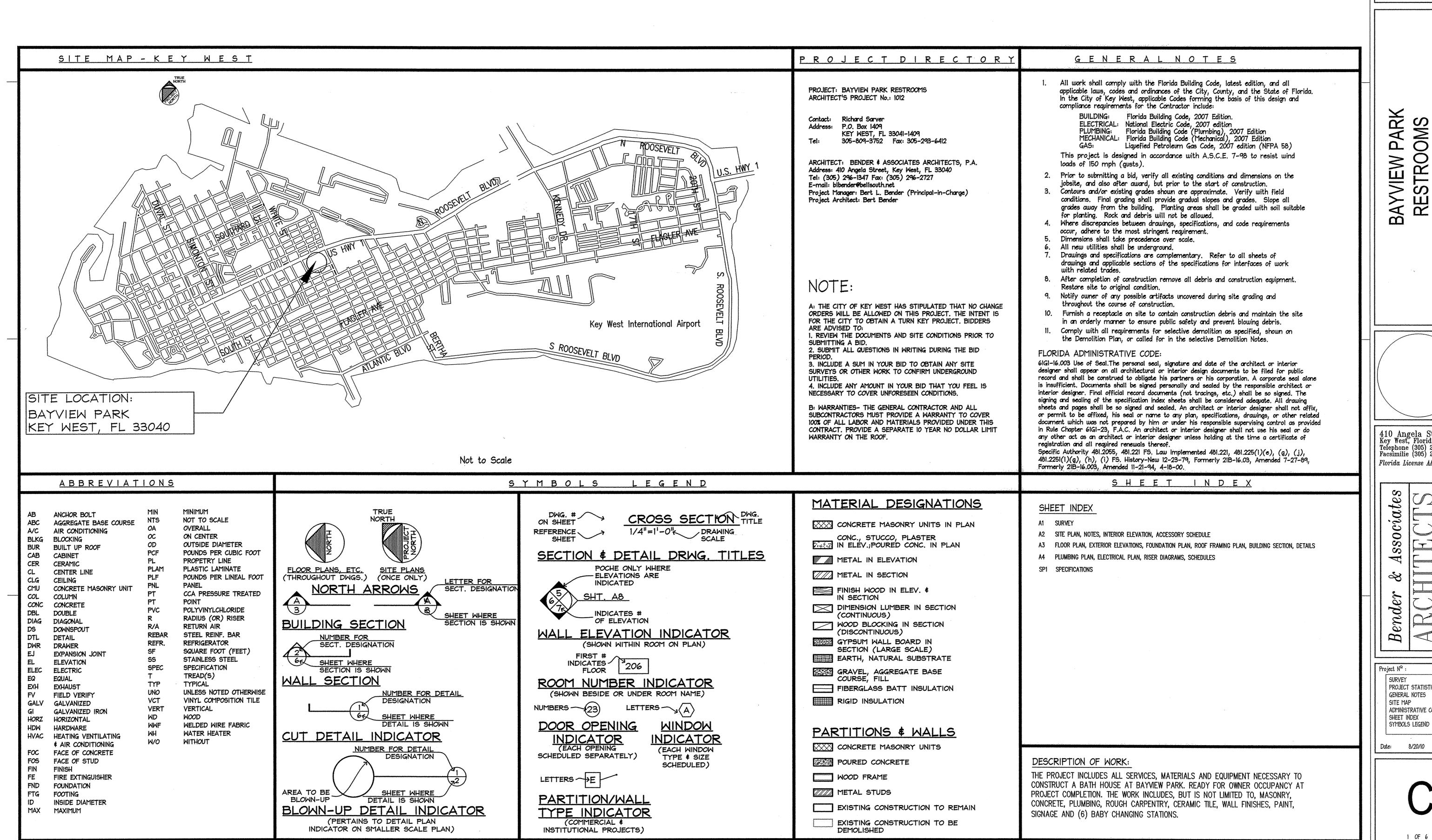
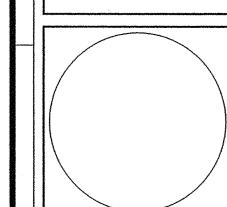
# BAYVIEW PARK RESTROOMS

Key West Florida 33040

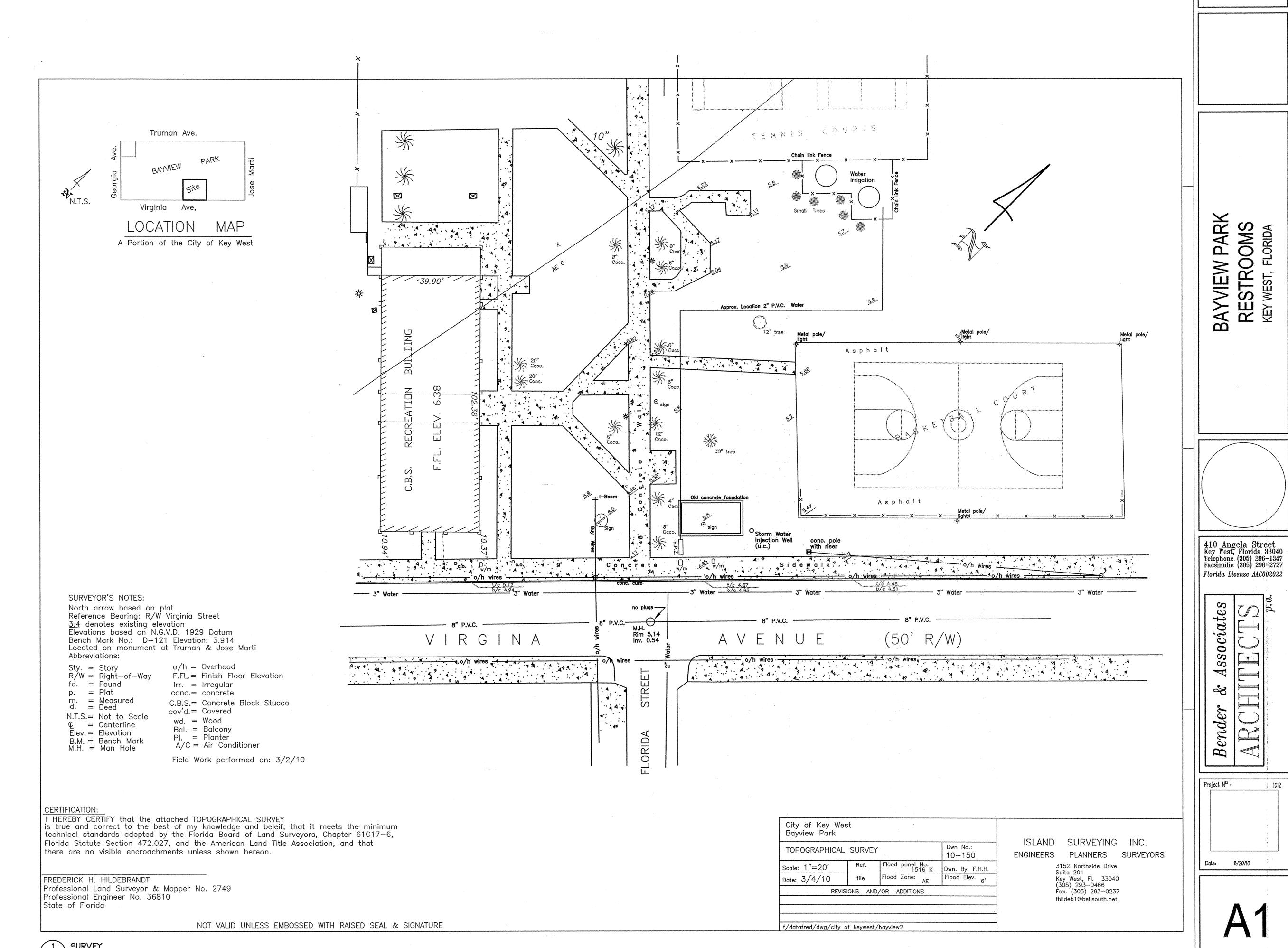


OMS ORIDA STRO WEST, FL



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PROJECT STATISTICS ADMINISTRATIVE CODE SYMBOLS LEGEND



2 OF 6

SURVEY

SCALE: N.T.S.

## GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, FLORIDA BUILDING CODE, AND OTHER APPLICABLE CODES AND STANDARDS.
- .a) ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL ELECTRICAL WORK INCLUDING PARTS AND LABOR FOR A MIN. OF 1 YEAR (OR AS DENOTED UNDER THE GENERAL CONDITIONS
- OF THIS CONTRACT) AFTER FINAL WRITTEN ACCEPTANCE BY OWNER. .b) ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ALL ELECTRICAL
- PERMITS, FEES, INSPECTIONS, TESTS, ETC., AS REQUIRED. 2.a) THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS AND BOXES REQUIRED TO MAKE A COMPLETE NEAT INSTALLATION IN ACCORDANCE WITH
- WHEN CONFLICTS ARISE IN LOCATIONS WIRING DEVICES, ELECTRICAL EQUIPMENT, DISCONNECTS, PANELBOARDS ETC. DUE TO FIELD CONDITION OR IMPROPER FIELD COORDINATION CONTRACTOR SHALL BRING IT TO THE A/E'S ATTENTION AND AT NO EXTRA COST RELOCATE, AND OR EXTEND WITHIN A REASONABLE DISTANCE SUCH ITEM WHICH IS IN CONFLICT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATION OF ALL COMPONENT PRIOR TO ROUGH-IN WITH ALL TRADES- NO EXTRAS WILL BE ALLOWED FOR FAILURE TO DO SO.
- THE CONTRACTOR IS RESPONSIBLE FOR EVALUATING FIELD CONDITIONS BY VISITING THE SITE PRIOR TO COMMENCING/BIDDING WORK.
- THE CONTRACTOR SHALL SATISFACTORILY REPAIR/REPLACE EQUIPMENT OR PART OF STRUCTURE DAMAGED AS A RESULT OF HIS WORK. SURFACES AND FINISHED AREAS SHALL BE RESTORED TO MATCH ADJACENT AREAS.
- APPROVAL SHALL BE OBTAINED FROM THE ARCHITECT/STRUCTURAL ENGINEER PRIOR TO CUTTING OR DRILLING ANY STRUCTURAL SUPPORT MEMBER. COORDINATE EXACT LOCATION OF ALL FLOOR OUTLETS AND SLAB PENETRATIONS WITH ARCHITECTURAL DRAWINGS, AS WELL AS WITH STRUCTURAL DRAWINGS.
- ALL DEVICE BOXES SHALL BE INSTALLED FLUSH AND CONDUITS RUN CONCEALED.
- WIRE SIZE SHALL BE #12 THHN/THWN UNLESS OTHERWISE NOTED ON PLANS. CONDUCTORS #6 AND LARGER SHALL BE THWN.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- 10. ALL CONDUCTORS SHALL BE RUN IN CONDUIT AS FOLLOWS:
- a) MIN. CONDUIT SIZE SHALL BE 3/4°C. b) UNDERGROUND OR IN GROUND FLOOR SLAB OR CAST IN CONCRETE WALL.
- RIGID STEEL WITH ANTI-CORROSION COATING. c) EXPOSED INTERIOR: EMT, (INSIDE OF MECH/ELECT RMS ONLY).

CONDUIT SHALL BE PVC SCHEDULE 40 OR GALVANIZED

- d) INTERIOR WORK: EMT

THE INSTALLATION.

- e) CONNECTIONS TO EQUIPMENT: FLEXIBLE CONDUIT (LIQUID TIGHT IN WET
- f) EXPOSED EXTERIOR: RGS OR EMT (ALL CONDUIT SHALL BE CONCEALED).
- 11. ALL MATERIALS SHALL BE U. L. CERTIFIED.
- 12. TYPEWRITTEN PANEL TALLY SHALL BE FURNISHED AFTER JOB IS COMPLETED. CONTRACTOR SHALL ADHERE TO CIRCUIT NUMBERS/PANEL TALLEY AS PER PANEL SCHEDULE.
- 13. ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
- 15. ALL WIRING DEVICES TO BE SPECIFICATION GRADE DEVICES WITH METAL WALL PLATES.
- 16. ALL BRANCH CIRCUITS TO HAVE A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER N.E.C. 250.95.
- 17. ALL EMPTY CONDUITS TO BE PROVIDED WITH NYLON PULL STRINGS.
- 18. FUSES SHALL BE DUAL ELEMENT, TIME DELAY TYPE UNLESS OTHERWISE NOTED.
- 22. RISERS ARE DIAGRAMMATIC ONLY. THEY DO NOT SHOW EVERY BEND REQUIRED FOR
- 23. THIS DRAWING IS A GUIDE FOR THE INSTALLATION OF ELECTRICAL SERVICE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.
- 24. ALL CABLES SHALL BE RUN WITHOUT SPLICES EXCEPT OTHERWISE INDICATED.
- 25. GUTTERS, WIREWAYS, PULL BOXES, ETC., SHALL BE SIZED PER NEC AND SHALL BE ACCESSIBLE AT ALL TIMES.
- 26. EXACT POINT AND METHODS OF CONNECTION SHALL BE DETERMINED IN FIELD.
- 27. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER.
- 28. ALL RACEWAY ROUTED, INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED
  - AS FOLLOWS: 120/240V SYSTEM PHASE 'A' BLACK

PHASE 'B' NEUTRAL

- GROUND 31. ALL DEVICES INSTALLED OUTDOORS TO HAVE WEATHERPROOF COVERS.
- 33. VERIFY EQUIPMENT SIZES, VOLTAGE AND CURRENT CHARACTERISTICS ETC..., BEFORE ORDERING ANY EQUIPMENT AND/OR ROUGH-IN FOR EQUIPMENT BEING SUPPLIED BY

# GENERAL PLUMBING NOTES

- 1. WORK UNDER THIS SECTION INCLUDES FURNISHING ALL LABOR, EQUIPMENT, MATERIALS, SUPPLIES AND COMPONENTS AS PERFORMING ALL OPERATIONS AS NECESSARY FOR THE INSTALLATION OF THE COMPLETE PLUMBING SYSTEM.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- SUBMIT MANUFACTURER'S DATA AND SHOP DRAWINGS ON ALL
- EQUIPMENT FOR REVIEW BEFORE INSTALLATION. NO WATER LINES SHALL RUN INSIDE CONCRETE SLABS.
- ALL DIMENSIONS AND ACTUAL CONSTRUCTION CONDITIONS MUST BE VERIFIED AT THE JOB SITE.
- 6. THE CONTRACTOR PERFORMING THE WORK SHALL COORDINATE ALL HIS WORK WITH OTHER TRADES AND FIELD CONDITIONS.
- PLUMBER SHALL NOT DEVIATE FROM THE SANITARY CONNECTION FORMAT WITHOUT ENGINEER'S APPROVAL.
- THE CONTRACTOR PERFORMING THE WORK, PRIOR TO SUBMITTING HIS BID PRICE, SHALL VISIT THE SITE, FAMILIARIZE HIMSELF WITH ALL FIELD CONDITIONS, AND SHALL OBTAIN ALL REQUIRED INFORMATION NECESSARY TO COMPLETE THE JOB. ANY DISCREPANCIES BETWEEN WHAT IS SHOWN ON THE DRAWINGS AND ACTUAL WORK REQUIRED TO COMPLETE THE JOB SHALL BE TAKEN INTO ACCOUNT IN THE BID PRICE.
- SANITARY WASTE AND VENT PIPING:
- 1. SHALL BE CAST IRON NO-HUB ABOVE GROUND, PUSH-ON JOINT WITH NEOPRENE GASKET UNDERGROUND.
- 2. ALL SANITARY HORIZONTAL PIPING 2"AND SMALLER SHALL BE SLOPED AT 1/4"/FT, AND ALL PIPING 3"AND GREATER TO BE SLOPED AT 1/8""/FT.

### C. DOMESTIC WATER PIPING:

- CW & HW PIPING SHALL BE COPPER TYPE 'L' WITH BRONZE OR WROUGHT COPPER SOLDER JOINT FITTINGS. JOINTS WITH 95/5 SOLDER, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- 2. INSTALL CAPPED AIR CHAMBER AND MECHANICAL SHOCK ABSORBERS WHERE SHOWN ON WATER RISERS. CHAMBERS SHALL NOT BE LESS THAN 3/4" AND 12" HIGH.
- 3. PROVIDE DIELECTRIC ISOLATION BETWEEN CONTACT OF DISSIMILAR
- 4. C.P. ESCUTCHEON PLATES REQUIRED ON ALL WALL PENETRATIONS.
- 5. PROVIDE SHUT OFF VALVES AT EACH PLUMBING FIXTURE WATER SUPPLY.
- 6. ALL ACCESS PANELS LOCATED AT RESTROOMS ARE TO BE OF STAINLESS STEEL CONSTRUCTION.

