108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA LA GRANDE PRINCESSE - ST. CROIX, U.S. Major Coastal Zone Permit Submission | SUBMISSION DATE: DECEMBER 4, 2023

PROJECT DIRECTORY

OWNER:

Hibiscus Beach, LLC P.O. Box 306777 St. Thomas, VI, 00802 **DESIGN ARCHITECT:**

Design District, PLLC P.O. Box 223324 Christiansted, USVI, 00822 E: clarence@designdistrictvi.com P: 340-227-6265

APPLICABLE CODES & DESIGN CRITERIA

ZONING: TITLE 29 OF THE VIRGIN ISLANDS CODE (USVI) **BUILDING:** 2021 INTERNATIONAL BUILDING CODE (IBC) **CONSTRUCTION GUIDE:** CONSTRUCTION INFORMATION FOR A STRONGER HOME, 4TH EDITION (DPNR) WIND DESIGN: ASCE 7-16 | BASIC WIND SPEED: 165 MPH | EXPOSURE CATEGORY B SPRINKLERED : YES (PER IBC 2021 & NFPA 18)

ARCHITECT OF RECORD:

John P. Woods P.O. Box 306777 St. Thomas, USVI, 00804 E: john.jpw.woods@gmail.com P: 340-514-3064

HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATION

DRAWING INDEX

	DRAWING INDEX
SHEET NO.	SHEET NAME
CZM DRAWINGS	
A0.01	COVER
02-C1	GENERAL NOTES
02-C2	GENERAL NOTES
02-C3	EXISTING CONDITION PLAN
02-C4	STORMWATER POLLUTION PREVENTION PLAN
02-C5	STORMWATER POLLUTION PREVENTION DETAILS
02-C6	DEMOLITION PLAN
02-C0 02-C7	SITE & GEOMETRY PLAN
02-C7 02-C8	SITE & GEOMETRY PLAN
02-C9	
02-C10	PAVING, GRADING & DRAINAGE PLAN
02-C11	PAVING, GRADING & DRAINAGE PLAN
02-C12	PAVING, GRADING & DRAINAGE DETAILS
02-C13	PAVING, GRADING & DRAINAGE DETAILS
02-C14	PAVING, GRADING & DRAINAGE DETAILS
02-C15	PAVING, GRADING & DRAINAGE DETAILS
02-C16	POTABLE WATER & SANITARY SEWER NOTES
02-C17	POTABLE WATER & SANITARY SEWER PLAN
02-C18	POTABLE WATER & SANITARY SEWER DETAILS
02-C19	POTABLE WATER & SANITARY SEWER DETAILS
A-1.01	APPROVED REPAIRS SITE PLAN
A-1.02	PROPOSED SITE PLAN
A-1.03	COLOR SITE PLAN
A-1.04	LANDSCAPE & IRRIGATION PLAN
A-1.05	EXISTING VS NEW DIAGRAM
A-1.06	POTABLE WATER COLLECTION
A-1.10	POOL
A-1.20	TIKI BAR
A-1.30	GENERATOR BLDG
A-1.40	WEDGE
A-1.40 A-A1.0	BUILDING A - PLANS
A-A1.0 A-A2.0	BUILDING A - ELEVATIONS
A-A3.0	BUILDING A - AXONS
A-A3.1	BUILDING A - AXONS
A-B1.0	BUILDING B - PLANS
A-B2.0	BUILDING B - ELEVATIONS
A-B3.1	BUILDING B - AXONS
A-C1.0	BUILDING C - PLANS
A-C2.0	BUILDING C - ELEVATIONS
A-C3.1	BUILDING C - AXONS
A-D1.0	BUILDING D - PLANS
A-D2.0	BUILDING D - ELEVATIONS
A-D3.1	BUILDING D - AXONS
A-E1.0	BUILDING E - PLANS
A-E2.0	BUILDING E - ELEVATIONS
A-E3.1	BUILDING E - AXONS
A-F1.0	BUILDING F - PLANS
A-F2.0	BUILDING F - ELEVATIONS
A-F3.1	BUILDING F - AXONS
A-G1.0	BUILDING G - PLANS
A-G2.0	BUILDING G - ELEVATIONS
	BUILDING G - AXONS
A-G3.1 A-H1.0	BUILDING G - AXONS BUILDING H - PLANS
A-H2.0	BUILDING H - ELEVATIONS
A-H3.1	BUILDING H - AXONS
A-J1.0	BUILDING J - PLANS
A-J2.0	BUILDING J - ELEVATIONS
A-J3.0	BUILDING J - AXONS
A-K1.0	BUILDING K - PLANS
A-K2.0	BUILDING K - ELEVATIONS
A-K3.1	BUILDING K - AXONS
E1	PV LAYOUT

VICINITY MAP



ISALND MAP



GUESTROOM COUNT

EXISTING:	41
PROPOSED:	62
TOTAL:	103

ZONING DATA

REQUIF
333
108
35%
30%
-

VIRGIN ISLANDS	Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
	DESIGN DISTRICT, PLLC DISTRICT, PLLC
	Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918 SCOPE DOCUMENTS The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope
	of the Project. The Contractor is responsible for complete and coordinated pricing and Work, and shall include all items necessary for the proper execution and completion of the Project, whether indicated or not. All components of the Project shall comply with any and all requirements of national, state, and local codes. The Contractor shall inform the Owner and Architect of any omissions, inconsistencies or errors in the information provided. If no notice is given and any omissions, inconsistencies or errors are discovered, the Architect's decisions on items of Work included in the scope shall be binding on the Contractor, when consistent with the general scope and quality of the Project.
	ISSUANCES No. Drawing Issue Description Date A CZM Permit Sumbission 12 - 4 - 2023 3
	HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATION
	108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande Princesse St. Croix, U.S.V.I. ◆
	Hibiscus Beach, LLC
IRED PROVIDED	
3 MAX. 155	
8 MIN. 115	C. BROWNE 2020025 Project Architect Project No. 12/21/20 12/21/20
% MIN. 62%	
% MAX. 18%	A0.01
13 14 15	NOT ISSUED FOR CONSTRUCTION

DIVISION I- GENERAL REQUIREMENTS AND COVENANTS

1. ONLY APPROVED MATERIALS SHALL BE USED

CONTRACTOR SHALL USE ONLY MATERIALS IN THE WORKS THAT MEET THE REQUIREMENTS OF THESE SPECIFICATIONS. RELEVANT SECTIONS OF FLORIDA DEPARTMENT OF TRANSPORTATION PUBLICATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2000."

