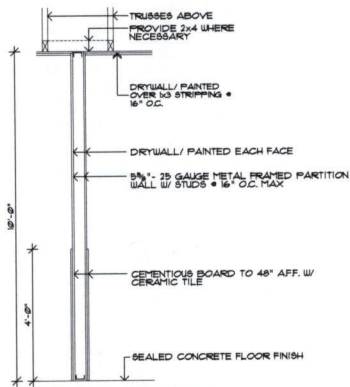
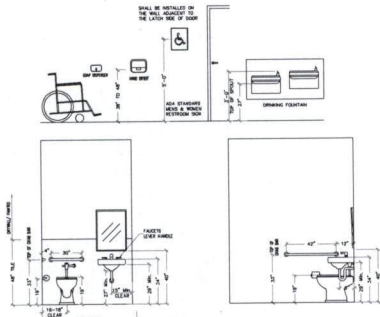


CORAL REEF ADA RESTROOM

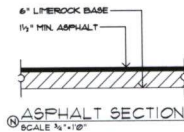
CONSTRUCTION PLANS



TYPICAL INTERIOR WALL SECTION
SCALE 3/4\"/>



TYP. HANDICAP FIXTURES MOUNTING HEIGHTS. 3/8\"/>



ASPHALT SECTION
SCALE 3/4\"/>

GENERAL NOTES

- THIS IS A RENOVATION OF EXISTING / WHERE EXISTING CONCEALED CONDITIONS MAY EXIST / ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING W/ THE WORK.
- ALL WORK IS TO COMPLY W/ ALL APPLICABLE CODES INCLUDING 2014 FLA. BLDG. CODE EXIST.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD DETERMINE AREAS TO BE CUT-OUT FROM THE EXISTING WALLS & CEILINGS TO THEN PATCH & PAINT TO ACCOMMODATE FOR NEW MECHANICAL, ELECTRICAL, & PLUMBING.

SCOPE OF NEW WORK

NEW MEN'S & WOMEN'S RESTROOMS - 201 SQ. FT.

NEW WORK LEGEND

- PROVIDE NEW CONCRETE BLOCK WALL CONSTRUCTION / CONCRETE FOUNDATION & SLAB / W/ PRE-FAB WOOD ROUGH FLOOR STRUCTURE / (SEE STRUCTURAL SHEETS)
- INSTALL NEW CONCRETE SLAB (SEE STRUCTURAL SHEETS)
- PROVIDE NEW 5/8\"/>
- PROVIDE SEALED CONCRETE FLOOR FINISH
- INSTALL NEW SINKS & FAUCETS / OWNER SUPPLIED / W/ HOT & COLD VALVES
- INSTALL NEW TOILET
- PROVIDE NEW 42\"/>
- PROVIDE NEW 30\"/>
- INSTALL NEW ELECTRICAL PANEL (SEE ELECTRICAL SHEETS)
- INSTALL NEW H-I-LO ADA DRINKING FOUNTAIN
- INSTALL NEW 3/4\"/>
- INSTALL NEW STEEL COLUMN WRAPPED W/ 8\"/>
- PROVIDE NEW ASPHALT THIS AREA (SEE SITE PLAN & SEE DETAIL THIS SHEET)
- PROVIDE NEW R-30 INSULATION IN CEILING
- INSTALL NEW 24\"/>
- EXPOSED CONCRETE BLOCK FINISH (3 WALLS)
- CONTRACTOR IS TO PROVIDE AN ENCLOSURE FOR THE 8 SOLAR BATTERIES & DC-AC INVERTER / PROVIDE STEEL BRACKET SYSTEM & SOLID STEEL PANEL ENCLOSURE W/ KEYS LOCK ACCESS PANELS (SHOP DUGS ARE TO BE PROVIDED FOR OWNER / ARCHITECT REVIEW / APPROVAL)
- PROVIDE NEW 22 1/2\"/>
- PROVIDE NEW SOLAR PANELS (SEE ELECTRICAL & PLUMBING SHEETS)

RESTROOM FINISHES

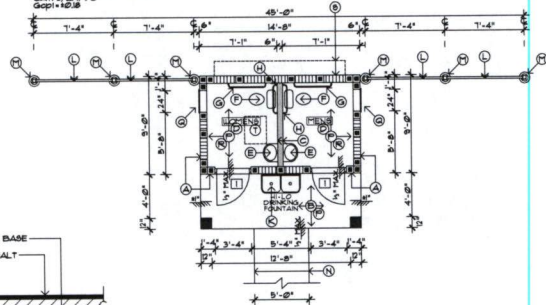
Walls and partitions within 3 feet of service sinks, urinals and water closets shall have a smooth, hard, nonabsorbent surface, to a height of not less than 4 feet above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture. (i.e. epoxy paint) per PEC 1205.2

NEW DOOR SCHEDULE

- PROVIDE NEW 2 1/2\"/>

WIND LOADING

AS PER ASCE 7-10, ITS HPFH, CAT. 3, EXPOS. C
SDF=14.0 PSF



NEW WORK PLAN
SCALE 1/4\"/>

NOTE: THE CONTRACTOR IS TO PAINT THROUGH THE INTERIOR & EXTERIOR OF ALL EXPOSED WOOD, BRUCCO, LATHWORK SURFACES / PAINT COLOR & PER. IS TO BE COORDINATED W/ OWNER

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LCK/AIA INC. 06 1998
CALIF. STATE NO. A42002450

DATE: 23 SEP 2017

CORAL REEF PARK / NEW RESTROOMS
1995 SW B2 STREET
PALMETTO BAY, FLORIDA

A-1

NEW WORK LEGEND

- (A) PROVIDE NEW CONCRETE BLOCK WALL CONSTRUCTION/ CONCRETE FOUNDATION & SLAB/ W/ PRE-FAB WOOD TRUSS ROOF STRUCTURE (SEE STRUCTURAL SHEETS)
- (B) INSTALL NEW CONCRETE SLAB (SEE STRUCTURAL SHEETS)
- (C) PROVIDE NEW 1/2" x 1/2" GAUGE METAL FRAMED PARTITION W/ CEMENTIOUS BOARD TO 48" AFF. W/ CERAMIC TILE/ CRITICAL FINISHES & PAINTED ABOVE W/ BASE EACH FACE
- (D) PROVIDE SEALED CONCRETE FLOOR FINISH
- (E) INSTALL NEW SINKS & FAUCETS (OWNER SUPPLIED) W/ HOT & COLD VALVES
- (F) INSTALL NEW TOILET
- (G) PROVIDE NEW 42" (ADA COMPLIANT) GRABBAR
- (H) PROVIDE NEW 36" (ADA COMPLIANT) GRABBAR
- (I) INSTALL NEW ELECTRICAL PANEL (SEE ELECTRICAL SHEETS)
- (J) INSTALL NEW HI-LO ADA DRINKING FOUNTAIN
- (K) INSTALL NEW 36" HIGH ALUMINUM PICKET RAILING (CONTRACTOR TO SUBMIT SHOP DUGS FOR OWNER/ ARCHITECT REVIEW & APPROVAL) COLOR TO BE DETERMINED BY OWNER
- (L) INSTALL NEW STEEL COLUMN WRAPPED W/ 8" KEYSTONE/ INSTALL WOOD TRELLIS (SEE ELEVATIONS & STRUCTURAL SHEETS)
- (M) PROVIDE NEW ASPHALT THIS AREA (SEE SITE PLAN & SEE DETAIL THIS SHEET)
- (N) PROVIDE NEW R-30 INSULATION IN CEILING
- (O) INSTALL NEW 24"x36" LOUVRE (SEE MECHANICAL SHEETS)
- (P) EXPOSED CONCRETE BLOCK FINISH (3 WALLS)
- (Q) CONTRACTOR IS TO PROVIDE AN ENCLOSURE FOR THE 8 SOLAR BATTERIES & DC-AC INVERTER/ PROVIDE STEEL BRACKET SYSTEM & SOLID STEEL PANEL ENCLOSURE W/ KEYS DOOR ACCESS PANELS (SHOP DUGS ARE TO BE PROVIDED FOR OWNER/ ARCHITECT REVIEW/ APPROVAL)
- (R) PROVIDE NEW 1/2"x1/2" ATIC ACCESS PANEL (BETWEEN TRUSSES) W/ CODE APPROVED LATCH MECHANISM
- (S) PROVIDE NEW SOLAR PANELS (SEE ELECTRICAL & PLUMBING SHEETS)

