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1919 EAST RAY
CHANDLER, AZ
PERMIT SET

DATE: 02-01-2016

REVISIONS	
NO.	DATE
1	04-04-2016



PROJECT NO: 15389
DRAWN BY: E/B/E

Mechanical - Schedules

SHEET NO: M5.0

FAN COIL UNIT SELECTION

MARK	ASH-1-1	ASH-1-2	ASH-1-3
UNIT TYPE	3000	3000	3000
U.S. CAP COOLING	125	125	125
U.S. CAP HEATING	42	42	42
U.S. CAP SENSIBLE HEATING	2.4	2.4	2.4

HEAT PUMP UNIT SCHEDULE

MARK	ASH-1-1	ASH-1-2	ASH-1-3
SERIES	ASH-1-1	ASH-1-2	ASH-1-3
TYPE	COOLING	COOLING	COOLING
U.S. CAP COOLING	125	125	125
U.S. CAP HEATING	42	42	42
U.S. CAP SENSIBLE HEATING	2.4	2.4	2.4

- PROVIDE SINGLE SOURCE POWER SUPPLY WITH ALL REQUIRED TRANSFORMERS, CONDENSERS, AND THERMAL STORES.
- REFRIGERANT IS R410A.
- FIELD SHALL BE 1" NOMINALS.
- PROVIDE EXPANDED REFRIGERANT LINES TO EACH ASSOCIATED CONDENSING UNIT.
- INSTALL REFRIGERANT WITH CORRECT SIZES AND TYPES OF REFRIGERANT OILS.
- PROVIDE NORMAL EXPANDED VALVE, CONDENSATE WATER LOW-PRESSURE SWITCHES, FOR AMBIENT TEMPS.
- UNITS TO BE PROVIDED WITH 7-DAY PROGRAMMABLE THERMOSTATS.

OUTSIDE AIR SYSTEM ANALYSIS

ROOMS OR AREAS TO BE SERVED BY THE SYSTEM AND THE RELATIVE SIZE OF THE ROOMS:
 ROOM NO. ROOM NAME ROOM TYPE ROOM AREA (SQ FT) ROOM VOLUME (CU FT)
 101-101 OFFICE 101-101 1200 28000
 101-102 OFFICE 101-102 1000 24000
 101-103 OFFICE 101-103 1000 24000

SYSTEM TYPE: 101-101/102/103 PERIPHERY 4 SYSTEMS
 SYSTEM TYPE: 101-101/102/103 PERIPHERY 4 SYSTEMS
 SYSTEM TYPE: 101-101/102/103 PERIPHERY 4 SYSTEMS

OUTSIDE AIR REQUIRED:
 101-101 420 CFM
 101-102 350 CFM
 101-103 350 CFM

TOTAL OUTSIDE AIR PROVIDED: 1120 CFM

TOILET EXHAUST SYSTEM ANALYSIS

TOILET EXHAUST SYSTEM ANALYSIS - CONVERTED TO ACCORDANCE WITH LATEST MECHANICAL CODE
 (WASH) ROOM/STOURE 100 CFM
 (WASH) ROOM/STOURE 30 CFM
 OFFICE RESTROOM 200 CFM

FAN SCHEDULE

MARK	ASH-1-1	ASH-1-2	ASH-1-3
SERIES	ASH-1-1	ASH-1-2	ASH-1-3
TYPE	COOLING	COOLING	COOLING
U.S. CAP COOLING	125	125	125
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TYPE	COOLING	COOLING	COOLING
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LOWER SCHEDULE

MARK	ASH-1-1	ASH-1-2	ASH-1-3
SERIES	ASH-1-1	ASH-1-2	ASH-1-3
TYPE	COOLING	COOLING	COOLING
U.S. CAP COOLING	125	125	125
U.S. CAP HEATING	42	42	42
U.S. CAP SENSIBLE HEATING	2.4	2.4	2.4

- REFRIGERANT IS R410A.
- FIELD SHALL BE 1" NOMINALS.
- PROVIDE EXPANDED REFRIGERANT LINES TO EACH ASSOCIATED CONDENSING UNIT.
- INSTALL REFRIGERANT WITH CORRECT SIZES AND TYPES OF REFRIGERANT OILS.
- PROVIDE NORMAL EXPANDED VALVE, CONDENSATE WATER LOW-PRESSURE SWITCHES, FOR AMBIENT TEMPS.
- UNITS TO BE PROVIDED WITH 7-DAY PROGRAMMABLE THERMOSTATS.

GRAVITY RELIEF HOOD SCHEDULE

MARK	ASH-1-1	ASH-1-2	ASH-1-3
SERIES	ASH-1-1	ASH-1-2	ASH-1-3
TYPE	COOLING	COOLING	COOLING
U.S. CAP COOLING	125	125	125
U.S. CAP HEATING	42	42	42
U.S. CAP SENSIBLE HEATING	2.4	2.4	2.4

- PROVIDE BROOKLYN.
- COORDINATE WITH FIRE DEPT.