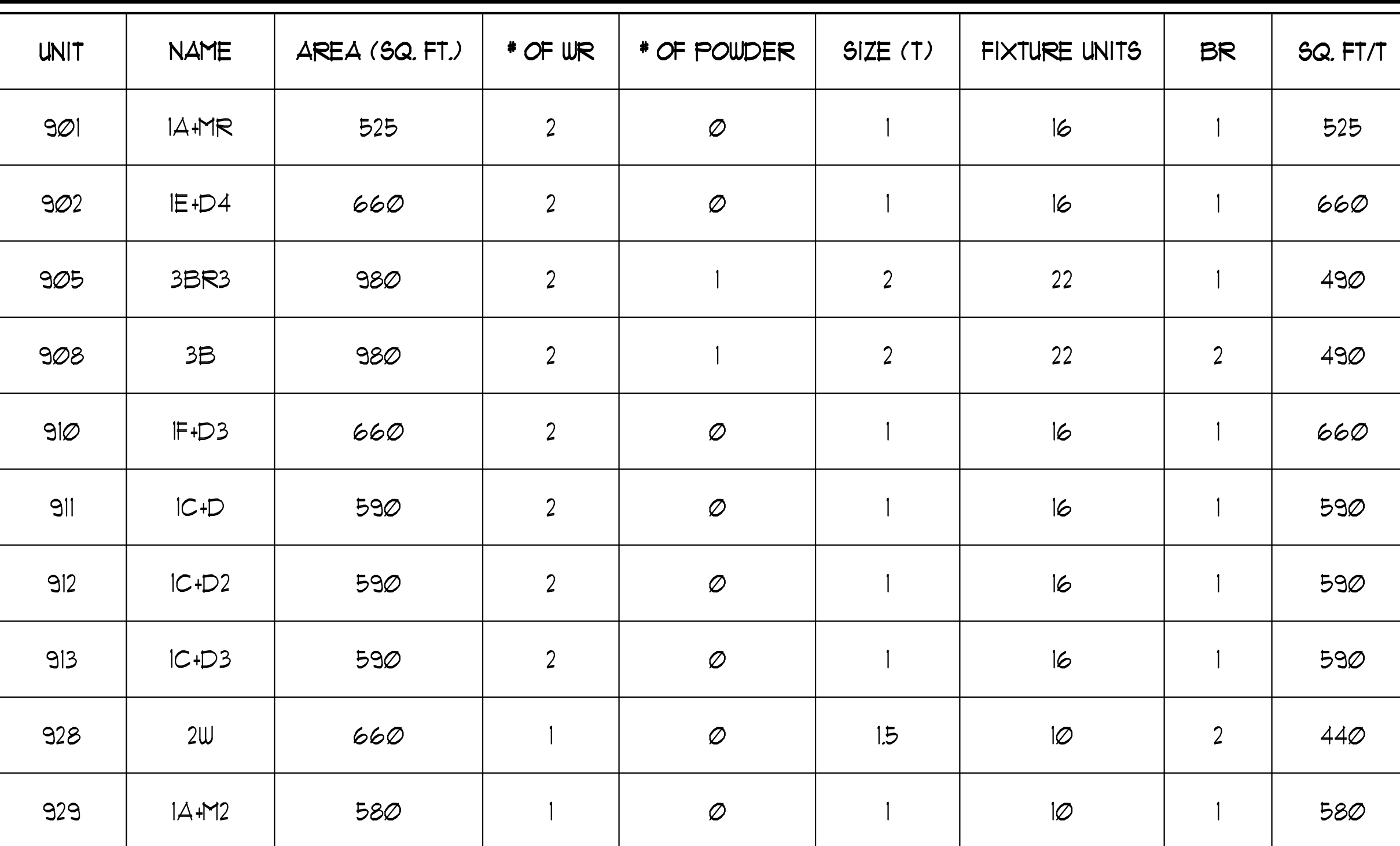