RESTROOM FINISHES

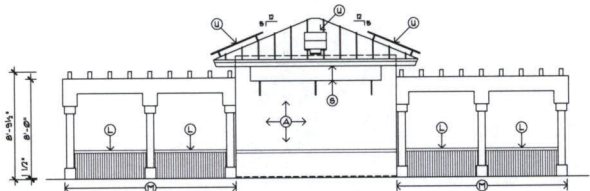
Walls and partitions within 2 feet of service sinks, urinals and water closets shall have a smooth hard, nonabsorbent surface to a height of not less than 4 feet above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture. (See epoxy paint) per spec 28.0.

NEW DOOR SCHEDULE

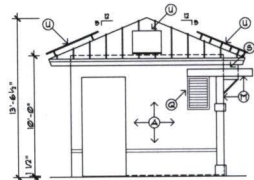
- (1) PROVIDE NEW 3'0" x 7'0" HOLLOW METAL FULL LOUVERED DOOR, FRAME & HARDWARE (IMPACT RESISTANT) W/ NICE LATCH TO LOCK KEPT OUTSIDE

WIND LOADING

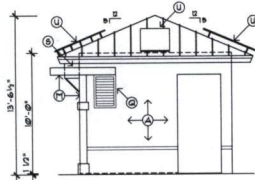
AS PER ASCE 7-10, ITS APP. CAT. 2, EXP. C
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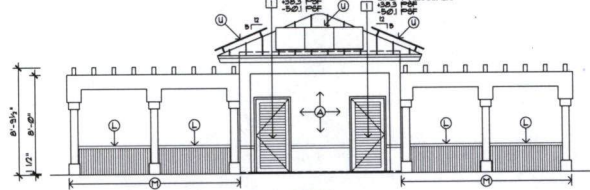
NEW WORK REAR (WEST) ELEVATION
 SCALE 1/4"=1'-0"



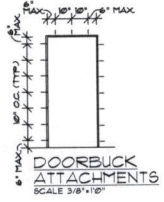
NEW WORK LEFT SIDE (SOUTH) ELEVATION
 SCALE 1/4"=1'-0"



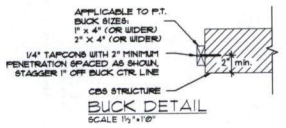
NEW WORK RIGHT SIDE (NORTH) ELEVATION
 SCALE 1/4"=1'-0"



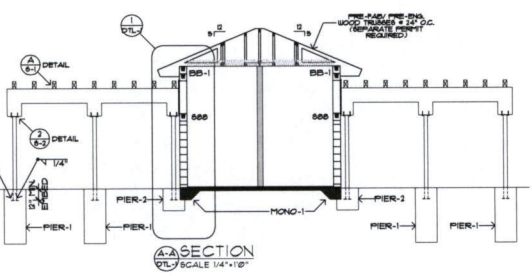
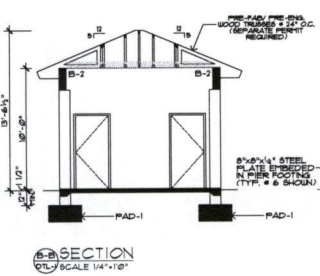
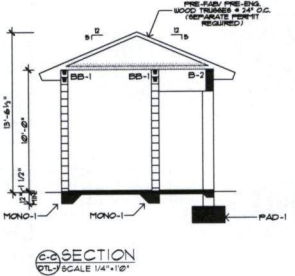
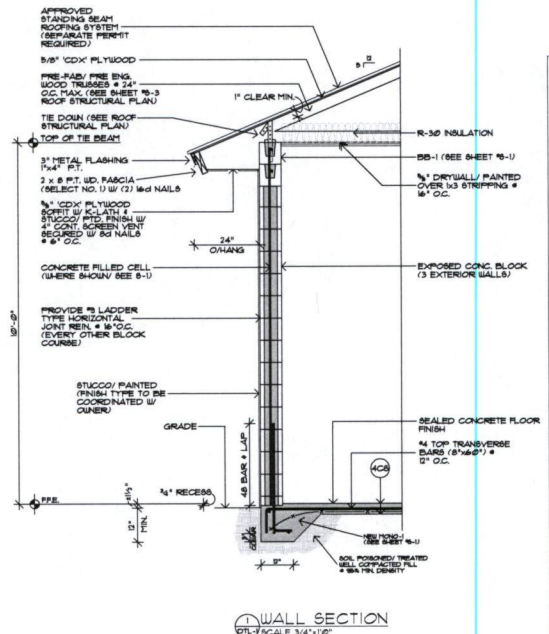
NEW WORK FRONT (EAST) ELEVATION
 SCALE 1/4"=1'-0"



DOORBUCK ATTACHMENTS
 SCALE 3/8"=1'-0"



GCB STRUCTURE BUCK DETAIL
 SCALE 1/2"=1'-0"



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 LCK/AIA, Inc. is an Equal Opportunity Employer
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DATE: 23 SEP 2011

CORAL REEF PARK/ NEW RESTROOMS
 1895 SW 192 STREET
 PALM BEACH, FLORIDA

DTL-1

ANCHORING SCHEDULE					
MARK	SUPPLIER / PRODUCT	UPLIFT CAP.	GRAVITY CAP.	FASTENERS	PRODUCT APPROVAL
◇	SIMPSON HHEA20 TRUSS ANCHOR	1,925 LB	—	9-10d X 1 1/2" NAILS PER TRUSS	FL 11473

NOTE: CONTRACTOR MAY NOT SUBSTITUTE ANCHORS OR FASTENERS WITHOUT WRITTEN PERMISSION FROM ENGINEER OF RECORD.

