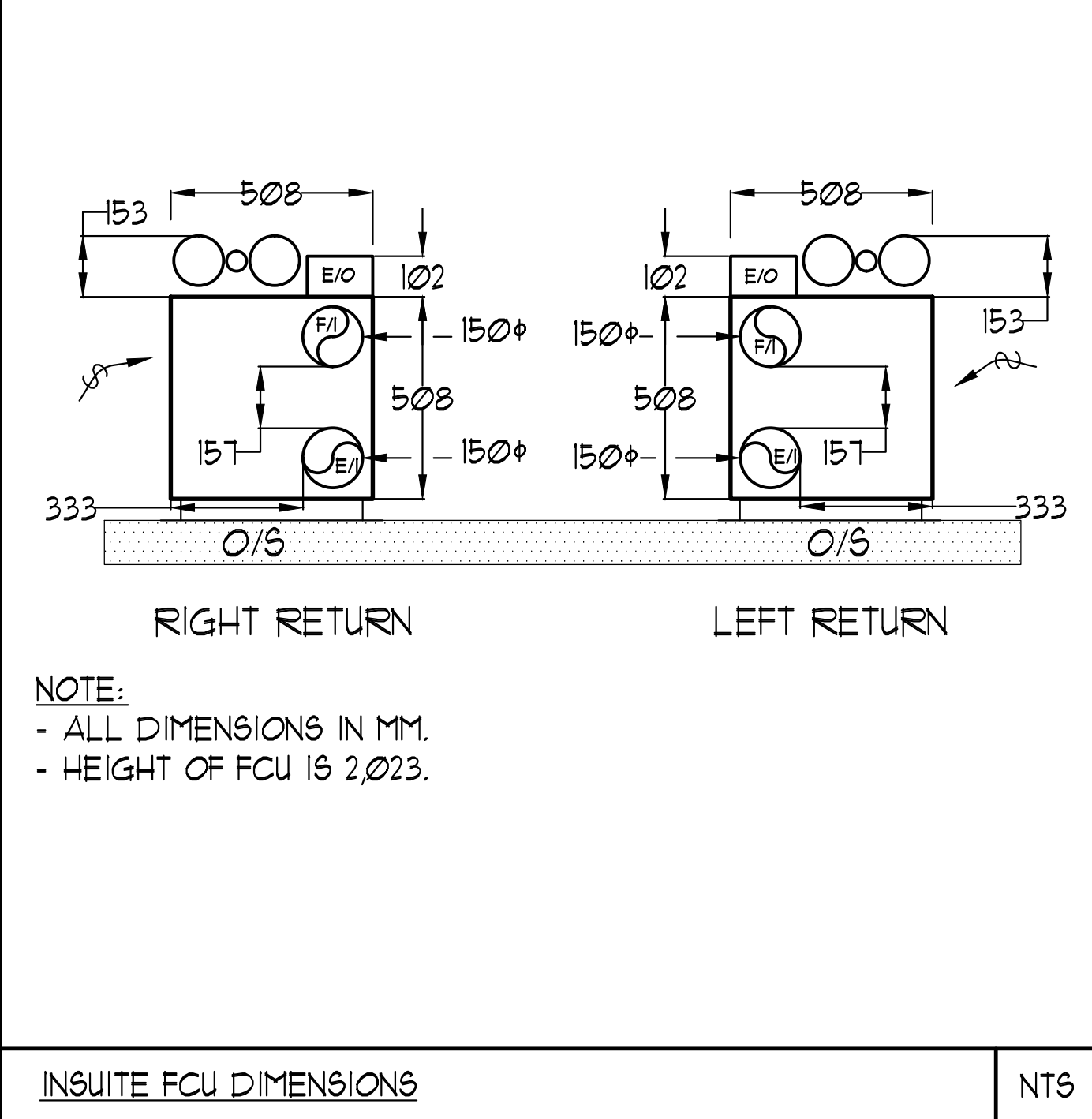