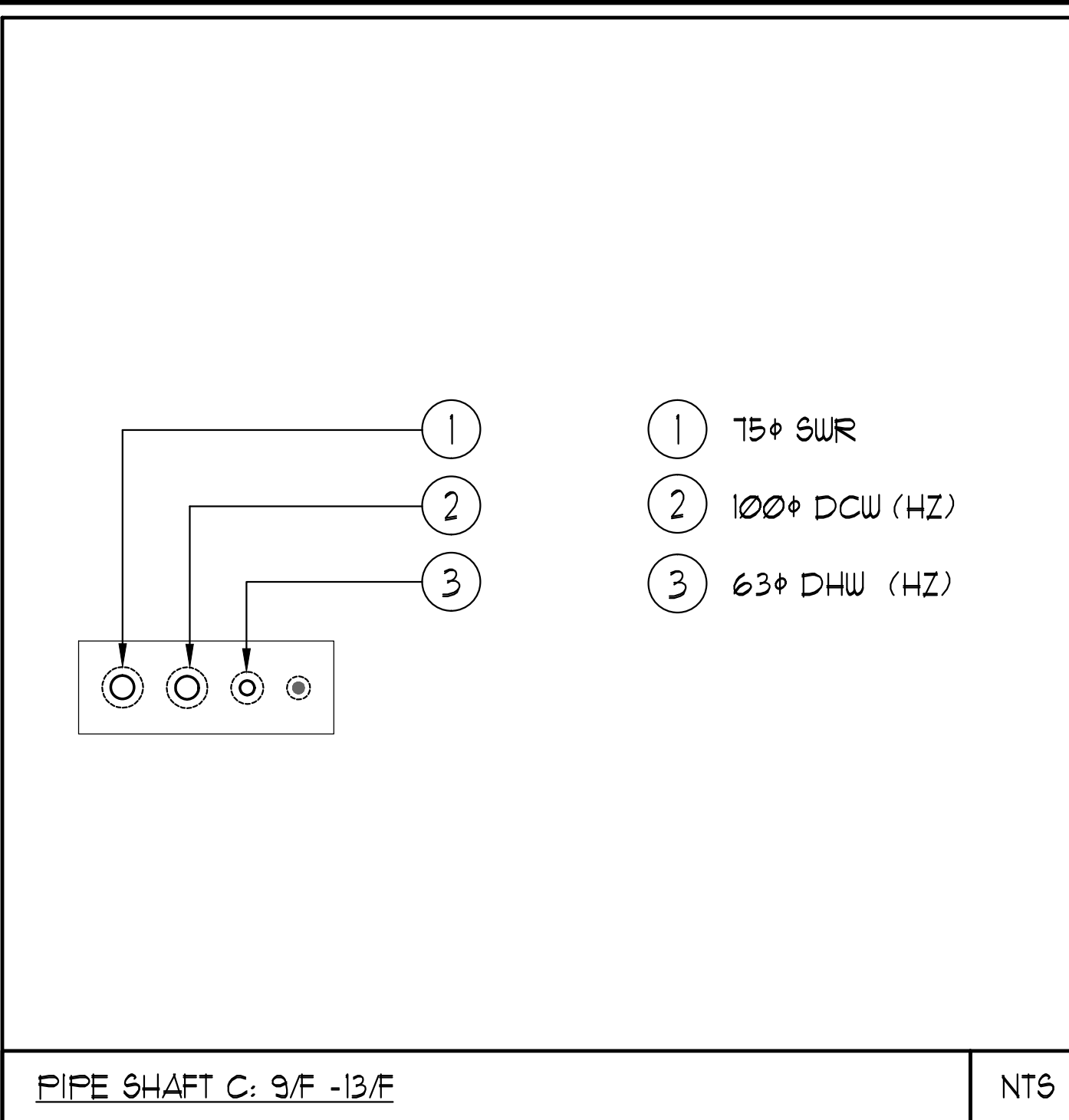
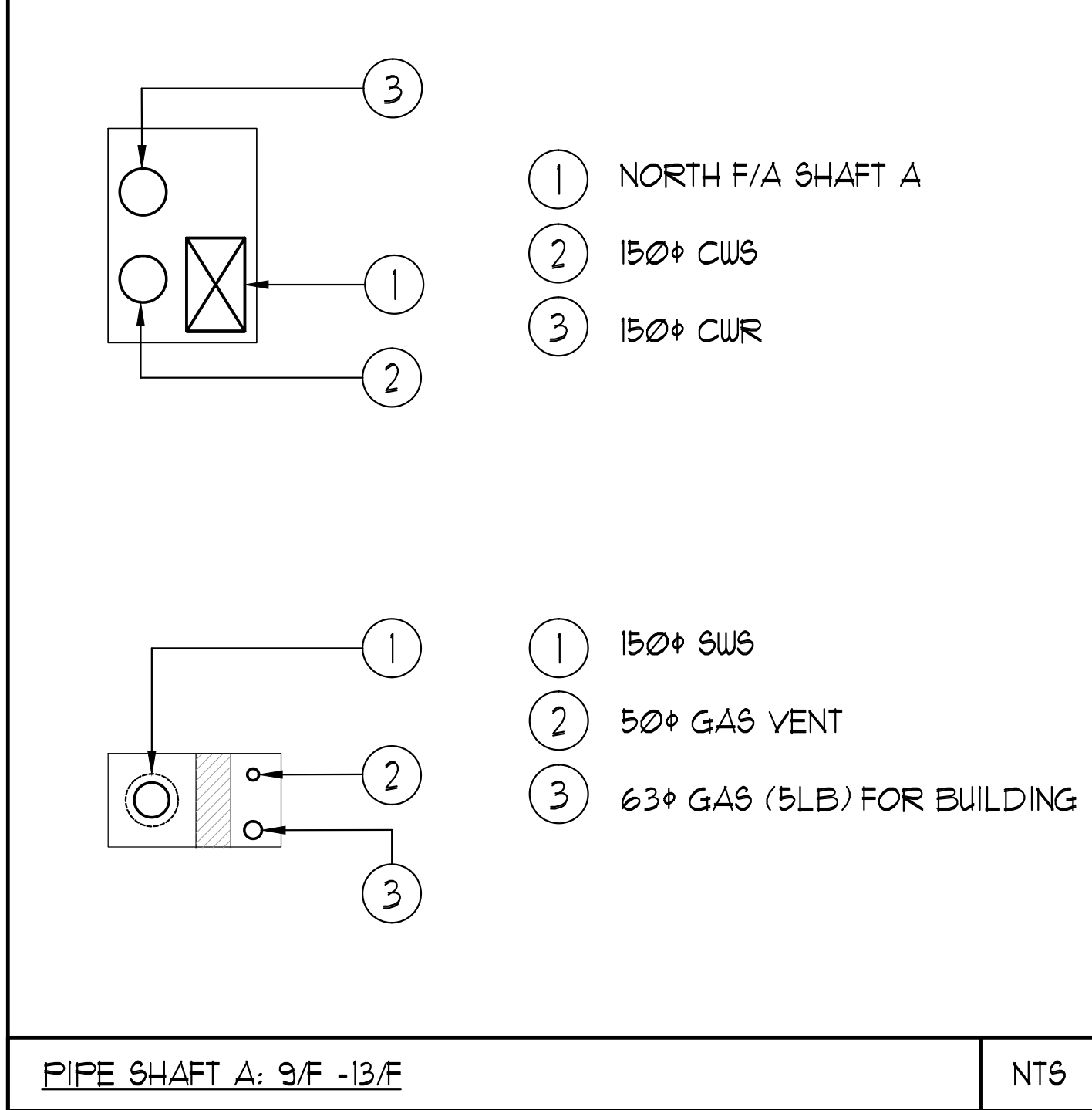
