## TECHNICAL SPECIFICATIONS

Please refer to the Drawings for the unique project information; refer to the Technical Specifications for the "standardized" written requirements, ignoring those "material standards" and "construction requirements" that do not apply to the work as indicated by the Drawings.

MATERIAL STANDARDS

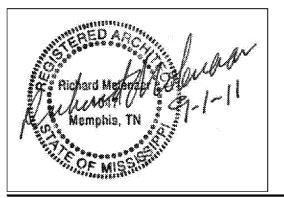
|                | SITE   |  |  |
|----------------|--|--|--|
|                | Site ImprovementsFS-RR-H-1070  |  |  |
|                | a. <u>Roads and Walks:</u><br>Concrete Work (See MS3)<br>Bituminous Work — Asphalt Institute Standards   | 5  |  |
|                | b. <u>Drainage:</u> Drain tile, pipe and culvert————Appropriate Federal Spe  |  |  |
| MS3            | CONCRETE   |  |  |
| ۱.             | Material Chapters of Building Code Requirements for: Reinforced Concrete———————————————————————————————————  |  |  |
| 2.             | Cementitious Materials Portland Cement———————————————————————————————————  |  |  |
|                | Normal Weight  | ASTM C-33<br>ASTM C-330  |  |
| 3.             | Reinforcement Cold-drawn Steel Wire Deformed Billet Steel  |  |  |
| 4.             | Admixtures  Air entraining——————————————————————————————————   | ASTM C-618<br>ASTM C-618   |  |
| 5.             | Ready-mixed Concrete   |  |  |
| ŝ.             | Expansion Joint Materials————————————————————————————————————  |  |  |
| 7.             | Penetration Resistance of Hardened Concrete  |  |  |
| AC A           | MASONRY  |  |  |
| MS4            | 1111 10 0 1 1 1 1 1  |  |  |
| VI34<br>1.     | Code & Industry Standard   |  |  |
| 1.             | Code & Industry Standard  Brick Masonry: SCPI, Building Code Requirem Brick Masonry.  Concrete Masonry: NCMA Specifications for the Construction of Load Bearing Concrete Masonry  | he Design and  |  |
|                | Code & Industry Standard  Brick Masonry: SCPI, Building Code Requirem Brick Masonry.  Concrete Masonry: NCMA Specifications for the standard of the standard o | he Design and ry ASTM C-150 ASTM C-175 ASTM C-207 ASTM C-5   |  |
| 1.             | Code & Industry Standard  Brick Masonry: SCPI, Building Code Requirem Brick Masonry.  Concrete Masonry: NCMA Specifications for the Construction of Load Bearing Concrete Mason Construction of Load Bearing Concrete Mason Portland Cement———————————————————————————————————   | he Design and ry ASTM C-150ASTM C-175ASTM C-207ASTM C-5ASTM C-91ASTM C-91ASTM C-144 ASTM C-144   |  |
| 1.             | Brick Masonry: SCPI, Building Code Requirem Brick Masonry.  Concrete Masonry: NCMA Specifications for the Construction of Load Bearing Concrete Mason Cementitious Materials  Portland Cement, Air Entraining——————————————————————————————————  | ne Design and ry ASTM C-150ASTM C-175ASTM C-207ASTM C-91ASTM C-91ASTM C-91ASTM C-144 ASTM C-144 ASTM C-476ASTM C-270ASTM C-476ASTM C-476ASTM C-476ASTM C-270ASTM C-32ASTM C-32   |  |
| 1.<br>2.       | Brick Masonry: SCPI, Building Code Requirem Brick Masonry.  Concrete Masonry: NCMA Specifications for the Construction of Load Bearing Concrete Mason Portland Cement———————————————————————————————————   | ne Design and ry ASTM C-150ASTM C-175ASTM C-207ASTM C-91ASTM C-91ASTM C-91ASTM C-144 ASTM C-144 ASTM C-270ASTM C-476ASTM C-270ASTM C-270ASTM C-62ASTM C-32ASTM C-32ASTM C-7ASTM C-652 ASTM C-7ASTM C-129ASTM C-145ASTM C-145ASTM C-145 |  |
| 1.<br>2.<br>3. | Brick Masonry: SCPI, Building Code Requirem Brick Masonry.  Concrete Masonry: NCMA Specifications for the Construction of Load Bearing Concrete Masonry.  Cementitious Materials Portland Cement———————————————————————————————————  | ne Design and ry ASTM C-150ASTM C-175ASTM C-207ASTM C-91ASTM C-91ASTM C-91ASTM C-144 ASTM C-144 ASTM C-270ASTM C-270ASTM C-216ASTM C-32ASTM C-32ASTM C-7ASTM C-652 ASTM C-7ASTM C-129ASTM C-129ASTM C-145ASTM C-145ASTM A-82           |  |
| 1.<br>2.<br>5. | Brick Masonry: SCPI, Building Code Requirem Brick Masonry: NCMA Specifications for the Construction of Load Bearing Concrete Mason Portland Cement, Air Entraining——————————————————————————————————   | ne Design and ry ASTM C-150ASTM C-175ASTM C-207ASTM C-91ASTM C-91ASTM C-91ASTM C-144 ASTM C-144 ASTM C-270ASTM C-270ASTM C-216ASTM C-32ASTM C-32ASTM C-7ASTM C-652 ASTM C-7ASTM C-129ASTM C-129ASTM C-145ASTM C-145ASTM A-82           |  |
| 1.<br>2.       | Brick Masonry: SCPI, Building Code Requirem Brick Masonry.  Concrete Masonry: NCMA Specifications for the Construction of Load Bearing Concrete Masonry.  Cementitious Materials Portland Cement———————————————————————————————————  | ne Design and ry ASTM C-150ASTM C-175ASTM C-207ASTM C-91ASTM C-91ASTM C-91ASTM C-144 ASTM C-144 ASTM C-270ASTM C-270ASTM C-216ASTM C-32ASTM C-32ASTM C-7ASTM C-652 ASTM C-7ASTM C-129ASTM C-129ASTM C-145ASTM C-145ASTM A-82           |  |