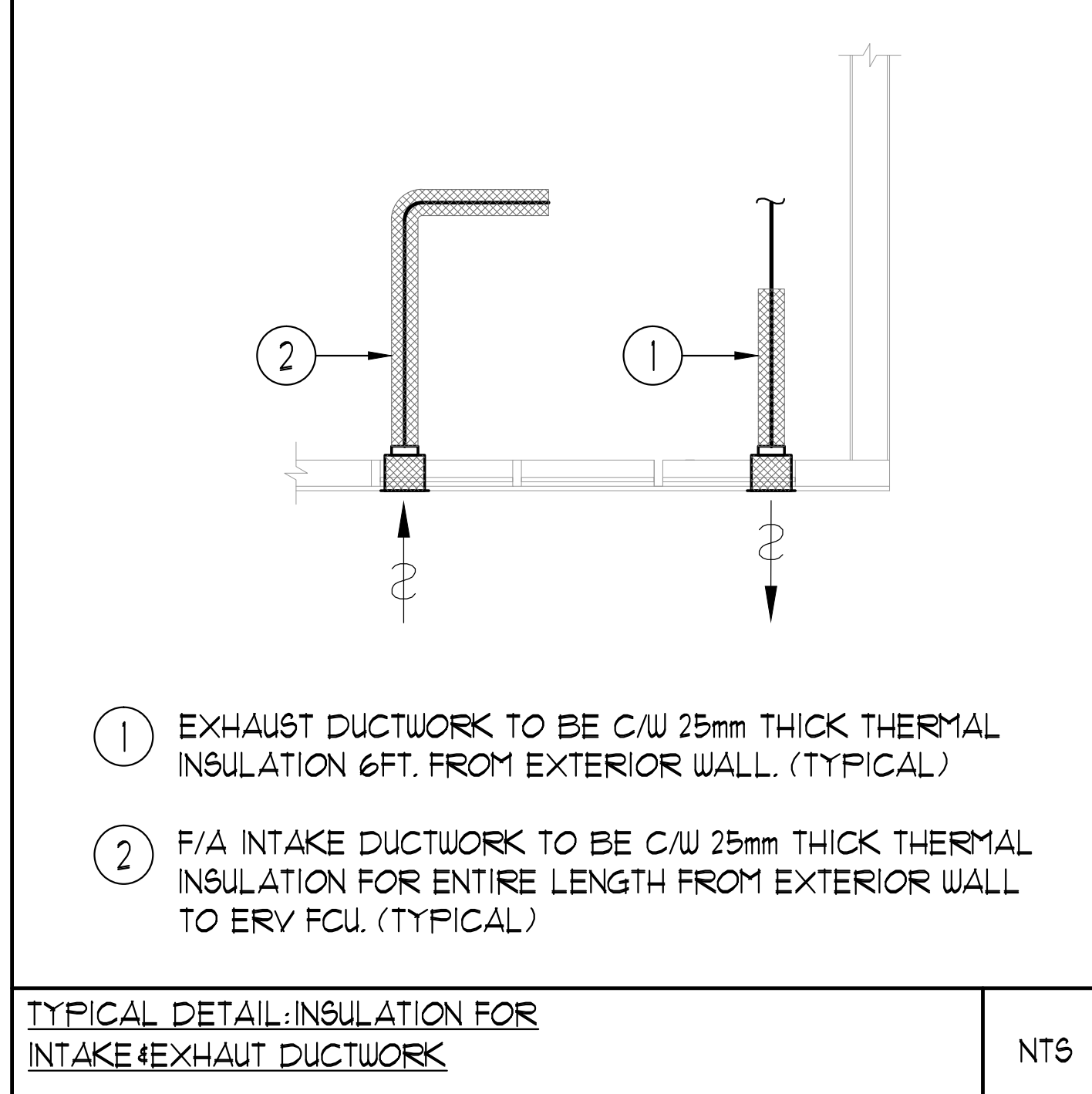