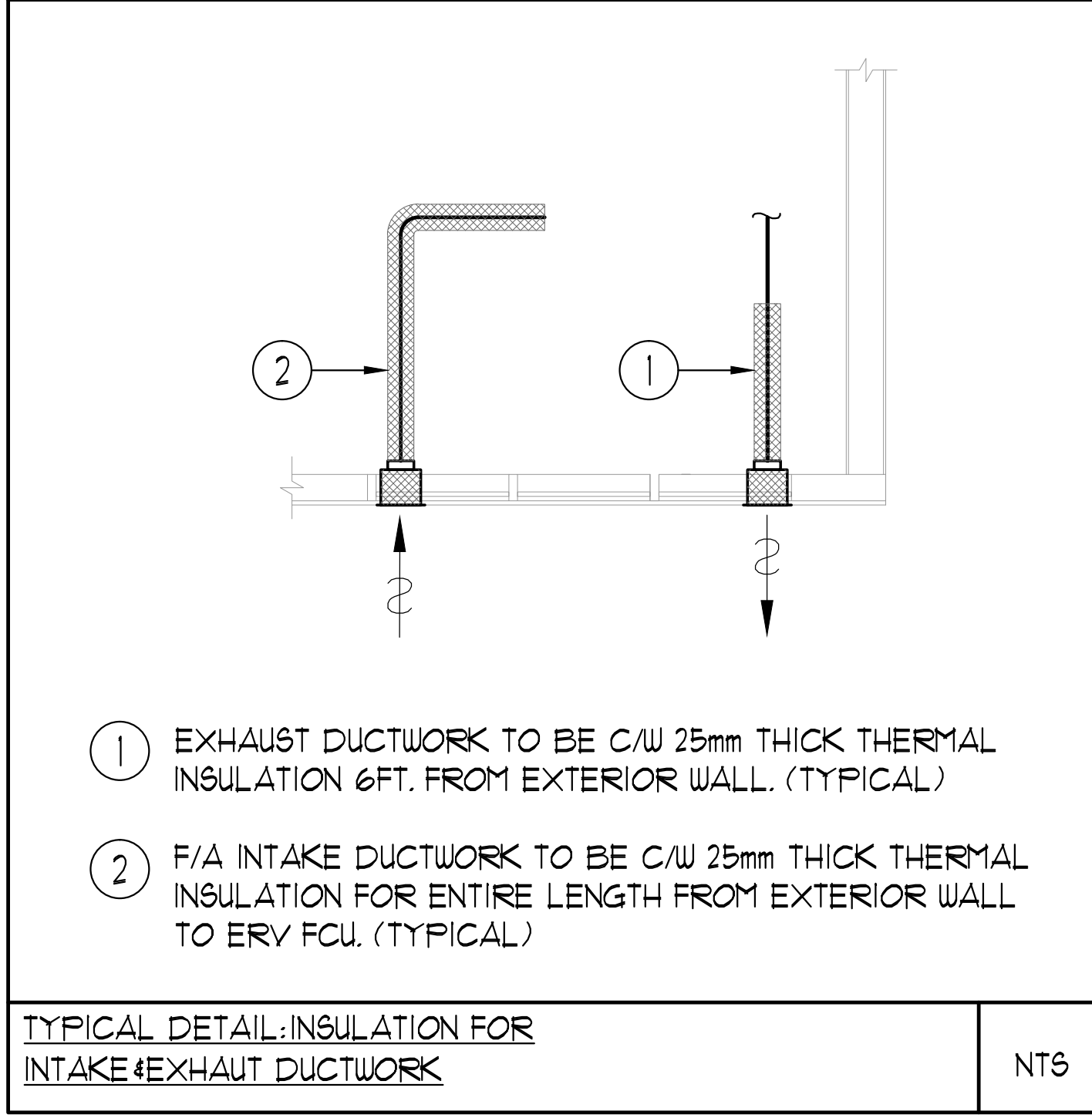