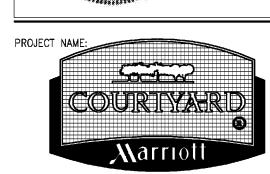
| MS6 | CARPENTRY   |                            |
|-----|---|----------------------------|
|     | Dimension, Board Lumber and Timbers————————————————————————————————————   | PS-20                      |
|     | Structural Glued Laminated Timber   | PS-56                      |
|     | Pressure Treated Lumber and Plywood———————————————————————————————————  | PS-58                      |
|     | Hardboard Siding Treated Millwork   | PS-60<br>NWMA IS 4         |
|     | Fire Retardant Pressure Treatment  Lumber————————————————————————————————————   |                            |
|     | Nails   | FS FF-S-111                |
| MS7 | THERMAL AND MOISTURE PROTECTION   |                            |
| 1.  |   |                            |
| 1.  | Waterproofing and Dampproofing Asphalt Felt, Asphalt-saturated  |                            |
|     | Clay Drain Tile   | ASTM C-4                   |
|     | Perforated Clay Pipe  | ASIM C-700                 |
| 2.  | Vapor Barriers  Under Concrete and as Ground Cover  Polyethylene Plastic Sheets   |                            |
| 3.  | Buoilding Insulation  Duct Insulation————————————————————————————————————   | FS HH-I-558                |
|     | Urethane Board (k=0.17)   | FS HH-I-530                |
|     | Extruded Polystyrene Board (k=0.20) Molded Polystyrene "Beadboard" (k=0.27)   |                            |
|     | Perlite Board Roof Insulation (k=0.36)  | FS HH-I-529<br>FS HH-I-524 |
|     | Perimeter Insulation————————————————————————————————————  | FS HH-1-585, Class 2       |
| 4.  | Sheet Metal AluminumAluminum Sheet Metal in Bldg.   | Construction, AA           |
|     | Galvanized Steel or Iron  | ASTM C-516 or A-52         |
| 5.  | Caulking and Sealants Elastomeric Type  | FS_TT_S_227_or_230         |
|     | Oil and Resin Base Type   | FS TT-S-598                |
|     | Silicone Rubber Base————————————————————————————————————  |                            |
|     | NAAMM Spec. for Non-skinning Bulk Compounds.<br>NAAMM Spec. for Non-skinning Non-resilient Pref   | ormed Compounds.           |
|     | Cellular Neoprene   | ASTM C-516                 |
|     | NAAMM Spec. for Rubber-like Gasket Materials.<br>NAAMM Spec. for Plastic Gasket Materials.  |                            |
| MS8 | DOORS, WINDOWS & GLAZING PANELS   |                            |
|     | Steel Doors and Frames  | SDI 100                    |
|     | Hardwood, Hardboard and Plastic Faced   |                            |
|     | Exterior doors———————————————————————————————————   | wm 3<br>NAAM, AAMA & AA    |
|     | Special Doors  Aluminum Sliding Glass Doors——————   | ANSI A134.2                |
|     | Rolling Fire Doors———————————————————————————————————   | NFPA No. 80                |
|     | Windows and Frames Aluminum Prime Windows————————————————————————————————————   | ANSI A134.1                |
|     | Wood Window Units   |                            |
|     | <u>Hardware</u>   | ——ВН <b>М</b> А            |
|     | Glass |                            |
|     | Tempered Glass Insulationg Glass  |                            |
| MS9 | FINISH MATERIALS  |                            |
| 1.  | Exterior Wall Finishes  |                            |
|     | Hardboard   |                            |
|     | Plywood<br>Stucco   |                            |
|     | Exterior Insulated Finish System Finish and base coat classified by UL.   |                            |
|     | System approved and listed by Factory Mut<br>System approved in report documents by E   | tual.<br>BOCA ICRO SRCCI   |
|     | and HUD.  | JOON, IODO, JDOOI          |
| 2.  | Roof Coverings  |                            |
|     | Fiberglass Shingles (UL Class A)———————————————————————————————————   | ASTM D3018-90 Type I       |
|     | Asphalt Saturated Felt————————————————————————————————————  |                            |
|     | Single Ply EPDM Roofing Sheet——————   |                            |

