VARIABLE AIR VOLUME UNIT SCHEDULE

TAG	SERVE	MAKE	MODEL	UNIT SIZE (INCHES)	SUPPLY AIRFLOW MIN (CFM)	SUPPLY AIRFLOW MAX (CFM)	ELECTRICAL HEAT COIL MIN SA (CFM)	ELECTRICAL HEAT COIL EAT (°F)	ELECTRICAL HEAT COIL LAT (°F)	ELECTRICAL HEAT COIL CAPACITY (KW)	VOLTS / PHASE	STEPS	REMARKS
VAV-1-1	200 OFFICE	Price	SDV	12	335	2250	335	55	85	3.2	208-3	SCR	
VAV-1-2	200 OFFICE	Price	SDV	12	335	2250	335	55	85	3.2	208-3	SCR	
VAV-1-3	BATH	Price	SDV	4	200	200	200						
VAV-1-4	CORRIDOR	Price	SDV	4	100	300	100	55	85	0.9	208-3	SCR	
VAV-2-1	201 OFFICE	Price	SDV	10	335	1500	335	55	85	3.2	208-3	SCR	
VAV-2-2	203 OFFICE	Price	SDV	10	335	1280	335	55	85	3.2	208-3	SCR	
VAV-2-3	205 OFFICE	Price	SDV	10	335	1280	335	55	85	3.2	208-3	SCR	
VAV-2-4	207 OFFICE	Price	SDV	9	245	1120	245	55	85	2.3	208-3	SCR	
VAV-2-5	207 OFFICE	Price	SDV	8	245	820	245	55	85	2.3	208-3	SCR	
VAV-3-1	202 OFFICE	Price	SDV	10	335	1560	335	55	85	3.2	208-3	SCR	
VAV-3-2	204 OFFICE	Price	SDV	9	335	1250	335	55	85	3.2	208-3	SCR	
VAV-3-3	206 OFFICE	Price	SDV	9	335	1250	335	55	85	3.2	208-3	SCR	
VAV-3-4	208 OFFICE	Price	SDV	8	245	1000	245	55	85	2.3	208-3	SCR	
VAV-3-5	208 OFFICE	Price	SDV	8	245	940	245	55	85	2.3	208-3	SCR	
VAV-4-1	210 OFFICE	Price	SDV	10	335	1300	335	55	85	3.2	208-3	SCR	
VAV-4-2	210 OFFICE	Price	SDV	10	335	1325	335	55	85	3.2	208-3	SCR	
VAV-4-3	CORRIDOR	Price	SDV	5	100	375	100	55	85	0.9	208-3	SCR	
VAV-5-1	209 OFFICE	Price	SDV	6	170	500	170	55	85	1.6	208-3	SCR	
VAV-5-2	209 OFFICE	Price	SDV	8	245	1000	245	55	85	2.3	208-3	SCR	
VAV-5-3	211 OFFICE	Price	SDV	8	245	1000	245	55	85	2.3	208-3	SCR	
VAV-5-4	211 OFFICE	Price	SDV	8	245	1000	245	55	85	2.3	208-3	SCR	
VAV-5-5	213 OFFICE	Price	SDV	8	245	1000	245	55	85	2.3	208-3	SCR	
VAV-5-6	213 OFFICE	Price	SDV	10	335	1500	335	55	85	3.2	208-3	SCR	
VAV-5-7	215 OFFICE	Price	SDV	8	245	1000	245	55	85	2.3	208-3	SCR	
VAV-5-8	215 OFFICE	Price	SDV	8	245	1000	245	55	85	2.3	208-3	SCR	
VAV-6-1	212 OFFICE	Price	SDV	9	245	1100	245	55	85	2.3	208-3	SCR	
VAV-6-2	212 OFFICE	Price	SDV	9	245	1100	245	55	85	2.3	208-3	SCR	
VAV-6-3	214 OFFICE	Price	SDV	9	245	1050	245	55	85	2.3	208-3	SCR	
VAV-6-4	214 OFFICE	Price	SDV	9	245	1050	245	55	85	2.3	208-3	SCR	
VAV-6-5	216 OFFICE	Price	SDV	8	245	950	245	55	85	2.3	208-3	SCR	
VAV-6-6	216 OFFICE	Price	SDV	8	245	950	245	55	85	2.3	208-3	SCR	
VAV-6-7	217 OFFICE	Price	SDV	8	245	900	245	55	85	2.3	208-3	SCR	
VAV-6-8	217 OFFICE	Price	SDV	8	245	900	245	55	85	2.3	208-3	SCR	
VAV-7-1	218 OFFICE	Price	SDV	12	335	2250	335	55	85	3.2	208-3	SCR	
VAV-7-2	218 OFFICE	Price	SDV	12	335	2250	335	55	85	3.2	208-3	SCR	
VAV-7-3	BATH	Price	SDV	4	200	200	200						
VAV-7-4	CORRIDOR	Price	SDV	4	100	300	100	55	85	0.9	208-3	SCR	