2. INSPECTION AND TESTS AT SOURCE OF SUPPLY

2.1 GENERAL: IF THE VOLUME, PROGRESS OF THE WORK, AND OTHER CONSIDERATIONS WARRANT, THE ENGINEER OF

RECORD(E.O.R.) MAY INSPECT THE MATERIALS AT THE SOURCE OF SUPPLY. 2.2 COOPERATION BY CONTRACTOR: THE CONTRACTOR SHALL PROVIDE THE E.O.R. WITH FREE ENTRY AT ALL TIMES TO SUCH PARTS OF THE PLANT THAT CONCERN THE MANUFACTURE OR PRODUCTION OF THE MATERIALS ORDERED.

3. CONTROL BY SAMPLES AND TESTS

3.1 PAVEMENT SAMPLES: FOR BOTH BASE COURSE AND SURFACE COURSE PAVEMENTS, THE CONTRACTOR SHALL FURNISH SAMPLES TAKEN FROM THE COMPLETED WORK FROM ANY LOCATION THAT THE E.O.R. INDICATES, AND IMMEDIATELY REPLACE THE AREAS SO REMOVED WITH MATERIALS AND CONSTRUCTION THAT MEET THE REQUIREMENTS OF THESE SPECIFICATIONS AND TO THE LINE AND GRADE OF THE IMMEDIATE SURROUNDING PAVEMENT SURFACE.

3.2 APPLICABLE STANDARDS: METHODS OF SAMPLING AND TESTING MATERIALS SHALL BE IN ACCORDANCE WITH STANDARDS OF AASHTO OR ASTM.

3.3 SIEVES: USE SIEVES MEETING THE REQUIREMENTS OF AASHTO M 92. 3.4 INSPECTION AT PLANTS: CONTRACTOR SHALL PROVIDE THE ENGINEER WITH ACCESS TO ALL PARTS OF ALL

PAVING OR OTHER PLANTS CONNECTED WITH THE WORK TO OBSERVE WEIGHTS OR PROPORTIONS OR CHARACTER OF MATERIALS AND TO DETERMINE TEMPERATURE USED IN PREPARING MATERIALS AND MIXTURES. 3.5 COMPACTION TESTS - PAVEMENT MATERIALS

3.5.1 WHEN REQUESTED BY THE ENGINEER OF RECORD (E.O.R.): NUCLEAR DENSITY OR OTHER APPROVED COMPACTION TESTS SHALL BE CARRIED OUT ON EACH LAYER OF COMPACTED BASE AND EMBANKMENTS. TWENTY-FOUR HOURS NOTICE OF ANY TEST SHALL BE GIVEN TO THE PROJECT ENGINEER AND COPIES OF THE TEST RESULT SHALL BE FORWARDED TO THE E.O.R. AS SOON AS POSSIBLE. THE CONTRACTOR SHALL KEEP COPIES OF THE TIME AND LOCATION OF ALL TESTS.

3.5.2 FIELD-TESTING: SHALL CONFORM TO ASTM STANDARDS OR APPROVED EQUIVALENT. MOISTURE DENSITY CURVES SHALL CONFORM TO ASTM D698-78; SIEVE ANALYSES TO ASTM C136-84A; AND FIELD DENSITIES TO ASTM D2167-84 OR TO ASTM D2922-81.

4. STORAGE OF MATERIALS

4.1 METHOD OF STORAGE: MATERIALS SHALL BE STORED IN SUCH A MANNER AS TO PRESERVE THEIR QUALITY AND FITNESS FOR THE WORK TO FACILITATE PROMPT INSPECTION AND TO MINIMIZE THE NOISE IMPACTS ON SENSITIVE RECEIVERS.

5. DEFECTIVE MATERIALS

5.1 THE FOLLOWING MATERIALS SHALL BE CONSIDERED DEFECTIVE: ALL MATERIALS NOT MEETING THE REQUIREMENTS OF THESE SPECIFICATIONS; MATERIALS THAT ARE OR HAVE BEEN IMPROPERLY STORED; AND MATERIALS THAT ARE MIXED WITH EXCESS OF CLAY, COAL, STICKS, BURLAP, HAY, STRAW, LOAM OR EARTH, OR OTHER DEBRIS.

6. LEGAL REQUIREMENTS AND RESPONSIBNILITY TO THE PUBLIC

6.1 OCCUPATIONAL SAFETY AND HEALTH REQUIREMENTS: THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY FOR THE PROTECTION OF LIFE, HEALTH AND GENERAL OCCUPATIONAL WELFARE OF ALL PERSONS INCLUDING THE CONTRACTORS EMPLOYEES AND AUTHORIZED VISITORS TO THE SITE.

7. SANITARY PROVISIONS

7.1 THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATIONS FOR THE USE OF HIS EMPLOYEES AS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE UNITED STATES VIRGIN ISLANDS (USVI).

8. CONTROL OF CONTRACTOR'S EQUIPMENT

8.1 PROTECTION FROM DAMAGE BY TRACTOR-TYPE EQUIPMENT: THE CONTRACTOR SHALL TAKE POSITIVE MEASURES TO ENSURE THAT TRACTOR-TYPE EQUIPMENT DOES NOT DAMAGE THE ROAD. IF SUCH DAMAGE SHOULD OCCUR. CONTRACTOR SHALL REPAIR IT WITHOUT DELAY, AT NO EXPENSE TO THE OWNER AND SUBJECT TO THE APPROVAL OF THE E.O.R.

9. PRESERVATION OF PROPERTY

9.1 UTILITIES: CONTRACTOR SHALL NOT COMMENCE WORK AT POINTS WHERE THE CONSTRUCTION OPERATIONS ARE ADJACENT TO UTILITY FACILITIES OR OTHER PROPERTY, UNTIL MAKING ARRANGEMENTS WITH THE UTILITY FACILITIES TO PROTECT AGAINST DAMAGE THAT MIGHT RESULT IN EXPENSE, LOSS, DISRUPTION IN SERVICE OR OTHER INCONVENIENCE TO THE PUBLIC OR THE OWNERS.

