

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE RECD SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES. FOR THE ISSUANCE OF CONSTRUCTION PERMITS, THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS, ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING THE ENGINEER. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATIONS ON THE PLANS.

MISC. NOTES

THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.

THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.

AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.

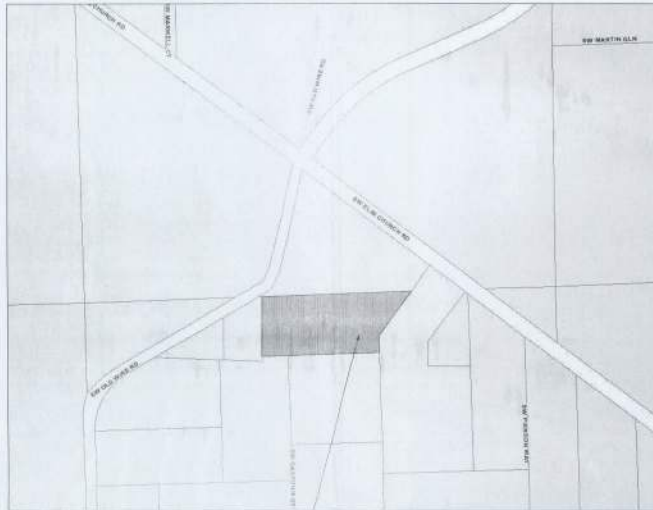
THE OWNER SHALL PAY FOR ALL PERMITS, LICENSES, FEES AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.

THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNERS" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.

ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.

ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.

ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABELS LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.



PROJECT LOCATION

ELIM BAPTIST CHURCH RESTROOM ADDITION

NOTE:
BUILDING USE, CLASSIFICATION, AND OCCUPANCY
SHALL NOT BE AFFECTED BY THE RENOVATIONS OF
THIS PLAN SET.

ABBREVIATIONS

A.B. Anchor Bolt	Fy. Floor	PH. HL. Plumb Height
Abv. Above	Fdn. Foundation	PH. SH. Plant Shelf
A/C Air-Conditioner	F.P. Sys. Floor System	PSF Pounds per square foot
Adj. Adjustable	F.F. Fireproof	P.T. Pressure Treated
A.F. Above Finished Floor	FF. Foot / Feet	PR. Powder Room
A.H.U. Air Handler Unit	Fg. Footing	R. Rafter
A.L. Alternate	FX. Fixture	REF. Refrigerator
B.C. Base Cabinet	Gab. Cabinet	REQ. Required
B.F. Blind Door	G.C. General Contractor	REN. Room
Bk. Sh. Book Shelf	G.F.I. Ground Fault Interrupter	RO. Roof
Bm. Beam	G.T. Gilder Truss	RO. & SH. Rod and Shaft
BT. Bottom	Hdr. Header	SD. Smoke Detector
B.P. Bypass door	Hgt. Height	S.F. Square Ft.
Brg. Bearing	HB. Hose Bibb	SH. Shelves
CC. Crawl	INT. Insulator	SHT. Sheet
Clg. Ceiling	K/Wall. Kneewall	S.L. Siko Lights
Col. Column	K.S. Knee Space	S.P.F. Spruce Pine Fir
Comp. A/C Compressor	Laun. Laundry	Sq. Square
C.T. Ceramic Tile	Laun. Laundry	S.V.P. Southern Yellow Pine
D. Dyer	L.F. Linear Ft.	TEMP. Tempered
Dis. Discontinue	L.T. Laundry Tub	Thk. Thickness
Dis. Dedicated Outlet	Mas. Masonry	T.O.B. Top of Block
DN. Double	Max. Maximum	T.O.M. Top of Masonry
DN. Diameter	M.C. Medicine Cabinet	T.O.P. Top of Plate
Disp. Disposal	M.D.P. Master Distribution Panel	Trns. Transom Window
Dist. Distance	Mfg. Manufacture	Typ. Typical
D.S. Drawer Stack	MICRO. Microwave	UCL. Under Cabinet Lighting
D.V. Dryer Vent	Min. Minimum	U.N.O. Unlabeled Otherwise
D.W. Dishwasher	M.L. Microlum	VB. Varying Base
Ea. Each	MR. Mirror	VERT. Vertical
E.W. Each Way	MONO. Monolithic	V.L. Varying
Elec. Electrical	N.T.S. Not to Scale	VTR. Vent through Roof
Elev. Elevation	OPN. Opening	Washer
Ext. Exterior	OPT. Optional	W. With
Exp. Expansion	PL. Plumb	W.C. Water Closet
F.B.C. Florida Bldg. Code	Podest. Pedestal	W.A. Window Anchor
Fin. Fl. Finished Floor	Panel. Paneling	W. Wood
F.S. Free Uses	P.F. Pounds per linear foot	WP. Water Proof