ROOF REACTIONS			ROOF TRUSS LOADING	
MARK	REACTIONS (LBS)	ANCHOR TYPE	GRAVITY	WIND
①	1,997	1,444	◇	◇
②	1,155	1,036	◇	◇
③	475	385	◇	◇
④	1,069	495	◇	◇

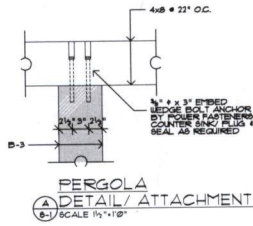
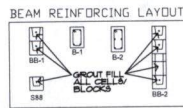
TRUSS DESIGNER NOTES:
DESIGNER MAY OVERSTRESS WOOD MEMBERS FOR WIND LOADS BUT MAY NOT OVERSTRESS TRUSS METAL PLATES.
DESIGNER TO DESIGN TRUSSES TO RESIST 200 LB POINT LOAD AT BOTTOM CHORD PANEL POINTS.
UPLIFT: AS PER ASCE 7-10, 17.3 WIND, RISK CATEGORY 2, EXP. C, GCPI = 4/-0.18

BEAM SCHEDULE				
MARK	SIZE	REINFORCEMENT	STRUTS	T.O.R. ELEVATIONS
BB-1 (WOOD BEAM)	8" X 16"	11#5 @ 12" O.C.	—	+10.00'
BB-2 (WOOD BEAM)	8" X 16"	11#5 @ 12" O.C.	—	+10.00'
B-1	4" X 8" (SCHEDULED COLUMN)	11#5 @ 12" O.C.	#1 @ 4" O.C.	+10.00'
B-2	4" X 8" (SCHEDULED COLUMN)	11#5 @ 12" O.C.	#1 @ 12" O.C.	+10.00'
SMB	4" X 8"	11#5 @ 12" O.C.	#1 @ 12" O.C.	+10.00'

NOTES:
— PLACE REINFORCEMENT AS PER TABLE.
— PROVIDE CORNER BRACE AS SPECIFIED ON SHEET #504.
— TOP BEAM REINFORCING DETAIL SPECIFIED ON SHEET #513.

ROOF SHEATHING
5/8" CD-X PLYWOOD FASTENED W/ 10d 1 1/2" LONG COMMON NAILS FASTENED AT 4" O.C. AT GABLE ENDS AND DIAPHRAGM BOUNDARIES AND AT 8" O.C. AT BLOCKING MEMBERS AND REMAINDER.

ROOF TRUSS LEGEND
SPACED 24" ON CENTER
BLOCKING @ 10" O.C. W/ 2x4 NAILS



TERMINAL NOTES:
PRIOR TO PLACEMENT OF CONCRETE, THE FILL MADE UP OF THE FOUNDATION SHALL BE TESTED FOR SUPERSTRAINMENT BY A LICENSED TEST CONTROL COMPANY. UPON COMPLETION OF THE CONCRETE POUR, THE FOUNDATION SHALL BE TESTED FOR SUPERSTRAINMENT BY THE SAME TEST CONTROL COMPANY TO VERIFY THE PRESENCE OF SUPERSTRAINMENT AND THAT THE TESTER IS RE-ACCREDITED WITH A QUALITY AND CONSUMER SERVICE.

SOIL SETTLEMENT:
BASED ON USUAL PRACTICE, THE FOUNDATION HAS BEEN DESIGNED FOR A 200 PSF SOIL BEARING CAPACITY. AT THE TIME THIS JOB IS SPECIFIED, A SITE INSPECTION MUST BE DONE BY THE ENGINEER OR ARCHITECT AT THE TIME THE SITE HAS BEEN OBSERVED & THE FOUNDATION CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED.

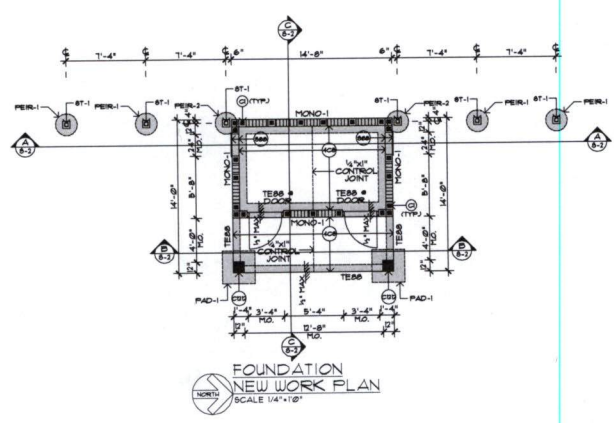
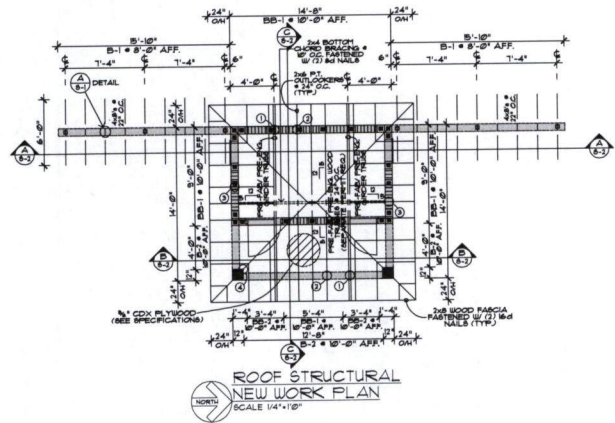
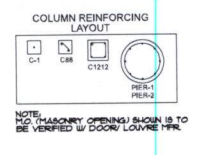
- BASE ON USUAL CONSTRUCTION PRACTICES:
1. MINIMUM 4" CONCRETE SLAB ON GRADE REINFORCED WITH #4 @ 18" O.C. PER ALL DIRECTIONS. MINIMUM 1" CLEARANCE TO ALL FORMWORK.
 2. SOIL BORE TO BE PERFORMED, REPORTED, APPROVED AND CORRECTED BY SOIL ANALYST (SEE PERMITS).
 3. FILL SHALL BE PLACED IN LIFTS NOT GREATER THAN 12" TO BE COMPACTED TO 95% RELATIVE HUMIDITY. LOWER TOLERANCES FOR MATERIAL CONTROL BY HAND-COMPACTION EQUIPMENT. 5% MOISTURE TOLERANCE. CORRECTED BORE LOG SHALL BE THE RESULT OF P OR R OF THE COMPACTED LAYER TABLES.
 4. SLAB TO BE PLACED OVER 4x8 POLYETHYLENE W/ W/ BARRIER.
 5. ADD 1" CONTROL JOINTS (C.J.) AS SHOWN BY 15 MINUTES OF POUR. JOINTS TO BE TIED TO 12" O.C. C.J.

FOUNDATION SCHEDULE		
MARK	SIZE	REINFORCEMENT
MONO-1	12" X 12" (CONCRETE COLUMN)	12#5 @ 12" O.C. BOTTOM. 12#5 @ 12" O.C. TOP. 12#5 @ 12" O.C. TOP TRANSVERSE BARS. 12#5 @ 12" O.C. TOP TRANSVERSE BARS. 12#5 @ 12" O.C. TOP TRANSVERSE BARS.
PA-1	12" X 12" (CONCRETE PAD)	#4 @ 12" O.C. EACH WAY BOTTOM. #4 @ 12" O.C. EACH WAY TOP.
PER-1	12" X 12" (CONCRETE PIER)	#4 @ 12" O.C. @ 12" O.C.
PER-2	12" X 12" (CONCRETE PIER)	#4 @ 12" O.C. @ 12" O.C.

NOTES:
— 12" O.C. REINFORCEMENT TO BE PLACED IN ALL DIRECTIONS.
— ALL SPACED PER TRUSS, PERIOD, AS PER DIMETER BOLT BARS (MATERIAL SPECIFIED).
— TOP OF ALL FOOTINGS TO BE BELOW GRADE.
— TOP OF ALL PADS TO BE BELOW GRADE.
— TOP OF ALL CONTINUOUS WALL FOOTINGS TO BE 12" BELOW GRADE.

