



STARBUCKS
2401 UTAH AVENUE SOUTH
SEATTLE, WASHINGTON 98134
(206) 318-1575

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STARBUCKS TEMPLATE VERSION | 2019.01.11

Design Forum Architects Inc.
2558 Byers Rd
Miami, OH 45342
Tel: (646) 804-7700

Donald J. Rehrman
Architect in Charge
License: AR0017303

Design Forum Engineering
2558 Byers Rd
Miami, OH 45342
Tel: (646) 804-7700

Timothy L. Haverling, PE
Professional Engineer
License: 62076

FOR CONSTRUCTION

PROJECT NAME:
HARDEN & POLK

PROJECT ADDRESS:
1310 LAKESIDE VILLAGE CIR
LAKELAND, FL 33803

STORE #: 2965
PROJECT #: 21120-060
ISSUE DATE: 08/10/2020
DESIGNER: RAI MONTERO
PRODUCTION DESIGNER: PAUL HARLOR
CHECKED BY: RAI MONTERO

Revision Schedule		
Rev	Date	Description

SHEET TITLE:
MECHANICAL SCHEDULES

SCALE: AS SHOWN

SHEET NUMBER:
M601

ROOFTOP AC UNIT SCHEDULE (EXISTING BY LANDLORD UNDER SEPARATE PERMIT)

UNIT NO.	SUPPLY CFM	O.A. CFM	TOTAL COOLING (TONS)	SENSIBLE COOLING (MBH)	ELEC HEAT INPUT (KW)	ELEC HEAT OUTPUT (MBH)	ENTERING AIR CONDITIONS			EXT. S.P. " W.C.	FAN HP	VOLT/PH	MCA	MOCP	E.E.R.	MANUF	MODEL NUMBER	REMARKS
							DB °F	WB °F	AMB									
RTU-5	4,000	240	10	92.5	12.0	40.9	80	67	95	0.8	3.0	208/3	56	60	12.0	CARRIER	50HC'D11	1,2,3,4,5,6,7,8,9
RTU-6	4,000	835	10	92.5	12.0	40.9	80	67	95	0.8	3.0	208/3	56	60	12.0	CARRIER	50HC'D11	1,2,3,4,5,6,7,8,9

- NOTES:
- UNITS SHALL BE FURNISHED WITH MERV8 REPLACEABLE MEDIA FILTERS.
 - FIELD VERIFY SMOKE DETECTOR PROVIDED IN SUPPLY AIR DUCT DROPS.
 - PROVIDE SEA SALT SPRAY PROTECTION ON CONDENSER COILS.
 - FIELD VERIFY EXISTING MANUFACTURER'S STANDARD 14" HIGH FULL UNIT CURB INSTALLED TO MATCH ROOF SLOPE.
 - FIELD VERIFY EXISTING UNITS HAVE ECONOMIZER WITH BAROMETRIC RELIEF AND DIFFERENTIAL ENTHALPY CONTROLS. ECONOMIZER CONTROLS SHALL HAVE FAULT DETECTION AND DIAGNOSTIC CAPABILITIES MATCHING REQUIREMENTS OF 2017 FLORIDA BUILDING CODED - ENERGY CONSERVATION SECTION C403.2.4.7
 - PROVIDE VENSTAR SURVEYOR MODEL CT414 PROGRAMMABLE TWO STAGE THERMOSTAT WITH REMOTE TEMPERATURE SENSOR.
 - FIELD VERIFY INTEGRAL DISCONNECT SWITCH.
 - ROOFTOP UNIT SHALL BE TESTED AND OPERABLE AND HAVE A ONE (1) YEAR COMPLETE UNIT WARRANTY AND A FIVE (5) YEAR COMPRESSOR WARRANTY.
 - FIELD VERIFY HAIL GUARDS PROVIDED OVER CONDENSER COILS.