INDEX OF SHEETS

SHEET	DESCRIPTION
A-1	COVER SHEET
A-2	GENERAL PROJECT NOTES
A-3	FLOOR PLAN
A-4	FOUNDATION AND ELEVATIONS
A-5	ROOF AND DETAILS
A-6	PLUMBING PLAN
A-7	ELECTRICAL PLAN

HVAC LAYOUT, LOAD CALCULATIONS, AND ENERGY CALCULATIONS TO BE PROVIDED BY HVAC CONTRACTOR.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



CERTIFICATE OF AUTHORIZATION
NO. 28022

P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.754.4085



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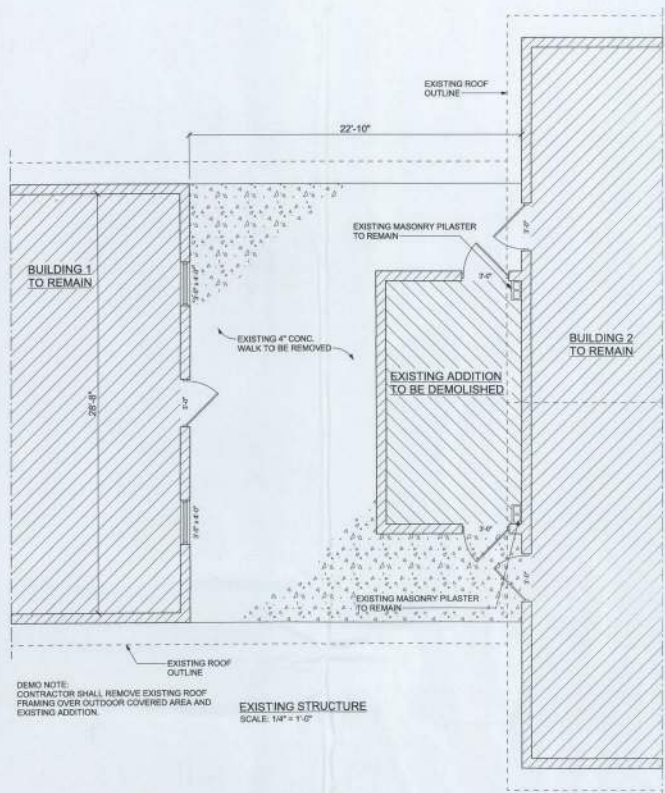
APPROVED BY:
BC

**ELIM BAPTIST CHURCH
RESTROOM ADDITION**

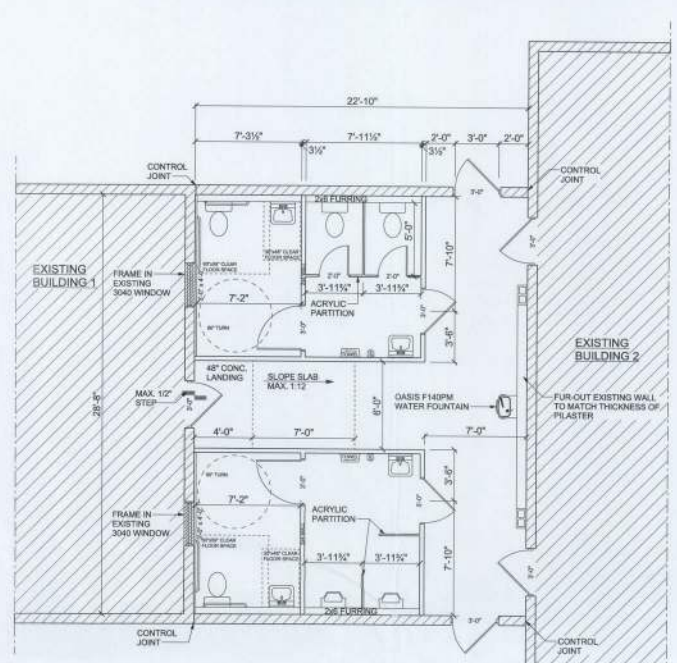
COVER SHEET

CES PROJECT NO.:
2014-009

SHEET:
A-1



DEMO NOTE:
CONTRACTOR SHALL REMOVE EXISTING ROOF FRAMING OVER OUTDOOR COVERED AREA AND EXISTING ADDITION.