Metal Roofing-----See Drawings

| 3.   | interior | Wall and Ceiling Finish Acoustic Tile   | -FS-SS-S-118 & AIMA                          |  |  |  |
|------|----------|---|--|--|--|--|
|      |          | Ceramic Wall Tile————————————————————————————————————   | -ASTM C-150, Type 1<br>-ANSI A136.1          |  |  |  |
|      |          | Gypsum Wallboard  |  |  |  |  |
|      |          | Nails————————————————————————————————————   | ASTM C-475<br>-PS-51<br>-NEMA LD-1<br>-PS-59 |  |  |  |
| 4.   | Finish   | Flooring — Rigid Ceramic Tile————————————————————————————————————   | -ANSI A136.1<br>-ANSI A118.1                 |  |  |  |
| 5.   |          | nt Flooring Vinyl Composition Tile, Type IV———————— Vinyl Sheet———————————————————————————————————  | -FS SS-T-312<br>-FS L-F-475                  |  |  |  |
| 6.   | Painting | Paint——Manufacturer's best—grade product and appropriate Federal Specifications.  Spray Texture———Acceptable products are "Aristex, manufactured by The Proko Co., 1910 Wall St., Dallas TX, and "Imperial QT" manufactured by the U.S. Gypsum Co.  Knock—Down Finish——"Plexture" as manufactured by Triarch Industries (800—537—6111). |  |  |  |  |
| 7.   |          | overings<br>Vinyl Wall Covering———————FS CCC—W—408,<br>Class 2, mildew resi   | istant backing                               |  |  |  |
| MS10 | SPEC     | IALTIES   |  |  |  |  |
| 1.   | Toilet A | Accessories:<br>Acceptable manufacturers are Accessories Specialtie<br>American Dispenser Co.; Bobrick Washroom Equip.,<br>Franklin Brass Co.; G.M. Ketchum Co.; Moore Dispel<br>The Charles Parker Co.; Watrus, Inc.; or equal.  | Inc.; Bradley Corp.;                         |  |  |  |
| 2.   |          | e Fire Extinguishers<br>Acceptable manufacturers are J.L. Industries; Larser  | n's Mfg. Co.; or equal.                      |  |  |  |
| 3.   | Flagpol  | es<br>Acceptable manufacturers are Aabec Poles; America<br>Concord; Eder; Metal Arts; Texas Flagpoles; or equa  | 5.   |  |  |  |
| 4.   | Archited | ctural Louvers  Comply with SMACNA "Architectural Sheet Metal Man for fabrication, construction details and installation. equal to Airolite Co. products.   |  |  |  |  |
| 5.   | Special  | ty Signs: Provide under an allowance as indicated.  |  |  |  |  |
| MS11 | EQUIF    | PMENT   |  |  |  |  |
| 1.   | •        | / Chute:<br>Acceptable manufacturers are JDA/Midland, Valient<br>Wilkinson Co.  | Products and                                 |  |  |  |
| 2.   | Major (  | Electric Appliances (Owner supplied)  |  |  |  |  |
| MS12 | FURN     | FURNISHINGS (Owner supplied)  |  |  |  |  |
| MS13 | SPEC     | SPECIAL CONSTRUCTION (reserved)   |  |  |  |  |
| MS14 | ELEV     | ELEVATOR (see CR14)   |  |  |  |  |
|      |          |   |  |  |  |  |

MS15 MECHANICAL 1. <u>General</u>----NFPA 2. <u>Mechanical Ventilation</u> Ventilation----HVI-Air Flow Fan Noise Rating-----HVI-Sound Test Air Duct, Insulation——————————UL—181 Gas-----AGA Listed Electric-----US-573, Radiation Baseboard-----IBR Rated Finned Tube-----IBR Rated Electric-----UL-1042, NEMA Humidifiers-----ARI-610 4. <u>A/C Room Units</u>-----UL-484, AHAM CN-1 Sound Rating-----ARI-270 Heat Pump-----ARI-240, Cast Iron Soil Pipe------ASTM A-74, C-564 CISP11 HS-72, CISPIHSN-72, ANSI A112.5 Cast Iron Water Pipe-----AWWA 106, 108 Copper Drainage Tube-----ANSI H23.6, Copper Water Tube and Pipe K,L,M-----ANSI H23.1, Galvanized Steel Threaded Pipe-----FS WW-P-406 No-hub C.I. Pipe-----CISPI 301 Plumbing Fixtures-General-----FS WW-P-406 Plumbing Fixtures—Enameled Cast Iron——————ANSI A113—19.1 Plumbing Fixtures-Viterous China-----ANSI A112-19.2 Water Heaters Gas-----AGA Listed Electric-----UL-174 Gas Piping----NFPA-54, 58 MA16 ELECTRICAL All electrical work (wiring, lighting, appliance, etc.) per NEC, UL and AHLI





Riverwind Drive Pearl, Mississippi

LATEST REVISION:

PROJECT NO. DRAWN BY: CHECKED BY: SHEET NUMBER: