

GENERAL NOTES	
1	PROVIDE A CERTIFIED TEST AND BALANCE FOR ALL HVAC SYSTEMS PER AABC OR NEBB STANDARDS. SUBMIT FINAL REPORT TO ARCHITECT OR ENGINEER AND TO MECHANICAL INSPECTOR. PROVIDE A "COMFORT" AIR BALANCE.
2	FLEX DUCT SHOULD NOT EXCEED 8' IN LENGTH
3	PROVIDE MANUAL DAMPERS @ BRANCH CONNECTION
4	ALL HEATING, COOLING, AND VENTILATION UNITS TO BE PERMANENTLY IDENTIFIED AS TO THE AREA SERVED BY THAT UNIT. TAG TO BE SUNLIGHT RESISTANT
5	DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS
6	PROVIDE RADIUS ELBOWS, TURNING VANES, MANUAL DAMPERS AND SPLITTER DAMPERS IN BRANCHES AND EXTRACTORS WHERE APPLICABLE
7	ALL SENSORS/THERMOSTATS SHALL BE MOUNTED PER ADA 48" TO 54" AFF
8	PROVIDE (1) SET OF FARR 30X30 THROW AWAY FINAL FILTERS, FRAMES, MOUNTING HARDWARE AND ACCESSORIES. PROVIDE (1) SET OF THROW AWAY FILTERS FOR USE DURING CONSTRUCTION PERIOD. REMOVE THE FILTERS AFTER THE CONSTRUCTION PERIOD AND INSTALL FINAL FILTERS (PRIOR TO THE BALANCING OF THE SYSTEM)

BATTERY CHARGING HYDROGEN GAS RATE CALCULATION

WAREHOUSE: 2,136,300 CF
PER BATTERY MANUFACTURER:
(3) BATTERIES @ 214.35 CF EA = 643.05 CF HYDROGEN GAS PRODUCED
PERCENTAGE OF HYDROGEN GAS: 0.000236%
CODE ALLOWED LIMIT OF HYDROGEN CONCENTRATION: 1%
EXHAUST NOT REQUIRED NOR PROVIDED

CITY OF GOODYEAR GENERAL NOTES

ALL WORK TO COMPLY WITH THE 2018 IMC AND CITY OF GOODYEAR ADOPTED CODES AND AMENDMENTS, SECTION 106.3.1

ALL WORK TO COMPLY WITH THE 2018 IECC AND ALL GOODYEAR ADOPTED CODES AND AMENDMENTS, SECTION 106.3.1

CALL FOR INSPECTION OF ALL MECHANICAL SYSTEMS PRIOR TO BACKFILL AND CONCEALMENT, 2018 IMC 107.2

HVAC EQUIPMENT TO MEET IECC REQUIREMENTS. PROVIDE HVAC SUBMITTAL TO ARCHITECT OR ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDER OF EQUIPMENT, IMC 106.3.1

OVERHEAD PIPING

INSTALL AS HIGH AS POSSIBLE BETWEEN JOISTS

KEYED NOTES

- ROOF TOP PACKAGE A/C UNIT WITH ELECTRIC HEAT. FULL SIZE SUPPLY TO SUPPLY PLENUM BOX WITH (4) 30 X 18 SUPPLY GRILLES @ 18" AFF (56"). FULL SIZE RETURN DROP TO ROOF TO BOTTOM OF ROOF FRAMING - OPEN NO GRILLE. 3/4" TYPE "M" HARD COPPER CONDENSATE DRAIN WITH TRAP & VENT. ADJUST OSA PER VENTILATION SCHEDULE SHEET M5.0
- 36" X 54" "STORM" LOUVER IN EXTERIOR WALL BOTTOM OF LOUVER @ 24" AFF. FOR EFI MAKE-UP AIR. POTTORFF REDD-445. LOUVER SIZING PROVIDES FOR 6000 CFM @ 0.13" WG. VERIFY EXACT LOCATION WITH STRUCTURAL ENGINEER PRIOR TO ANY OTHER WORK
- CONDENSATE DRAIN BELOW ROOF. SIZE AS SHOWN - SLOPE @ 1/8" PER FOOT MIN TO MOP SINK WITH AIR GAP
- ROOF MOUNTED UP-BLAST EXHAUST FAN. MOUNT MIN 10' FROM FRESH AIR INTAKES AND 6'0" FROM EXTERIOR OF BLDG. FAN TO BE THERMOSTATICALLY CONTROLLED. SET THERMOSTAT TO 110°F. FAN TO OPERATE FOR AN ADJUSTABLE MINIMUM RUN TIME IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS TO LIMIT CYCLING OF MOTOR. DROP 36 X 36 EXHAUST DOWN TO BOTTOM OF JOISTS - OPEN DUCT WITH SCREEN (NO GRILLE)
- WALL MOUNTED ELECTRIC HEATER. VERIFY EXACT LOCATION WITH FIRE PUMP EQUIPMENT. HEATER TO BE THERMOSTATICALLY CONTROLLED TO MAINTAIN MIN. OF 40° F.

LEGEND

CONDENSATE DRAIN BELOW ROOF - SLOPE @ 1/8" PER FOOT MIN

MATERIALS

CONDENSATE DRAINS: TYPE "M" HARD COPPER

MECHANICAL PLAN

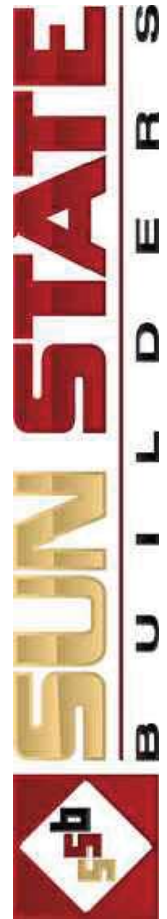
SCALE: 1/16" = 1'-0"



DUCT SMOKE DETECTORS

DUCT SMOKE DETECTORS NOT REQUIRED PER 2018 IMC 606.2 EXCEPTION. SMOKE DETECTORS SHALL NOT BE REQUIRED WHERE AIR DISTRIBUTION SYSTEMS ARE INCAPABLE OF SPREADING SMOKE BEYOND THE ENCLOSING WALLS, FLOORS AND CEILINGS OF THE ROOM OR SPACE IN WHICH THE SMOKE IS GENERATED.

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VIP PRODUCTS
GOODYEAR, ARIZONA
MECHANICAL PLAN

REVISIONS
CITY CORRECTION
COORDINATION
14MAY21

40012.010
25MAR21

M1.0

