

SPECIFICATIONS

1. THE ENTIRE INSTALLATION SHALL COMPLY WITH ALL OWNER'S BUILDING MANAGEMENT AND ARCHITECT'S REQUIREMENTS AND WITH ALL NATIONAL AND LOCAL CODES HAVING JURISDICTION.

BUILDING'S STANDARDS AND REQUIREMENTS SHALL BE PART OF THIS SPECIFICATIONS AND SHALL BE OBTAINED FROM THE BUILDING MANAGEMENT.

THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REMOVAL, REPLACEMENT, AND RECTIFICATION OF ALL DAMAGED AND DEFECTIVE MATERIAL AND WORKMANSHIP IN CONNECTION WITH THE CONTRACT WORK. HE SHALL REPLACE OR REPAIR AS DIRECTED BY HERITAGE ARCHITECTURE ALL SUCH DAMAGED OR DEFECTIVE MATERIALS WHICH SHALL APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.

THE GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LEGALLY REQUIRED APPROVALS AND PERMITS NECESSARY FOR THE EXECUTION AND COMPLETION OF ITS RESPECTIVE WORK. FORWARD COPIES TO HERITAGE ARCHITECTURE AND OWNER.

2. EACH BIDDING CONTRACTOR SHALL VISIT THE EXISTING WORK AREA DURING THE BIDDING PERIOD AND EXAMINE THOROUGHLY AND CAREFULLY ALL EXISTING ARCHITECTURAL, STRUCTURAL, MECHANICAL, AUTOMATIC CONTROLS, AND ELECTRICAL CONTROLS, SO THAT HE MAY BECOME COMPLETELY FAMILIAR WITH ALL DETAILS OF THE WORK AS INSTALLED, AS SHOWN ON THE DRAWINGS AND AS CALLED FOR IN THESE NOTES. ANY QUESTIONS, CONCERNS OR SUGGESTIONS SHALL BE SENT TO ARCHITECT AND ENGINEER IN WRITTEN FORM WITH A DATE AND SIGNATURE. RESPONSE SHALL ALSO BE IN WRITTEN FORM AND ARCHIVED BY ALL PARTIES. VERBAL QUESTIONS/RESPONSES WILL NOT BE DEEMED OFFICIAL FOR CONTRACT PURPOSES

3. SHOULD ANY CONFLICT OCCUR IN OR BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS CONTRACTOR SHALL BE DEEMED TO HAVE ESTIMATED ON THE MORE EXPENSIVE WAY OF DOING THE WORK, UNLESS HE SHALL HAVE ASKED FOR, AND OBTAINED A DECISION IN WRITING FROM THE OWNER, BEFORE THE SUBMISSION OF HIS BID, AS TO WHAT SHALL GOVERN.

4. THE CONTRACTOR SHALL PERFORM THIS WORK NEAR OCCUPIED AREAS. ALL EQUIPMENT SHALL BE COVERED DURING CONSTRUCTION. THE CONTRACTOR HAS THE TOTAL RESPONSIBILITY TO KEEP THE AREA CLEAN. THE CONTRACTOR SHALL COMPENSATE THE OWNER FOR DAMAGES DONE TO THE EQUIPMENT OR TO THE PROPERTY OF ITS PERSONNEL. SAFETY OF ALL CONTRACTOR'S EMPLOYEE AND THE OWNER'S PERSONNEL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

5. THE CONTRACTOR AND SUBCONTRACTOR, IF ANY, COVENANTS AND AGREES: TO INDEMNIFY, DEFEND AND HOLD HARMLESS THE ARCHITECT, OWNER AND CONSULTING ENGINEERS FROM AND AGAINST ANY LIABILITY, LOSS, DAMAGE OR EXPENSE, INCLUDING ATTORNEY'S FEES, ARISING FROM A FAILURE OR ALLEGED FAILURE ON HIS PART PROPERLY TO DISCHARGE THE OBLIGATIONS ASSUMED BY HIM OR THEM IN THE PERFORMANCE OF THE WORK, INCLUDING ANY ACT, ERROR OR OMISSION ALLEGEDLY RESULTING IN DEATH OR PERSONAL INJURY OR DAMAGE OR IMPROPER CONSTRUCTION, CONSTRUCTION TECHNIQUES, OR THE USE OF IMPROPER OR INAPPROPRIATE MATERIALS OR TOOLS.