FAN SCHEDULE

(1) FAN TO BE INTERLOCKED WITH LIGHTS, COORDINATE WITH ELECTRICAL
(2) FAN TO BE INTERLOCKED WITH RTU-1
(3) FAN TO BE INTERLOCKED WITH RTU-7

TAG	MANUFACTURER	MODEL	LOCATION	CFM	E.S.P. (IN W.C.)	VOLTAGE (V/PH/Hz)	OPERATING POWER	FLA	RPM	DRIVE TYPE	DUCT SIZE CONNECTION	WEIGHT (LBS)	REMARKS
EF-1	GREENHECK	SP-A90	CEILING	50	0.3	115/1/60	15W	0.17	900	DIRECT W/ SPEED CONTROL	6"ø	12	(1)
EF-2	GREENHECK	SP-A70	CEILING	60	0.25	115/1/60	15W	0.16	850	DIRECT W/ SPEED CONTROL	6"ø	12	(1)
EF-R1	GREENHECK	G-090-VG	ROOF	400	0.3	208/1/60	1/6HP	1.5	1250	DIRECT W/ SPEED CONTROL	10X10	29	(2)
EF-R2	GREENHECK	G-090-VG	ROOF	400	0.3	208/1/60	1/6HP	1.5	1250	DIRECT W/ SPEED CONTROL	10X10	29	(3)

LOUVER SCHEDULE

UNIT TAG	MAKE	MODEL NO.	REMARKS
OAL	GREENKECK	EHH-601DE	REFER TO PLANS FOR DIMENSIONS AND QUANTITY.

NOTES:
1) MIAMI-DADE NOA NO.:20.0929.06, EXP. 12/24/2025; FL 19665
2) AMCA 540 LISTED.
3) PROVIDE WIRE MESH SCREEN

RTU SCHEDULE

TAG	Serve	Manuf./ Model	O/A (CFM)	Unit: Electrical Voltage	Unit: Electrical MCA (A)	Unit: Electrical MOP (A)	Unit: Supply Fan Airflow (CFM)	Unit: Supply Fan ESP (inH2O)	Unit: Supply Fan Motor Size (HP)	Unit: Compressor Stages	Unit: Compressor Qty	Unit: Compressor Power (kW)	Heating TYPE	Heating KW	Heating STAGE	Cooling Ambient DB (°F)	Cooling EAT EDB (°F)	Cooling EAT EWB (°F)	Cooling LAT LDB (°F)	Cooling LAT LWB (°F)	Total Capacity (MBh)	Sensible Capacity (MBh)	SYSTEM EER / IEER	SYSTEM Weight (lb)	CONFIG.	AHRI
RTU-1	SEE DRWNG	TRANE THJ150A3	550	208/60/3	70	90	5000	1.5	4.6	3	2	11.11	ELECTRIC	18	1	95	78.0	65.0	58.36	55.95	149.83	119.79	11.1/ 16.2	1254	DOWNFLOW	
RTU-2	SEE DRWNG	TRANE THJ180A3	400	208/60/3	78	100	6000	1.5	3.0	3	2	15.04	ELECTRIC	18	1	95	78.0	65.0	56.83	55.51	182.44	142.21	12.1/ 18.1	1911	DOWNFLOW	
RTU-3	SEE DRWNG	TRANE THJ180A3	400	208/60/3	78	100	6000	1.5	3.0	3	2	15.04	ELECTRIC	18	1	95	78.0	65.0	56.83	55.51	182.44	142.21	12.1/ 18.1	1911	DOWNFLOW	
RTU-4	SEE DRWNG	TRANE THJ090A3	250	208/60/3	42	50	3000	1.5	3.0	3	1	7.32	ELECTRIC	9	1	95	78.0	65.0	57.22	55.58	90.65	73.07	12.3/ 17.3	949	DOWNFLOW	
RTU-5	SEE DRWNG	TRANE THJ240A3	650	208/60/3	132	150	8000	1.5	3.0	4	2	21.82	ELECTRIC	36	2	95	78.0	65.0	57.55	55.71	239.98	190.45	11.0/ 17.0	2011	DOWNFLOW	
RTU-6	SEE DRWNG	TRANE THJ240A3	630	208/60/3	132	150	8000	1.5	3.0	4	2	21.82	ELECTRIC	36	2	95	78.0	65.0	57.55	55.71	239.98	190.45	11.0/ 17.0	2011	DOWNFLOW	
RTU-7	SEE DRWNG	TRANE THJ150A3	550	208/60/3	70	90	5000	1.5	4.6	3	2	11.11	ELECTRIC	18	1	95	78.0	65.0	58.36	55.95	149.83	119.79	11.1/ 16.2	1254	DOWNFLOW	