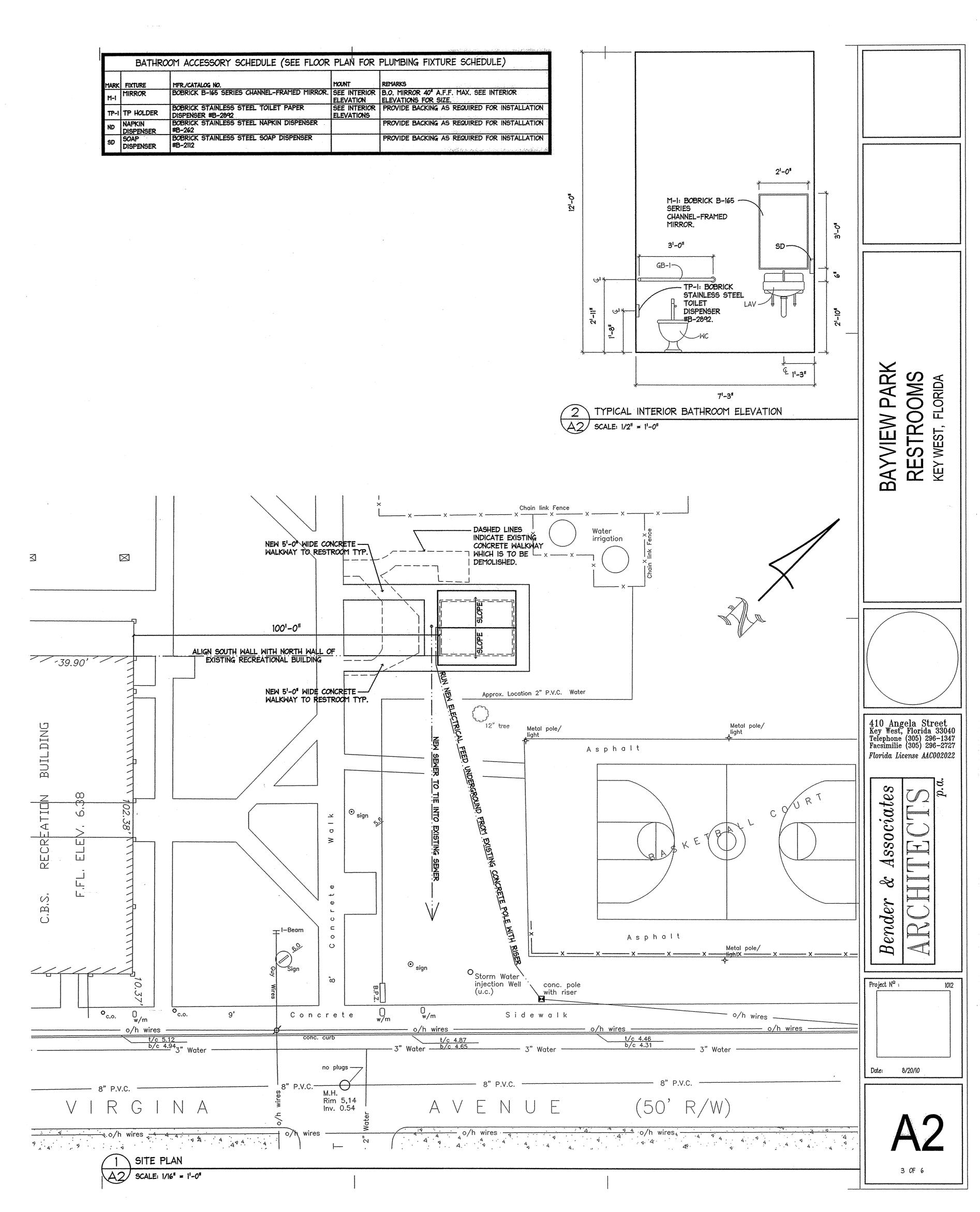
## D. HOT WATER PIPING INSULATION:

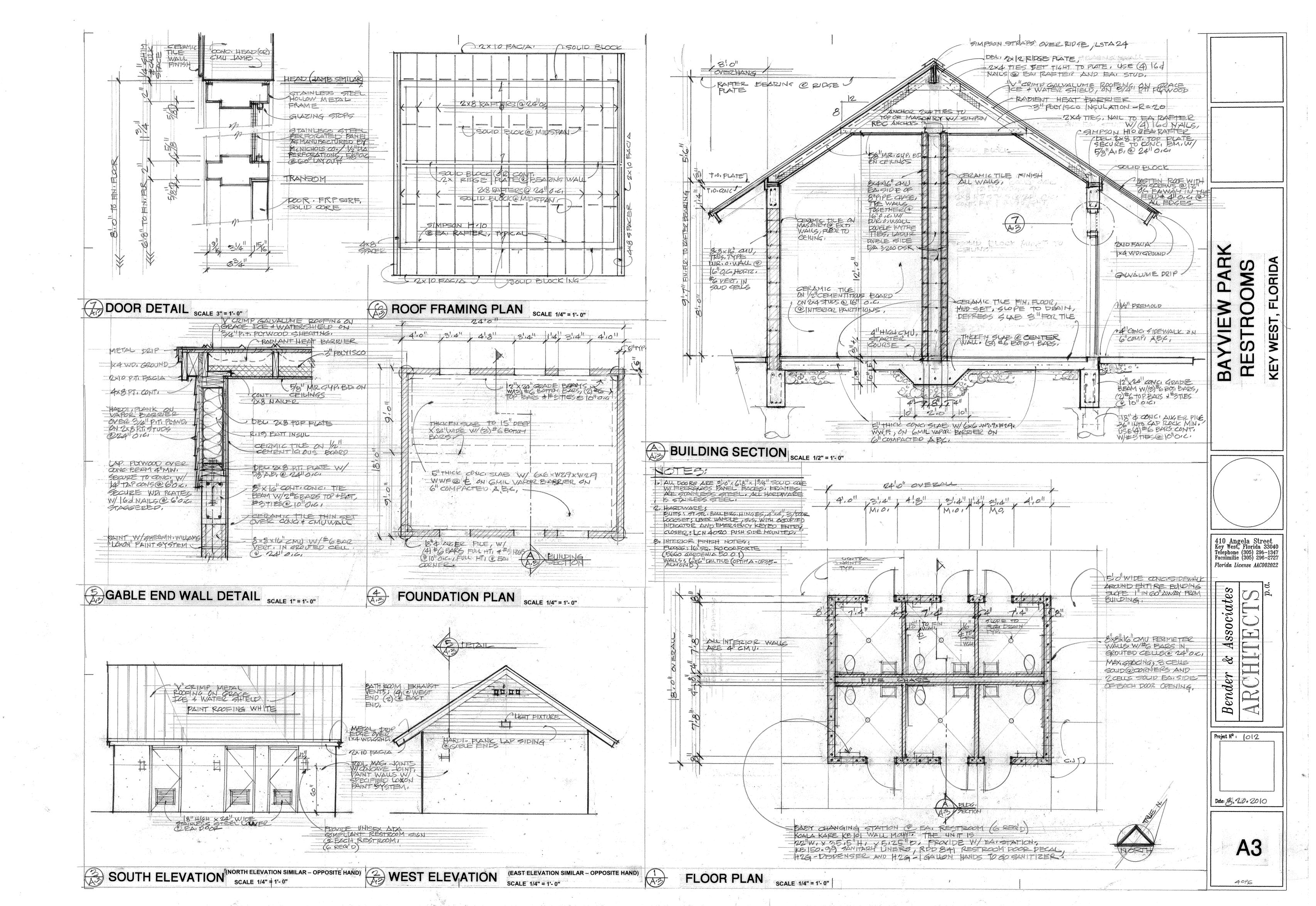
- 1. 3/4" INCH THICK GLASS FIBER MOLDED INSULATION WITH FACTORY APPLIED FRJ JACKET WITH LONGITUDINAL LAP AND BUTT JOINT STRIPS WITH SELF SEALING ADHESIVE.
- 2. PROVIDE DIELECTRIC ISOLATION BETWEEN CONTACT OF DISSIMILAR

- CLEANOUTS SHALL BE PROVIDED AND INSTALLED AT POINTS INDICATED BY "C.O." AND "F.C.O." ON DRAWINGS. THIS ALSO INCLUDES WERE NOT INDICATED ON DRAWINGS AT ALL CHANGES IN DIRECTIONS AND AT THE BASE OF STACKS FOR BOTH SANITARY AND STORM DRAIN SYSTEMS.
- 2. CLEANOUT COVERS: WALLS - JOSAM 58790-SS
- FLOORS JOSAM 58360 FERRULE WITH 8640 AND NIKALOY TOP

### I. HOSE BIBBS:

- ALL HOSE BIBBS TO HAVE KEYLESS SHUT-OFF VALVES. A. INDOOR: JOSAM HYDRASAN MODEL 71070.
- B. OUTDOOR: JOSAM HYDRASAN MODEL 71020. 2. ALL HOSE BIBBS TO BE PROVIDED WITH SHUT-OFF VALVE AND VACUUM BREAKER.
- J. EXECUTION: 1. ALL WATER PIPING SHALL BE TESTED AT 100 PSIG, STERILIZED AND FLUSHED BEFORE CONNECTION TO BUILDING SYSTEMS.