COLUMN SCHEDULE		
MARK	SIZE	REMARKS
C1	12" X 12"	12#5 @ 12" O.C. ALL MASONRY WALLS SHALL BE REINFORCED BY GREATER THAN 12" O.C. (SEE OTHER SHEETS).
S5-1	4" X 8"	ASTM A36 S16 @ 3" O.C. TOP.
C12-1	12" X 12"	12#5 @ 12" O.C. @ 12" O.C.

NOTES:
— VERIFY ALL CONCRETE COLUMN REINFORCEMENT 48 BAR DIA.
— VERIFY VERTICAL REINFORCEMENT 8" AT TOP OF COLUMN.



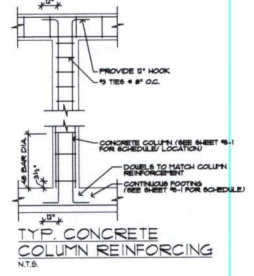
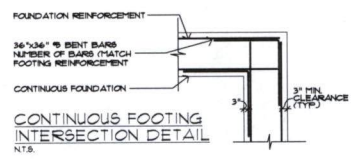
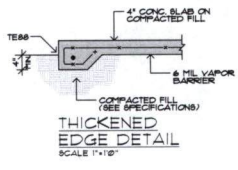
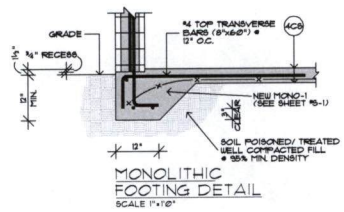
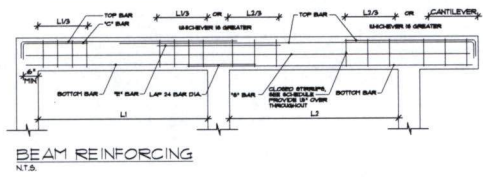
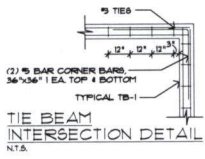
THM
STRUCTURAL CONSULTING
7777 JACOBO DRIVE, SUITE 100
PALM BEACH, FL 33410
PHONE: 561-833-1111
FAX: 561-833-1112

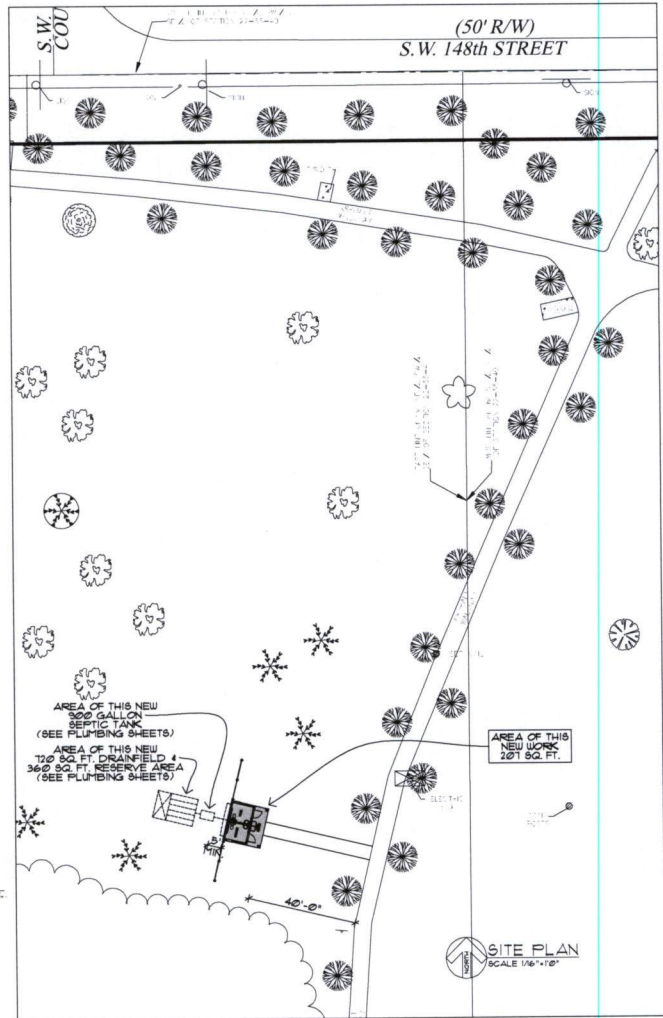
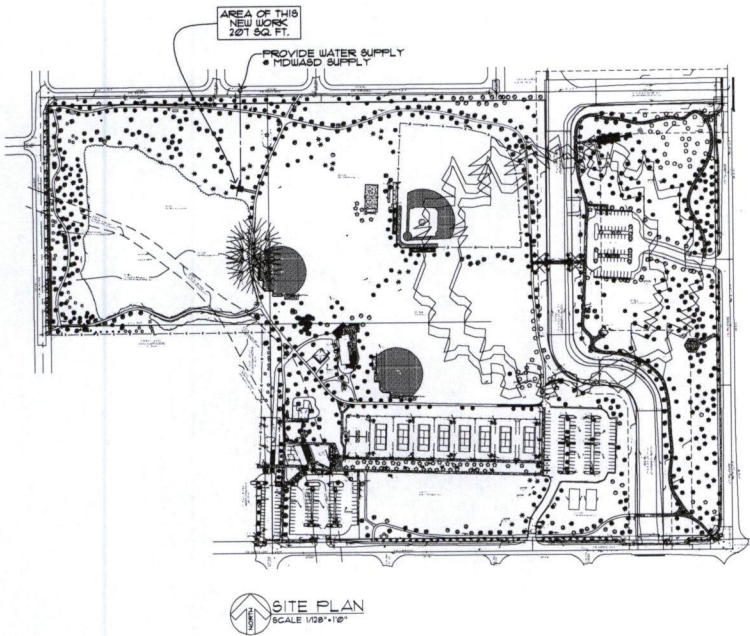
DATE: 22 SEP 2017

CORAL REEF PARK/ NEW RESTROOMS
1098 SW 152 STREET
PALMETTO BEACH, FLORIDA

S-1

LAP LENGTHS FOR TENSION BARS:
 CONCRETE BEAMS
 #4 BAR = 24"
 #5 BAR = 30"
 #6 BAR = 36"
 #7 BAR = 42"



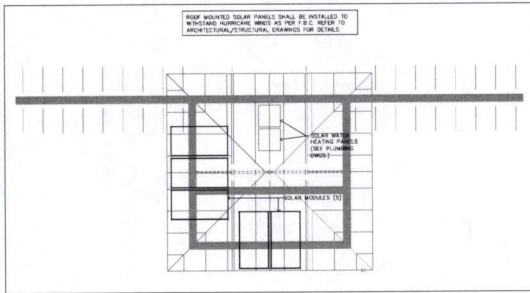


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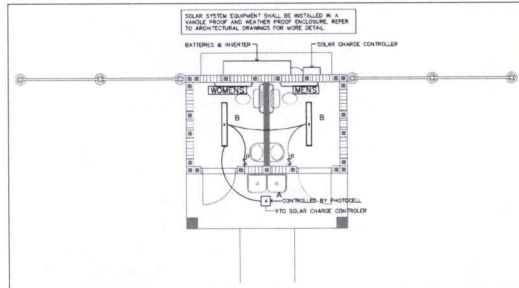
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CORAL REEF PARK/ NEW RESTROOMS
 1895 SW B2 STREET
 PALMETTO BAY, FLORIDA