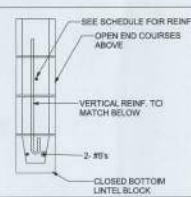


WALL LEGEND

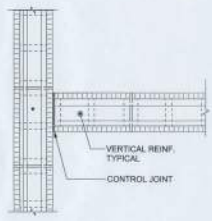
- ACRYLIC PARTITION
- 2x4 STUD WALL W/ DRYWALL BOTH SIDES
- 8\"/>

CMU Lintel Schedule

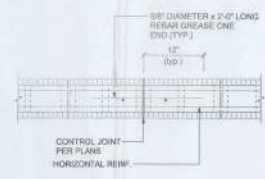
OPENING	LINTEL DEPTH 8\"/>
4'-0\"/>	
over 4'-0\"/>	
over 7'-4\"/>	
over 11'-4\"/>	
over 14'-0\"/>	



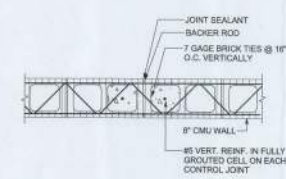
- For openings 6'-0\"/>
- For openings larger than 6'-0\"/>
- Extend horizontal reinforcement min. 18\"/>
- Extend vertical reinforcement full height of wall each side of opening.
- Circle all all reinforcement solid with 3,000 psi grout.
- Circle lintel solid to depth indicated on schedule unless otherwise on the drawings.
- Show all cmu lintel during construction for 48 hours after grout has been placed.



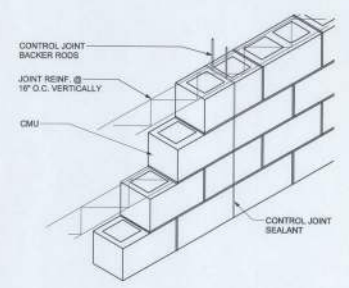
CONTROL JOINT AT INTERSECTION
SCALE: 3/4\"/>