CRC'T	DESCRIPTION	BRK'R	POLE	LOAD WATTS (V/A)	CRC'1	DESCRIPTION	BRK'R	POLE	LOAD WATT (V/A)
7	HORTH SIDE LIGHTS	20	I	192	2	HORTH SIDE RECEPTACES	20	I	54
3	SOUTH SIDE LIGHTS			192	4	SOUTH SIDE BECEPTACLES			54
5	HORTH SIDE EXHAUST FAN	\$		86	6	(2) DUPLEX SERVICE RECEPTACE		00	36
7	SOUTH SIDE EXHAUST FANS			- 86	8	(1) DUPLEX SERVICE RECEPTAGE		1	90
9	EXTERIOR LIGHTS			900	10	(1) 220V. SERVICE RECEPTACE	\$ 30		1,80
11	SPARE			360	12	***		2	1,80
13	SPARE	00		360	14	SPARE	no	1	36
15	BLANKS				16	BLANKS			
17				,	18				
19					20				n i
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BK MANUEACTUBER/CATALOG NO DESCRIPTION		HOLINTING	i Augus
ELECTRICAL FIXTUR	RE SCHED	)ULE	
			* 1 × 1
	ર્દિત હોઇ ત્યાને છે હાલ કર્માં મહારા કારણ કરાવા માને પણ છે. ગુદ્ર પણ કરાવા માને અને માને પણ માને કરવા છે. માને સાથે કરવા માને માને માને માને માને માને માને માન	Angelegen Trophy (1986) State (State	The child also also made to the last magnetic and the period of the particular and the period of the contract of the contrac
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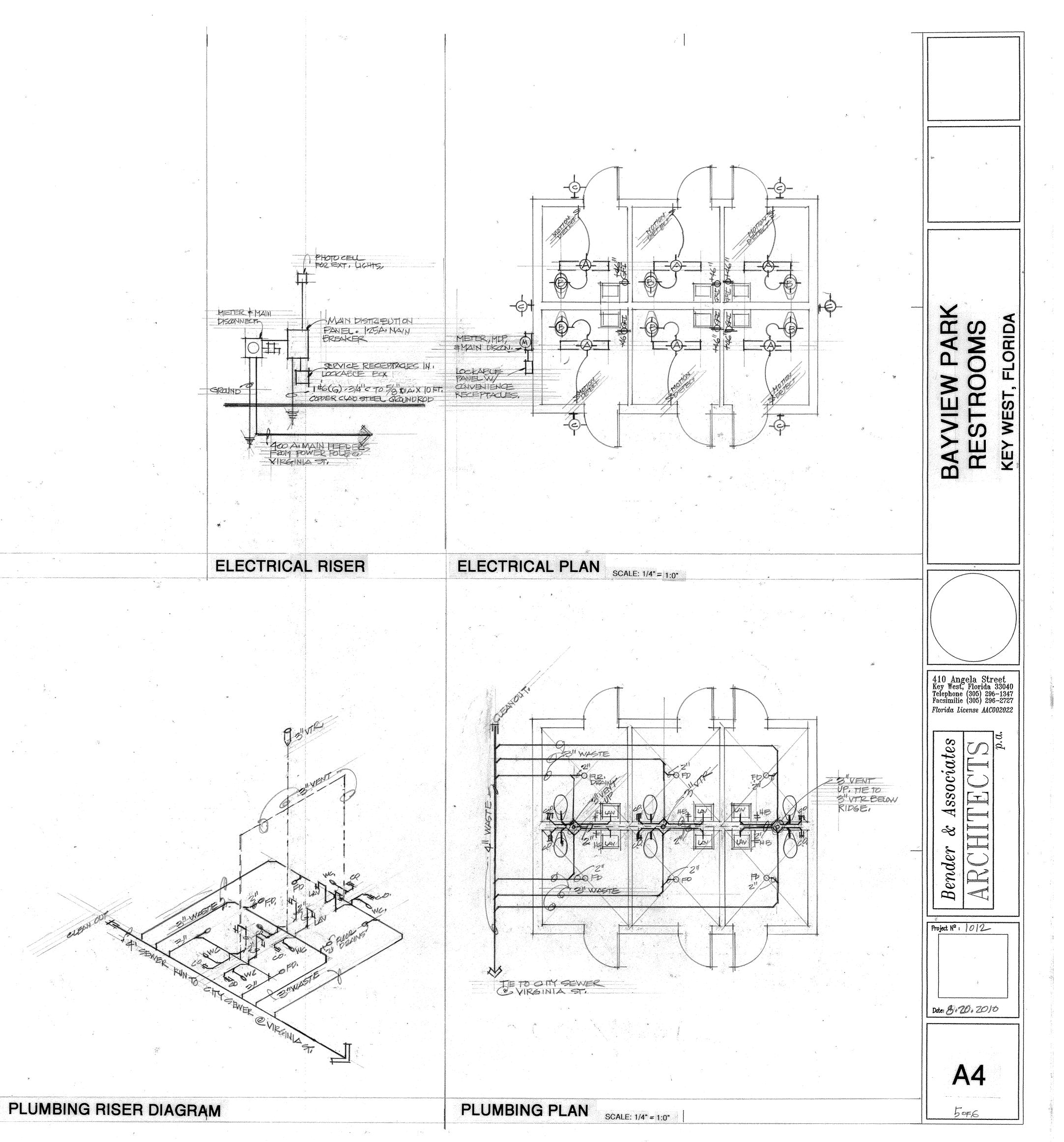
MARK	MANUFACTURER/CATALOG NO.	DESCRIPTION	MOUNTING	LAMPS
A	WE-232A-120V-ELER81	ECONOMY WRAP AROUND FLOURESCENT 71/2"48" TWIN TUBE, WIRED FOR EMERCENCY OPERAL BORING POWER OUTAGE	Surface	©) T8 FLOURESCENT
B	BROAN/ATRE.080	80 CFM EXHAUST FAN. ENERGY STAIR RATED	RECESSED	
C	MHIP-C-150, 120-LL-WH	MHITE, WINDER WALL LUMINAIRE,	WALL MOUNT	150 W. MEDAL HALLDE

PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE	MANUFACTURER/CATALOG NO.	FITTINGS: MANUFACTURER/CATALOG NO.	REMARKS	
WC	WATER CLOSET	AMERICAN STANDARD/ 3043,001 WHITE	SLOW / ROYAL MODEL 100-14 LOW CONSUMPTION FLUCHOMETER	PROVIDE HEAVEY DUTY SEAT #5905.100	
LAV.	LAYATORY	AMERICAN STANDARD/ 0356-421 WHITE	AMERICAN STANDARD/ 1340-105-1.5 GPM	LUCERNE WALL HUNG LAV. W/METERING FAUCET	
-HB	HOSEBIBB	LOCKABLE HOSE BIBB			
FD	FLOOR DRAIN	JOSAM /30502-2		CASTIRON BORN.	

NOTE: PROVIDE ISOLATION VALVES W/ STAINLESS FREL DOORS AT EACH REST ROOM.

PROVIDE COLD WATER ONLY

ALL SUPPLY LINES TO BE BRAIDED STAINLESS STEEL COMPRESSION



7. The observation of the Contract work shall be done by the person listed in the Contract agreement as the Architect. In the case that no observation by the Architect is provided in the Contract, the functions of the Architect, wherever called for in the Specifications, shall be exercised by the Owner.

8. Provide temporary services and utilities: 8.1. Water (potable and non-potable).

8.2. Sewer sediment.

8.3. Power. 8.4.Meterina.

8.5. Telephone. 8.6.On renovation work where existing electric and water meters will remain without interuption or service other than short periods of transfer or meters, the owner will continue to pay those utility bills

---9. Materials and Labor

9.1 Submit samples to the Architect for approval of color where required. 9.2 All work shall be performed in the best and most professional manner by mechanics skilled in their respective

9.3 Where brand names or manufacturers names appear, they are used to establish a quality of material and/or process. Substitutions will be approved by the Architect if, in his judgment, they constitute an equal material or

9.4 All trades shall guarantee all work to be free of defects in materials or workmanship for a period of one (1) vear from the date of final acceptance. This is an individual installer warrenty and is additional to longer product or manufacturers warrenties required elsewhere in these specifications.