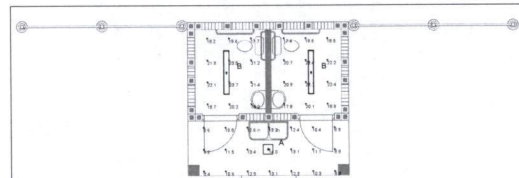
SP - 1



ELECTRICAL ROOF PLAN
SCALE 1/4"=1'-0"



ELECTRICAL PLAN
SCALE 1/4"=1'-0"



PHOTOMETRIC PLAN
SCALE 1/4"=1'-0"

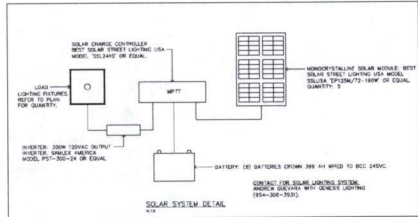
GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC 2011), LOCAL CODES AND ORDINANCES INCLUDING THE 2014 FLORIDA BUILDING CODE (FBC) WITH LATEST SUPPLEMENTS, AMENDMENTS AND ALL ORDINANCES OF JURISDICTION ENFORCEMENT BY THE AGENCIES.
- PRIOR TO BID OR COMMENCEMENT OF WORK, THE CONTRACTOR SHALL REVIEW THE JOB SETS AND EVALUATE ALL EXISTING FIELD CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ARCHITECT BEFORE PROCEEDING WITH THE PURCHASE OR INSTALLATION OF THE EQUIPMENT AND MATERIALS. NO FACILITIES OF FUTURE CONSTRUCTION SHALL BE ACCEPTED.
- THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER PRIOR TO CUTTING OR DRILLING ANY STRUCTURAL SUPPORT MEMBER.
- THE CONTRACTOR SHALL SATISFACTORILY REPAIR/REPLACE ANY EQUIPMENT OR PART OF STRUCTURE DAMAGED AS A RESULT OF WORK PERFORMED. CORRECTED AND FINISHED AREAS SHALL BE RESTORED TO MATCH ADJACENT AREAS.
- ALL CONDUCTORS SHALL BE 90° OR 180° COPPER.
- WIRE-CLOSET RACK COVER SHALL BE USED IN ANY PORTION OF THE INSTALLATION UNLESS WRITTEN CONSENT IS OBTAINED FROM THE OWNER, ARCHITECT AND ENGINEER.
- ALL EXPOSED CONDUITS SHALL BE RUN AS NEAT AS POSSIBLE. FULL CONDUIT SHALL BE USED IN SLAB OR UNDERGROUND AT A MINIMUM DEPTH OF 24" INCHES.
- ALL UNDERGROUND CONDUIT INSTALLATIONS SHALL COMPLY WITH NEC SECTION 300.5.
- ALL UNDERGROUND CONDUITS SHALL BE CONVERTED TO LIMIT EXPOSED ABOVE GROUND. ALL UNDERGROUND ELSSES SHALL BE 90° ELSES.
- PROVIDE FULL STRAPS IN ALL CONDUIT CONDUITS.
- ALLOW NO MORE THAN THE EQUIPMENT OF FOUR QUARTER BENDS (90° BENDS TOTAL) BETWEEN ALL PULL POINTS, INCLUDING BOXES AND BOXES AS PER NEC 304.24.
- PROVIDE EXPANSION JOINTS WHERE REQUIRED AS PER NEC 300.10(C).
- ALL WIRING DEVICES SHALL BE LISTED COMMERCIAL GRADE (TYPE QUALITY OR EQUAL) AS APPROVED BY ARCHITECT OR ENGINEER.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH THE ARCHITECTURAL PLANS BEFORE FINAL INSTALLATION OF LIGHT RECEPTACLES, SWITCHES, AND EQUIPMENT FOR EXACT LOCATION.
- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT DIMENSIONS AND LOCATION OF ALL EQUIPMENT WITH OWNER PRIOR TO ROOM INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF ALL ELECTRICAL WIRING DEVICES INCLUDING LUMINAIRES, RECEPTACLES, SWITCHES, CONDUIT WIRING, ETC. WITH OTHER TRADES TO AVOID CONFLICTS.
- ELECTRICAL CONTRACTOR SHALL VERIFY THE DESIGN FINISHES AND SUPPORT SYSTEMS FOR SECTION OF THE PROJECT TRIM AND SUPPORT ARRANGEMENTS OF ALL ELECTRICAL DEVICES.
- PROVIDE ACCESS PANELS AS REQUIRED TO SERVICE ALL ELECTRICAL EQUIPMENT ABOVE CEILING SYSTEMS. COORDINATE WITH ARCHITECT BEFORE ROOM INSTALLATION.
- WHERE APPLICABLE, ALL LUMINAIRES SHALL BE PROPERLY SECURED TO CEILING GRID SYSTEM.
- FLUORESCENT LUMINAIRES THAT HAVE DOUBLE-CIRCUIT LAMPS AND CONTAIN BALLASTS THAT CAN BE SERVICED IN PLACE OR REMOVED (LUMINAIRES) THAT ARE SERVICED FROM WIRE-THEM BRANCH CIRCUITS AND CONTAIN BALLASTS THAT CAN BE SERVICED IN PLACE SHALL HAVE A DISCONNECT MEANS IN ACCORDANCE WITH NEC 410.30(C), WHERE APPLICABLE.
- ALL LUMINAIRES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH THE DESIGN SYSTEM MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.
- ALL LIGHTING CIRCUITS WHICH CONTROL AND/OR OPERATE LIGHTING FIXTURES WITH AN ELECTRIC BALLAST SHALL BE PROVIDED WITH A SEPARATE NEUTRAL WIRE PER EACH PHASE.

- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LIGHT FIXTURE QUANTITIES AND MEASUREMENTS (ELEMENTS ON PLANS PRIOR TO SUBMITTAL OF SHOP DRAWINGS).
- EACH WIRING BRANCH CIRCUIT SHALL BE PROVIDED WITH A MINIMUM ONE (1) WIRE-THEM BRANCH CIRCUIT BREAKER (CB) AND UNGROUNDED CONDUCTORS AT THE PANEL WHERE THE BRANCH CIRCUIT ORIGINATES AS PER NEC 210.4(B).
- ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE APPROVED AS SUCH FOR USE IN THE U.S. BY THE NATIONAL ELECTRICAL CODE (NEC) AND LISTED BY A QUALIFIED TESTING LABORATORY (UL, CSA, ETC.).
- AS PER F.E.C. ENERGY CONSERVATION, CHAPTER A SECTION 405.1.3.1, FLEETS AND CUSTOMER-OWNED SERVICE CONNECTIONS SHALL BE PROVIDED FOR A MINIMUM AREA SIZE OF 3 SQUARE FEET AT DESIGN LOAD REGARDLESS OF SIZE SHOWN ON PLANS OR PANEL SCHEDULES.
- ALL BRANCH CIRCUIT CONDUITS SHALL BE NOTED IN ACCORDANCE WITH NEC 300.15 AND PER A MINIMUM 1/2" DIA. RIGID CONDUIT AT DESIGN LOAD PER F.E.C. ENERGY CONSERVATION, CHAPTER A SECTION 405.1.3.2 REGARDLESS OF SIZE SHOWN ON PLANS OR PANEL SCHEDULES.
- AS PER F.E.C. ENERGY CONSERVATION, CHAPTER A SECTION 405.1.4, WIRING SHALL BE LAYED OUT FOR THE EASY OF SYSTEM ACCEPTANCE. SECOND DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED BY THE GENERAL CONTRACTOR TO THE BUILDING OWNER INCLUDING:
 1. FLOOR PLAN SHOWING LOCATION AND AREA SERVED FOR ALL EQUIPMENT.
 2. AS PER F.E.C. ENERGY CONSERVATION, CHAPTER A SECTION 405.1.4.2, THE GENERAL CONTRACTOR SHALL PROVIDE AND ORGANIZE MANUAL AND MAINTENANCE MANUALS TO THE BUILDING OWNER. MANUALS SHALL INCLUDE: AT A MINIMUM, THE FOLLOWING:
 1. SUBMITTAL DATA SHEET EQUIPMENT RATING AND SELECTED SIZES FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
 2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED FOR THE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
 3. IDENTIFIED MAINTENANCE.
- IF ANY CONFLICT IS ENCOUNTERED WITH THE DESIGN DOCUMENTS, REGARDLESS OF TRADE OR RESPONSIBILITY, THE DECISION SHALL BE MADE FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE PROJECT.

Equipment Schedule	Location	Manufacturer	Quantity	Power/VA	Notes	UTP	Cost Category
1	10	1	1	1000	1000VA	1	1000
2	10	2	2	2000	2000VA	2	2000
3	10	3	3	3000	3000VA	3	3000

Photometric Summary	Category	Units	Foot	Watt	Watt	Footcandle	Watt
Light	General	100	100	100	100	100	100
Light	Emergency	100	100	100	100	100	100
Light	Emergency	100	100	100	100	100	100
Light	Emergency	100	100	100	100	100	100

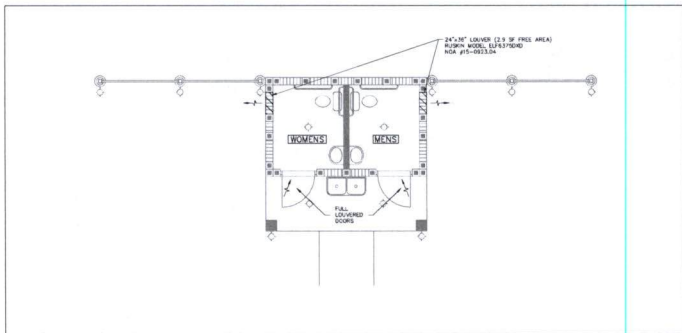


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CORAL REEF PARK / RESTROOMS
PALMETTO BAY, FLORIDA

- HVAC GENERAL NOTES**
- 1.0 GENERAL
 - 1.1 ALL WORK TO BE PERFORMED UNDER THESE DOCUMENTS SHALL CONFORM WITH THE FLORIDA BUILDING CODE AND ALL OTHER APPLICABLE STATE AND LOCAL REGULATIONS AND ORDINANCES.
 - 1.2 ALL WORK SHALL BE PERFORMED BY A LICENSED AND INSURED MECHANICAL CONTRACTOR. IN A FIXED CLASS WORKMANSHIP MANNER, THE COMPLETE SYSTEM SHALL BE FULLY OPERABLE AFTER COMPLETION OF WORK.
 - 1.3 MECHANICAL CONTRACTOR SHALL FURNISH WRITTEN QUANTITIES THAT THE INSTALLED SYSTEM SHALL BE FREE OF MATERIAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE BY THE OWNER.
 - 1.4 MECHANICAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING HIS OWN PERMIT AND BEFORE PROCEEDING WITH FURNISHING OR INSTALLATION OF THE EQUIPMENT AND MATERIALS.
 - 1.5 THE CONTRACTOR SHALL PROVIDE A SET OF PRINTS CLEARLY MARKED TO SHOW ALL-BUILD CONSTRUCTION AS THE COMPLETE OF CONSTRUCTION.
 - 1.6 ALL BUILDING CONSTRUCTION AFFECTED BY THE MECHANICAL RELOCATION OR ADDITION OF AIR FLOW OF EQUIPMENT SHALL BE REFINISHED AND FINISHED AS REQUIRED TO MATCH EXISTING CONDITIONS, OR AS DIRECTED BY THE ARCHITECT/ENGINEER.
 - 1.7 PLUMBING AND ELECTRICAL ARE INDICATED ONLY AND SHALL NOT BE DEEMED CONTRACTOR WORK UNLESS ALL PLUMBING, FIRE PROTECTION AND ELECTRICAL WORK AS SET OUT IS IN ACCORD TO LOCAL OR STATE CODES WITH OTHER WORK PERFORMED UNDER THIS CONSTRUCTION DOCUMENTS.
 - 1.8 FIELD VERIFICATION
 - 2.1 ALL WORK SHALL BE FIELD VERIFIED BEFORE INSTALLATION AND COORDINATED WITH ALL OTHER TRADES.
 - 2.2 WHERE INTERFERENCES OCCUR AND IDENTIFIERS FROM INDICATED DESIGN WILL BE REQUIRED TO AVOIDANCE COLLISIONS OR UNDESIRABLE SIZES AND LOCATIONS OF PIPING, DUCTWORK, ETC. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR THE CHANGE ACCOMPANIED BY A DETAILED DRAWING FOR APPROVAL FROM ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH ANY CHANGE OR IDENTIFIERS FROM CONTRACT DOCUMENTS.
 - 2.3 COORDINATE LOCATIONS OF DOWNERS WITH OTHER TRADES, PARTICULARLY WHERE DOWNERS PENETRATE STRUCTURAL ELEMENTS, PROVIDE ALL NECESSARY SLEEVES BEFORE CONCRETE IS PLACED.
 - 2.4 BEFORE CUTTING THROUGH OPENINGS IN ANY BUILDING COMPONENT, CONTRACTOR SHALL VERIFY TO-DO BY REQUIRED MEANS THAT ITS LOAD BEARING CAPACITY IS NOT COMPROMISED IN ANY MANNER.
 - 3.0 EQUIPMENT
 - 3.1 ALL MECHANICAL EQUIPMENT LOCATED ON THE EXTERIOR OF THE BUILDING SHALL BE CONSIDERED AND INSTALLED TO WITHSTAND WINDBORNE FORCE WINDS FROM ANY DIRECTION AS PER F.B.C.
 - 3.2 MECHANICAL EQUIPMENT SHALL BE INSTALLED AND SUPPORTED FOR MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED FOR EXISTING CODES AND STANDARDS USING SOUND INDUSTRY STANDARD PRACTICES. STRUCTURAL ENGINEER DESIGN AND RECOMMENDATIONS SHALL BE AS FOLLOWS: EXISTING ROOF STRUCTURE OF ALL SUPPORTING STRUCTURES THAT CLEARLY INDICATE SIZES, MATERIAL, DESIGN AND EXISTING WEIGHTS AND HEIGHTS.
 - 3.3 CONTRACTOR SHALL VERIFY THE EQUIPMENT SCHEDULES IS BASED ON MANUFACTURER'S ACTUAL CATALOG. VERIFY THIS INFORMATION WITH MANUFACTURERS PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT. MANUFACTURER'S NAMES SHALL BE INTERPRETTED AS ESTABLISHMENT OF REQUIRED TYPE, CLASS AND QUALITY. ALL SUBSTITUTIONS SHALL BE APPROVED BY THE PROJECT ENGINEER OF THE MECHANICAL SYSTEM. ALL NECESSARY PERMITS TO THE SITES AT THE CONTRACTOR'S EXPENSE SHALL BE OBTAINED.
 - 3.4 EXHAUST VENTS SHALL BE LOCATED 10' MINIMUM DISTANCE FROM ANY OUTSIDE AIR INTAKE.