SPLIT SYSTEM SCHEDULE

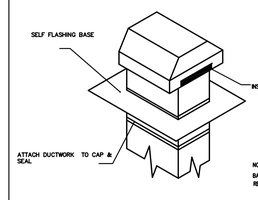
AIR HANDLING UNIT: TAG	SERVICE	MANUF./ MODEL	TOTAL CFM	O/A CFM	ESP IN.W.	FAN HP	WT LBS	ELECT. HEAT. KW	UNIT MCA	UNIT FUSE	DIMENSIONS V/PH/HZ	DIMENSIONS W X D X H	AIR COOLED CONDENSING UNIT: MARK	MANUF./ MODEL	WT LBS	V-PH-HZ	COMPRESSOR QTY.	COMPRESSOR RLA	COMPRESSOR LRA	FAN QTY	FAN FLA	UNIT MCA	UNIT MAX. FUSE	DIMENSIONS W X D X H	SYSTEM DATA: CAPACITY TMBH	CAPACITY SMBH	SEER2	REF. LINES SUCTION	REF. LINES LIQUID
AHU-1	SEE DRWNG	TRANE TEM6A0C48H41	1600	210	0.9	0.75	174	7.21	52	60	208/1 /60	23.5X21.2X51.3	CU-1	TRANE 4TTR5048N1	256	208-1-60	1	18.5	124	1	0.93	24	40	37.3X34.3X45.2	45.8	35.7	15.4	7/8"	3/8"
AHU-2	SEE DRWNG	TRANE TEM6B0C60H51	1900	255	0.9	0.75	174	7.21	52	60	208/1 /60	23.5X21.2X51.3	CU-2	TRANE 4TTR5060N1	252	208-1-60	1	21.9	120	1	0.97	28	50	37.3X34.3X45.2	56.2	43.3	15.4	1-1/8"	3/8"
AHU-3	SEE DRWNG	TRANE NTYWST24A112A	388-738	--	--	0.76	37	--	1.0	--	208/1 /60	43.3X9.6X12.8	CU-3	TRANE NTYST24A112A	119	208-1-60	1	12.9	16.1	1	0.93	17.1	20	33X13X34.6	22.4	17.0	20.4	5/8"	3/8"
AHU-4	SEE DRWNG	TRANE TEM6B0C60H51	1900	285	0.9	0.75	174	7.21	52	60	208/1 /60	23.5X21.2X51.3	CU-4	TRANE 4TTR5060N1	252	208-1-60	1	21.9	120	1	0.97	28	50	37.3X34.3X45.2	56.2	43.3	15.4	1-1/8"	3/8"
AHU-5	SEE DRWNG	TRANE TEM6B0C60H51	1900	350	0.9	0.75	174	7.21	52	60	208/1 /60	23.5X21.2X51.3	CU-5	TRANE 4TTR5060N1	252	208-1-60	1	21.9	120	1	0.97	28	50	37.3X34.3X45.2	56.2	43.3	15.4	1-1/8"	3/8"