9.5 Apply, install, connect, erect, clean, condition, and use all manufactured articles in accordance with the manufacturer's instructions and as shown on the drawings. Provide Owner with all guarantees and maintenance manuals for all appliances and pieces of equipment installed as a part of the work.

10.1 By submitting a bid, the bidder agrees and warrants that he has examined the drawinas and specifications and found that they are adequate for the proper completion of the project.

10.2 No claims for any extra charges will be allowed because of alleged impossibilities due to inadequate drawings or 10.3 The Contractor shall be responsible for verifying field measurements before ordering materials and prefabricated

items. Any necessary adjustments between field measurements and drawings shall be made as per the decision of the Architect.

11.1 Immediately after execution of the Contract, the Contractor shall submit for approval a breakdown of the Contract sum. Use AIA Document G-702/G-703 for payment applications.

11.2 Unless explicitly stipulated differently in the Contract Agreement, the Contractor shall receive payments monthly, based on the work completed and the evaluation in accordance with the approved breakdown.

12.1 The Contractor shall carry Workmen's Compensation Insurance to the extent required by law and shall maintain such insurance in full force during the entire time of this contract. 12.2 The Contractor shall carry comprehensive General and Automotive Liability Insurance of \$100,000 to \$300,000

(minimum) and Property Damage Insurance of \$50,000 (minimum).

13.1 All work shall be substantially completed at a time stipulated in the Contract Agreement or in time extended for justifiable delays, if any.

13.2 A building or any other work shall be considered substantially completed when ninety-five percent (95%) of the work is done and the building is ready for occupancy or the premises for use.

1. Scope: Demolition, excavation, filling and back filling, base course for building slabs and sidewalks, finish grading,

2. Related Work Specified Elsewhere: Concrete, masonry, moisture protection.

3. Demolition:

3.1 Demolition will be as indicated on the drawings. 3.2 Removal and replacement of power poles and/or equipment will be by the appropriate utility companies. Notify utility company at the start of construction of need to remove or relocate.

4. Excavation:

4.1 Excavate for footings, slabs, etc. as indicated on the drawings and as required for completion of the project. 4.2 All work shall be done in a safe and cautious manner in order to avoid accidents and property damage. The Contractor shall repair or replace property damaged during this or any other phase of the work.

5. Filling and Backfilling:

5.1 Fill all areas as indicated on the drawings or as necessitated in the normal course of the work. 5.2 Backfill against foundations and slab edges with native soils free of organic material or debris. Care shall be taken not to damage waterproofing membranes, insulation, foundation, etc.

5.3 Utility trenches shall be proper width for laying pipe. Avoid sharp breaks or changes in direction. Unstable soil shall be removed and replaced with approved material.

5.4 Compact all backfill to 95% of existing maximum density in 12" lifts. 5.5 Excayated material not suitable or required for back filling shall be redistributed on site or removed, as directed by the Architect.

-6. Backfilling for Slabs and Walks:

6.1 Aggregate base material of 1" or less in size uniformly distributed with coarse and fines. Aggregate base shall conform to the following requirements:

(square openings) % passing by weight 3/4 inch 90-100% 1/4 inch 45-75%

no. 200 0-8% 6.2 All aggregate base courses shall be 4" minimum thickness after compaction unless otherwise specified.

6.3 Provide 4th compacted aggregate base course under all concrete slabs on grade.

7. Finish Gradina:

7.1 Slope all grades away from the buildinas. 7.2 All graded areas to be graded in uniform slopes, free from ridges and mounds.

8. Asphalt concrete paving. 8.1 Type S-3 asphalt per D.OT. specifications.

8.2 Provide compacted base as appropriate to site and local conditions; Lime Rock or other D.O.T. acceptable material compacted to 95% of ASTM D-1557. DIVISION 3 - CONCRETE

1. Scope: Complete installation of plain and reinforced concrete work of the entire project including foundations. walks, slabs on grade, precast floor joists, and other concrete work to complete the project as shown on drawings and called for in these specifications. Furnishina and installing all reinforcina steel, welded wire fabric, dowels, ties. anchors, etc. as indicated on drawings and otherwise required by the work. Installing items built into concrete but furnished by others. Installing items necessary to fasten and hold reinforcement in place.

2. Related Work Specified Elsewhere: Furnishing attachments for other work placed in concrete, waterproofing.

3. Description: Concrete shall consist of Portland cement, fine and coarse aggregate, proportioned and mixed, reinforced, placed and finished as indicated and specified. Concrete strenath = 4,000 P.S.I. @ 28 days. Max. slump = 5" footings and 6" for slabs on grade. Maximum slump for structural columns, beams and slabs shall be 4". Transit mixed concrete per ASTM C-94.

4.1 Portland cement - ASTM C-150

4.2 Reinforcing steel - ASTM A-15

4.3 Welded wire fabric - ASTM A-185 4.4 Coarse aggregate shall be clean crushed stone or natural gravel conforming to ASTM C-33, and not larger than 3/4" for slabs or 1 1/2" for foundations. Maximum size for reinforcing steel or between reinforcing and forms. 4.5 Fine aggregate shall be washed natural sand, without clay content, of strong sharp particles. 4.6 Water shall be potable.

4.7 Accessories shall be hot dipped advanized bar supports, etc. manufactured for use in concrete. 4.8 Joint filler shall be pre-molded expansion joint filler, 1/2" thick, unless otherwise stated on the drawings, asphalt impregnated fibers conformina to ASTM D-994.

5. General Requirements:

5.1 Material and workmanship shall conform to "Building Code Requirements for Reinforced Concrete" (ACI 318). 5.2 Do not use deteriorated or damaged material for concrete.

5.3 No admixtures shall be used without prior approval of the Architect. 5.4 Mechanically vibrate all concrete in place with experienced workmen.

5.5 Cure slabs with an approved liquid curing compound and sealing agent, applied in accordance with the

manufacturer's recommendations. 5.6 Concrete pours shall be so scheduled and completed so that no unsafe structural conditions or unsightly finish will result. Scheduling and location of pours shall be brought to the attention of the Architect, at least 24 hours prior to placing concrete. Inspection of reinforcing in place, forms, compacted base, etc., will be made by the Architect prior to any concrete pour. No concrete shall be poured without the Architect's inspection and approval.

5.6. Concrete shall be delivered to the place of pouring by trucks or carts and poured through troughs or chutes. Any fall segregating the coarse agaregate from the mix shall be avoided. 5.7. Furnishing and placement of reinforcing steel shall comply with current ACI standards. Reinforcing steel shall be

accurately placed in accordance with related drawings and securely tied in its precise position at all points where the bors cross so as to preclude shifting during the placing of concrete. Bors shall be deformed in accordance with ASTM 5.8 Precast-prestressed concrete floor joists where shown on Drawings , shall be manufactured in accordance with

the requirements on the structural drawings. 5.9. The tickness of concrete floor slabs suported directly on the ground shall not be less than 3 1/2 inches (89mm). A 6-mil [0.006 inch(152 mm)] polyethylene vapor retarder with joints lapped not less than 6 inches (152mm)shall be placed between the base course or subgrade and the concrete floor slab, or other approved equivalent methods or materials shall be used to retard vapor transmission through the floor slab.

6. Concrete Finishes:

6.1 Finished floor slab surfaces shall be plane surfaces as shown on the drawings. Where drains occur slope floor

6.2 Interior slabs shall be screeded with a straight edge, floated to the required level, and steel troweled to a smooth hard finish. Exterior slabs shall be broom finished. 6.3 Concrete floors shall be checked for trueness with an 8 foot straight edge. Any deviation from the line of the straight edge by more than 1/4" shall be repaired in a manner satisfactory to the Architect.

7. After construction is completed, thoroughly clean all exposed floors with soop and water.

8. Control joints shall be formed as indicated on drawings, or formed with metal keyway to remain in the slab.

9. Precast, prestressed floor joists

1. Scope: Furnish and install all labor, materials, equipment and service necessary to complete all masonry work as

2. Related Work Specified Elsewhere: Masonry wall insulating fill, face caulking of control joints. 3. Materials: Concrete masonry units shall conform to ASTM C-90, Grade U-1, F1 m = 1350 P.S.I.

3.1 Masonry units shall be 8" x 8" x 16" hollow unit masonry, 16" x 8" x 16" column block, and as shown on the 3.2 Trussed or ladder type horizontal joint reinforcement equal to Dur-O-Wall. 3.3 Mortar shall be type 5, 1800 P.S.I. minimum compressive strength.