BOND BEAM AT CONTROL JOINT
SCALE: 3/4\"/>



CONTROL JOINT PLAN
SCALE: 3/4\"/>



CONTROL JOINT LOCATION
NTS

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



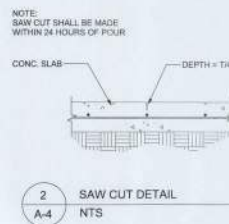
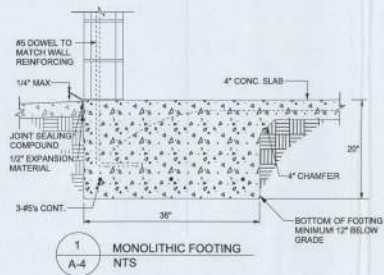
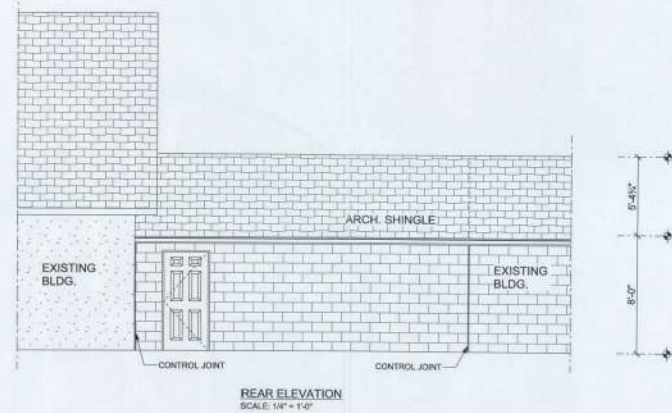
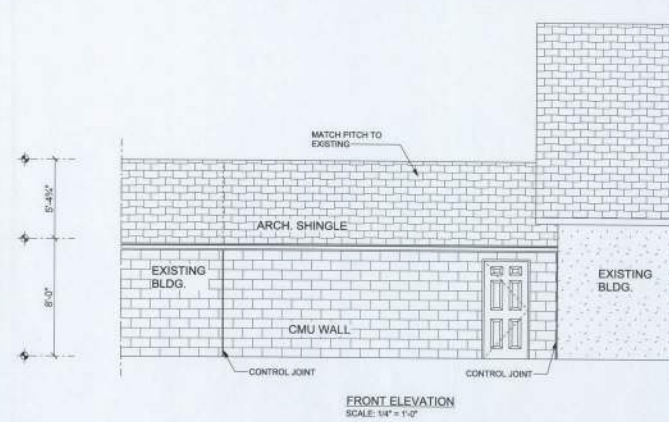
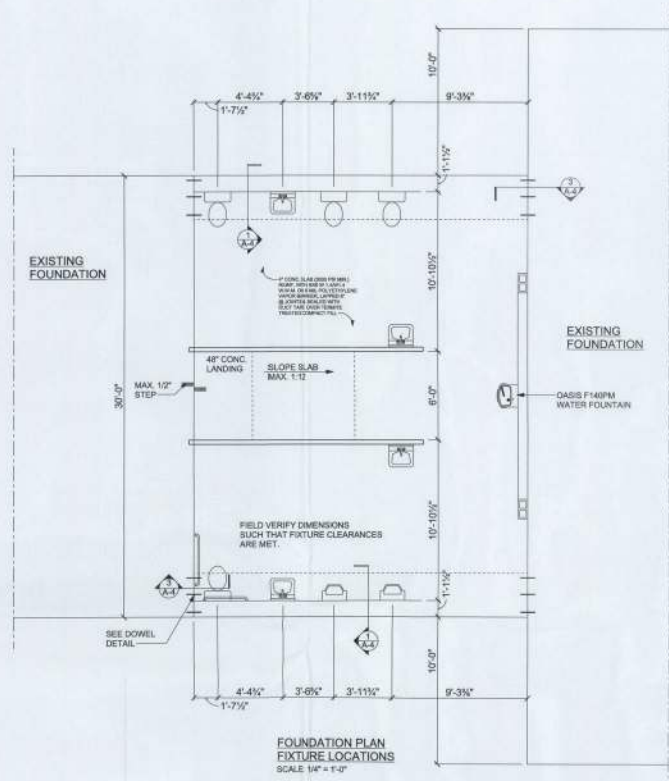
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APPROVED BY: BC