10. RECORD OF CONSTRUCTION MATERIALS

10.1 GENERAL: FOR ALL CONSTRUCTION MATERIALS USED IN CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL PRESERVE FOR THE E.O.R'S INSPECTION THE INVOICES AND RECORDS OF MATERIALS FOR A PERIOD OF THREE YEARS FROM THE DATE OF COMPLETION OF THE PROJECT. THIS ALSO APPLIES TO MATERIALS PURCHASED BY SUBCONTRACTORS.

DIVISION II- CONSTRUCTION DETAILS

1. CONSTRUCTION EQUIPMENT-GENERAL REQUIREMENTS

1.0 GENERAL: UNLESS RESTRICTED TO A SPECIFIC TYPE BY THE CONTRACT DOCUMENTS OR THE E.O.R., THE CONTRACTOR MAY PERFORM THE WORK USING EQUIPMENT, TOOLS, MACHINERY, ETC., OF HIS OWN CHOOSING. NOTE THAT FACILITIES TO BE CONSTRUCTED UNDER THE CONTRACT ARE ADEQUATE TO SUPPORT ONLY THEIR DESIGN LOADS IN THEIR COMPLETED CONSTRUCTION STAGE. IF THE CONTRACTOR'S EQUIPMENT OR PROCEDURES DURING CONSTRUCTION DAMAGE ANY PART OF THE FACILITY. THE CONTRACTOR SHALL REPLACE OR REPAIR IT AS DIRECTED BY THE E.O.R. AT NO EXPENSE TO THE OWNER.

2. MAINTENANCE OF TRAFFIC

2.1 DESCRIPTION: THE CONTRACTOR SHALL MAINTAIN TRAFFIC WITHIN THE LIMITS OF THE PROJECT FOR THE DURATION OF THE CONSTRUCTION PERIOD, INCLUDING ANY TEMPORARY SUSPENSIONS OF THE WORK. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ANY DETOUR FACILITIES, PROVIDE NECESSARY FACILITIES FOR ACCESS TO RESIDENCES, BUSINESSES, ETC., ALONG THE PROJECT. CONTRACTOR SHALL FURNISH AND APPLY CALCIUM CHLORIDE OR WATER ON THE SUBGRADE, UNSURFACD BASE, OR OTHER UNSURFACED TRAVELED WAYS IN ORDER TO CONTROL DUST DURING THE CONSTRUCTION OPERATIONS.

3. TRAFFIC CONTROL

3.1 STANDARDS: FHWA'S MUTCD PART VI IS THE MINIMUM STANDARDS FOR TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS. CONTRACTOR SHALL UNDERSTAND THE STANDARDS ESTABLISHED IN THE AFOREMENTIONED MANUAL CONSTITUTE THE MINIMUM REQUIREMENTS FOR NORMAL CONDITIONS. THE E.O.R. MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DEVICES, WARNING DEVICES, BARRIERS, OR OTHER SAFETY DEVICES WHERE UNUSUAL, COMPLEX, OR PARTICULARLY HAZARDOUS CONDITIONS EXIST

3.2 MAINTENANCE OF DEVICES AND BARRIERS: P CONTRACTOR SHALL KEEP TRAFFIC CONTROL DEVICES, WARNING DEVICES, AND BARRIERS IN THE CORRECT POSITION PROPERLY DIRECTED, CLEARLY VISIBLE AND CLEAN AT ALL TIMES. CONTRACTOR SHALL IMMEDIATELY REPAIR, REPLACE OR CLEAN DAMAGED, DEFACED, OR DIRTY DEVICES OR BARRIERS AND HAVE THE E.O.R. APPROVE THEM FOR USE.

4. PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION

4.1 DESCRIPTION: CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES ON THE PROJECT AND IN AREAS OUTSIDE THE RIGHT-OF-WAY WHERE WORK IS ACCOMPLISHED IN CONJUNCTION WITH THE PROJECT, SO AS TO PREVENT POLLUTION OF WATER, DETRIMENTAL EFFECTS TO PUBLIC OR PRIVATE PROPERTY ADJACENT TO THE PROJECT RIGHT-OF-WAY AND DAMAGE TO WORK ON THE PROJECT. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY EROSION CONTROL FEEATURES OR, WHERE PRACTICAL, CONSTRUCT AND MAINTAIN PERMANENT EROSION CONTROL FEATURES AS SHOWN IN THE PLANS OR AS MAY BE DIRECTED BY THE E.O.R.

5. CLEARING AND GRUBBING

5.1 DESCRIPTION: CONTRACTOR SHALL CLEAR AND GRUB WITHIN THE AREAS OF THE ROADWAY RIGHT-OF-WAY AND OF BORROW PITS, SAND-CLAY BASE MATERIAL PITS, LATERAL DITCHES AND ANY OTHER AREAS SHOWN IN THE PLANS TO BE CLEARED AND GRUBBED. REMOVE AND DISPOSE OF ALL TREES, STUMPS, ROOTS, AND OTHER SUCH PROTRUDING OBJECTS, AND BUILDINGS, STRUCTURES, APPURTENANCES, EXISTING FLEXIBLE ASPHALT PAVEMENT, AND OTHER FACILITIES NECESSARY TO PREPARE THE AREA FOR THE PROPOSED CONSTRUCTION, AND REMOVE AND DISPOSE OF ALL PRODUCT AND DEBRIS NOT REQUIRED TO BE SALVAGED OR NOT REQUIRED TO COMPLETE THE CONSTRUCTION. CONTRACTOR SHALL ALSO PERFORM MISCELLANEOUS WORK THE E.O.R. CONSIDERS NECESSARY FOR THE COMPLETE PREPARATION OF THE OVERALL PROJECT SITE AS FOLLOWS:

(a) PLUG ANY WATER WELLS THAT ARE ENCOUNTERED WITHIN THE RIGHT-OF-WAY AND THAT ARE TO BE ABANDONED. (b) LEVEL THE TERRAIN OUTSIDE THE LIMITS OF CONSTRUCTION FOR PURPOSES OF FACILITATING MAINTENANCE

AND OTHER POST-CONSTRUCTION OPERATIONS. (c) TRIM TREES AND SHRUBS WITHIN THE PROJECT RIGHT-OF-WAY THAT ARE IDENTIFIED IN THE PROJECT DOCUMENTS.

