SECTION 01230 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

2. Prices shall be complete with all overhead, profit, equipment costs, labor, insurance, etc. so that if Owner exercises his option to delete or add scope of work, the resultant “Add” or “Deduct” price will be all-inclusive.

1.4 PROCEDURES

A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.

C. Execute accepted alternates under the same conditions as other work of the Contract.

D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: Add aluminum curtain wall and granite base as indicated on Drawing A1.01, A1.10 and A6.10.

B. Alternate No. 2: Add granite seats as indicated on Drawings A1.01, A1.10 and A2.01.

C. Alternate No. 3: Provide linoleum in lieu of vinyl composition tile. See Finish Schedule for locations and manufacturer.

D. Alternate No. 4: Add Axiom-Vector perimeter trim as manufactured by Armstrong Commercial Ceilings in areas indicated on the Drawings.

E. Alternate No. 5: Add back-lit ceiling panels in the Imaging Rooms as indicated on the Drawings.

F. Alternate H-1: UVC Emitters at Air Handling Units
1. Provide an alternate price for the installation high output UVC (ultra-violet C-Band) emitters within the custom air handling units. The UVC emitters shall be installed in accordance with the emitter manufacturer's recommendation for spacing at the cooling coils to control mold and bacteria growth on coils and in AHU drain pans. UVC tubes shall have a UV output of 158 UW at 1 meter, 68^{o} F and 400 fpm air velocity; 122 UW at 1 meter, 45^{o} F and 400 fpm; and 11.1 UW per inch arc length at 45^{o} F and 400 fpm. Average tube life shall be rated at 7,500 hours. UVC emitters shall be similar to units manufactured by STERIL-AIRE Inc., Cerritos, California, Model DE Series. Pricing shall be provided to install UVC emitters within the following AHU units: AHU-1 & AHU-2. Pricing shall include associated electrical costs for adding one (1) 20A, 120 volt dedicated emergency circuit and local disconnect device for each AHU.

G. Alternate H-2: StrionAir Filters @ AHU's
1. Provide pricing, replace the traditional Media pre-filters (4", MERV 8) and intermediate filters (12", MERV 13) with StrionAir germicidal, high efficiency, low pressure drop, GC filter assembly. The StrionAir GC filter assembly shall include 4" deep MERV 7 (30%) pre-filter followed by an ionization grid assembly. The GC shall meet the required efficiency for GHELoP – Glass Technologies of 85% for 0.3 micron particles. Initial clean filter pressure drop shall be less than 0.5" wg at 500 fpm face velocity. The GC

filter assembly shall be powered by a 120V single phase circuit. Pricing shall be provided to install UVC emitters within the following AHU units: AHU-1 & AHU-2. Alternate pricing shall be all-inclusive, including electrical power circuit and associated wiring.

END OF SECTION 01230