4. Construction and Workmanship:

4.1 The work shall be done by experienced mechanics, skilled in their trade, in a first class manner. 4.2 The Contractor shall be responsible for quality of workmanship and for compliance with the design and specifications. He shall correct all errors and deviations as requested by the Architect, 4.3 Transport and handle all masonry units in such manner as to prevent chipping and breakage. Protect all masonry from inclement weather effects and heavy and unnecessary traffic.

4.4 Do not lay chipped, cracked or otherwise defective units in the wall where exposed to view. Remove and replace defective units, whether defective, chipped, or broken before or after setting. 4.5 All joints shall be as indicated on drawings, straight, true, and uniform in thickness to course vertically to 8°.

4.6 All masonry shall be running bond unless indicated otherwise.

4.7 Provide all openings in masonry walls where required or indicated. Build in all items as required for a complete job, including (but not limited to) reinforcing steel, bolts, anchors, conduits and piping. 4.8 Clean all finished masonry walls for a neat, clean and finished appearance, if exposed to view.

DIVISION 5 - STRUCTURAL AND MISCELLANEOUS STEEL:

4.9 Install horizontal joint reinforcement in wall joints at 16" on center vertically.

1. Scope: Furnish and install all steel lintels, clip angles, anchor bolts and other steel items as indicated on drawings

2. Related Work Specified Elsewhere: Reinforcing Steel

3. General Requirements: 3.1 Structural Steel - ASTM A-36 3.2 Structural Bolt - ASTM A-325

3.3 Anchor Bolts - ASTM A-307 3.4 Any welding shall be performed by certified welders.

3.5 All steel items shall be hot dip galvanized, prior to delivery to the site, or stainless steel.

3.6 All work shall be properly aligned, plumb, level and true, and shall be in the precise location as indicated on the

DIVISION 6 - CARPENTRY AND MILLWORK:

1. Scope: All rough and finish corporatry work and millwork as indicated on drawings and specified. The installation of all rough and finish hardware, shelving and trim, hangers and all material necessary to complete all the framing and finish work as shown. Install all blocking, firestops, backing, bridging, etc., for the proper installation of all

2. Related Work Specified Elsewhere: Toilet room accessories, specialties, finishes.

3.0 Protection against decay and termites: All wood in this section shall be a naturally durable species resistant to termites or pressure treated. Even when not specifically indicated on the drawings, all framing lumber, sheathing, fascias, casings, and any other lumber used on the exterior of the building shall be pressure treated or naturally decay resistant. Lumber used for framing, plates, etc. on the interior shall also meet this requirement.

3.1 Air dry all dimension and board lumber to maximum 19% moisture content. All lumber to bear association mark, grade, and mill mark per WCLB rules.

3.2 All joists, cupola and dormer rafters, ledgers and beams to be pressure treated Southern yellow pine #1 or #2 as required to meet specified structural requirements. All repetitive framing members and joists shall be minimum 1200 P.S.I. stress graded lumber, after pressure treating. Main roof rafters and beams where shown shall be microlam as manufactured by Truss-Joist Macmillan. Microlam members to be pressure treated.

3.3 Studs, blocking and plates: Southern yellow pine #2 or better, pressure treated. 3.4 Floor sheathing: 3/4" T&G P.T. plywood, unless otherwise noted.
3.5 Wall sheathing: 5/8" C-DX P.T. (Under standard siding), 3/4" CDX P.T. (Under stucco)

3.6 Roof sheathing: 3/4" C-DX exterior APA P.T. plywood 3.7 Siding: #2 pine 1/2" x 6", pressure treated and kiln dried.

3.8 Exterior trim: 5/4" P.T. Southern Yellow Pine, unless otherwise noted.

3.9 Interior trim: clear fir or as called for on the drawings. 3.10 Shelving may be 3/4" plywood with a 1/8" x 3/4" hardwood glued and nailed to ends and edges exposed to view with all ends and edges sanded and finished, or solid boards.

3.11 Built-in cabinets shall be plastic laminate and/or wood as shown and detailed an drawinas. Plastic laminate shall be Formica, Wilsonart, Pionite, or equal. 3.12 Connectors, supports, joist hangers, etc., shall be Simpson, of types as indicated an drawings, all items

4. Construction and Workmanship: 4.1 All work shall be braced, plumbed and leveled. All joints shall be true and tight. A sufficient number of nails.

screws, and bolts shall be used to insure the rigidity of the construction.

4.2 All millwork shall be carefully erected with tight fitting joints, carefully cut and secured. Exposed nails shall be set and puttied. All work shall be thoroughly cleaned and sanded to receive finish.

4.3 All carpentry work shall conform to Chapter 17 of the Standard Building Code, latest edition. 4.4 Provide grounds, stripping, furring, etc., to receive finish materials as required.

4.5 Provide x-bracing or solid blocking at center line of all framing members over eight feet in length. 4.6 Install all plywood with edges over framing members. Nail plywood siding at 6° O.C. at edges and 12° O.C. at intermediate framing members. Stagger plywood joints.

DIVISION 7 - MOISTURE PROTECTION 1. Scope: Roofing, sheet metal, caulking, insulation.

2. Related Work Specified Elsewhere: Concrete, masonry, filling and backfilling, doors and windows.

3.1 The Contractor shall submit samples of materials for approval to the Architect as called for. 3.2 All materials shall be delivered bearing the manufacturer's name and brand. 3.3 All flashing, counter-flashing, reglets, etc., shall be galvalume with factory applied paint, or stainless steel where shown on drawings. All flashing, drips, etc., as detailed.

3.5 Caulking or sealant shall be DAP Gold Label Butyl-Flex caulking compound or equal. In no case shall caulking or sealant be less than is required for its intended use. Submit manufacturer's data to the Architect when requested. Colors to match adjacent construction.

3.4 Subgrade waterproofing shall be black asphaltic emulsion painted onto walls, two coats minimum, as shown on

3.6 Batt insulation shall be minimum R-19 (or as called for in the drawings) at ceilings and walls or vertical planes (except as shown on Drawings). Masonry fill insulation, when required, shall be Vermiculite, Perlite, or equal; Min. R-5. All Batt insulations shall have a vapor barrier on one side, applied to the room side of walls or cellings. Rigid insulation shall be equal to: Celatex Brand Polylsocyanurate closed cell foam insul with aluminum foil facing on one side. Thickness as called for on drawing assumes an R-Value of 6.5/inch. Install radiant heat barriers equivelent to Parsec, as shown on the drawings.

3.7 All "V" crimp metal roofing shall be 26" wide panels for placement 24" O.C., with "galvalume" coating, 26 gauge steel with a 5-V profile. Place roofing over a membrane complying with ASTM D 2626. Type 1, 30 lb. or peel and stick membrane equal to Grace Ice and Water Shield where indicated. Provide all accessories: aalvanized clips, anchors and other materials required for a complete and weathertight installation. Where Metal roofing is shown on the drawings "to match existing", furnish a sample of the proposed product to the Architect for approval. 3.8 Where metal shingle roofing is called for, provide "Galvalume" shingles, 30 gauge minimum with patterns as selected by the Architect.

3.9 Where modified bituminous or "built-up" roofing is called for or otherwise required, use siplost 2030 CBH system or approved equal. 4. Roofing:

4.1 The roofing Contractor shall inspect the roof deck for compatibility with specified roofing systems and materials, and for any defects of the deck, and state his findings to the Architect.

4.2 All work shall be done in strict accordance with the manufacturer's recommendations. 4.3 Pipes and ducts extending through the roof shall be flashed with one piece of sheet metal forming a flange which extends at least 6" on all sides. 4.4 Provide a written guarantee stating that any leaks or other defects in the roofing or flashing will be repaired to

the Owner's satisfaction for a period of FIVE (5) YEARS. 4.5 All roofing shall be performed in accordance with applicable code.

cl Requirements: 5.1 Furnish and install all work for this section as indicated.

5.2 Furnish and install flashing wherever indicated on drawings and wherever required to maintain the intearity of the 5.3 Furnish and install caulking wherever indicated and as required for weather tight seal.

materials and all trash and debris caused by his work. 5.5 The roofing subcontractor shall inspect all work in place for compatibility with specified roofing systems and materials, and for any defects of the deck, and state his findings to the Architect. 5.6 Roofing systems shall use the products of the same manufacturer unless specifically allowed by the roofing

5.4 After completing the roofing installation, the roofing and sheet metal contractor shall remove all excess

DIVISION 8 - DOORS, WINDOWS AND GLAZING, HARDWARE 1. Scope: Furnish and install all doors, windows, glass and glazing, hardware, frames and miscellaneous items as required for a complete project, as indicated on drawings, specified or otherwise necessitated by the work.