EXHAUST FAN SCHEDULE (EXISTING BY LANDLORD UNDER SEPARATE PERMIT)

UNIT NO.	TYPE	CFM	S.P.	SONES	HP	VOLTS	PH	FAN RPM	SPEED	MANUFACTURER	MODEL	CONTROL	REMARKS
EF-1	ROOF	600	0.50	7.4	1/4	120	1	1650	1	GREENHECK	G-095-VG	-	1,2

- NOTES:
- FAN TO BE CONTROLLED BY LIGHTING CONTROL PANEL TO RUN CONTINUOUSLY IN OCCUPIED MODE. SEE E-502, DETAIL 6.
 - STATIC PRESSURE INCLUDES DUCTWORK AND AIR DEVICES ONLY.

AIR DISTRIBUTION DEVICES

TYPE	DESCRIPTION	VOLUME CONTROL	FINISH	TITUS MODEL NO. OR AS NOTED	PROVIDED BY	QUANTITY
CD-1	CEILING SUPPLY DIFFUSER	YES	WHITE	MODEL TDC, LAY-IN, 24"x24", 4-WAY	CONTRACTOR	13
CD-2	CEILING SUPPLY DIFFUSER	YES	WHITE	MODEL TDC, SURFACE, 24"x24", 4-WAY	CONTRACTOR	2
CD-3	CEILING SUPPLY DIFFUSER	YES	WHITE	MODEL TDC, SURFACE, 12"x12", 4-WAY	CONTRACTOR	2
LS-1	LINER SUPPLY DIFFUSER	YES	WHITE	MODEL ML-39, 2 SLOT, SURFACE, 5' LONG, W / BORDER TYPE 22	CONTRACTOR	8
RR-1	CEILING RETURN GRILLE	YES	WHITE	MODEL 350RL, LAY-IN, 24"x24"	CONTRACTOR	5
RR-2	CEILING RETURN GRILLE	YES	WHITE	MODEL 350RL, SURFACE, 24"x24"	CONTRACTOR	1
EG-1	CEILING EXHAUST GRILLE	YES	WHITE	MODEL 350RL, SURFACE, 10"x10"	CONTRACTOR	3
EG-2	DUCT MOUNTED EXHAUST GRILLE	YES	WHITE	MODEL 350RL, SURFACE, 10"x10"	CONTRACTOR	1

- NOTES:
- COORDINATE MOUNTING TYPES WITH ARCHITECTURAL CEILING AND WALL TYPES, AND SEE NECK SIZES ON PLANS.

VENTILATION SCHEDULE

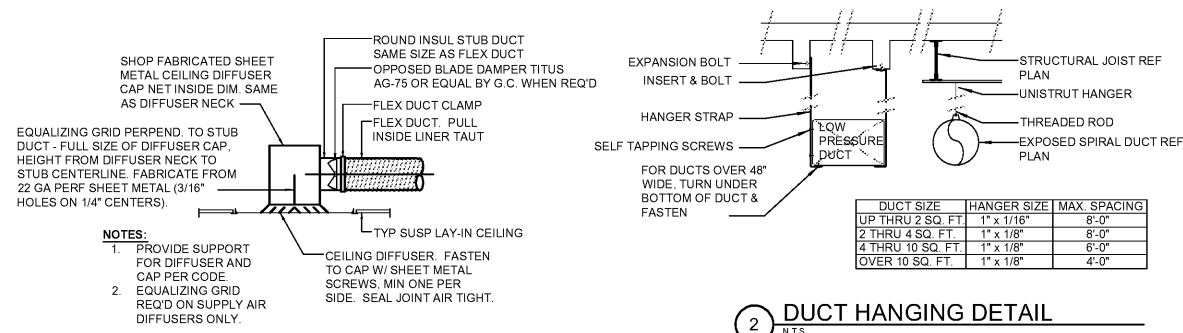
ROOM NAME	AREA, SQ. FT.	OCCUPANTS PER 1000 SQ. FT.	OCCUPANT LOAD	O.A. PER PERSON, CFM	OCCUPANT O.A., CFM	O.A., CFM PER SQ. FT.	AREA O.A., CFM	BASE O.A. REQUIRED (CFM)	VENT EFF.	TOTAL O.A. REQUIRED (CFM)	SERVED BY
RESTAURANT (DINING ROOM)	1160	70	61	7.5	458	0.18	209	666	0.8	835	RTU-6
BEV. PREP. (RETAIL SALES)	485	15	5	7.5	38	0.12	58	96	0.8	120	RTU-5
WORKROOM	515	10	2	5	10	0.12	62	72	0.8	90	RTU-5
RR / VESTIBULE	340	-	-	-	-	0.06	20	20	0.8	30	RTU-5
TOTAL - 854										TOTAL - 1,075	