SPLIT SYSTEM NOTES:
1. OUTSIDE AIR DESIGN CONDITIONS: 92.2°DB – 78.1°WB (MIAMI-FL)
2. PROVIDE FACTORY INSTALLED DRAIN PAN.
3. PROVIDE CONDENSATE OVERFLOW SWITCH.
4. PROVIDE FILTER RACK FOR AHU
5. PROVIDE BUILT-IN DISCONNECT WITH ALL AIR HANDLING UNITS RECOMMENDATIONS.
6. PROVIDE FACTORY INSTALLED CRANK CASE HEATER
7. PROVIDE CONDENSING UNITS WITH SINGLE POINT POWER, DISCONNECT SWITCH, NON POWERED.
8. PROVIDE FACTORY INSTALLED COPPER TUBE ALUMINUM FIN CONDENSER COIL.
9. PROVIDE CONDENSING UNIT W/ CORROSION PROTECTION ON CONDENSER COIL.
10. SIZE AND RUN REFRIGERANT PIPING AS MANUFACTURER'S LATEST PUBLISHED RECOMMENDATION.
11. INSTALL CHEMICAL DRYER AND STRAINER IN REFRIGERANT LIQUID LINES.
12. INSULATE REFRIGERANT SUCTION LINE WITH 3/4" FIRE RETARDANT ARMAFLEX.

AIR DEVICE SCHEDULE

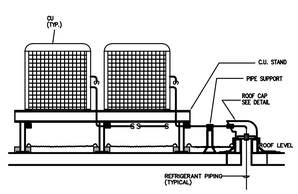
UNIT TAG	MFGR & MODEL	FACE SIZE /MODULE	REMARKS
A1	PRICE 620	16"X8"	DOUBLE DEFLECTION'
A2	PRICE AMD	12"X12"	4-WAY
B1	PRICE 630	24"X24"	
E1	PRICE 630	12"X12"	

AIR TERMINAL NOTES:
1) BRANCH DUCTS AND RUNOUTS ARE SIZED AS NOTED ON PLANS. USE A REDUCER TO CONNECT TO THE DIFFUSER NECK AS REQUIRED.
2) ALL AIR DEVICES HAVE TO BE PROVIDED WITH MANUAL OPPOSED BLADE DAMPERS.
3) MAXIMUM PRESSURE DROP FOR ALL AIR DEVICES SHALL NOT EXCEED 0.08 IN. W.C.
4) ALL AIR DEVICES SHALL BE WHITE UNLESS OTHERWISE NOTICED. COORDINATE WITH ARCHITECT.
5) MAXIMUM NC FOR ALL DEVICES SHALL NOT EXCEED 25.
6) ALL AIR DEVICES SHALL BE ALUMINUM CONSTRUCTION UNLESS OTHERWISE NOTED.

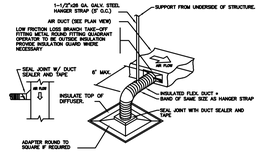


NOTE: BASIS OF THE DESIGN REVENSMATIC RSCJ63

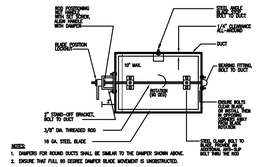
15 ROOF CAP DETAIL M-200 N.T.S.



14 ROOF MOUNTED CONDENSING UNITS M-200 N.T.S.

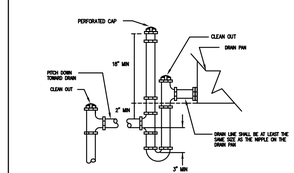


4 FLEXIBLE DUCT CONNECTION DETAIL M-200 N.T.S.

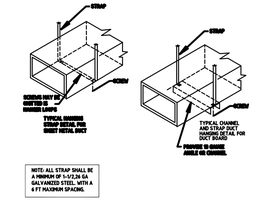


NOTES:
1. DAMPERS FOR ROUND DUCTS SHALL BE SIMILAR TO THE DAMPER SHOWN ABOVE.
2. ENSURE THAT FULL 90 DEGREE DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
3. FOR DUCT HEIGHTS MORE THAN 10 INCHES, PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS.

3 MANUAL DAMPER DETAIL M-200 N.T.S.

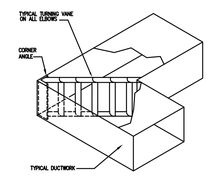


2 TYPICAL CONDENSATE DRAIN TRAP M-200 N.T.S.

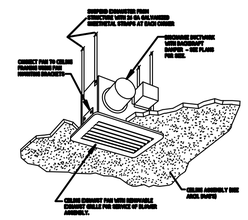


NOTE: ALL STRAP SHALL BE A MINIMUM OF 1-1/2,26 GA GALVANIZED STEEL WITH A 6 FT MAXIMUM SPACING.