6. STABILIZING

6.1 DESCRIPTION: STABILIZE DESIGNATED PORTIONS OF THE ROADBED TO PROVIDE A FIRM AND UNVIELDING SUBGRADE, HAVING THE REQUIRED BEARING VALUE SPECIFIED IN THE PLANS. WHEN SPECIFIED IN THE PLANS, PROVIDE ADDITIONAL STRENGTHENING OF THE SUBBASE BY ADDITIONAL STABILIZING OF THE UPPER PORTION OF THE PREVIOUSLY STABILIZED SUBGRADE, WITHIN THE LIMITS SPECIFIED. 6.2 MAXIMUM PARTICLE SIZE OF MIXED MATERIALS: AT THE COMPLETION OF THE MIXING, ENSURE THAT THE GRADATION OF THE MATERIAL WITHIN THE LIMITS OF THE AREA BEING STABILIZED IS SUCH THAT 97% WILL PASS A 3 1/2" (90MM) SIEVE AND THAT THE MATERIAL DOES NOT HAVE A PLASTICITY INDEX GREATER THAN EIGHT OR LIQUID LIMIT GREATER THAN THIRTY.

6.3 DENSITY REQUIREMENTS: WITHIN THE ENTIRE LIMITS OF THE WIDTH AND DEPTH OF THE AREAS TO BE STABILIZED, OBTAIN A MAXIMUM DENSITY OF 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T180.

7. GRANULAR BASE

7.1 MATERIALS: MATERIALS SHALL MEET THE REQUIREMENTS OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) STANDARD. THE CONTRACTOR MAY USE MORE THAN ONE SOURCE OF GRANULAR BASE ON A SINGLE CONTRACT PROVIDED THAT A SINGLE SOURCE IS USED THROUGHOUT THE ENTIRE WIDTH AND DEPTH OF A SECTION OF BASE. OBTAIN APPROVAL FROM THE E.O.R. BEFORE PLACING MATERIAL FROM MORE THAN ONE SOURCE. 7.2 METHOD OF SPREADING: CONTRACTOR SHALL SPREAD THE ROCK UNIFORMLY. REMOVE ALL SEGREGATED AREAS OF FINE OR COURSE ROCK AND REPLACE THEM WITH PROPERLY GRADED ROCK.

BASE ON THE SHOULDERS, DO NOT ALLOW MATERIAL CAPABLE OF SCARRING OR CONTAMINATING THE PAVEMENT THE SURFACE COURSE.

7.4 DENSITY REQUIREMENTS: WHEN PROPER MOISTURE CONDITIONS ARE OBTAINED, COMPACT MATERIAL TO NOT LESS THAN 98% OF MAXIMUM DENSITY DETERMINED BY AASHTO T180. COMPACT THE GRANULAR BASE FOR SHOULDER PAVEMENT TO NOT LESS THAN 95% OF MAXIMUM DENSITY DETERMINED BY AASHTO T180. 7.5 PRIMING: CONTRACTOR SHALL APPLY THE PRIME COAT ONLY WHEN THE BASE MEETS THE SPECIFIED DENSITY REQUIREMENTS AND WHEN THE MOISTURE CONTENT IN THE TOP HALF OF THE BASE DOES NOT EXCEED 90% OF THE OPTIMUM MOISTURE OF THE BASE MATERIAL. AT THE TIME OF PRIMING ENSURE THAT THE BASE IS FIRM, UNYIELDING AND IN SUCH CONDITION THAT NO UNDUE DISTORTION WILL OCCUR. 7.6 MAINTAINING: MAINTAIN THE TRUE CROWN AND TEMPLATE, WITH NO RUTTING OR OTHER DISTORTION WHEN APPLYING THE SURFACE COURSE.

PRIME AND TACK COATS FOR BASE COURSES COATS ON PREVIOUSLY PREPARED BASES AND ON EXISTING PAVEMENT SURFACES.

REOUIREMENTS OF FDOT STANDARD SPECIFICATIONS, SECTION 916-3.

8.3 COVER MATERIAL FOR PRIME COAT: UNIFORMLY COVER THE PRIME BASE BY A LIGHT APPLICATION OF COVER MATERIAL. THE CONTRACTOR MAY USE EITHER SAND OR SCREENINGS FOR COVER MATERIAL. FOR THE SAND, MEET THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS SECTION 902-2 OR 902-6, AND FOR THE SCREENINGS MEET THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS SECTION 902-5. IF EXPOSING THE PRIMED BASE COURSE TO GENERAL TRAFFIC, APPLY A COVER MATERIAL THAT HAS BEEN COATED WITH 2 TO 4% ASPHALT CEMENT. APPLY THE ASPHALT COATED MATERIAL AT APPROXIMATELY 10 LB /SQ.YD [5.5 KG/SQ. M]. ROLL THE ENTIRE SURFACE OF ASPHALT COATED MATERIAL WITH A TRAFFIC ROLLER AS REQUIRED TO PRODUCE A REASONABLE DENSE MAT. 8.4 TACK COAT: UNLESS THE CONTRACT DOCUMENTS CALL FOR A SPECIFIC TYPE OR GRADE OF TACK COAT, USE UNDILUTED EMULSIFIED ASPHALT GRADES RS-1 OR RS-2 MEETING THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS SECTION 916-4. HEAT RS-1 OR RS-2 TO A TEMPERATURE OF 140 TO 180° F [60 TO 82°C].

8.5 APPLICATION OF PRIME COAT 8.5.1 GENERAL: CONTRACTOR SHALL CLEAN THE SURFACE TO BE PRIMED AND ENSURE THAT THE MOISTURE CONTENT OF THE BASE DOES NOT EXCEED 90% OF THE OPTIMUM MOISTURE. ENSURE THAT THE TEMPERATURE OF THE PRIME MATERIAL IS BETWEEN 100 AND 150° F [40 AND 65° C]. APPLY THE MATERIAL WITH A PRESSURE DISTRIBUTOR. DETERMINE THE APPLICATION AMOUNT BASED ON THE CHARACTER OF THE SURFACE. USE AN AMOUNT SUFFICIENT TO

COAT THE SURFACE THOROUGHLY AND UNIFORMLY WITH NO EXCESS. 8.5.2 RATE OF APPLICATION: CONTRACTOR SHALL USE A RATE OF APPLICATION THAT IS NOT LESS THAN 0.1 GAL/SQ.YD [0.5 L/SQ.M], UNLESS A LOWER RATE IS DIRECTED BY THE E.O.R.