2. Related Work Specified elsewhere: Caulking

3. Doors and Frames: 3.1 Wood doors shall be hollow core, or solid core, or panel, as indicated on drawings, of sizes and types as indicated. Use fiberalass reinforced panel skins where indicated

use with all components hot dip galvanized 4.1 All windows in exterior walls to be as shown on the window schedule: wood, aluminum or steel as called for. 4.1.1 Finish: All wood windows to have factory applied primer on exterior and interior. Paint as per Division 9-

3.3 Hollow metal doors and frames shall be the product of one manufacturer, or gauges sufficient for its intended

4.1.2 Provide all windows with factory-installed fiberglass screens in aluminum frame with white finish. 4.1.3 Glazing: All windows, except as shown, shall be furnished with clear single glazing. Windows 'F' to be furnished with clear impact resistant glazing are as scheduled. Provide N.O.A. to show Florida Building Code compliance. 4.2 Roof windows, where shown on Drawings, shall be 'Velux'

4.2.1 Finish: Finish shall be standard Kynar 500 resin finish. 4.2.2 Glazing: Standard clear, tempered, insulating glass.
4.2.3 Flashing: Provide 22 Gauge Type EKL Combi-Flashing.

3.2 Wood frames shall be pine or Douglas fir, appearance grade, as detailed.

5. Glass and Glazing:
5.1 All fixed glass frames shall be as detailed.

5.2 All fixed glass in exterior walls shall be as indicated on drawings, 1/4" min., to withstand impact and wind loads shown on the drawings, but in no case less than required by code. 5.3 Chapter 24 of the Florida Building Code, latest edition, shall be the minimum requirement for glass and glazing. Where discrepancies between drawings, specifications, or the code appear, the Contractor shall adhere to the most stringent requirement.

5.4 Chapter 16 of the Florida Building Code, latest edition, shall be the governing standard for wind and impact loading of glass, glazing and all related components. Where discrepancies between drawings, specifications, or the code appear, the contractor shall adhere to the most stringent requirement. 5.5 Impact resistant glaxing may be laminated glass or lexan, unless specifically detailed or otherwise required by other provisions or the documents.

6.1 Provide hardware in all cases adequate for the service to which it will be subjected in the course of normal usage. Unless otherwise noted herein, all locks shall be keyed as directed by the Owner. 6.2 Submit samples of hardware finishes to the Architect for selection when requested in the drawings. 6.3 In the absence of a hardware schedule, the Contract shall include a bid allowance for the purchase of hardware

6.4 Install all hardware and related items required for a complete and functioning system. 6.5 For each of the required items of finish hardware, provide from the specified manufacturer or from one of the indicated acceptable substitutes. Acceptable

Manufacturer National McKinney or Equal Butts Stanley, Taca Locks LCN or Norton Closers Sargent Floor Closers Von Duprin Panic Bolts Sargent Thresholds Builders Brass Miscellaneous Trimco, Ives

Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor subject to the approval of the Architect.

7. General Requirements: 7.1 Provide P.T. wood thresholds for exterior doors, as detailed, or premanufactured units when hardware schedules do not specify thresholds.

7.2 Furnish and install weatherstripping at all exterior doors for weathertight seal. 7.3 Leave all labels on glass in place until inspected. After inspection remove all labels and thoroughly clean all glass.
7.4 Protect all aluminum frames and glass from damage. The general Contractor shall be responsible for the removal of protective materials and cleaning with water, or water with soap or household detergent. The general Contractor shall be held responsible for damage resulting from use of other cleaning materials.

8. Finish Hardware Schedule: A. Furnish the hardware groups in the amounts indicated on the drawings.

1. Scope: Furnish and install all gypsum drywall at partitions and ceilings, pointing and ceramic tile as indicated on

3.1.5 Apply board with edges over framing member.

2. Related Work Specified Elsewhere: Carpentry, Plastic Laminate

3. Materials, Construction and Workmanship:

3.3 Painting:

3.1 Gypsum Board: 3.1.1 Gypsum board shall be 5/8" type "X" taped and finished. Gypsum board shall have finish facing to receive paint. 3.1.2 Use water resistant gypsum board at toilet rooms and as called for an drawings.

3.1.3 Drywall shall be screw fastened to framing. Drywall screws shall be self-tapping flathead, shouldered and designed for use with power driven tools; not less than 1° long.

3.1.4 Furnish and install all gypsum board corner beads, edge guards, trim and metal accessories as required for a complete job, of types as indicated on drawings.

3.1.6 Soffits and ceilings to be smooth finish or other texture as approved by the Architect. All walls to be light smooth finish or other texture as directed by the Architect. 3.2 Ceramic tile: 3.2.1 Ceramic tile shall be manufacturer's standard glazed tile, unless noted otherwise, with all base, trim, etc., for a

complete job. Sizes shall be as called for on the drawings. 3.2.2 Tile shall be as selected by the Architect, and as manufactured by Roccaforte, American Olean, Florida Tile, Dallas Ceramic Company, Interpace Corporation or equivalent. Submit samples for approval when requested by the

3.2.3 Grout shall be white, unless otherwise noted, conforming to the highest quality industry standards. 3.2.4 Ceramic tile shall be thin set, mastic applied or mud set, at the Contractor's option. 3.2.5 Clean tile before final inspection. 3.2.6 All ceramic tile substrate shall be cementitious backer board, Wonderboard or equal.

3.3.1. Work covered in this section includes: a. Painting all interior surfaces as called for in the finish schedule. b. Painting all exterior clapboard, trim and soffits. c. Painting all doors, windows and trim.

e. Painting exterior gutters and downspouts and any other exposed metal surfaces.

d. Finishing wood flooring with wrethane finish.

f. Painting all interior millwork. g. Painting and finishing any other work requiring finishing, but left unfinished by other people.

3.3.2 Painting materials as manufactured by Benjamin Moore, Sherwin Williams, Dunn-Edwards, Deer-O, or Pittsburgh Paints. Stains as manufactured by Olympic, U.S. Plywood and Woodlife.

3.3.3 Mask as required, lay drop cloths, and generally protect all adjacent surfaces. Properly protect or remove light

fixtures, hardware, etc., during pointing.
3.3.4 Finish tops, bottoms and edges of doors the same as door faces. 3.3.5 Materials for painting and finishing are based on products of the Sherwin Williams Co., unless noted otherwise.

A. Cement - (Cementitious Siding, Flexboard, Transite Board, Shingles (non-roof), Common Brick, Stucco, Tilt-up, Precast, and Poured-in-place Cement) 1. Latex Systems

1st Coat: S-W Loxon Exterior Acrylic Mosonry Primer, A24W300 (8 mils wet, 3.1 mils dry)

2nd Coat: S-W A-100 Exterior Latex Gloss, A8 Series 3rd Coat: S-W A-100 Exterior Latex Gloss, A8 Series (4 mils wet, 1.4 mils dry per coat) b. Satin Finish

1st Coat: S-W Loxon Exterior Acrylic Mosonry Primer, A24W300 (8 mils wet, 3.1 mils dry) 2nd Coat: S-W A-100 Exterior Latex Satin, A82 Series 3rd Coat: S-W A-100 Exterior Latex Satin, A82 Series (4 mils wet, 1.4 mils dry per coat)

B. Wood (Siding, Trim, Shutters, Sashes, Doors, Misc. Wood, Hardboard-Bare/Primed) 1. Latex Systems a. Gloss Finish

1st Coat: S-W A-100 Exterior Latex Wood Primer, B42W41 (4 mils wet, 1.4 mils dry) (if Tannin Bleeding occurs, use A-100 Exterior Oil Wood Primer, Y24W20) 2nd Coat: S-W A-100 Exterior Latex Gloss, A8 Series

3rd Coat: S-W A-100 Exterior Latex Gloss, A8 Series (4 mils wet, 1.4 mils dry per coat) b. Satin Finish 1st Coat: S-W A-100 Exterior Latex Wood Primer, B42W41 (4 mils wet, 1.4 mils dry) (if Tannin Bleeding occurs, use A-100 Exterior Oil Wood Primer, Y24W20)

3rd Coat: S-W A-100 Exterior Latex Satin, A82 Series (4 mils wet, 1.4 mils dry per coat)

3rd Coat: S-W A-100 Exterior Latex Gloss, A8 Series (4 mils wet, 1.4 mils dry per coat)