- NOTES:
- SET OUTSIDE AIR AS CALLED OUT ON THE RTU SCHEDULE.
 - OUTSIDE AIR BASED ON CODE OCCUPANCY LISTED ON SHEET G-0001 AND ON 5 PEOPLE IN BEV. PREP (RETAIL SALES) AREA TO MEET LEED REQUIREMENTS.

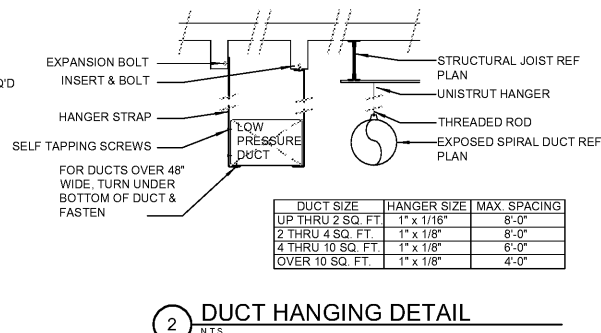
ICE MACHINE REMOTE CONDENSER SCHEDULE

DID NO.	REFRIGERANT	DIMENSIONS			VOLT/PH	FLA	MOCP	WEIGHT LBS.	MANUFACTURER	MODEL NUMBER	REMARKS
		WIDTH	DEPTH	HEIGHT							
18846	R-404	29 1/2"	28 1/2"	40"	208/1	1.3	15	125	ICE-O-MATIC	VRC-2661B	1, 2

- NOTES:
- PROVIDE PRECHARGED TUBING KIT. LENGTH WILL BE DETERMINED BY UNIT LOCATION AND MANUFACTURER'S RECOMMENDATIONS.
 - SECURE UNIT TO EXISTING SUPPORTS WITH CODE-APPROVED CABLING OR STRAPS.