GRILLE SIZING TABLE			VERTICAL FAN COIL SIZE		
DESIGNATION	SIZE	L/S (UNLESS SPECIFIED ELSEWHERE)	DESIGNATION	MODEL	W x D
GG-A	300x100	41-110	FCU-1T	450	500x660
GG-B	300x150	71-93	FCU-1ST	600	550x660
GG-C	400x150	94-140	FCU-2T	800	500x660
GG-D	450x150	141-188	FCU-2ST	1000	555x660
EG-A	150x150	35	FCU-3T	1200	555x660
W-1	225x200	210mm (L)	NOTE: A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER		
W-2	425x200	INSULATED			
W-3	625x200	WALL BOX			

- 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 DOW, HVAC 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.V.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 CBC ARTICLE 3191
- 10) THE FIRE HOSE CABINET 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).

LEGEND MECHANICAL	
SYMBOL	DESCRIPTION
	SUPPLY AIR DUCT
	SUPPLY AIR REGISTER
	LINEAR SUPPLY DUCT REGISTER
	THERMOSTAT
	FAN SWITCH
	RETURN AIR GRILLE
	RETURN AIR GRILLE
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
	EXHAUST DUCT UP
	EXHAUST DUCT DOWN
	FIRE DAMPER
	BALANCING DAMPER
	NORMALIZED DAMPER
	NORMALIZED FIRE DAMPER
	BYPASS DUCT
	OPPOSED BLADE VOLUME CONTROL DAMPER
	CEILING/GROUND BYPASS
	TURNING VANES
	FLEXIBLE CONNECTION
	ACOUSTIC INSULATION
	TYPE OF EQUIPMENT
	EQUIPMENT IDENTIFICATION
	TYPE OF DUCT OR GRILLE
	GRILLE SIZE OR DUCT OR NECK SIZE
	AIRFLOW (CFM OR L/S)
	DUCT MATERIAL (FIBERGLASS)
	INSULATE DRY MASTER BATT
	FAN SWITCH IN INSULATE DRY OVERDRIVE POSITION
	GAS BYPASS
	GAS RETURN
	GAS CO ₂
	PRESSURE REDUCING VALVE
	BANTARY ABOVE GRATE
	BANTARY BELOW GRATE
	STORM ABOVE GRATE
	STORM BELOW GRATE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
	BANTARY VENT
	WATER RETURN
	FLOOD DRAIN
	PANEL FLOOD DRAIN
	HOT DRAIN
	ROOM DRAIN
	SUMP DRAIN
	AREA DRAIN
	BANTARY AREA DRAIN
	CATCH BASIN
	BANTARY TRAP
	ELBOW UP
	ELBOW DOWN
	BALL CLEANOUT
	FLOOR CLEANOUT
	HOSE BIBB
	NON-FREEZE HOSE BIBB
	GLOVE VALVE
	GATE VALVE
	BALL VALVE
	BUTTERY VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	COMPRESSED AIR OUTLET
	BACKFLOW PREVENTER
	FILTER
	DISCHARGE OF PIPES
	TEMPERATURE SENSOR
	THERMOSTATIC
	24x24 MODULATING VALVE
	16x16 MODULATING VALVE
	12x12x12 THERMOSTATIC VALVE
	12x12x12 BALL VALVE
	12x12x12 CHECK VALVE
	12x12x12 GATE VALVE
	12x12x12 GLOVE VALVE
	12x12x12 HOSE BIBB
	12x12x12 NON-FREEZE HOSE BIBB
	12x12x12 PRESSURE REDUCING VALVE
	12x12x12 CHECK VALVE
	12x12x12 BALL VALVE
	12x12x12 BUTTERY VALVE
	12x12x12 PRESSURE REDUCING VALVE
	12x12x12 CHECK VALVE
	12x12x12 COMPRESSED AIR OUTLET
	12x12x12 BACKFLOW PREVENTER
	12x12x12 FILTER
	12x12x12 DISCHARGE OF PIPES
	12x12x12 TEMPERATURE SENSOR
	12x12x12 THERMOSTATIC
	12x12x12 24x24 MODULATING VALVE
	12x12x12 16x16 MODULATING VALVE
	12x12x12 12x12x12 THERMOSTATIC VALVE
	12x12x12 12x12x12 BALL VALVE
	12x12x12 12x12x12 CHECK VALVE
	12x12x12 12x12x12 GATE VALVE
	12x12x12 12x12x12 GLOVE VALVE
	12x12x12 12x12x12 HOSE BIBB
	12x12x12 12x12x12 NON-FREEZE HOSE BIBB
	12x12x12 12x12x12 PRESSURE REDUCING VALVE
	12x12x12 12x12x