ELIM BAPTIST CHURCH RESTROOM ADDITION
FLOOR LAYOUT

CES PROJECT NO.: 2014-009
SHEET: A-3



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



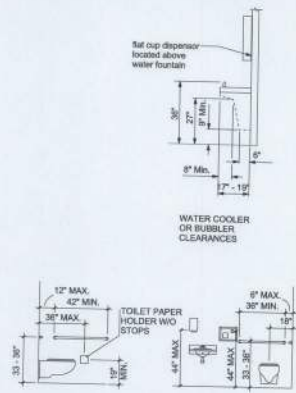
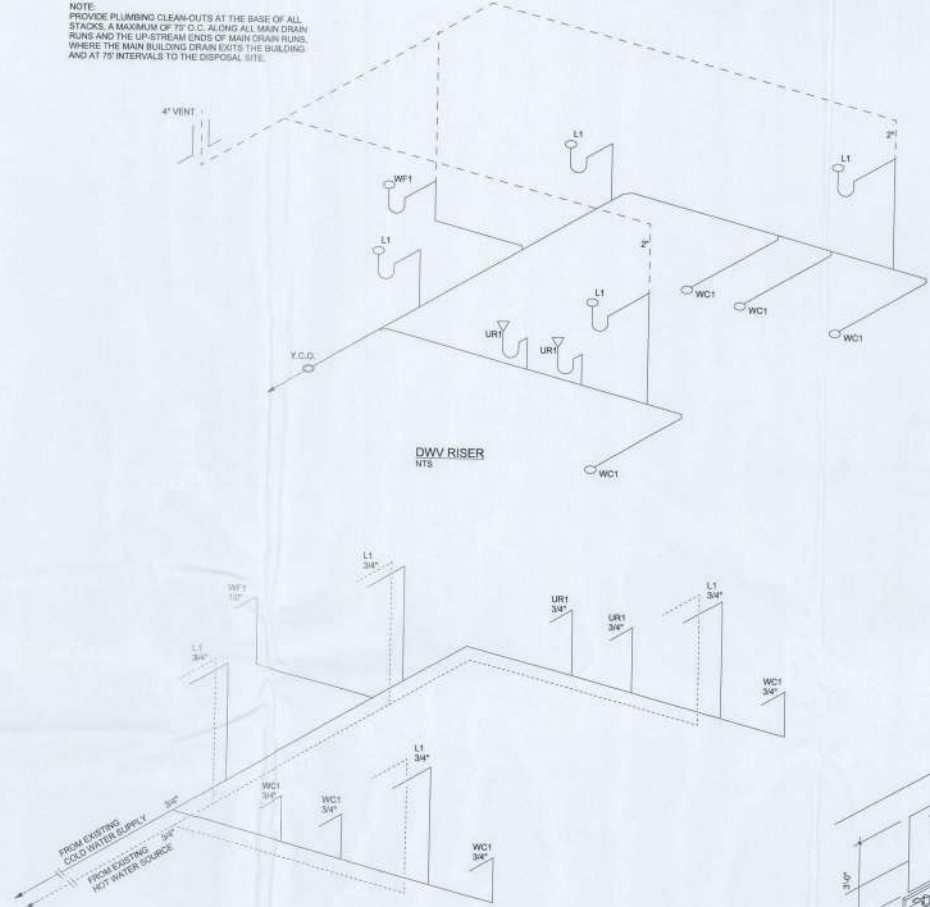
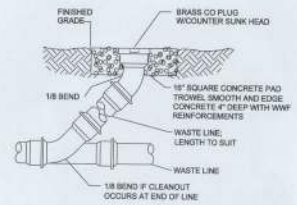
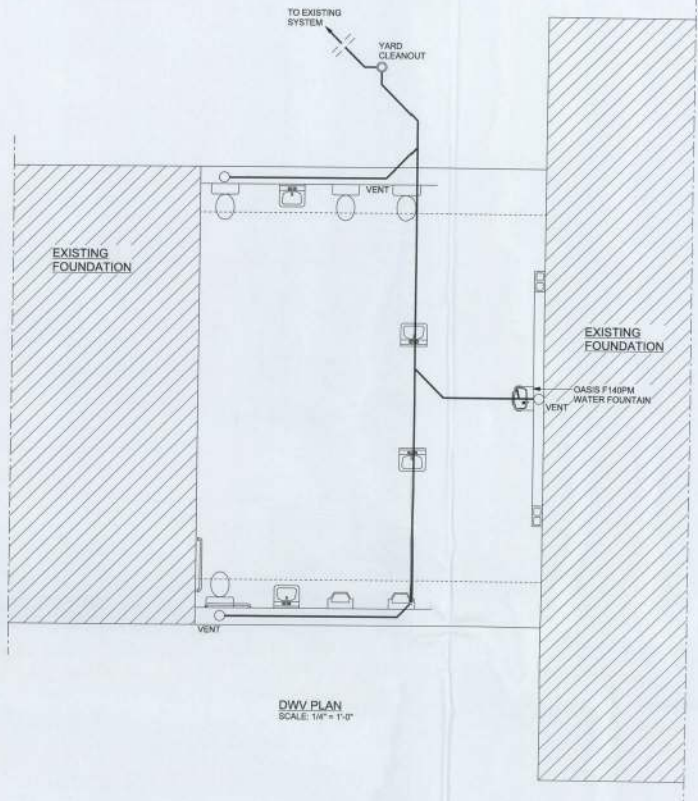
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 APPROVED BY: **BC**

ELIM BAPTIST CHURCH RESTROOM ADDITION
FOUNDATION AND ELEVATIONS
 CES PROJECT NO.: 2014-009
 SHEET: **A-4**

NOTE:
 PROVIDE PLUMBING CLEAN-OUTS AT THE BASE OF ALL STACKS, A MAXIMUM OF 75' O.C. ALONG ALL MAIN DRAIN RUNS AND THE UP-STREAM ENDS OF MAIN DRAIN RUNS, WHERE THE MAIN BUILDING DRAIN EXITS THE BUILDING AND AT 75' INTERVALS TO THE DISPOSAL SITE.