8.6 APPLICATION OF PRIME COAT 8.6.1 WHERE REQUIRED: IN GENERAL THE E.O.R. WILL NOT REQUIRE A TACK COAT ON PRIMED BASES EXCEPT IN AREAS THAT HAVE BECOME EXCESSIVELY DIRTY AND CANNOT BE CLEANED, OR IN AREAS WHERE THE PRIME HAS CURED TO AN EXTENT THAT IT HAS LOST ALL BONDING EFFECT. GENERALLY, THE E.O.R. WILL REQUIRE A TACK COAT ON

HOT BITUMINOUS BASE COURSE BEFORE PLACING THE SURFACE COURSE. 8.6.2 METHOD OF APPLICATION: CONTRACTOR SHALL APPLY THE TACK COAT WITH A PRESSURE DISTRIBUTOR EXCEPT THAT ON SMALL JOBS, IF APPROVED BY THE E.O.R., IT MAY BE APPPLIED BY OTHER MECHANICAL DEVICES OR BY HAND METHODS. HEAT THE BITUMINOIS MATERIAL TO A SUITABLE TEMPERATURE AS DESIGNATED BY THE E.O.R., AND APPLY IT IN A THIN, UNIFORM LAYER.

9. BITUMINOUS SURFACE TREATMENT (INCLUDING MINERAL SEAL COAT) 9.1 DESCRIPTION: CONTRACTOR SHALL CONSTRUCT A WEARING SURFACE OF SEPARATE APPLICATIONS OF BITUMINOUS MATERIAL COVEREED WITH AGGREGATE, EITHER IN SINGLE APPLICATIONS, DOUBLE (ALTERNATE) APPLICATIONS OR TRIPLE (ALTERNATE) APPLICATIONS 9.2 COMPOSITION AND PROPORTIONING: THE COMPOSITION AND PROPORTIONING FOR THE VARIOUS TYPES OF BITUMINOUS SURFACE TREATMENT AND FOR MINERAL SEAL COAT SHALL BE AS PER THE TABLES IN FDOT STANDARD SPECIFICATIONS SECTION 310-2.

9.3 EQUIPMENT:

[0.09 AND 0.36 L/SQ M].

9.3.1 PRESSURE DISTRIBUTOR: CONTRACTOR SHALL PROVIDE A PRESSURE DISTRIBUTOR THAT IS EQUIPPED WITH PNEUMATIC TIRES HAVING A SUFFICIENT WIDTH OF RUBBER IN CONTACT WITH THE ROAD SURFACE TO AVOID BREAKING THE BOND OR FORMING A RUT IN THE SURFACE. ENSURE THAT THE DISTANCES BETTWEEN THE CENTRES OF OPENINGS OF THE OUTSIDE NOZZLES OF THE SPRAY BAR IS EQUAL TO THE WIDTH OF THE APPLICATION REQUIRED, WITHIN A ALLOWABLE VARIATION OF 2 INCHES [50 MM]. ENSURE THAT THE OUTSIDE NOZZLE AT EACH END OF THE SPRAY BAR HAS AN AREA OF OPENING NOT LESS THAN 25% OR MORE THAN 75% IN EXCESS OF THE OTHER NOZZLES. ENSURE THAT ALL NOZZLES HAVE UNIFORM OPENINGS

9.3.2 SPREADING EQUIPMENT: CONTRACTOR SHALL PROVIDE SUFFICIENT TRUCKS AD AGGREGATE SPREADERS AT THE SITE OF THE WORK TO ENSURE CONTINUOUS SPREADING OF THE AGGREGATE ON THE UNCOVERED BITUMINOUS MATERIAL. USE A SPREADER OF THE MECHANICAL TYPE THAT IS SELF-SUPPORTED (TOWED) OR SELF-PROPELLED THAT IS CAPABLE OF PRODUCING A SMOOTH. UNIFORM DISTRIBUTION OF THE COVER MATERIAL. DO NOT USE SPREADERS OF THE TYPE ATTACHED DIRECTLY TO THE BACK OF THE TRUCK BODY (TAIL GATE SPREADERS).

9.3.3 ROLLERS: CONTRACTOR SHALL PROVIDE ROLLERS THAT ARE 3 TO 5 TON [2.7 TO 4.5 METRIC TON] STEEL-TIRED OR COMBINATION STEEL AND RUBBER-TIRED, ROLLERS AND SELF-PROPELLED, PNEUMATIC-TIRED TRAFFIC TYPE ROLLERS THAT ARE EQUIPPED WITH AT LEAST SEVEN SMOOTH-TREAD, LOW-PRESSURE TIRES AND CAPABLE OF CARRYING A LOAD OF AT LEAST 8 TONS [7 METRIC TONS]. MAINTAIN THE INFLATION IN THE TIRES SUCH THAT IN NO TWO TIRES THE AIR PRESSURE VARIES MORE THAN 5 PSI [35 KPA]. LOAD THE TRAFFIC LOADER AS DIRECTED BY THE E.O.R.

9.4 APPLICATION OF BITUMINOUS MATERIAL: 9.4.1 DISTRIBUTOR PRESSURE: AFTER CLEANING THE SURFACE TO BE TREATED TO THE SATISFACTION OF THE E.O.R. .THE CONTRACTOR SHALL UNIFORMLY SPRAY THE BITUMINOUS MATERIAL OVER THE SURFACE BY MEANS OF A PRESSURE DISTRIBUTOR. WHEN A SURFACE CONSTRUCTED UNDER THIS SECTION IS ON A PAVED SHOULDER, USE A STRINGLINE OR OTHER APPROVED METHOD TO PRODUCE A UNIFORM LINE ALONG THE EDGE OF THE APPLIED BITUMINOUS MATERIAL ADJACENT TO THE TRAFFIC LANES. USE A DISTRIBUTOR THAT MAINTAINS A PRESSURE OF AT LEAST 20 PSI [140 KPA] AND 75 PSI [520 KPA].

9.4.2 APPLICATION TEMPERATURES: FOR ASPHALT CEMENT, MAINTAIN AN APPLICATION TEMPERATURE BETWEEN 300 AND 350° F [150 AND 175° C]. FOR EMULSIFIED ASPHALT MAINTAIN AN APPLICATION TEMPERATURE BETWEEN 100 AND 170° F [38 AND 75° C]. FOR CUT-BACK ASPHALT, MAINTAIN AN APPLICATION TEMPERATURE BETWEEN 175 AND 275° F [80 AND 135° C].