6. SEQUENCE OF INSTALLATION:

A. DUE TO THE TYPE OF THE INSTALLATION, A PLANNED SEQUENCE OF OPERATION IS REQUIRED TO PROPERLY INSTALL THE COMPLETE SYSTEM WITH NO INTERRUPTION OF SERVICES TO THE OWNER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP THE SEQUENCE OF WORK AND SCHEDULE PROJECT AND COORDINATE WITH OTHER TRADES IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE THAT SHALL SUBMIT TO THE OWNER PRIOR TO THE START OF THE WORK.

B. PLAN INSTALLATION OF NEW WORK AND CONNECTION TO EXISTING WORK TO INSURE MINIMUM INTERFERENCE WITH REGULAR OPERATION OF EXISTING SYSTEMS. ALL SYSTEMS SHUTDOWN AFFECTING OTHER AREAS, SHALL BE COORDINATED WITH THE BUILDING OWNER.

C. THE AREAS FOR WHICH THIS WORK IS INTENDED, ARE UNDER NORMAL OPERATION. SYSTEMS CANNOT BE SHUT DOWN TO FACILITATE THE WORK OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE TIME OF WORK SCHEDULE WITH OWNER, DURING THE BIDDING PERIOD, TO MINIMIZE DISTURBANCE TO THE OWNER'S OPERATION.

D. THE GENERAL CONTRACTOR SHALL SUBMIT ALL FABRICATION SHOP DRAWINGS AND CATALOG CUTS TO HERITAGE ARCHITECTURE FOR APPROVAL. ALL SHOP DRAWINGS AND CUTS SIGNED "APPROVE" SHALL SUPERSEDE ORIGINATING DRAWINGS IN DESIGN APPEARANCE ONLY. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS IN THEIR SHOP DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED IN WRITTEN FORM AS RFI WITH DATE AND SIGNATURE. RESPONSE SHALL BE EXPECTED IN WRITTEN FORM.

7. ALL DUCTS AND PIPES ARE SHOWN DIAGRAMMATICALLY AND SCHEMATICALLY AND DO NOT SHOW ALL DROPPING AND RISING OF RUNS. CONTRACTOR SHALL ALLOW IN PRICE FOR DROPPING AND RISING OF DUCTS AND PIPES TO AVOID OBSTRUCTIONS.

8. SUPPORT ALL DUCTS AND PIPES FROM BUILDING STRUCTURES IN AN APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF SUPPORTS, FURNISH ADDITIONAL FRAMING.

9. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY WORK AND EQUIPMENT USE PERMITS, PAY ALL FEES, PERFORM CONTROLLED INSPECTION AND SHALL SIGN-OFF THE PROJECT.

10. SHEET METAL DUCTWORK:

A. ALL DUCTWORK, EXCEPT WHERE OTHERWISE SPECIFIED, SHALL BE MADE OF BEST BLOOM GALVANIZED IRON OF THE FOLLOWING US. STANDARD GAUGES:

- UP TO 30 IN. MAX. DIMENSION NO. 24
- 31 IN. TO 54 IN. NO. 22
- 55 IN. TO 84 IN. NO. 20
- 85 IN. AND OVER NO. 18

B. CONSTRUCTION OF DUCTS SHALL CONFORM WITH REQUIREMENTS OF TABLE 4, PAGE 1.3 OF THE 1975 GUIDE AND DATA BOOK ON EQUIPMENT, PUBLISHED BY ASHRAE.