NOTE:
 FLORIDA LAW, SECTION 563.04(5), F.S., STIPULATES THAT "... REQUIRED BATHING ROOMS AND TOILET ROOMS IN NEW CONSTRUCTION SHALL BE DESIGNED AND CONSTRUCTED... WITH AN ACCESSIBLE LAVATORY IN THE WHEELCHAIR ACCESSIBLE COMPARTMENT AND THE WATER CLOSET LOCATED IN A CORNER DIAGONAL TO THE DOOR. THE ADA STANDARDS FOR ACCESSIBLE DESIGN AND THEREFORE THIS CODE REQUIRE WHEELCHAIR ACCESSIBLE COMPARTMENTS IN NEW CONSTRUCTION AND IN ALTERATIONS OF EXISTING BUILDINGS TO HAVE SELF CLOSING DOORS.

ADA CLEARANCE REQUIREMENTS
 NTS

REVISIONS					
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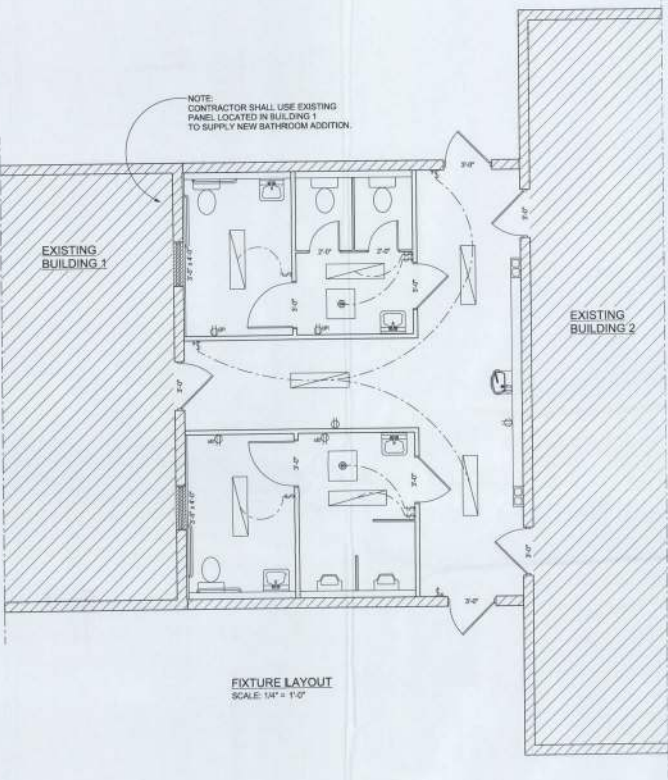
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**ELIM BAPTIST CHURCH
 RESTROOM ADDITION**
 PLUMBING PLAN

CES PROJECT NO.
 2014-01
 SHEET
 A-6



ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
[Symbol]	RECEPTACLE
[Symbol]	SWITCH
[Symbol]	OUTLET
[Symbol]	WATER HEATER
[Symbol]	WELL PUMP
[Symbol]	SEWAGE PUMP

WIRING NOTES:

