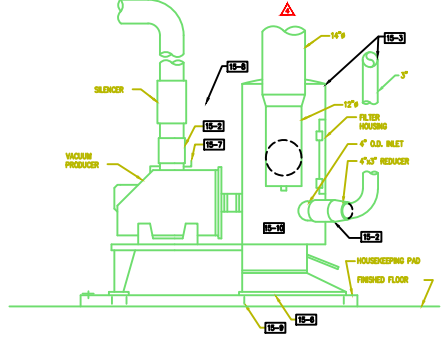


TYPICAL VACUUM PRODUCER PLAN VIEW
NTS

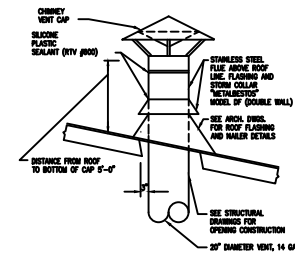


SECTION
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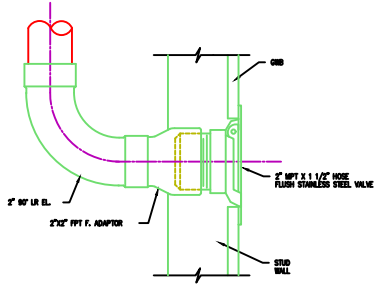
VACUUM PRODUCER SCHEDULE						
NO.	QTY	DESCRIPTION	MANUFACTURER	SIZE	REMARKS	
VP-1	175	6.9	7.5	480	3	80 SPENCER SA-807A

VACUUM PRODUCER SHALL INCLUDE COMBINATION MOTOR STARTER WITH CIRCUIT BREAKER, CONTROL PANEL TRANSFORMER, 110-240 SELECTOR SWITCH WITH PLEAT LAMPS, DISCHARGE BLENDER, AUTOMATIC FILTER BAG SHOWER AND SHOOTING VALVE.

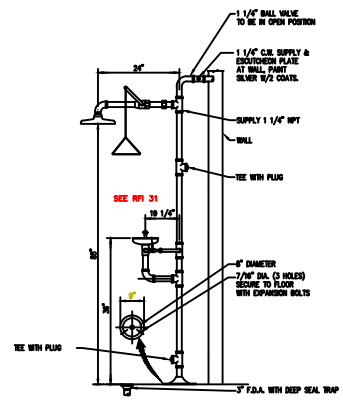
- KEY NOTES:
- 12-1 DISCHARGE BLENDER
 - 12-2 FLEXIBLE PIPE COUPLING 1/2" STAINLESS STEEL DRUMMINGS
 - 12-3 PROVIDE SEISMIC ZONE 4 PIPING AND EQUIPMENT SUPPORTS PER UNIFORM BUILDING CODE.
 - 12-4 PROVIDE 2" NOT DIPPED GALVANIZED PIPE SUPPORT AND BOLT TO SLAB.
 - 12-5 RUN 4" DISCHARGE THRU EXTERIOR WALL & WEATHER PROOF WALL PENETRATION
 - 12-6 BASE WITH COMMON FRAME WITH MOUNTING PADS
 - 12-7 DISCHARGE SHOOTING VALVE
 - 12-8 SYSTEM OPERATED BY ON/OFF SWITCH LOCATED IN PAYLOAD CONTROL ROOM SEE DRAWING PP-2 FOR EXACT LOCATION.
 - 12-9 MOUNT VACUUM UNIT TO EXTERIOR WALL AND HOUSEKEEPING PAD TO FLOOR SLAB (SEISMIC ZONE 4 PER UNIFORM BUILDING CODE)
 - 12-10 PROVIDE ONE SET OF HOSE AND TOOLS AS FOLLOWS:
 1. TWO 25'-0" 3/4" SIZED PROOF HOSE SPENCER HSD-8000
 2. TWO 12" ALUMINUM SHREVE FLOOR TOOL SPENCER VL-5000L
 3. TWO 8" ALUMINUM FLOOR SHREVE SPENCER VL-4000
 4. TWO 8" ALUMINUM HAND BRUSH SPENCER VL-4000
 5. TWO ALUMINUM CORNER AND CORNER TOOL SPENCER VL-4000L
 - 12-11 EXPLOSION RELIEF PORT NEST, 18" DIA. MINIMUM, 14 GAUGE NEST THRU ROOF. SEE DETAIL ON THIS SHEET. EXPLOSION RELIEF PORT IS LOCATED BY FACTORY ON SIDE OF UNIT. SEE ALSO RPI 01



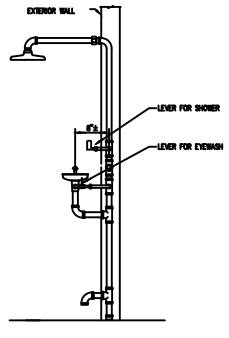
TYPICAL VACUUM RELIEF PORT VENT DETAIL
NTS SEE RPI 01



TYPICAL VACUUM INLET VALVE DETAIL
NTS



TYPICAL INTERIOR EMERGENCY SHOWER EYE/FACE WASH DETAIL
NTS SEE RPI 02, PG 10 FOR EXTERIOR INSULATION



EXTERIOR SHOWER DETAIL
NTS

BRPH ARCHITECTS * ENGINEERS, INC.
MELBOURNE / TALLAHASSEE, FLORIDA
KODIAK LAUNCH COMPLEX
NARROW CAPE, KODIAK ISLAND, ALASKA
PAYLOAD PROCESSING FACILITY
VACUUM AND PLUMBING DETAILS

ALASKA AEROSPACE DEVELOPMENT CORPORATION
3-01-97
PP-3