C. VOLUME DAMPERS SHALL BE GALVANIZED STEEL, SHAKNA "LOW VELOCITY MANUAL" EXCEPT PROVIDE BEARING AT ONE END OF DAMPER ROD QUADRANT WITH LEVER AND LOCKSCREW AT OTHER END. FOR INSULATED DUCTS, QUADRANTS MOUNTED ON COLLAR TO CLEAN INSULATION. INSTALL LEVER ACCESSIBLE. SPLITTER TYPE DAMPERS SHALL NOT BE USED.

D. FLEXIBLE CONNECTIONS SHALL BE NEOPRENE-COATED GLASS FABRIC 30 OZ. PER SQ. YD. WITH SEWED AND CEMENTED SEAMS SIMILAR TO VENT FABRICS. PROVIDE WITH METAL COLLARS. ALLOW MINIMUM MOVEMENT OF 1".

E. THOROUGHLY SEAL ALL JOINTS IN NEW DUCTS TO PREVENT AIR LEAKAGE. SEALANT MATERIALS TO BE FOSTER 30-02, OR EQUAL, DUCT SEALANT, UL LABELED AND HAVING FLAME SPREAD RATING OF 25 OR LESS, AND SMOKE DEVELOPED RATING OF 50 OR LESS. APPLY SEALER TO EXTERIOR OF JOINTS IN SMALLER AND TO EVERY JOINT INSIDE LARGER DUCTS. APPLY SEALER TO ALL DUCT TERMINATIONS AT REGISTERS, GRILLES, FRAMES, DAMPER FRAMES, COILS, BYPASSES, BLANK-OFF SHEETS, BAFFLES AND FILTER FRAMES. MINIMUM DRY FILM THICKNESS OF SEALER TO 1/8 AT JOINTS AND NEATLY TAPERED TO 1/16 THICK, 1" BEYOND EDGE OF JOINTS.

F. EACH AIR SUPPLY OUTLET SHALL HAVE THE CAPACITY AS NOTED ON THE DRAWINGS AND SHALL BE GUARANTEED TO GIVE THE REQUIRED THROW WITH DRAFTLESS DIFFUSION. WHERE MANUFACTURER'S RECOMMENDATIONS REQUIRE DUCT SIZES DIFFERING FROM THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL PROVIDE SAME AT NO ADDITIONAL COST TO THE OWNER. ALL REGISTERS AND DIFFUSERS SHALL BE PROVIDED WITH DIRECTIONAL AND VOLUME CONTROLS SPECIFIED, AND SHALL BE OF SUCH DIMENSIONS (INCLU- DING THE ACCESSORY EQUIPMENT) AS TO CONFORM TO THE BUILDING SPACE CONDITIONS.

G. ALL DUCT ELBOWS SHALL BE OF THE ROUND LONG RADIUS TYPE SQUARE ELBOWS WITH TURNING VANES SHALL NOT BE USED.

11. INSULATION OF SHEET METAL DUCTWORK:

A. EXCEPT FOR EXPOSED ROUND DUCTS ALL OTHER DUCTS SHALL BE INSULATED WITH 1-1/2 INCH THICK, 3/4 LB. DENSITY FIBER APPLIED FOIL FACED, SCRM REINFORCED, 2 INCH FLANGE. WRAP INSULATION TIGHTLY ON DUCT AND FIRMLY BUTT ALL JOINTS WITH 2 INCH FLANGE OVERLAP ON CIRCUMFERENTIAL JOINTS. ADHERE TO DUCT WITH 2/3 COVERAGE OF BF 65-20 (OR 1-C 225) ADHESIVE APPLIED IN 4 INCH WIDE BANDS, 8 INCHES ON CENTERS. SEAL ALL JOINTS AND SEAMS WITH MINIMUM 3 INCH WIDE FSK TAPE APPLIED WITH SAME ADHESIVE. ADDITIONALLY, SUPPORT INSULATION ON THE BOTTOM SIDE OF RECTANGULAR DUCTS OVER 36 INCHES WIDE WITH A SINGLE ROW OF WELD PINS AND SPEED WASHERS. CLIP OFF PINS FLUSH WITH FACING AND SEAL ALL PIN PUNCTURES AND BREAKS IN VAPOR BARRIER WITH FSK TAPE AND ADHESIVE. MATERIAL: OWENS-CORNING SERIES COMMERCIAL GRADE 100, FRK-25, JOHNS-MANVILLE MICROLITE-FSK, CERTAINTED DUCT WRAP TYPE IV.

12. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED.

13. SUPPORT ALL DUCTS AND PIPES FROM BUILDING STRUCTURES IN A CODE APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF SUPPORTS FOR PIPES, FURNISH ADDITIONAL FRAMING.

14. PIPE HANGERS, SUPPORTS AND ACCESSORIES SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE ASME CODE FOR PRESSURE PIPING ANSI/ASME B31.1-POWER PIPING, FED. SPEC. NO. WW-H-171 AND THESE SPECIFICATIONS.

15. MATERIAL FOR PIPING

A. CONDENSATE PIPES FROM AC UNITS SHALL BE GALVANIZED SCHEDULE 40 STEEL. PIPE FITTINGS SHALL BE SAME AS PIPE MATERIAL.

16. INSULATION

A. FURNISH AND INSTALL INSULATION SYSTEMS FOR PIPING, EQUIPMENT USING AND INSULATION CONTRACTOR APPROVED BY THE INSULATION MANUFACTURER. EXECUTE THE WORK IN ACCORDANCE WITH THE BEST PRACTICE AND WORKMANSHIP OF THE TRADE AND THE REQUIREMENTS OF THIS SECTION OF THE SPECIFICATIONS.

B. INSULATION MATERIALS SHALL BE PRODUCTS OF THE OWENS-CORNING FIBERGLASS CORP., JOHNS-MANVILLE CORP., OR THE CERTAIN TEED

C. INSULATION ADHESIVES, MASTICS, COATING AND ACCESSORY MATERIALS SHALL BE PRODUCTS OF BENJAMIN FOSTER COMPANY (BF), INSUL-COUSTIC DIV., BIRMA PRODUCTS CORP. (I-C) AND AS SPECIFIED IN THIS SECTION.

D. FIRE AND SMOKE HAZARD RATING

AA. ALL THERMAL AND ACOUSTICAL INSULATION JACKETS, FACINGS, MEMBRANE, ADHESIVES, MASTICS, COATINGS AND ACCESSORY MATERIALS SHALL BE LISTED AND LABELED BY THE UNDERWRITERS LABORATORIES, INC. FOR A FIRE HAZARD CLASSIFICATION, AS TESTED UNDER ASTM E-84, NFPA 255 OR UL 723 PROCEDURES NOT TO EXCEED THE FOLLOWING:

FLAME SPREAD	25
FUEL CONTRIBUTED	50
SMOKE DEVELOPED	50

BB. THE RATING FOR INSULATION WITH FACTORY APPLIED JACKETS OR FACINGS SHALL BE ON A COMPOSITE BASIS OF INSULATION, JACKET OR FACING, AND THE ADHESIVE USED TO ADHERE THE JACKET OR FACING TO THE INSULATION.

17. EQUIPMENT

A. SEE SCHEDULE FOR ROOFTOP AC UNITS

B. SEE SCHEDULE FOR TOILET EXHAUST FANS

C. THERMOSTATS SHALL BE HEATING-COOLING 7 DAY 27 HOUR PROGRAMMABLE FULLY ELECTRONIC TYPE. FURNISH AND INSTALL ALL RELATED WIRING

18. AUTOMATIC CONTROLS

A. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRIC MECHANICAL CONTROLS LOW VOLTAGE, LINE VOLTAGE, AND INTER LOCK WIRING, SWITCHES, TRANSFORMERS, STARTERS, SAFETY DISCONNECT AND H-O-A STARTER AND ALL OTHER NECESSARY CONTROL COMPONENTS RELATED TO EXHAUST AND AC SYSTEMS. THE INTENT IS TO HAVE EXHAUST AND AC SYSTEMS IN A COMPLETE, READY-FOR-OPERATION CONDITION.

