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Local Authority or Developer:	Project Number:
Project Name:	Architect:
Location:	Date:

for reaching all major decisions as to materials and methods of construction, finish, equipment, for making the estimated project construction cost Responses to the collection of information are required to obtain a benefit The information requested does not lend itself to confidentiality.

Instructions: Describe all materials and equipment to be used. Include no alternates or equivalents. Show extent of work and typical details on drawings. Attach additional sheets if necessary to completely describe the work. The Cost Estimate will recognize quality products and materials in excess of acceptable minimums, when specified. Certain parts of the work cannot be put in their proper classification until more information about their materials and construction is known; therefore describe, under suitable categories below, the following: main service and other stairs, treads, risers, handrails, balusters, etc.; sound insulation of partitions and floors separating apartments and between apartments and public spaces, utility conduits and tunnels, waterproofing and draining, utilities, and related insulation; retaining walls; garages and accessory buildings; and off-site improvements required to serve the project such as roads, curbs, walks, utilities, storm sewers, planting, etc.

1. General Requirements

2. Site Work

Type of Soil	Bearing Capacity
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Material and thickness of fill and base course.

Demolition: Construction of structures to be demolished and materials to be reused.

Storm Drainage: Culverts, pipes, manholes, catch basins, downspout connection (dry well, splash blocks, storm sewer).

Site Preparation: Tree protection, surgery, wells, walls, topsoil stripping, clearing, grubbing, and rough grading.

Curbs and Gutters: Type and material.

Pavement: Material and thickness of base and wearing surface for drives, parking areas, streets, alleys, courts, walks, drying yards and play areas. Steps, handrails, checkwalls.

Equipment for Special Areas and Enclosures: Play equipment, benches, fences.

Finish Grading: Approximate existing depth and method of improving topsoil. Extent of finish grading.

Lawns and Planting: Type, size, quantity and location of lawn seeded or sodded; ground cover and hedge material, trees, shrubs, etc.

Note: This Outline is based on the "Uniform System" for Construction Specifications, Data Filing, and Cost Accounting developed by AIA, CSI, and AGC.

3. Concrete

Concrete strength for exterior walls below and above grade, interior walls and partitions, piers, footings, columns and girders. Size, thickness and location on drawings. Note portions having reinforcing steel on drawings. Location, size and material of footing drains and outlets.

Structural system of concrete floors at basement, other floors and roof. Thickness of slabs and strength of concrete. Attached exterior concrete steps and porches. If more than one type of construction is used, list separately and state locations.

Slab Perimeter Insulation:

4. Masonry

Material and thickness of exterior walls above and below grade, interior walls and partitions, fire walls, stair, hall and elevator enclosures, chimneys, incinerators, veneer, sills, copings, etc.

5. Metals

Miscellaneous Iron

Material

Size

Access Doors

Area Gratings

Lintels

Fire Escapes

Foundation Vents

Structural Steel: (Framing or structural system used.)

6. Carpentry

Size, spacing, and grade of lumber to be used for floor, roof, exterior walls above grade and interior partition framing, subfloor, sheathing, underlayment and exterior finish materials (wood siding, shingles, asbestos siding, etc.).

Grade and species for interior and exterior finish woodwork.

7. Moisture Protection

Materials and method of waterproofing walls and slabs below grade, location, thickness or number of plies. Type of permanent protection of waterproofing (parging) if used. Method of dampproofing above grade. Flashing materials if other than sheet metal. Spandrel waterproofing.

Thermal Insulation	Thickness	R-value & Type of Material	Method of Installation
Exterior Walls			
Ceiling Below Roof			
Roof			
Other			

Roofing: Roof covering materials and method of application, weight of shingles, numbers of felt plies, bitumen, etc.

Sheet Metal: Material and weight or gauge for flashings, copings, gutters and downspouts, roof ventilators, scuppers, etc.

Caulking: (Materials and Locations)

8. Doors, Windows and Glass

Windows and Frames: Type and Material. Special construction features or protective treatment.

Glazing: Thickness, strength and grade of glass and method of glazing.

Metal Curtain Walls:

Doors and Frames:

Exterior: Thickness, material and type at all locations.

Interior: Thickness, material and type for public halls and stairs, apartments (entrance and interior), boiler rooms, fire doors and doors at other locations.

Finish Hardware: Material and finish of exterior and interior locksets, sliding and folding door hardware, window and cabinet hardware, door closers, door knockers, numbers, etc.

8. Doors, Windows and Glass (Cont.)

Weatherstripping	Material	Type
Windows		
Exterior Doors		
Thresholds		
Screens: Mesh Frames		

9. Finishes

Grade, material, and thickness of all finishes.