9.4.3 UNIFORMITY OF DISTRIBUTION: CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS TO OBTAIN AN EVEN AND UNIFORM DISTRIBUTIOIN OF BITUMINOUS MATERIAL, AND ADJUST AND OPERATE THE DISTRIBUTOR SO AS TO MAINTAIN UNIFORM, EVEN DISTRIBUTION OF THE MATERIAL BEING APPLIED. IMMEDIATELY REMOVE EXCESSIVE DEPOSITS OF BITUMINOUS MATERIAL UPON THE ROAD SURFACE CAUSED BY STOPPING AND STARTING THE DISTRIBUTOR, BY LEAKAGE OR OTHERWISE.

9.5 SPREADING COVER MATERIAL

9.5.1 SPREADING: SPREAD THE COVER MATERIAL IMMEDIATELY FOLLOWING EACH APPLICATION OF BITUMINOUS MATERIAL. UNIFORMLY DISTRIBUTE THE COVER MATERIAL OVER THE BITUMINOUS SURFACE IN ONE, TWO, OR THREE COURSES AS SPECIFIED. PERFORM SPREADING USING APPROVED MECHANICAL SPREADERS. USING ONLY DIRVERS EXPERIENCED IN THIS TYPE OF WORK FOR DRIVING THE SPREADERS. DO NOT DRIVE TRUCKS OR SPREADERS ON THE UNCOVERED BITUMINOUS MATERIAL.

9.5.2 BROOMING AND DRESSING: IMMEDIATELY AFTER EACH APPLICATION OF COVER MATERIAL, BROOM THE SURFACE IN ORDER TO SECURE A UNIFORM DISTRIBUTION OF COVER MATERIAL AND A SMOOTH SURFACE. PLACE ADDITIONAL AGGREGATE BY HAND ON ANY AREAS NOT PROPERLY COVERED. 9.6 ROLLING AND CURING

9.6.1 GENERAL REQUIREMENTS: IMMEDIATELY AFTER THE SPREADING AND DRAGGING OF EACH APPLICATION OF COVER MATERIAL, ROLL THE ENTIRE SURFACE. BEGIN ROILLING WITHIN 30 MINUTES AFTER SPREADING OF THE COVER MATERIAL. BEGIN ROLLING AT THE EDGES AND PROGRESS TO THE CENTRE OF THE SURFACE, UNIFORMLY LAPPING EACH PRECEDING PASS AND THOROUGHLY COVERING THE ENTIRE SURFACE. DURING ROLLING, PERFORM ADDITIONAL DRAGGING AND HANDBROOMING AS SPECIFIED ABOVE. FIRST ROLL THE ENTIRE SURFACE WITH A TRAFFIC ROLLER, FOLLOWED IMMEDIATELY WITH A STEEL-WHEELED ROLLER. COVER THE ENTIRE SURFACE WITH A STEEL-WHEELED ROLLER. THEN, ROLL THE COVER MATERIAL AGAIN WITH THE TRAFFIC ROLLER. CONTINUE THE ROLLING AS LONG AS IS NECESSARY TO ENSURE THE THOROUGH KEYING OF THE COVER MATERIAL AND TO SECURE A UNIFORMLY CLOSED SURFACE

9.6.2 SHOULDER PAVEMENT: FOR BITUMINOUS SURFACE-TREATED SHOULDER PAVEMENT, THE E.O.R. MAY REQUIRE ADDITIONAL ROLLING AS HE DEEMS NECESSARY TO COMPENSATE FOR THE LACK OF SUBSEQUENT ROLLING BY

HIGHWAY TRAFFIC. 9.7 SURFACE REQUIREMENTS: CONTRACTOR SHALL PROVIDE A FINISHED SURFACE THAT IS UNIFORM AND CONFORMS TO THE LINES, GRADES AND CROSS SECTIONS SHOWN IN THE PLANS. REMOVE ALL PORTIONS OF THE COMPLETED SURFACE THAT ARE DEFECTIVE, ARE NOT PROPERLY FINISHED, HAVE FAT JOINTS, OR ARE NOT IN REASONABLY CLOSE CONFORMANCE WITH THESE SPECIFICATIONS, AND REPLACE THEM WITH A SATISFACTORY SURFACE. 9.8 PROTECTION: AFTER APPLYING THE BITUMINOUS MATERIAL, THE CONTRACTOR SHALL PREVENT TRAFFIC FROM USING THE ROAD UNTIL PLACING AND THOROUGHLY ROLLING THE COVER MATERIAL. IF POSSIBLE COMPLETE THE

TRAFFIC OFF THE FINISHED SURFACE FOR AT LEAST 48 HOURS AFTER COMPLETING FINISHING

7.3 GRANULAR BASE FOR SHOULDER PAVEMENT: UNLESS OTHERWISE PERMITTED, CONTRACTOR SHALL COMPLETE ALL GRANULAR BASE SHOULDER CONSTRUCTION AT ANY PARTICULAR LOCATION BEFORE PLACING THE FINAL COURSE OF PAVEMENT ON THE TRAVELED ROADWAY. WHEN DUMPING MATERIAL FOR THE CONSTRUCTION OF A GRANULAR

SURFACE ON THE ADJACENT PAVEMENT. IMMEDIATELY SWEEP OFF ANY GRANULAR MATERIAL THAT IS DEPOSITED ON

8.1 DESCRIPTION: CONTRACTOR SHALL APPLY PRIME COATS ON PREVIOUSLY PREPARED BASES, AND APPLY TACK 8.2 PRIME COAT: FOR PRIME COAT. CONTRACTOR SHALL USE CUTBACK ASPHALT GRADE RC-70 OR RC-250 MEETING