B. AC UNITS SHALL BE CONTROLLED BY HEATING COOLING TYPE AN ELECTRONIC THERMOSTAT. FURNISH AND INSTALL ALL RELATED WIRING.

C. TOILET EXHAUST FAN SHALL BE CONTROLLED WITH LIGHT SWITCH WITH THREE MINUTE TIME DELAY. FURNISH AND INSTALL ALL RELATED WIRING.

19. SHOP DRAWINGS

A. SUBMIT A SEPIA AND TWO PRINTS OF SHEET METAL AND/OR PIPING SHOP DRAWINGS, CERTIFIED BY ALL TRADES THAT COORDINATION HAS BEEN EST. SUBMIT CERTIFIED EQUIPMENT CUTS WITH CONSTRUCTION WIRING DIAGRAMS AND AUTOMATIC TEMPERATURE CONTROL SHOP DRAWINGS FOR THE FOLLOWING:
 AA. DUCT (3/8" SCALE)
 BB. PIPING LAYOUT AND APPURTENANCES
 CC. CERTIFIED BALANCING REPORT
 DD. DIFFUSERS, REGISTERS, GRILLES
 EE. AUTOMATIC TEMPERATURE CONTROL DIAGRAM
 FF. MISCELLANEOUS EQUIPMENT

20. MAINTENANCE MANUALS

A. SUBMIT FOUR (4) LOOSE-LEAF BOUND OPERATING AND MAINTENANCE MANUALS WITH INDEX AND INDEX TABS TO INDICATE THE FOLLOWING:
 1. OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL SYSTEMS.
 2. MANUFACTURERS CATALOG CUTS ON ALL EQUIPMENT.
 3. AUTOMATIC TEMPERATURE CONTROL SYSTEMS WITH SEQUENCE OF OPERATIONS, CATALOG CUTS OF ALL DEVICES, AND POINT WIRING DIAGRAMS.
 4. CERTIFIED BALANCING REPORT.
 5. REDUCED SCALE DUCT PLAN IN CLEAR PLASTIC ENCLOSURE FOR WALL MOUNTING.

21. AS-BUILT DRAWINGS

A. BEFORE COMMENCING WORK, PROCURE A COMPLETE SET OF LITHOTRACINGS ON MYLAR AS WELL AS BLACK AND WHITE PRINTS OF THE CONTRACT DOCUMENTS.
 B. MAINTAIN RECORD DRAWING PRINTS ON JOBSITE AND RECORD, AT TIME OF OCCURRENCE, DEVIATIONS FROM CONTRACT DOCUMENTS DUE TO FIELD COORDINATION BULLETINS, OR ADDENDA.
 C. REVISE LITHOTRACINGS TO CONFORM TO RECORD DRAWINGS AND SUBMIT AS-BUILT DRAWINGS UPON COMPLETION OF THE PROJECT. INDICATE MAJOR DEVIATIONS IN MER'S BY SPECIFIC REFERENCE TO SHOP DRAWINGS OF THESE ROOMS AND SUBMIT LITHOTRACINGS OF SUCH SHOP DRAWINGS WITH THE AS-BUILT LITHOTRACINGS. FINAL SUBMISSION OF AS-BUILT AND REFERENCE SHOP DRAWINGS TO BE SIGNED AND CERTIFIED AS CORRECT BY INSTALLING CONTRACTOR.