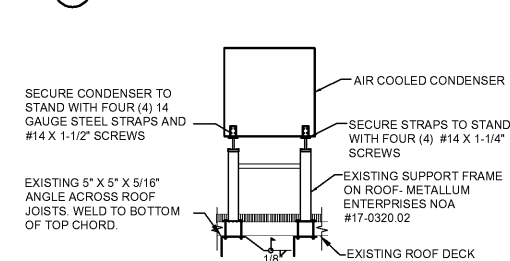


1 LAY IN DIFFUSER
N.T.S.

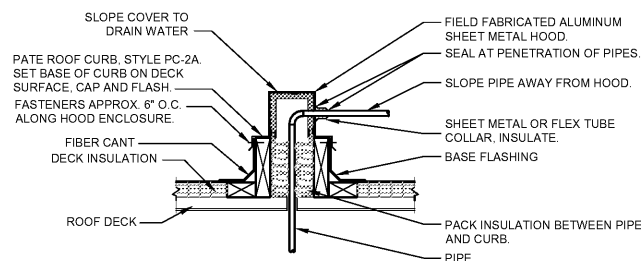


2 DUCT HANGING DETAIL
N.T.S.

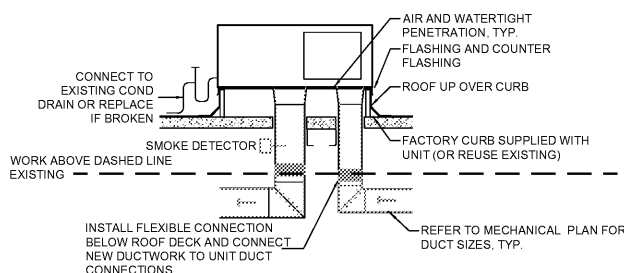
DUCT SIZE	HANGER SIZE	MAX. SPACING
UP THRU 2 SQ. FT.	1" x 1/16"	8'-0"
2 THRU 4 SQ. FT.	1" x 1/8"	8'-0"
4 THRU 10 SQ. FT.	1" x 1/8"	8'-0"
OVER 10 SQ. FT.	1" x 1/8"	4'-0"



3 CONDENSER SUPPORT DETAIL
N.T.S. (PROVIDED BY LANDLORD FOR REFERENCE ONLY)



4 PIPE ROOF CURB DETAIL
N.T.S. (PROVIDED BY LANDLORD FOR REFERENCE ONLY)



5 RTU DETAIL
N.T.S.

REFERENCE SHELL PERMIT#----- FOR EXISTING WORK BY LANDLORD

ENERGY MANAGEMENT SYSTEM (EMS) DEVICES

QUANTITY	DESCRIPTION	RESPONSIBILITY	COMMENTS
1	VENSTAR DC400, DATA CONCENTRATOR	SB-GC	LOCATE AT MANAGER'S WORK STATION. LOCATION SHOWN ON SHEET E-501, DETAIL 2.
2	VENSTAR ECP400, EQUIPMENT CONTROL PACK	SB-GC	LOCATE AT EACH HVAC UNIT. LOCATION OF HVAC UNITS SHOWN ON SHEET M-101.
2	VENSTAR CT414, COMMUNICATING THERMOSTAT	SB-GC	LOCATE BY MANAGER'S WORK STATION AS SHOWN ON M-101 AND E-103. COORDINATE LOCATION WITH STARBUCKS' EQUIPMENT.
2	VENSTAR RS410, WALL MOUNT REMOTE TEMPERATURE SENSOR	SB-GC	LOCATE AS SHOWN ON M-1101, ONE PER HVAC UNIT. COORDINATE LOCATION WITH STARBUCKS' ART, EQUIP.; PROJECT MANAGER.
0	VENSTAR RS420, OPTIONAL NARROW DOWN SENSOR	SB-GC	OPTIONAL SENSOR FOR WORKROOM. USE AS LAST RESORT ONLY IF NO SPACE EXISTS FOR WALL MOUNT TEMPERATURE SENSOR.
1	VENSTAR OTS400, OUTDOOR TEMPERATURE SENSOR	SB-GC	LOCATE ON ROOF IN SHADED LOCATION ON NORTH SIDE OF BUILDING.
1	VENSTAR SP400, SENSOR PAC	SB-GC	LOCATE COMPONENTS (AIRFLOW & TEMP SENSORS) PER SP400 SENSOR PAC INSTALLATION INSTRUCTIONS.

- NOTES:
- SURVEYOR EMERGY MANAGEMENT SYSTEM HARDWARE IS SUPPLIED BY STARBUCKS.
 - DRAWING FOR GENERAL INFORMATION, DESIGN INTENT, AND COORDINATION ONLY.

ELECTRICAL / MECHANICAL COORDINATION NOTES:

PROVIDE AND COORDINATE LINE VOLTAGE WIRING, LINE VOLTAGE CONTROL AND INTERLOCK WIRING FOR MECHANICAL SYSTEMS, AND LOW VOLTAGE CONTROL WIRING.
FURNISH WIRING DIAGRAMS TO THE ELECTRICIAN AS REQUIRED FOR PROPER EQUIPMENT HOOKUP. COORDINATE WITH THE ELECTRICIAN THE ACTUAL WIRE SIZING AMPS FOR MECHANICAL EQUIPMENT (FROM THE EQUIPMENT NAMEPLATE) TO ENSURE PROPER INSTALLATION.