8.6.3 RATE OF APPLICATION: CONTRACTOR SHALL USE A RATE OF APPLICATION BETWEEN 0.02 AND 0.08 GAL/SQ.YD

10.1 TRANSPORTATION OF THE MIXTURE: TRANSPORT THE MIXTURE IN TIGHT VEHICLES PREVIOUSLY CLEANED OF ALL FOREIGN MATERIAL. AFTER CLEANING, THINLY COAT THE INSIDE OF THE TRUCK BODIES WITH SOAPY WATER OR AN APPROVED EMULSION CONTAINING NOT MORE THAN 5% OIL. APPLY THE COATING PRIOR TO THE FIRST LOADING EACH DAY AND REPEAT AS NECESSARY THROUGHOUT THE DAY'S OPERATIONS. AFTER THE TRUCK BODIES ARE COATED AND BEFORE ANY MIXTURE IS PLACED THEREIN, RAISE THEM TO DRAIN OUT ANY EXCESS LIQUIDS. COVER EACH LOAD DURING COOL AND CLOUDY WEATHER AND AT ANY TIME THERE IS A PROBABILITY OF RAIN. **10.2 PREPARATION OF APPLICATION SURFACES**

10.2.1 CLEANING: PRIOR TO THE LAYING OF THE MIXTURE, CLEAN THE SURFACE OF THE BASE OR THE PAVEMENT TO BE COVERED OF ALL LOOSE OR DELETERIOUS MATERIAL BY THE USE OF POWER BROOMS OR BLOWERS, SUPPPLEMENTED BY HAND BROOMING WHERE NECESSARY.

10.2.2 PATCHING AND LEVELING COURSES: WHEN AN ASPHALT MIX IS TO BE PLACED ON AN EXISTING PAVEMENT OR OLD BASE WHICH IS IRREGULAR. AND WHEREVER THE PLANS INDICATE, BRING THE EXISTING SURFACE TO PROPER GRADE AND CROSS SECTION BY THE APPLICATION OF PATCHING AND LEVELING COURSES.

10.2.3 APPLICATION OVER SURFACE TREATMENT: WHERE AN ASPHALT MIX IS TO BE PLACED OVER NEWLY CONSTRUCTED SURFACE TREATMENT, SWEEP AND DISPOSE OF ALL LOOSE MATERIAL FROM THE PAVING AREA. 10.2.4 COATING SURFACES OF CONTACTING STRUCTURES: PAINT ALL STRUCTURES WHICH WILL BE IN ACTUAL CONTACT WITH THE ASPHALT MIXTURE, WITH THE EXCEPTION OF THE VERTICAL FACES OF THE EXISTING PAVEMENTS

AND CURBS OR CURB AND GUTTER, WITH A UNIFORM COATING OF ASPHALT CEMENT TO PROVIDE A CLOSELY BONDED, WATER-TIGHT JOINT. **10.3 PLACING MIXTURE**

10.3.1 ALIGNMENT OF EDGES: LAY ALL ASPHALTIC CONCRETE MIXTURES, INCLUDING LEVELING COURSES OTHER THAN ADJACENT TO CURB AND GUTTER AND OTHER TRUE EDGES, BY THE STRINGLINE METHOD TO OBTAIN AN ACCURATE, UNIFORM ALIGNMENT OF THE PAVEMENT EDGE.

10.3.2 TEMPERATURE OF SPREADING: THE CONTRACTOR SHALL MAINTAIN THE TEMPERATURE OF THE MIX AT THE TIME OF SPREADING TO WITHIN +/- 24° F [+/- 14° C] OF THE ESTABLISHED MIX TEMPERATURE ESTABLISHED BY THE CONTRACTOR. AS A MINIMUM, THE ENGINEER WILL TAKE MIX TEMPERATURES OF THE MIX ON THE ROAD IN AN AVERAGE FREQUENCY OF ONE PER FIVE TRUCKS. IF THE TEMPERATURE FAILS TO FALL WITHIN SPECIFIED TOLERANCE CORRECTIVE ACTION MAY NEED TO BE TAKEN.

10.3.3 RAIN AND SURFACE CONDITIONS: IMMEDIATELY CEASE TRANSPORTATION OF ASPHALT MIXTURES FROM THE PLANT WHEN RAIN BEGINS AT THE ROADWAY. DO NOT PLACE ASPHALT MIXES WHILE RAIN IS FALLING, OR WHEN THERE IS WATER ON THE SURFACE TO BE COVERED. AS AN EXCEPTION, THE CONTRACTOR MAY PLACE MIXTURES CAUGHT IN TRANSIT AT THE CONTRACTOR'S RISK IF THE ONLY OPTION IS TO WASTE THE MIXTURE AND PROVIDED THE SURFACE HAS BEEN TACKED AS REQUIRED PRIOR TO THE RAIN AND THE SURFACE IS BROOMED IN FRONT OF THE SPREADING OPERATION.

10.4 COMPACTING MIXTURE

10.4.1 STANDARD ROLLING PROCEDURE: CONTRACTOR SHALL MEET THE FOLLOWING EQUIPMENT, SEQUENCE , AND COVERAGE REQUIREMENTS

1. SEAL ROLLING: PROVIDE TWO COVERAGES WITH A TANDEM STEEL-WHEELED ROLLER (EITHER VIBRATORY OR STATIC), WEIGHING 5 TO 12 TONS [4.5 TO 11 METRIC TONS], FLOOLWING AS CLOSE BEHIND THE SPREADER AS POSSIBLEWITHOUT PICK-UP, UNDUE DISPLACEMENT OR BLISTERING OF THE MATERIAL. USE VIBRATORY ROLLERS IN THE STATIC MODE FOR LAYERS OF 1 INCH [25MM] OR LESS IN THICKNESS.

2. INTERMEDIATE ROLLING: PROVIDE FIVE COVERAGES WITH A SEFL-PROPELLED PNEUMATIC-TIRED ROLLER, FOLLOWING AS CLOSE BEHIND THE SEAL ROLLNG OPERATION AS THE MIX WILL PERMIT.

3. FINAL ROLLING: PROVIDE ONE COVERAGE WITH A TANDUM STEEL-WHEELED ROLLER (STATIC MODE ONLY), WEIGHING 5 TO 12 TONS [4.5 TO 11 METRIC TONS], AFTER COMPLETING THE SEAL ROLLING AND INTERMEDIATE ROLLING, BUT BEFORE THE SURFACE PAVEMENT TEMPERATURE DROPS BELOW 160° F [70°C].