NOTES:

- 1 NORTH F/A SHAFT B FROM G/F TO 14/F. F/A DUCT SERVING CORRIDOR FROM G/F TO 14/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.
- 2 PIPE SHAFT - REFER TO PIPE DIAGRAM FOR DETAILS.
- 3 150° 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 150° TO 14/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.
- 5 150° DHUR.
- 6 600° GARBAGE CHUTE.
- 7 100° RUL FROM ABOVE AND DOWN.
- 8 100° RUL FROM ABOVE.
- 9 100° RUL DOWN.
- 10 100° STM @1%.
- 11 150° RUL DOWN.
- 12 150° STM @1%.

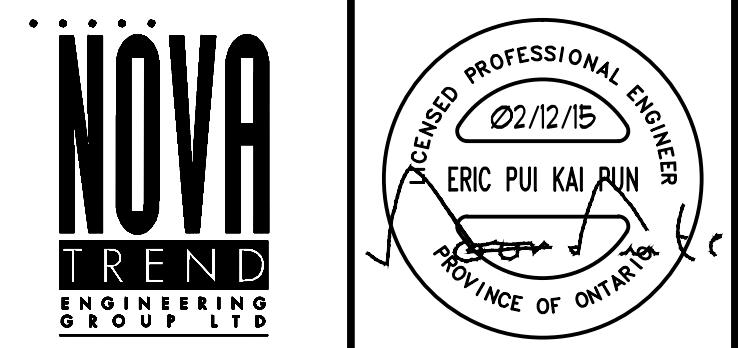
02/07/15	4	ISSUED FOR SITE INSTRUCTION #5-1		E.P.	
09/03/14	3	ISSUED FOR TENDER		E.P.	
01/06/14	2	RE-ISSUED FOR PERMIT		E.P.	
05/30/14	1	ISSUED FOR PERMIT		E.P.	
DATE	NO.	DESCRIPTION		BY	

MARK VOID ALL PRINTS DATED PREVIOUS

REVISIONS

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REFLECT DISCREPANCIES TO THE ENGINEERS BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS THE PROPERTY OF THE ENGINEERS AND MUST BE RETURNED UPON COMPLETION OF THE WORK.

DRAWINGS ARE NOT TO BE SCALED



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Richmond Hill, Ontario L4B 3M1
Tel: 905 882-5445
Fax: 905 882-5447

DRAWING TITLE:
B/F NORTH
MECHANICAL LAYOUT

PROJECT TITLE:
66 ALEXANDRA PARK
BLOCK II
38 CAMERON STREET
TORONTO
ONTARIO

G.S.	E.P.	1:50
DATE: FEB, 13	PROJECT NUMBER: 1313	DRAWING NUMBER: M-27 OF 43