3rd Coat: S-W A-100 Exterior Latex Satin, A82 Series (4 mils wet, 1.4 mils dry per coat)

C. Architectural Fiberalass 1. Latex Systems

a. Gloss Finish

a. Gloss Finish 1st Coat: S-W DTM Acrylic Primer/Finish, B66Wl (6 mils wet, 3 mils dry) 2nd Coat: S-W A-100 Exterior Latex Gloss, A8 Series

2nd Coat: S-W A-100 Exterior Latex Satin, A82 Series

b. Satin Finish 1st Coat: S-W DTM Acrylic Primer/Finish, B66Wl (6 mils wet, 3 mils dry) 2nd Coat: S-W A-100 Exterior Latex Satin, A82 Series

c. Flat Finish Ist Coat: S-W DTM Acrylic Primer/Finish, B66Wl (6 mils wet, 3 mils dry)

2nd Coat: S-W A-100 Exterior Latex Flat, A6 Series 3rd Coat: S-W A-100 Exterior Latex Flat, A6 Series (4 mils wet, 1.4 mils dry per coat)

D. DRYWALL (Gypsum Board, Exterior Drywall) 1. Latex Systems

> 1st Coat: S-W A-100 Exterior Latex Primer, B42W41 (4 mils wet, 1.4 mils dry) 2nd Coat: S-W A-100 Exterior Latex Gloss, A8 Series 3rd Coat: S-W A-100 Exterior Latex Gloss, A8 Series (4 mils wet, 1.4 mils dry per coat)

1st Coat: S-W A-100 Exterior Latex Wood Primer, B42W41 (4 mils wet, 1.4 mils dry) 2nd Coat: S-W A-100 Exterior Latex Satin, A82 Series 3rd Coat: S-W A-100 Exterior Latex Satin, A82 Series (4 mils wet, 1.4 mils dry per coat) c. Flat Finish

1st Coat: S-W A-100 Exterior Latex Primer, B42W41 (4 mils wet, 1.4 mils dry)

2nd Coat: S-W A-100 Exterior Latex Flat, A6 Series 3rd Coat: S-W A-100 Exterior Latex Flat, A6 Series (4 mils wet, 1.4 mils dry per coat) 3.3.6 Undercoats and Thinners: 1. Provide undercoat paint produced by the same manufacturer and use only as the finish paint.

2. Use only the thinners recommended by the paint manufacturer and use only to the recommended limits.

3. Insofar as practicable, use undercoat, finish coat and thinner materials as parts of a unified system of point finish. 3.3.7 Acceptance of bases: The Painting Contractor shall be responsible for the finish of his work and shall not start paintling until the surfaces are in proper condition to receive paint. If the Contractor considers any surfaces unsuitable to a degree that they cannot be corrected by scraping or sanding, he shall report this to the Architect or the Owner before applying any materials to same. Starting his own work shall be considered an acceptance of the surfaces. 3.3.8 Preparation of surfaces: Prepare wood surfaces by sealing all knots with QD 30 knot sealer. Putty nailholes,

cracks, and blemishes and sand rough areas before applying second coat of paint. Clean oily or areasy surfaces. Remove

rust by scraping or sanding. 3.3.9 All surfaces to be painted must be free of dirt and dust before painting. 3.3.10 All workmanship shall be of a professional quality with paint spread evenly without runs. Colors shall be as selected by the Architect or the Owner, and shall conform to the approved sample.

3.3.11 Nailholes and imperfections shall be neatly puttled after the first coat. Putty shall be colored to match the color of the surface to which it is applied. 3.3.12 Enamels, varnishes and exterior oil paints shall be allowed to dry at least 48 hours between coats. Interior paints shall be allowed to dry at least 24 hours between coats.

Wood flooring - Stain (color to be approved by Owner) Sealer and three coats of unethane DIVISION 10 - SPECIALTIES

1. Scope: Furnish and install all toilet room accessories, hardware, etc., as indicated or specified.

3.3.13 Paint shall be applied in the number of coats shown in 3.3.5 above.

3.3.14 Urethane shall be applied in the following manner:

2. Related Work Specified Elsewhere: Carpentry, Gypsum Drywall, Tile

3.1 Toilet room accessories shall be as called for on the drawings. When such items are not shown, they shall be furnished by the Owner and installed by the Contractor.

DIVISION 15 - MECHANICAL AND PLUMBING 1. Scope: Furnish all labor, materials, tools, transportation, services, etc., as required for complete installation of all mechanical and plumbing work as indicated on drawings, specified or otherwise necessitated by the work, for the completion of the project. Refer to mechanical and plumbing drawings for additional notes and specification requirements.

Where discrepancies exist those notes will take precedence 2. Related Work Specified Elsewhere: Excavation, filling and backfilling, moisture protection. 3. Mechanical - Materials General Requirements: 3.1 All work shall be done by experienced workmen, in accordance with the highest industry standards.

3.2 Register: Equal to Krueger 3.3 All square corner turns in ductwork to have turning vanes. 3.4 Insulate concealed ductwork with 1/2" thick, 3/4 P.C.F. density fiberalises blanket. 3.5 Test all equipment and repair, replace, or adjust as required. Adjust and balance all registers and diffusers to furnish necessary air quantities.
4. Plumbing - Materials and General Requirements:

4.1 All materials furnished under this contract shall be new and free from defects of any character. All materials shall comply with the Underwriters Laboratories Standards for each and shall so be labeled. 4.2 Plumbing fixtures, equipment and materials shall be as indicated on the drawings. 4.3 The work shall conform to current codes, ordinances and requirements of all governing agencies.

a. Soil, waste and vent piping b. Storm water conductors to cistern c. Hot, cold water
d. Roof flashing for vent piping
e. Installation of all plumbing fixtures and accessories

4.4 Plumbing work includes, but is not necessarily limited to:

f. Excavation and backfill for plumbing lines g. Cistern pump, pressure tank, piping \$ hose bibbs.

h. Solar hot water heating system with photovoltaic panel \$ associated equipment for a complete system as shown on the Drawinas. System to be as manufactured by American Energy Technologies or equal.

4.5 Pipina shall be: Soil, waste, vent stack and storm conductors - PVC high impact rigid plastic with solvent cemented joints. All pipes shall be inside walls and floors, and otherwise concealed from view. Hot and cold water - Type L copper tubing with sweat soldered wrought fittings within building, Schedule 40 PVC outside building and below grade.

1. Scope: Furnish, install and connect complete electrical systems as shown on the drawings, specified or otherwise necessitated by the work, including, but not necessarily limited to: electrical service entrance and metering, complete electric distribution system for lighting and power, wiring and related work for: mechanical systems, motors, pumps, telephone, cable t.v. rough in, and equipment. Refer to electrical drawings for additional notes and specification

requirements. Where discrepancies exist , those notes will take precedence. 2. Related Work Specified Elsewhere: Excavation, filling and backfilling, mechanical and plumbing. 3. Construction and Workmanship: All work and materials shall comply with the following as minimum standards.

a. The National Electric Code, latest edition

b. The National Electric Manufacturers Association Standards c. The National Electrical Safety Code d. The Insulated Power Cable Engineers Association Standards e. Underwriters Laboratories Incorporated Standards

Conduit to be P.V.C. provide stub only.

4.General Requirements: 4.1 All outlets shall be arounded 4.2 All work shall be concealed 4.3 All grounding shall be in accordance with the National Electric Code.

Wiring devices shall be Leviton, residential grade white, or approved equal.

4.4 Lighting fixtures, equipment, etc., shall be as scheduled or otherwise indicated on the drawinas. 4.5 The Contractor shall guarantee the entire installation (except lamps) for a period of one (1) year from the date of

4.7 Contractor shall furnish lighting fixtures and fans in Contract, as called for on the fixture schedule shown on the

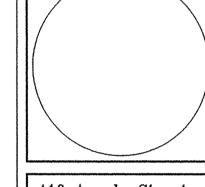
Drawings. In the absence of a fixture schedule, fixtures will be as selected by the Owner and paid by the Owner as a

4.6 Materials and equipment shall comply with the applicable current standards of Underwriters Laboratories Inc.: Panels: Square "D" or equal panels with rain tight enclosure when used outdoors. Romex 12-2 with ground and plastic fiberglass boxes are permitted, unless otherwise specified on the drawings. Feeders to be (2) 1/0 THW W/ (1) THW in 2" conduit.

neartiated extra to the Contract. The Owner reserves the right to furnish fixtures shown for installation in lieu of purchasing them through the Contractor. 4.8 Contractor shall furnish and install approved hard-wired smoke detectors in accordance with the requirements of the building department and fire department having jurisdiction over the project.

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