MECHANICAL PLAN
SCALE 1/4"=1'-0"

VENTILATION CALCULATION

BATHROOM SHALL BE VENTILATED BY MEANS OF NATURAL VENTILATION AS PER 2014 F.B.C.-MECHANICAL SECTION 402.

MINIMUM REQUIRED OPENING AREA TO THE OUTDOORS SHALL BE 4% PERCENT OF THE FLOOR AREA BEING VENTILATED AS PER SECTION 402.2.

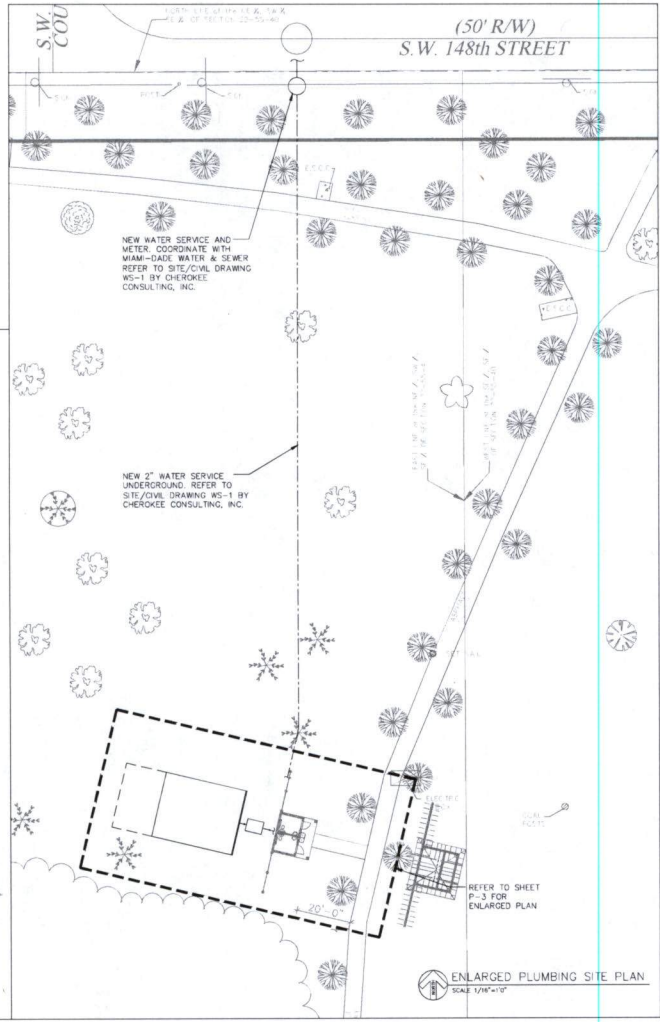
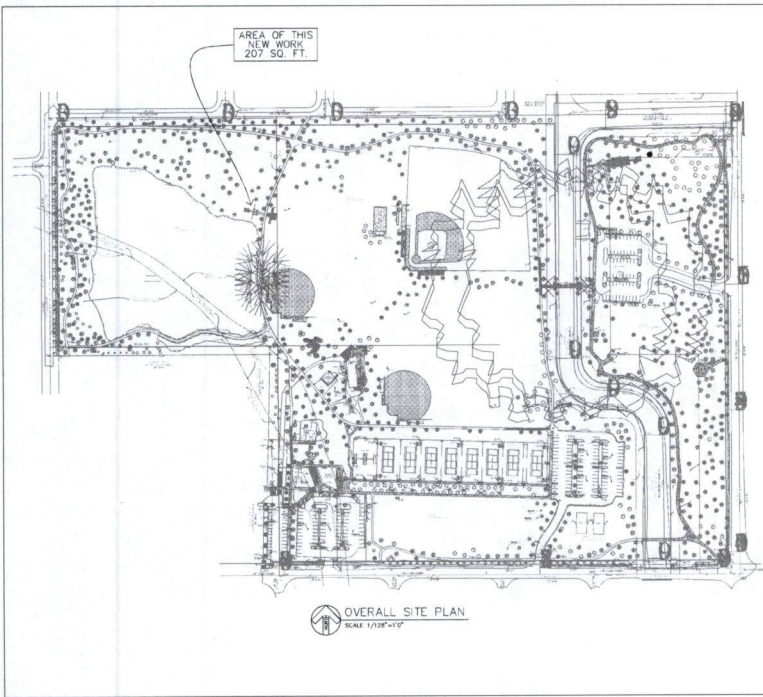
BATHROOM	FLOOR AREA	REQUIRED OPENING PROVIDED
WOMEN'S	60	2.4
MENS	7	0.28



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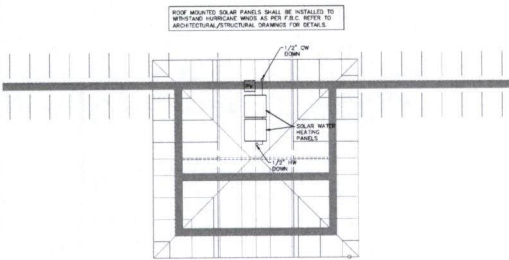
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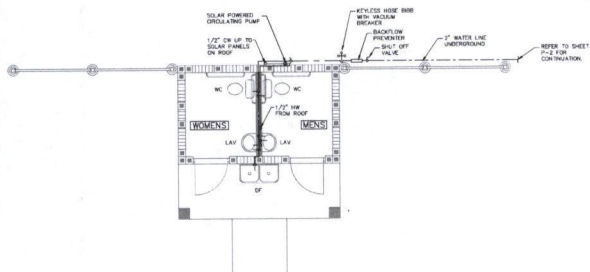
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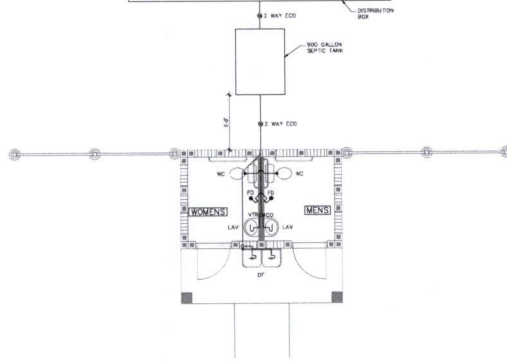
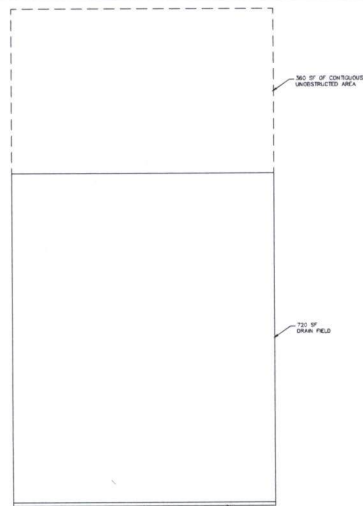
P-2



