

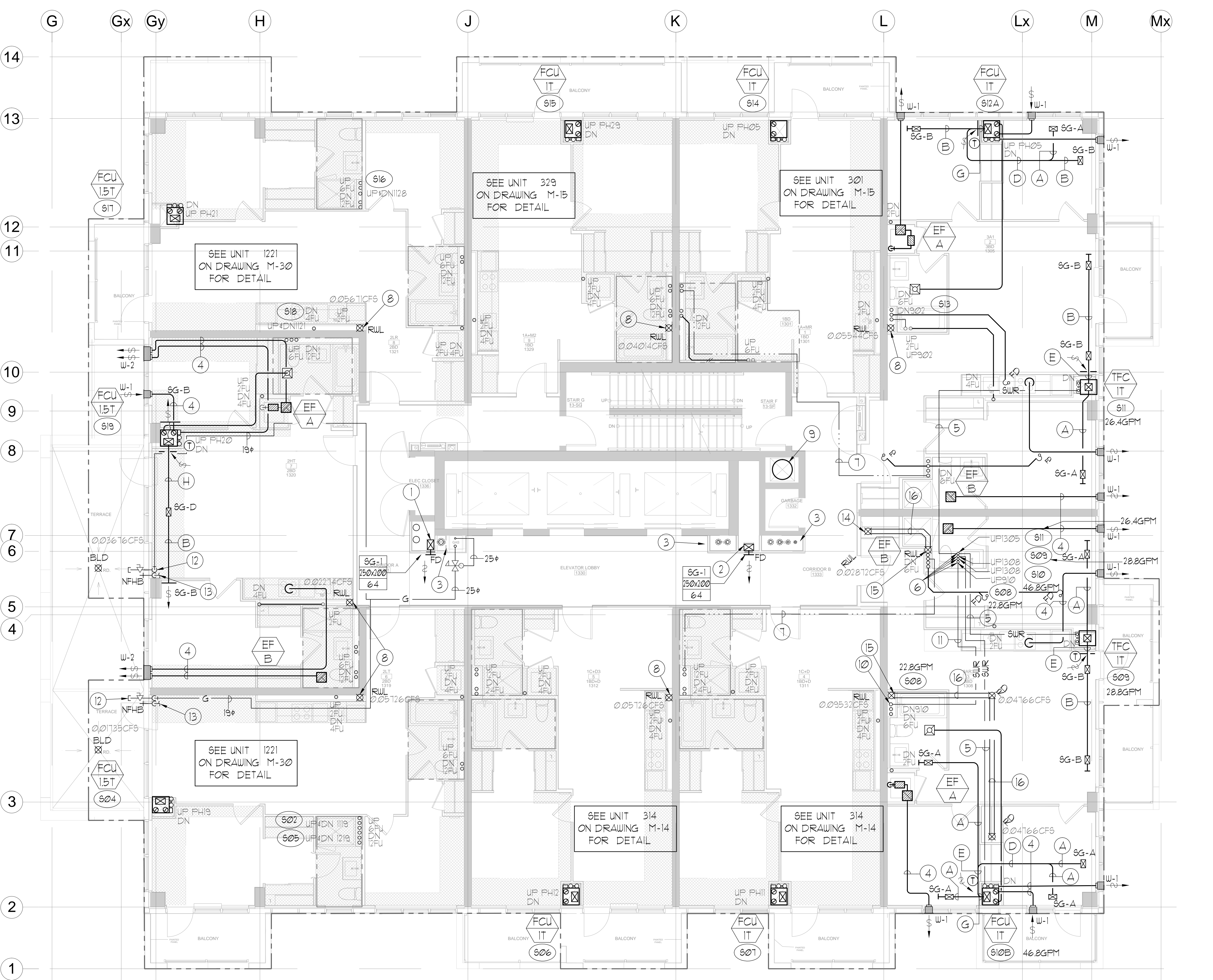
UNIT	NAME	AREA (SQ. FT.)	# OF UR	# OF FOLDER	SIZE (T)	FIXTURE UNITS	BR	SQ. FT/IT
1301	1A-MR	525	1	0	1	10	1	525
1305	3A1	870	2	0	2	16	3	435
1308	3AR3	870	2	0	2	16	3	435
1311	1C-D	590	2	0	1	16	1	590
1312	1C-D3	590	2	0	1	16	1	590
1319	2LT	755	2	0	15	16	2	503
1320	2HT	740	2	0	15	16	2	493
1321	2LR	755	2	0	15	16	2	503
1329	1A-MR	580	1	0	1	10	1	580