WIRING, DISTRIBUTION EQUIPMENT AND DEVICES
 A. CONDUCTORS COPPER IN ACCORDANCE WITH ASTM STANDARDS, SIZE REFERENCE AWG. CONDUCTORS NO. 10 AND SMALLER SIZE SOLID, NO. 8 AND LARGER, STRANDED. INSULATION OF CONDUCTOR THERMOPLASTIC, TYPE THHN (MIN. SIZE NO. 12) ANY WIRE INSTALLED OUTSIDE, UNDERGROUND, IN SLABS OR EXPOSED TO MOISTURE SHALL HAVE THHN INSULATION.
 B. RACEWAYS: RIGID STEEL CONDUIT, FULL WEIGHT PIPE GALVANIZED, THREADED, AND MINIMUM 1/2" INCH EXCEPT AS NOTED OR REQUIRED FOR WIRING. ELECTRICAL METALLIC TUBING (EMT), THIN WALL PIPE, GALVANIZED, THREADED, COMPRESSION FITTINGS, AND MINIM 1/2" SIZE EXCEPT AS NOTED OR REQUIRED FOR WIRING. FLEXIBLE STEEL CONDUIT, CONTINUOUS SINGLE STRIP, GALVANIZED, AND MINIMUM 1/2" SIZE EXCEPT AS NOTED OR REQUIRED FOR WIRING. PVC CONDUIT, HEAVY DUTY TYPE, SIZE AS INDICATED. SEPARATE RACEWAYS SHALL BE USED FOR EACH VOLTAGE SYSTEM.
 C. DISCONNECT SWITCHES: GENERAL DUTY, HORSEPOWER RATED FOR MOTOR LOADS 250 VOLT RATING, FUSED OR NON-FUSED AS NOTED, NUMBER OF POLES AS INDICATED, ENCLOSURE NEMA 1 FOR INDOOR USE AND NEMA 3R FOR WEATHERPROOF APPLICATIONS. SWITCH TO BE SQUARE "D" OR EQUAL.
 D. CIRCUIT BREAKERS: MOLDED CASE, THERMAL-MAGNETIC, QUICK MAKE, QUICK BREAK, BOLT-ON TYPE WITH MANUALLY OPERATED INSULATED TRIP-FREE HANDLE. MULTIPOLE TYPES WITH INTERNAL COMMON TRIP BAR, TERMINALS SUITABLE FOR COPPER OR ALUMINUM CONDUCTORS. INTERRUPTING CAPACITY MINIMUM 10,000 RMS SYMMETRICAL AMPERES CIRCUIT BREAKERS TO BE SQUARE "D", SIEMENS OR EQUAL, TYPE AS REQUIRED.
 E. PANEL BOARDS: VOLTAGE, PHASING, AND AMPERE RATINGS AS INDICATED, CIRCUIT BREAKER TYPE AS INDICATED, BUS BARS OF HARD DRAWN COPPER, MINIMUM 90% CONDUCTIVITY, GALVANIZED STEEL BACK BOX, DOOR AND TRIM, ALL CORNERS LAPPED AND WELDED, HARDWARE CHROME PLATED WITH FLUSH LOCK AND CATCH, HINGES SEMI-CONCEALED, 3/16" KNUCKLES STEEL WITH NON-FERROUS PINS, 180 DEGREE OPENINGS, MINIMUM GUTTER SPACE 5-3/4" SIDES, TOP AND BOTTOM. INCREASE SIZE WHERE REQUIRED BY CODE. DIRECTORY HOLDER COMPLETE WITH CLEAR PLASTIC TRANSPARENT COVER INDICATING TYPED LIST OF FEEDER CABLES, CONDUIT SIZES, CIRCUIT NUMBER, OUTLETS OF EQUIPMENT SUPPLIED, AND THEIR LOCATION, CIRCUIT BREAKER TYPE, PANEL BOARD TO BE SQUARE "D", TYPE NO. 00 OR L-N-E, OR EQUAL. A PLASTIC LABEL SHALL BE LOCATED ON EXTERIOR OF PANEL BOARD IDENTIFYING THE SYSTEM VOLTAGE, PHASE, AND CURRENT RATING.
 F. WIRING DEVICES: ALL DEVICES THEIR PRODUCT OF THE SAME MANUFACTURER, WALL SWITCHES AND RECEPTACLES TO BE 20 AMP, 125 VOLT, UNLESS NOTED OTHERWISE, 125 OR TO BE SELECTED BY ARCHITECT.
 G. DEVICE PLATES: PROVIDE FOR ALL OUTLETS WHERE DEVICES ARE INSTALLED PROVIDE ENGRAVED MARKING FOR SPECIAL OUTLETS (WHERE NOTED). PROVIDE BLANK PLATES FOR EMPTY OR FUTURE OUTLET BOXES. DEVICE AND DEVICE PLATE COLORS TO BE VERIFIED WITH ARCHITECT AND OWNER.
GROUNDING SYSTEM:
 A. EQUIPMENT: GROUND NON-CURRENT CARRYING METAL PARTS OF PANEL BOARD, RACEWAYS AND ALL LIGHTING FIXTURES. ALL CONDUIT SHALL HAVE EQUIPMENT GROUNDING CONDUCTORS.
INSTALLATION:
 A. SECURE ALL SUPPORTS TO BUILDING STRUCTURE AS SPECIFIED UNDER RACEWAYS. SUPPORT HORIZONTAL RUNS OF METALLIC CONDUIT NOT MORE THAN 10 FEET APART. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
 B. PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES, OR APPLIANCES. EXPECT CROSSING WHERE THE RACEWAY SHALL BE AT LEAST 2 INCHES FROM PIPE COVER.
 C. CUT CONDUIT ENDS SQUARE, REAM SMOOTH. PAINT MALE THREADS OF FIELD THREADED CONDUIT WITH GRAPHITE BASED PIP COMPOUND. DRAW UP TIGHT WITH CONDUIT COUPLINGS.
 D. LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. IN RACEWAY OVER 50 FEET IN WHICH WIRING IS NOT INSTALLED, FURNISH PULL WIRE.
 E. VERIFY LOCATIONS OF OUTLETS AND SWITCHES.
 F. SUPPORT PANEL, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUITS.
 G. CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BASES WITH FLEXIBLE CONDUIT. MINIMUM 18 INCHES IN LENGTH AND 50% SLACK. DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.
 H. THIS CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL DISTRIBUTION SYSTEM AS REQUIRED: 120/208 VOLT, 1 PHASE, 100 AMP. FOR NEW CONSTRUCTION, ALL TEMPORARY WORK SHALL BE INSTALLED IN A NEAT AND SAFE MANNER.
 I. CONTRACTOR TO REMOVE AND SALVAGE ALL ABANDONED ELECTRICAL EQUIPMENT.
 J. THIS CONTRACTOR SHALL WARRANT ALL LABOR AND MATERIALS FOR ONE YEAR FROM DATE OF FINAL WRITTEN ACCEPTANCE.