Drawing notes: \\adservers\current\Draw\15131 - Alexandra Park\15131-M-24-2018-PLAN - 500TH & KENNEDY MECHANICAL UNIT07.dwg Printed: Feb. 27, 2015 - 4:27pm



UNIT	NAME	AREA (SQ. FT.)	* OF UR	* OF FOUDEUR	SIZE (T)	FIXTURE UNITS	BR	SQ. FT./T
814	IC-D1	590	2	0	1	16	1	590
815	IC-DC1	590	2	0	1	16	1	590
816	IC-DF1	605	2	0	1	16	1	605
817	ID3	480	1	0	1	10	1	480
818	2E	675	2	0	15	16	2	450
821	2C3	670	2	0	15	16	2	441
823	IC-DD1	605	2	0	1	16	1	605
824	IC-DG1	620	2	0	1	16	1	620
826	IC-D1	590	2	0	1	16	1	590
827	2K4	730	2	0	15	16	2	481

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	INSULATED
W-3	625x200	WALL BOX

VERTICAL FAN COIL SIZE		
DESIGNATION	MODEL	W x D
FCU-1T	450	508x660
FCU-1BT	600	508x660
FCU-2T	800	508x660
FCU-2BT	1000	559x660
FCU-3T	1200	559x660

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

DUCT SIZING TABLE		
(406 m/s, 800 FPM)		
DESIGNATION	L/S	DUCT SIZE
(A)	41	100x150
(B)	71	150x150
(C)	94	200x150
(D)	118	200x150
(E)	141	250x150
(F)	165	300x150

- ACOUSTIC NOTES:
- 1) ALL HORIZONTAL SUPPLY AIR DUCTWORK SHALL BE C/W 25MM INTERNAL ACOUSTIC LINING AND SHALL BE SUSPENDED ON RUBBER PADS IN THE HANGERS. ELBOWS SHALL BE COMPLETE WITH TURNING VANES.
 - 2) ALL SYSTEM/DOMESTIC PIPE LOOPS OR OFFSETS WHICH ARE 50MM DIA. AND LARGER SHALL BE ISOLATED USING NEOPRENE IN-SHEAR HANGERS, AND ADDITIONAL 35 MM THICK RIBBED OR WAFFLED NEOPRENE PADS IN THE SADDLES OF CLEVIS HANGERS.
 - 3) ALL PIPES SMALLER THAN 50MM DIA. SHALL BE ISOLATED WITH 5MM THICK RIBBED OR WAFFLED RUBBER PADS IN HANGER SADDLES.

- 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 DRY, H/C 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.W.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 3.1.31
 - 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).

CLEAR FLOOR TO UNDERSLAB = 3050mm
CLEAR PRODUCT = 2100mm
COMPLETE DROP CEILING = 3500mm
SUITE 816/817/818/821/823/824: DRAINS FROM AMENITY TERRACE ON 9/F

- NOTES:
- 1) SOUTH F/A SHAFT FROM G/F TO 8/F. DUCT SERVING CORRIDOR FROM G/F TO 8/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.
 - 2) 150# KITCHEN / DRYER / W/R / FCU INTAKE / FCU EXHAUST DUCT. (TYPICAL UNLESS OTHERWISE NOTED)
 - 3) 32# SUR.
 - 4) 38# SUR.
 - 5) 50# SUR.
 - 6) 63# SUR.
 - 7) 75# SUR.
 - 8) 13# DHWR.
 - 9) 25# DHWR.
 - 10) 32# DHWR.
 - 11) 38# DHWR.
 - 12) 50# DCW & 38# DHW.
 - 13) 32# DCW & 25# DHW.
 - 14) 38# DCW & 25# DHW.
 - 15) 13# GAS PIPE UP TO SERVE BBQ ON 9/F.
 - 16) 100# 9AN 01%.
 - 17) 13# DCW & DHW UP TO SERVE (1) SINK ON 9/F - AMENITY SPACE.
 - 18) 13# DCW & DHW UP TO SERVE (1) SHOWER ON 9/F - AMENITY SPACE.
 - 19) 100# RUL DOWN.
 - 20) 100# 5TH 01%.
 - 21) 150# RUL DOWN.
 - 22) 150# 5TH 01%.
 - 23) 100# RUL FROM ABOVE.
 - 24) 100# RUL FROM ABOVE AND DOWN.
 - 25) 150# RUL FROM ABOVE.
 - 26) 32# DCW & 25 DHW.
 - 27) 25# DCW UP TO SERVE POOL MECHANICAL ROOM ON 9/F - AMENITY SPACE.
 - 28) 13# DCW UP TO SERVE NFHB.