22. TESTING AND BALANCING

A. BALANCE AND ADJUST NEW EXISTING AIR DISTRIBUTION SYSTEM TO QUANTITIES INDICATED ON DRAWINGS IN ACCORDANCE WITH ASSOCIATED AIR BALANCE COUNCIL MANUAL, NATIONAL STANDARDS FOR FIELD MEASUREMENT AND INSTRUMENTATION NO. B1888. FURNISH AND INSTALL ALL NECESSARY PULLEYS AND SHEAVES FOR FANS AND DRIVES IN ORDER TO ACHIEVE THE AIR FLOW RATES SHOWN ON THE DRAWINGS.
 B. AIR TESTING AND BALANCING SHALL BE PERFORMED BY AN INDEPENDENT SUBCONTRACTOR TO THE HVAC CONTRACTOR.
 C. THE OPEN ENDS OF ALL UNFURNISHED SECTIONS OF DUCTWORK, INCLUDING FAN OUTLETS, TAPPINGS FOR AIR OUTLETS, ETC., SHALL BE PROPERLY CAPPED AT ALL TIMES DURING CONSTRUCTION, UNLESS THE PARTICULAR SECTION OF DUCTWORK IS ACTUALLY BEING WORK ON.
 D. THE REQUIREMENT FOR CAPPED DUCT OPENINGS SHALL CONTINUE UNTIL WHITE PLASTERING OR EQUIVALENT FINISHING OPERATIONS IN THE BUILDING ARE COMPLETED.
 E. IF ABOVE REQUIREMENTS HAVE NOT BEEN STRICTLY ENFORCED DURING THE CONSTRUCTION PERIOD, THE HVAC CONTRACTOR WILL BE REQUIRED TO COVER ALL AIR OUTLETS WITH CHEESECLOTH AND BLOW OUT THE DUCT SYSTEM TO THE SATISFACTION OF THE ARCHITECT.
 F. MAKE PITOT TUBE AND MOTOR TESTS AND FURNISH ALSO THE COMPLETE ELECTRICAL READINGS OF THE MOTORS.
 G. DURING THIS TESTING PERIOD, MAKE ALL NECESSARY SETTINGS AND ADJUSTMENTS OF TEMPERATURE REGULATING EQUIPMENTS.
 H. SUBMIT A LIST OF PERSONNEL, OR THE NAMES OF SUBCONTRACTORS, WITH QUALIFICATIONS TO THE CONSULTING ENGINEER FOR APPROVAL BEFORE COMMENCING WITH THE TESTING AND ADJUSTING WORK. HE SHALL ALSO SUBMIT A DETAILED PROCEDURE FOR APPROVAL BEFORE STARTING THE TESTING AND ADJUSTING. UPON COMPLETION OF THE WORK, THIS CONTRACTOR SHALL CERTIFY THAT THE SYSTEMS ARE DELIVERING AIR QUANTITIES SHOWN ON THE CONSULTING ENGINEER'S DESIGN DRAWINGS; SAID CERTIFICATION LETTER, ALONG WITH AN EXTRA SET OF TEST REPORTS, SHALL BE SUBMITTED TO THE ARCHITECT.
 I. AIR BALANCING REPORT SHALL BE STAMPED AND SIGNED BY A LICENSED PROFESSIONAL ENGINEER EMPLOYED BY THE BALANCING COMPANY.

23. RUBBISH REMOVAL

A. THE MECHANICAL CONTRACTOR HAS THE RESPONSIBILITY TO REMOVE ALL DEBRIS FROM THE FLOOR AREA.
 B. ALL REMAINS OF OLD DUCTWORK, PIPES, AND VALVES SHALL BE REMOVED FROM THE BUILDING.
 C. SIDEWALKS AND STREETS ADJOINING THE PROPERTY SHALL BE KEPT BROOM CLEAN AND FREE FROM DEBRIS, RUBBISH, TRASH, AND OBSTRUCTIONS OF ANY KIND CAUSED BY THE WORK OR THIS CONTRACTOR, WHICH WILL AFFECT THE CONDITION AND SAFETY OF STREET, WALKS, UTILITIES, AND PROPERTY.