GENERAL LIGHTING LOAD (CONTINUOUS)	
BUSINESS USE	585
TOTAL BUILDING AREA (SF)	2387.5
3.5 VA PER SQUARE FOOT	2387.5
SUBTOTAL	2966.875 w
DEMAND FACTOR 125%	3698.594 w
OUTSIDE LIGHTING (CONTINUOUS)	
0 VA x 125%	0 w
SIGN AND OUTLINE LIGHTING (CONTINUOUS)	
1200 VA PER SIGN	0 w
0 NUMBER OF SIGNS	0 w
RECEPTACLE LOADING (NON-CONT.)	
NUMBER OF RECEPTACLES	7
180 VA PER RECEPTACLE	1,260
FIRST 10,000 VA X 100% =	1,260
REMAINING X 50% =	0
TOTAL	1,260 w
WATER HEATER	
3,500 VA PER WATER HEATER	0 w
0 NUMBER OF WATER HEATERS	0 w
WELL PUMP	
EXISTING PUMPS =	0
TOTAL	0 w
SEWAGE PUMP	
EXISTING PUMPS =	0
TOTAL	0 w
HEATING LOADS	
EXISTING HEAT PUMPS =	18,000
TOTAL	0 w
A/C MOTOR LOADS	
EXISTING AIR HANDLERS =	0
TOTAL	0 w
APPLIANCE LOADS	
SPECIALTY EQUIPMENT DEMAND FACTOR = 90%	0 w
OCPD	
GENERAL LIGHTING	2966.8
OUTSIDE LIGHTING	0.0
SIGN AND OUTLINE	0.0
RECEPTACLE LOAD	1260.0
WATER HEATER	0.0
WELL PUMP LOADS	0.0
SEWAGE PUMP	0.0
HEATING LOADS	0.0
A/C LOADS	0.0
APPLIANCE LOADS	0.0
TOTAL LOAD	4266.8 w
i - TOTAL LOAD(240) - 17,736(97)17 AMP	
USE MIN. TWO CIRCUITS 20 AMP 1 PHASE POWER	

FIXTURE LAYOUT
SCALE: 1/4" = 1'-0"

REVISIONS			
DESCRIPTION	DATE	BY	DESCRIPTION



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**ELIM BAPTIST CHURCH
RESTROOM ADDITION**
ELECTRICAL PLAN

CES PROJECT NO.: 2014-009
SHEET: A-7