PLUMBING ROOF PLAN - WATER
SCALE 1/4"=1'-0"



PLUMBING PLAN - WATER
SCALE 1/4"=1'-0"



PLUMBING PLAN - SANITARY
SCALE 1/4"=1'-0"



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P-3

SEPTIC TANK CALCULATION AND NOTES

UNDERGROUND SEWER SYSTEM SHALL COMPLY WITH CHAPTER 64-6, F.A.C. STANDARDS FOR ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

1. THE SEWERAGE SYSTEM IS DESIGNED TO PROVIDE THE FOLLOWING MINIMUM CLEARANCES FOR 1.5" DIA. 40' DEEP TANKS:

1.1. CLEARANCE TO EXISTING OR PROPOSED STRUCTURES	EXCEEDS 10'
1.2. CLEARANCE TO PRIVATE POTABLE WELL	EXCEEDS 100'
1.3. CLEARANCE TO PUBLIC POTABLE WELL SYSTEM	EXCEEDS 200'
1.4. CLEARANCE TO NON-POTABLE WELL	EXCEEDS 10'
1.5. CLEARANCE TO SHOWN SINK PITS	EXCEEDS 5'
1.6. CLEARANCE TO STRUCTURE FOUNDATIONS	EXCEEDS 5'
1.7. CLEARANCE TO NEARBY WATER LINE OF SEWER, WATER, IRRIGATION CANALS AND DRAINAGE STRUCTURES	EXCEEDS 10'
1.8. CLEARANCE TO NEARBY HIGH VOLTAGE LINE OF NEARBY HIGH VOLTAGE LINES	EXCEEDS 10'
1.9. CLEARANCE TO PROPERTY LINE	EXCEEDS 5'

2. CALCULATED SEWAGE FLOW UP TO 1,000 GALLONS PER DAY. REFER TO CALCULATIONS BELOW.

SPACE TYPE	AREA	PERSONS/UNIT	DISCHARGE RATE	GPD
PLUMBING	270	1	4 GPD/PERSON	200

3. THEREFORE SEPTIC TANK MINIMUM EFFECTIVE CAPACITY = 800 GALLONS PER CHAPTER 64-6.09, F.A.C. TABLE 6.

4. SEWERAGE DRAINAGE AREA IS 730 SQUARE FEET (MINIMUM) PER SYSTEM PER SEWERAGE LOADING RATE OF 1.0 GALLON PER SQUARE FOOT PER DAY.

5. MAINTAIN A CONTIGUOUS UNDEVELOPED AREA EQUAL TO SIZE OF THE DRAINAGE AREA AND CONSIDER WITH SEWERAGE TREATMENT.

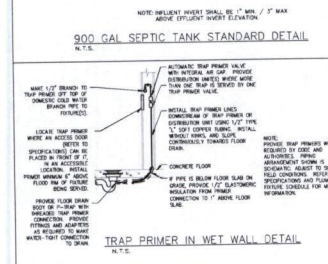
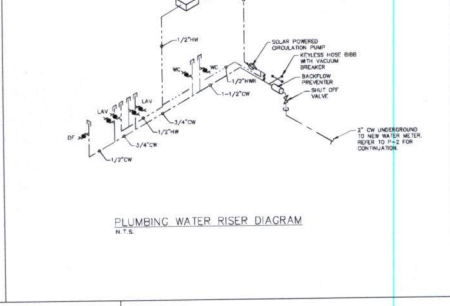
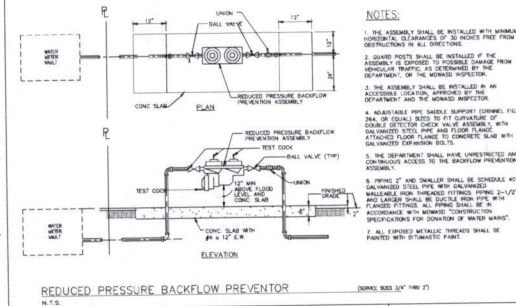
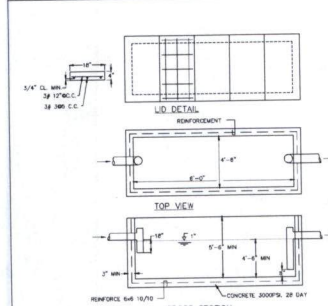
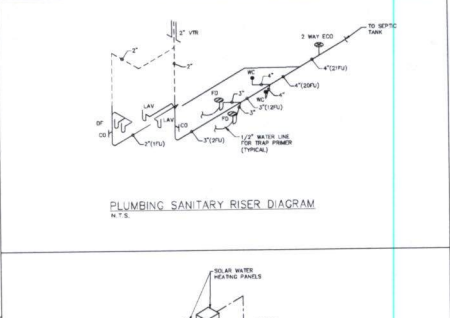
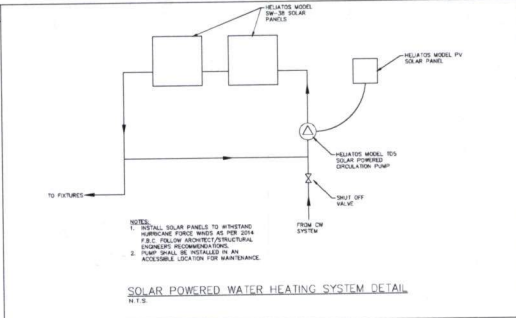
6. SEWERAGE, FOR WHICH TANKS ARE NOT USED, SHALL BE DISPOSED IN AN ACCESSIBLE LOCATION WITHIN 200 FEET OF THE PROPOSED SEWERAGE TREATMENT SYSTEM.

PERMITTING NOTES:

1. THERE ARE NO PERMITTING FEATURES OR ADJUSTMENT PROVISIONS ON ACROSS THE STREET THAT AFFECT THE DESIGN INSTALLATION.

2. THE SEPTIC TANK AND DRAINFIELD ARE NOT WITHIN 100 FEET OF A POTABLE WELL WATER SOURCE.

3. NO PERMITTING FEATURE ON THIS PROPERTY WILL AFFECT ANY OF THE ADJUSTMENT PROVISIONS.



WATER HAMMER ARRESTERS INSTALLATION GUIDE
 N.T.S.

PIPE SIZE	INSTALLATION	INSTALLATION	INSTALLATION
INCH	TYPE	TYPE	TYPE
1/2"	1-11	1-11	1-11
3/4"	12-21	12-21	12-21
1"	22-40	22-40	22-40
1 1/4"	41-113	41-113	41-113
1 1/2"	114-154	114-154	114-154
2"	155-230	155-230	155-230

DO NOT PROVIDE AIR CHAMBERS. PROVIDE WATER HAMMER ARRESTERS BY TRAP UNIT. PREVENT PLUMBING PRODUCTS, WITH THE APPROVED MANUFACTURER'S INSTRUCTIONS.

