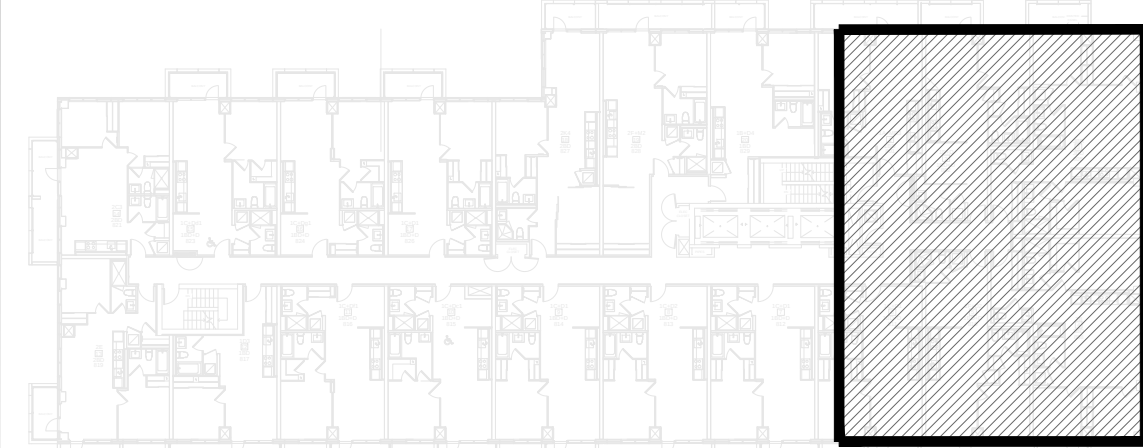


- ① NORTH F/A SHAFT A
- ② 200+ CWS
- ③ 200+ CWR



- ① 150¢ SWS
- ② 50¢ GAS VENT
- ③ 75¢ GAS (5LB) FOR BUILDING

PIPE SHAFT A: 8/F	NT6
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KEY PLAN

N.T.S.