LEGEND
MECHANICAL

SYMBOL	DESCRIPTION
[Symbol]	SUPPLY AIR DIFFUSER
[Symbol]	RETURN AIR DIFFUSER
[Symbol]	LINEAR SUPPLY DIFFUSER
[Symbol]	TEMPERATURE SENSOR
[Symbol]	FAN SWITCH
[Symbol]	RETURN AIR GRIFF
[Symbol]	EXHAUST AIR GRIFF
[Symbol]	SUPPLY DUCT UP
[Symbol]	SUPPLY DUCT DOWN
[Symbol]	RETURN DUCT UP
[Symbol]	RETURN DUCT DOWN
[Symbol]	EXHAUST DUCT UP
[Symbol]	EXHAUST DUCT DOWN
[Symbol]	FIRE DAMPER
[Symbol]	BALANCE DAMPER
[Symbol]	HORIZONTAL DAMPER
[Symbol]	HORIZONTAL FIRE DAMPER
[Symbol]	BACKDRAFT DAMPER
[Symbol]	OPPOSED BLADE VOLUME CONTROL DAMPER
[Symbol]	TURNING VANE
[Symbol]	FLEXIBLE CONNECTION
[Symbol]	ACOUSTIC INSULATION
[Symbol]	TYPE OF EQUIPMENT
[Symbol]	EQUIPMENT IDENTIFICATION
[Symbol]	TYPE OF SUPPLY OR GRILLE
[Symbol]	GRILLE SIZE OR DIFFUSER NECK SIZE
[Symbol]	WALLPEN (OPT OR L)
[Symbol]	STARTER / 3 PHASE / PHASE 1
[Symbol]	FAN SWITCH / IN-SUITE DRY COOLING BUTTON
[Symbol]	CO SENSOR
[Symbol]	GAS PETER
[Symbol]	GAS COOK
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	SANITARY ABOVE GRADE
[Symbol]	SANITARY BELOW GRADE
[Symbol]	STORY ABOVE GRADE
[Symbol]	STORY BELOW GRADE
[Symbol]	DOMESTIC HOT WATER
[Symbol]	DOMESTIC COLD WATER
[Symbol]	DOMESTIC HOT WATER
[Symbol]	DOMESTIC HOT WATER RECIRCULATION
[Symbol]	WATER PETER
[Symbol]	FLOOR DRAIN
[Symbol]	PANTRY FLOOR DRAIN
[Symbol]	HUB DRAIN
[Symbol]	ROOF DRAIN
[Symbol]	BLVD DRAIN
[Symbol]	AREA DRAIN
[Symbol]	BLVD AREA DRAIN
[Symbol]	CATCH BASIN
[Symbol]	SANITARY TRAP
[Symbol]	ELBOW UP
[Symbol]	ELBOW DOWN
[Symbol]	WALL CLEANOUT
[Symbol]	FLOOR CLEANOUT
[Symbol]	HOSE BIBB
[Symbol]	NON-FREEZE HOSE BIBB
[Symbol]	SLOPE VALVE
[Symbol]	GATE VALVE
[Symbol]	BALL VALVE
[Symbol]	BUTTERFLY VALVE
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	CHECK VALVE
[Symbol]	COP-PRESSURE AIR OUTLET
[Symbol]	BACKFLOW PREVENTER
[Symbol]	CIRCUIT BALANCING VALVE
[Symbol]	MULTIPLE PIPES
[Symbol]	1 - DOMESTIC NO. OF PIPES
[Symbol]	TEMPERATURE SENSOR
[Symbol]	THERMISTOR
[Symbol]	2-WAY MODULATING VALVE
[Symbol]	3-WAY MODULATING VALVE
[Symbol]	1/2" (4" D) THERMISTOR
[Symbol]	C/W 12" (4" D) THERMISTOR
[Symbol]	FLOOR ELEVATION ABOVE LEVEL
[Symbol]	FLOOR ELEVATION TO US HEIGHT

20/21/4	3	ISSUED FOR TENDER	EP
21/21/4	1	RE-ISSUED FOR PERMIT	EP
22/21/4	1	ISSUED FOR PERMIT	EP
DATE	NO.	DESCRIPTION	BY

MARK UPD ALL PRINTS DATES PREVIOUS TO FINAL DATE ABOVE

REVISIONS

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DRAWINGS ARE NOT TO BE SCALED

NOVA
TREND

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20/12/20
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DRAWING TITLE:
8/F SOUTH MECHANICAL LAYOUT

PROJECT TITLE:
50 ALEXANDRA PARK BLOCK II
35 CAMERON STREET TORONTO

DRAWN BY: G.S. CHECKED BY: E.P. SCALE: 1:50

DATE: FEB. 13 PROJECT NUMBER: 1313 DRAWING NUMBER: M-24 OF 43