24. CLAIMS FOR EXTRA WORK

IF THE GENERAL CONTRACTOR CLAIMS THAT ANY REVISION TO THE DRAWINGS INVOLVE EXTRA COST UNDER THIS CONTRACT, HE SHALL GIVE HERITAGE ARCHITECTURE WRITTEN NOTICE THEREOF WITHIN THREE (3) DAYS AFTER RECEIPT OF SUCH INSTRUCTIONS. IN ANY EVENT BEFORE PROCEEDING TO EXECUTE THE WORK AND THE PROCEDURE SHALL THEN BE AS PROVIDED FOR IN THE CHANGES IN THE WORK. NO SUCH CLAIMS SHALL BE VALID UNLESS SO MADE, UNLESS OTHERWISE AGREED, NO PAYMENT ON SUCH BILLS WILL BE MADE UNTIL FINAL SETTLEMENT.

ALL CLAIMS FOR ADDITIONAL WORK WILL BE SUBMITTED IN WRITING FOR APPROVAL OF HERITAGE ARCHITECTURE AND SHOULD INCLUDE A COMPLETE DESCRIPTION OF THE WORK BEING PERFORMED, MATERIALS BEING USED, THE CONSTRUCTION SPACE NUMBER OF THE AREA BEING WORKED IN, AND THE AUTHORIZATION UNDER WHICH THE WORK IS BEING PERFORMED.

25. WARRANTIES, TEST, ETC.

THE GENERAL CONTRACTOR SHALL PROMPTLY TEST ALL EQUIPMENT INSTALLED FOR PROPER OPERATION AND PROVIDE ONE (1) YEAR WARRANTY LETTER STIPULATING THE FOLLOWING:
 - EQUIPMENT TEST RESULTS - ALL EQUIPMENT INSTALLED BY CONTRACTOR.
 - WARRANTY ON PARTS AND LABOR FOR ONE (1) YEAR DURATION FROM INSTALLATION. INCLUDE FROM/TO DATES AS AGREED UPON WITH HERITAGE ARCHITECTURE PROJECT MANAGER/SUPERINTENDANT. EXTENDED WARRANTY DATES BY MANUFACTURER ALSO TO BE SUPPLIED (I.E. A/C COMPRESSOR).
 - IF EQUIPMENT SUPPLIED BY OWNER, OR HERITAGE ARCHITECTURE, CONTRACTOR SHALL PROVIDE WARRANTY LETTER INDICATING ONE (1) YEAR WARRANTY OF WORKMANSHIP.


THE GENERAL CONTRACTOR SHALL ASSIST IN PROCUREMENT OF PERMITS AND BE AVAILABLE FOR LOCAL OFFICIAL INSPECTION(S) OF ALL WORK PERFORMED BY CONTRACTOR. DATES OF INSPECTION AS DICTATED BY LOCAL MUNICIPALITY INSPECTION OFFICIALS.

THE GENERAL CONTRACTOR SHALL EXPEDITE PROMPT RESOLUTION OF ALL PUNCH-LIST ITEMS TO THE SATISFACTION OF OWNER AND HERITAGE ARCHITECTURE PROJECT MANAGER.

CERTIFICATES OF INSURANCE MUST BE RECEIVED BY HERITAGE ARCHITECTURE WITHIN 72 HOURS OF THE GENERAL CONTRACTOR RECEIVING PURCHASE ORDER.

THE GENERAL CONTRACTOR SHALL SUPPLY HERITAGE ARCHITECTURE PROJECT MANAGER WITH TWO (2) COPIES OF CUT-SHEETS, INSTALLATION/OPERATION & SERVICE MANUALS OF ALL EQUIPMENT INSTALLED BY CONTRACTOR.

Rev.	Date	Revision


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