Painting:

Exterior	Type	Number of Coats	Interior	Type	Number of Coats
Wood			Wood		
Metal			Metal		
Masonry			Walls & Ceilings		
			Kitchen & Bath		

Tile & Ceramic Bathroom Accessories:

Floor and Wall Covering: Location	Material (Thickness, grade, finish and wainscot height)	
	Floors	Walls
a.		
b.		
c.		
d.		
e.		
Bathroom Accessories	Material	Quantity
Attached		
Recessed		

Resilient Flooring: Location, type and gauge, for all materials.

10. Specialties: (List Significant Items)

Interior partitions other than concrete, masonry or wood.

Medicine Cabinets: Material, size and type.

Mail Boxes, Package Receivers

Packaged Incinerators

11. Equipment

Refrigerators: Capacity and type for each size of living unit.

11. Equipment (Cont.)

Kitchen Ranges: Size and type for each size of living unit

	Material	Finish
Kitchen Cabinets: (Detail on drawings)		
Wall Units		
Base Units		

Counter Top and Backsplash Material

Other cabinerts and built-in storage units

Equipment: Garbage disposal units, dishwashers, clothes washers and dryers

12. Furnishings Shades: Types of shades , draperies or other devices for privacy and control of natural light.

13. Special Construction:
(incinerator-Job Construction)

14. Conveying Systems

Elevators: Attach letter from manufacturer whose elevator installation is proposed, containing a brief comprehensive specification for the complete elevator installation, and the manufacturer's statement that the number of elevators proposed and the installation described will provide adequate service, and that manufacturer maintains an effective service organization in the project locality.

**15. Mechanical: Plumbing
and Hot Water Supply:**

Fixtures: (Material, size, fittings, trim and color)

Sink

Lavoratory

Water Closet

Bathtub

Shower Over Tub

Stall Shower

Laundry Trays

Other

15. Mechanical (Cont.)

Piping: (Material)

Soil Lines	Gas Lines
Waste Lines	Standpipes
Vents	Interior Downspouts

Water

Valve Shutoff for Servicing

Domestic Water Heating

Direct fired (Type, capacity and recovery rate.)

Indirect fired (Separate boiler or combined with space heating boiler. Storage and recovery capacity.)

Solar Energy:

Application	System
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Subsystem

System Capacity

Insulation: Type and thickness of insulation on water lines and water heating equipment.

Heating

Kind of System: Hot water, steam, forced warm air, gravity warm air, etc.

Fuel Used:	Calculated Load:
Heating Load	Domestic Hot Water Load Total

Equipment: (Make & Model)

Input (per hr.): Coal (lbs.)	Oil (gals.)	Gas (BTUH)
Output (BTUH)		

Distribution System:

Insulation: Type and thickness of insulation on heating equipment and distribution system.

Room Heating Units: Baseboard units, radiators, convectors, registers, etc.

Solar Energy:	System
Application	
Subsystem	
System Capacity	

15. Mechanical (Cont.)

Space Heaters: Type, make, model, location and output of heating systems such as wall heaters, floor furnaces and unit heaters.

Temperature Controls: Individual unit, zone, central, etc.

Ventilation: Location, capacity and purpose of ventilating fans.

Air Conditioning

Unitary Equipment (Self Contained or packaged units.)

Calculated Load:

Equipment: Make, model, operating voltage and capacity in BTUH for each size serving individual rooms, apartment units, or zone.

Central System:

Calculated Load:

Equipment (Make, model capacity, etc., of compressor, cooling tower, water chillers, air handling equipment, and other components which make up the complete system.)

Utilities On-Site: Material for distribution system for all piped utilities.

Water Supply: Fire hydrants, yard hydrants, lawn sprinkler systems, exterior drinking fountains.

Gas:

Sanitary Sewerage: Treatment plants, pumping stations, manholes.

16. Electrical

Electrical Wiring: Type of wiring and load centers, number of circuits per unit, individual unit metering or project metering, spare conduit for future load requirements, radio or TV antenna systems. Show receptacles, light outlets, switches, power outlets, telephone outlets, door bells, fire alarm systems, etc., on drawings.

Electric Fixtures: Type for various locations.

16. Electrical (Cont.)

Electric light standards for lighting grounds, streets, courts, etc. Underground or overhead service.

All items of construction, equipment and finish, together with all incidentals, which are essential to the completion of the project will be provided whether or not specifically included in the exhibits and will be of a type, quality and capacity acceptable to HUD and appropriate to the character of the project.

Signed (Local Authority or Developer)

By (Architect)