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	INSULATED
W-3	625x200	WALL BOX

DESIGNATION	MODEL	W x D
FCU-IT	450	500x660
FCU-15T	600	500x660
FCU-2T	800	500x660
FCU-25T	1000	550x660
FCU-3T	1200	550x660

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

DESIGNATION	L/S	DUCT SIZE	DESIGNATION	L/S	DUCT SIZE
A	47	100x150	G	109	350x150
B	71	150x150	H	236	450x150
C	94	200x150	J	283	500x150
D	118	200x150	K	330	600x150
E	141	250x150	L	377	500x200
F	165	300x150			



- GENERAL NOTES:**
- CONTRACTOR SHALL CO-ORDINATE ARCHITECTURAL, STRUCTURAL, LIGHTING, HVAC, SPRINKLER DRAWINGS TO AVOID AREAS OF CONFLICT AND TO MAINTAIN CEILING HEIGHTS.
 - CONTRACTOR SHALL REPORT ALL DISCREPANCIES AND AREA OF CONFLICTS TO THE ENGINEER PRIOR TO WORK BEGINS.
 - PROVIDE EXPANSION CHAMBERS FOR ALL KITCHEN SINKS.
 - SEE INSTALLATION DETAILS DRAWING FOR WASHER, DOM. H.C WATER, SANITARY CONNECTION DETAILS.
 - 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/U LOCALIZED SHUT-OFF VALVES.
 - ALL VENT PIPE INSTALLATION TO COMPLY WITH PLUMBING CODES.
 - FOR D.H.C. W. RISER SIZES, REFER TO RISER DIAGRAM
 - FIRE DAMPERS ARE REQUIRED TO BE LISTED AND ARE TO HAVE FIRE PROTECTION RATING OF THE PENETRATED FIRE SEPARATION.
 - THE PIPING PENETRATING THE VARIOUS FIRE SEPARATION IS REQUIRED TO BE FIRESTOPPED WITH A LISTED FIRESTOPPING MATERIAL IN ACCORDANCE WITH OBC ARTICLE 3.13.1
 - 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.
 - NO FLEXIBLE DUCT SHALL BE USED FOR ANY IN-SUITE DUCTWORK.
 - PROVIDE 25MM EXTERNAL INSULATION TO ENTIRE FRESH AIR DUCT FROM EXTERIOR WALL TO ERV FAN COIL UNIT.
 - DRYER EXHAUST DUCT SHALL BE SMOOTH AND CORROSION-RESISTANT MATERIAL (FLEXIBLE CONNECTION IS NOT ACCEPTABLE).

- ACOUSTIC NOTES:**
- 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.
 - ALL PIPES SMALLER THAN 50MM DIA. SHALL BE ISOLATED WITH 5MM THICK RIBBED OR WAFFLED RUBBER PADS IN HANGER SADDLES.
- CLEAR FLOOR TO UNDERLAB = 3050mm
 ALL UNITS CLEAR PRODUCT = 3000mm
 EXCEPT UNITS: 1305/1308 CLEAR PRODUCT = 2700mm
 UNITS 1305/1308 COMPLETE DROP CEILING = 3500mm

- NOTES:**
- NORTH F/A SHAFT B FROM G/F TO 14/F DUCT SERVING CORRIDOR FROM 9/F TO 14/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.
 - NORTH F/A SHAFT A SERVING FROM G/F TO 14/F. DUCT SERVING CORRIDOR FROM G/F TO 14/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.
 - PIPE SHAFT - REFER TO PIPE DIAGRAM FOR DETAILS.
 - 150# KITCHEN / DRYER / W/R / FCU INTAKE / FCU EXHAUST DUCT. (TYPICAL UNLESS OTHERWISE NOTED)
 - 50# SUR.
 - 50# SUR UP.
 - 19# DHUR.
 - 100# RUL FROM ABOVE AND DOWN.
 - 600# GARBAGE CHUTE.
 - 38# SUR FROM BELOW.
 - 38# SUR UP.
 - 19# GAS PIPE c/w VALVE AND CAP FOR BBQ.
 - 19# DCW FOR NFHB TO BE CONNECTED TO SUITE'S MAIN DCW LINE.
 - 100# RUL FROM ABOVE.
 - 100# RUL DOWN.
 - 100# STM 61#.

LEGEND MECHANICAL

SYMBOL	DESCRIPTION
[Symbol]	SUPPLY AIR DRIVER
[Symbol]	SUPPLY AIR TRIGGER
[Symbol]	LINEAR SUPPLY DIFFUSER
[Symbol]	THERMOSTAT
[Symbol]	FAN MOTOR
[Symbol]	RETURN AIR GRILLE
[Symbol]	EXHAUST AIR GRILLE
[Symbol]	SUPPLY DUCT UP
[Symbol]	RETURN DUCT UP
[Symbol]	RETURN DUCT DOWN
[Symbol]	EXHAUST DUCT UP
[Symbol]	EXHAUST DUCT DOWN
[Symbol]	FIRE DAMPER
[Symbol]	BALANCING DAMPER
[Symbol]	MOTORIZED DAMPER
[Symbol]	MOTORIZED FIRE DAMPER
[Symbol]	BACKDRIFT DAMPER
[Symbol]	OPPOSED BLADE VALVE CONTROL DAMPER
[Symbol]	C/U LOCALIZED SHUT-OFF
[Symbol]	TURNING VANES
[Symbol]	FLEXIBLE CONNECTION
[Symbol]	ACOUSTIC INSULATION
[Symbol]	TYPE OF EQUIPMENT
[Symbol]	EQUIPMENT IDENTIFICATION
[Symbol]	TYPE OF RISER OR GRILLE
[Symbol]	SMALL RISER OR RISER HEAD SIZE
[Symbol]	ANGLE LIGHT OR L/S
[Symbol]	STAIRS / 3 PHASE / PHASE /
[Symbol]	FAN MOTOR / IN-SUITE ERV OVERIDE BUTTON
[Symbol]	CO SENSOR
[Symbol]	GAS LINE
[Symbol]	GAS METER
[Symbol]	GAS SOLE
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	BAUNTIARY ABOVE GRADE
[Symbol]	BAUNTIARY BELOW GRADE
[Symbol]	ROOF DRAIN
[Symbol]	ROOF DRAIN
[Symbol]	AREA DRAIN
[Symbol]	BLD LEVEL AREA DRAIN
[Symbol]	CATCH BASIN
[Symbol]	BAUNTIARY TRAP
[Symbol]	ELBOW UP
[Symbol]	ELBOW DOWN
[Symbol]	WALL CLEANOUT
[Symbol]	FLOOR CLEANOUT
[Symbol]	HOSE BIBB
[Symbol]	NON-PRESSURE HOSE BIBB
[Symbol]	GATE VALVE
[Symbol]	BALL VALVE
[Symbol]	BUTTERFLY VALVE
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	CHECK VALVE
[Symbol]	CAP
[Symbol]	COPRESSURES AIR OUTLET
[Symbol]	BACKDRAFT PREVENTER
[Symbol]	CIRCUIT BALANCING VALVE
[Symbol]	MULTIPLE PIPES
[Symbol]	DENOTES NO. OF PIPES
[Symbol]	TEMPERATURE SENSOR
[Symbol]	TEMPERATURE
[Symbol]	2-WAY MODULATING VALVE
[Symbol]	3-WAY MODULATING VALVE
[Symbol]	17-1/2" X 10" THERMOWELL
[Symbol]	C/U 1" BUSHING / 1" PLUG
[Symbol]	FLOOR ELEVATION ABOVE LEVEL
[Symbol]	HEADROOM FLOOR TO US LEVEL

REVISIONS

NO.	DESCRIPTION	DATE

NOVA ENGINEERING

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DATE: FEB. 13 2013

PROJECT TITLE: **SG ALEXANDRA PARK BLOCK II**
 38 CAMERON STREET TORONTO

SCALE: 1:50

DRAWING NUMBER: M-31

Drawing name: \\20250808\p\m\131313 - Alexandra Park\131313 - 3113F PLAN - MECHANICAL LAYOUT.dwg