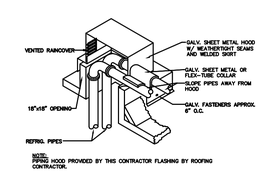
1 METHODS OF HANGING M-200 N.T.S.



8 ELBOW TURNING VANE DETAIL M-200 N.T.S.

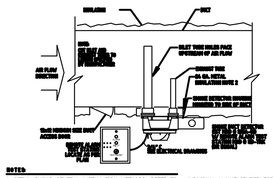


7 CEILING MOUNTING FAN DETAIL M-200 N.T.S.



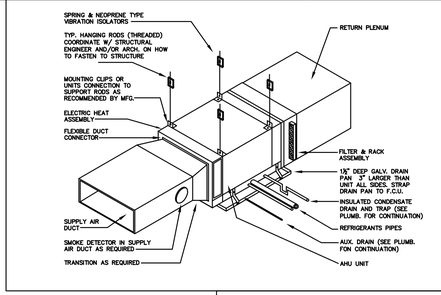
NOTE: PIPING HOOD PROVIDED BY THIS CONTRACTOR FLASHING BY ROOFING CONTRACTOR.

6 ROOF REFRIGERANT LINE COVER DETAIL M-200 N.T.S.

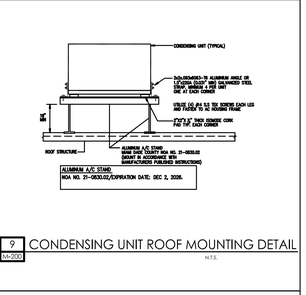


NOTES:
1. DETAIL SHOWS GENERAL INSTALLATION METHODS. REFER TO INDIVIDUAL MANUFACTURER FOR THEIR SPECIFIC INSTALLATION AND LOCATION INSTRUCTIONS.
2. STANDOFF BRACKET NOT REQUIRED ON NON-INSULATED DUCT.
3. CONNECT DUCT DETECTOR TO BUILDINGS FIRE ALARM SYSTEM IN ACCORDANCE WITH FBC-M 606.4.1

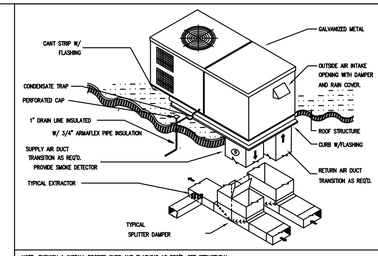
5 DUCT SMOKE DETECTOR DETAIL M-200 N.T.S.



10 AHU HANGING DETAIL M-200 N.T.S.

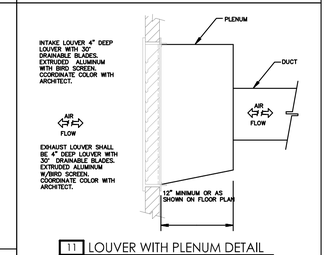


9 CONDENSING UNIT ROOF MOUNTING DETAIL M-200 N.T.S.



NOTE: FURNISH & INSTALL PROPER CURB AND FLASHING AS REQ'D. SEE STRUCTURAL DRAWINGS FOR ROLLING REQUIREMENTS. CURB TO ROOF. BOLT UNIT TO CURB WITH 3" @4 TEK SCREWS, 6" OC, MIN. 6 PER LONG SIDE, MIN. 3 PER SHORT SIDE.

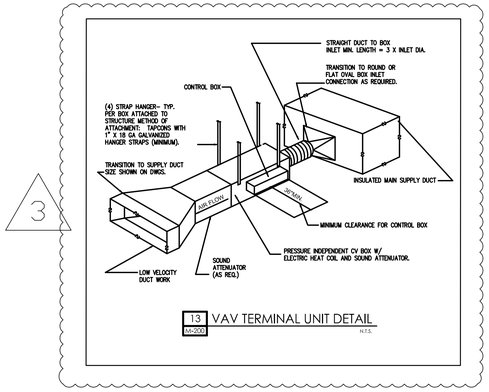
12 ROOFTOP PACKAGE A/C UNIT DETAIL M-200 N.T.S.



