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SLIDELL
MEMORIAL
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NEW
MECHANICAL
& PLUMBING
PLANS

REV: 7-2-10
SCALE: AS NOTED
JOB#: 2063
DATE: 06-02-10
SHEET 5

M-1

OF 11

MECHANICAL PLAN NOTES

- ① EXTEND SARA DUCTS DOWN BELOW CEILING BAR JOIST/CEILING TILES AS APPLICABLE. REFER TO HP DETAIL.
- ② REMOVE/RELOCATE ANY DUCT, PIPE, HANGERS, EQUIPMENT, ETC. TO ACCOMMODATE INSTALLATION OF NEW SARA RISERS, AS APPLICABLE.

MECHANICAL SYSTEM COMPONENT DESCRIPTION

1. APS1 IS A ROOF AIR PURIFICATION SYSTEM CAPABLE OF PROVIDING UP TO 2400 CFM OF ULTRA-PURE AIR INTO THE CSP AREA. THE UNIT HAS A PREFILTER AND 99.99% HEPA TO PROVIDE ULTRA-PURE AIR TO THE CSP AREA. THIS IS A RECIRCULATING UNIT WITH A FRESH AIR INTAKE AT HP1.
2. HEATING AND COOLING WILL BE SUPPLIED BY HP1 WHICH WILL BE INSTALLED UPSTREAM FROM BLOWER (APS1).
3. TEMPERATURE IN THE CSP AREA SHOULD BE BETWEEN 66 AND 70 DEGREES FAHRENHEIT WITH THE HUMIDITY BETWEEN 30-50%.
4. THE LAWF UNIT #1 IS AN ISO 5 CSP WORKSTATION UTILIZING A HORIZONTAL LAMINAR AIRFLOW SYSTEM SUPPLIED BY SLIDELL MEMORIAL HOSPITAL.
5. HOOD UNIT #1 IS AN ISO 5 NEGATIVE PRESSURE WORKSTATION THAT EXHAUSTS AIR TO THE OUTSIDE VIA A DEDICATED DUCT (OE1) TO THE ROOF. THE HOOD WILL PROVIDE A NEGATIVE PRESSURE IN BUFFER ZONE 2 WITH APS1 PROVIDING ULTRA-PURE AIR. HOOD WILL BE SUPPLIED BY SLIDELL MEMORIAL HOSPITAL.
6. THERE ARE FIVE(5) LAMINAR AIRFLOW 304 SS DIFFUSER PLENUMS (LTD 1-5) PROVIDING SUPPLY AIR FROM THE ROOFTOP APS1 UNIT. PLENUMS TO BE SUPPLIED BY MEDICAL AIR SOLUTIONS.
7. THERE ARE FOUR(4) 304 SS RETURN GRILLES (E1-4). RETURN AIR WILL BE RETURNED TO THE ASP1 UNIT. GRILLES TO BE SUPPLIED BY M.A.S. AND INSTALLED BY GENERAL CONTRACTOR.
8. THE ROOM PRESSURE MONITORS (RP1, RP2, & RP3) AND THE APS CONTROL PANEL (APSC) ARE TO BE LOCATED IN THE GENERAL AREA AS DEPICTED ON THIS DRAWING.
9. THE FOLLOWING MATERIALS SHALL BE FURNISHED BY SLIDELL MEMORIAL HOSPITAL AND INSTALLED BY THE GENERAL CONTRACTOR:
 - . AIR PURIFICATION SYSTEM (APS--1)
 - . SUPPLY AND RETURN AIR GRILLES
 - . NEW WALL AND CEILING SYSTEMS
 - . ROOM PRESSURE MONITORS (RP)
 - . ULTRA-VIOLET LIGHTING (UVS)
 - . PASS-THRU MODULES
 - . PARTICLE COUNTER
 - . AIR SAMPLER
10. THE PURIFICATION MATERIALS SHALL BE PROVIDED BY SLIDELL MEMORIAL HOSPITAL:
 - . HOOD UNIT #1 (WO INTEGRAL FAN - EXHAUST PROVIDED BY EF-1)
 - . LAWF UNIT #2

PLUMBING NOTES

1. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, HANGERS, VALVES, AND SUPPORTS WITHOUT ANY RESTRICTIONS, CUT AND PATCH AS REQUIRED TO INSTALL PIPES. HANDS-FREE SINK SHALL BE A SINGLE BOWL SINK WITH FOOT PEDAL ATTACHMENTS. MEDEX SUPPLY C15-501, I.V. DISPOSAL SINK SHALL BE SIMILAR TO THE HANDS FREE SINK, BUT, WITHOUT HANDSHRE ATTACHMENTS. BOTH SINKS AND ATTACHMENTS SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.
2. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL, CITY, PARISH, STATE AND NATIONAL GOVERNING CODES.
3. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK.
4. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
5. TEST ALL PIPING AT REQUIRED PRESSURE.
6. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
7. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY. ALL LOCATIONS SHALL BE FIELD VERIFIED.
8. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
9. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L, HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22, THE JOINTS SHALL BE SOLDERED TYPING USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
10. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
11. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
12. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM E814.)
13. ALL PLUMBING LINES SHOWN ARE DIAGRAMATIC.
14. CAP AND SEAL ANY EXISTING FLOOR DRAINS AND ANY ROOF PENETRATIONS SERVING THE CONTRACT AREA PER APPLICABLE CODES.