11 LOUVER WITH PLENUM DETAIL M-200 N.T.S.

OUTSIDE AIR CALCULATION (AS PER ANSI/ASHRAE STANDARD 62.1-2010)

ROOM	AREA SQ. FT.	P/1000 SQ. FT.	NO. OF PEOPLE	CFM/P SQ. FT.	CFM/ SQ. FT.	CFM REQUIRED	CFM PROVIDED
100	2155	15	33	7.5	0.12	507	510
101	1753	15	27	7.5	0.12	413	420
102	1753	15	27	7.5	0.12	413	420
103	1753	15	27	7.5	0.12	413	420
104	1753	15	27	7.5	0.12	413	420
105	1753	15	27	7.5	0.12	413	420
106	3471	7	25	20	0.18	1125	1130
107	1296	0	0	0	0.06	78	350
112	3604	15	55	7.5	0.12	845	850
113	1753	15	27	7.5	0.12	413	420
114	1753	15	27	7.5	0.12	413	420
115	1753	15	27	7.5	0.12	413	420
116	1753	15	27	7.5	0.12	413	420
117	1753	15	27	7.5	0.12	413	420
118	1753	15	27	7.5	0.12	413	420
119	1753	15	27	7.5	0.12	413	420
200	3801	5	20	5	0.06	329	330
201	1165	5	6	5	0.06	100	100
202	1234	5	7	5	0.06	110	110
203	953	5	5	5	0.06	83	85
204	902	5	5	5	0.06	80	80
205	954	5	5	5	0.06	83	85
206	906	5	5	5	0.06	80	80
207	1544	5	8	5	0.06	133	135
208	1500	5	8	5	0.06	130	130
209	1550	5	8	5	0.06	133	135
210	2177	5	11	5	0.06	186	190
211	1945	5	10	5	0.06	167	170
212	1989	5	10	5	0.06	170	170
213	1945	5	10	5	0.06	167	170
214	1818	5	10	5	0.06	160	160
215	1995	5	10	5	0.06	170	170
216	1674	5	9	5	0.06	146	150
217	1611	5	9	5	0.06	142	145
218	3891	5	20	5	0.06	334	335



13 VAV TERMINAL UNIT DETAIL M-200 N.T.S.

RISE | FL architecture
ARCHITECTS
NYC OFFICE
241 37TH STREET NORTH #B4
BROOKLYN, NEW YORK 11232
JEFF@RISEARCHITECTURE.COM
516-249-3746
NJ OFFICE
36 ARPORT ROAD, STE 306
LAKEWOOD, NJ 08701
SHIMON.GREENBAUM@RISEARCHITECTURE.COM
908-967-8871
FL OFFICE
2100 N. UNIVERSITY DR. #2208
CORAL SPRINGS, FL 33071
SHIMON.GREENBAUM@RISEARCHITECTURE.COM
908-967-8871
STRUCTURAL CONSULTANT:
MEP CONSULTANT:
DELTA G CONSULTING ENGINEERS, INC.
1800 Eller Drive, Suite 570
Fort Lauderdale, FL. 33316
(954) 527-1112
CA#0000035181
PJT. MGR: STEPHEN BENDER, P.E.
PROJECT #: 230515-G
Digitally signed by Stephen Bender
Date: 2024.09.16 16:53:07 -04'00'
CIVIL CONSULTANT:
DESIGNER CONSULTANTS:

REVISIONS NO.	DATE	DESCRIPTION
1	04.03.24	CAP GOVERN COMMENTS
2	07.25.24	CAP GOVERN COMMENTS
3	09.16.24	CAP GOVERN COMMENTS

CLIENT: CLIENT NAME

PROJECT NAME / LOCATION: PROJECT NAME, PROJECT ADDRESS

DRAWING TITLE: MECHANICAL SCHEDULES AND DETAILS

EXAMINERS SIGNATORY:

PROFESSIONAL SEAL:

GEORGE SANJUAN, P.E.
FLORIDA LICENSE #46100

SCALE: AS SHOWN

DATE:

PROJECT NO.: M200

DRAWING NO.:

BARCODE

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT. DO NOT SCALE DRAWING. THE DRAWING SHALL NOT BE USED UNTIL SIGNED BY CONSULTANTS.