10.4.2 ROLLING PROCEDURES: ENSURE THAT THE INITIAL ROLLLING IS LONGITUDINAL. WHERE THE LANE BEING PLACED IS ADJACENT TO A PREVIOUSLY PLACED LANE, PINCH OR ROLL THE CENTRE JOINT PRIOR TO ROLLING THE REST OF THE LANE. ROLL ACROSS THE MAT, OVERLAPPING THE ADJACENT PASS BY AT LEAST 6 INCHES [150 MM]. ROLL SLOWLY ENOUGH TO AVOID DISPLACEMENT OF THE MIXTURE AND CORRECT ANY DISPLACEMENT AT ONCE BY THE USE OF RAKES AND THE ADDITION OF FRESH MIXTURE AS REQUIRED.

10.4.3 SPEED OF ROLLING: OPERATE THE SELF-PROPELLED, PNEUMATIC-TIRED ROLLER AT THE SPEED OF 6 TO 10 MPH [10 TO 16 KM/H]. FOR EACH ROLLER DO NOT EXCEED AN AREA OF COVERAGE OF 3,000 SQ.YD/H [2,500 SQ.M/H]. 10.4.4 CORRECTING DEFECTS: CONTRACTOR SHALL NOT ALLOW ROLLERS TO DEPOSIT GASOLINE, OIL, OR GREASE ONTO THE PAVEMENT. REMOVE OR REPLACE ANY AREAS DAMAGED BY SUCH DEPOSITS AS DIRECTED BY THE E.O.R.REMOVE AND REPLACE ANY MIXTURE REMAINING UNBONDED AFTER ROLLING. CORRECT ALL DEFECTS PRIOR TO LAYING THE SUBSEQUENT COURSE.

11. TYPE S ASPHALT CONCRETE

11.1 DESCRIPTION: THE COMPOSITION AND PHYSICAL TEST PROPERTIES FOR ALL MIXES INCLUDING TYPE S ASPHALTIC CONCRETE (SI, SII AND SIII) ARE SHOWN IN FDOT STANDARD SPECIFICATIONS, TABLES 331-1 AND 331-2.

12. INLETS, MANHOLES, AND JUNCTION BOXES

12.1 DESCRIPTION: CONTRACTOR SHALL CONSTRUCT DROP INLETS, MANHOLES, JUNCTION BOXES, SHOULDER GUTTER INLETS, AND YARD DRAINS FROM REINFORCED CONCRETE. FURNISH AND INSTALL THE NECESSARY METAL FRAMES AND GRATINGS. ALSO, ADJUST THOSE STRUCTURES SHOWN IN THE PLANS TO BE ADJUSTED OR WHICH ARE REQUIRED TO BE ADJUSTED FOR THE SATISFACTORY COMPLETION OF THE WORK.

12.2 EXCAVATION: WHERE UNSUITABLE MATERIALS FOR FOUNDATIONS IS ENCOUNTERED, EXCAVATE THE UNSUITABLE MATERIAL AND BACKFILL WITH SUITABLE MATERIAL PRIOR TO CONSTRUCTING OR SETTING INLETS, MANHOLES AND JUNCTION BOXES.

12.3 PLACING PIPE: CONTRACTOR SHALL CONSTRUCT INLET AND OUTLET PIPES FROM THE SAME SIZE AND KIND AS THE CONNECTING PIPE SHOWN IN THE PLANS. EXTEND THE PIPES THROUGH THE WALLS FOR A DISTANCE BEYOND THE OUTSIDE SURFACE SUFFICIENT FOR THE INTENDED CONNECTIONS, AND CONSTRUCT THE CONCRETE AROUND THEM NEATLY TO PREVENT LEAKAGE AROUND THEIR OUTER SURFACE. KEEP THE INLET AND OUTLET PIPES FLUSH WITH THE INSIDE OF THE WALL. RESILIENT CONNECTORS MAY BE USED IN LIEU OF A MASONRY SEAL.

12.4 BACKFILLING: BACKFILLING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS SECTION 125, MEETING THE SPECIFIC REQUIREMENTS OF BACKFILLING AND COMPACTION AROUND INLETS, MANHOLES AND JUNCTION BOXES DETAILED IN 125-8.1 AND 125-8.2.

DIVISION III- SUPPLEMENTAL NOTES

1. GENERAL NOTES

1.1 ACCOMMODATION: THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY SHEDS AND STORES AND REMOVE THE SAME FROM SITE ON COMPLETION OF WORKS. NO STRUCTURE SHALL BE ERECTED ON SITE WITHOUT THE OWNER'S WRITTEN CONSENT. SUCH CONSENT WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF CITING TEMPORARY STRUCTURES CLEAR OF THE WORKS.

1.2 STANDARDS: ALL WORK SHALL BE CARRIED OUT IN CONFORMITY WITH SOUND MODERN ROAD MAKING PRACTICES IN WHICH THE CONTRACTOR OR ANY SUB-CONTRACTOR MUST HAVE CONSIDERABLE KNOWLEDGE AND EXPERIENCE. THE CONTRACTOR SHALL CARRY OUT THE WORK IN A DILIGENT AND ORDERLY MANNER. SUFFICIENT EQUIPMENT AND QUALIFIED PERSONNEL SHALL BE AVAILABLE TO ACCOMPLISH THE WORK AT ALL TIMES. A SUITABLE QUALIFIED PERSON SHALL BE CONTINUOUSLY IN CHARGE OF THE WORK.

1.3 SUPPLY OF WATER: THE CONTRACTOR SHALL ARRANGE FOR AN ADEQUATE SUPPLY OF FRESH WATER AT THE SITE, INCLUDING PROVISION OF ANY STORAGE TANKS, SO THAT SUFFICIENT FRESH WATER IS AVAILABLE FOR THE EXECUTION OF THE WORKS.

1.4 PROTECTION OF WORKS FROM WEATHER: THE CONTRACTOR SHALL CAREFULLY PROTECT FROM INJURY BY RAIN,

HEAT OR INCLEMENT WEATHER ALL WORKS, WHICH MAY BE ADVERSELY AFFECTED THEREBY 1.5 CLEANLINESS OF SITE: THE CONTRACTOR SHALL REMOVE ALL RUBBISH, DEBRIS, ETC. AS THEY ACCUMULATE ON THE SITE, AND CLEAN THE AREAS AS NECESSARY SO THAT THE SITE IS KEPT CLEAN AND TIDY DURING THE PROGRESS OF THE CONTRACT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ENSURING THAT NO EARTH, DEBRIS OR ROCK

IS DEPOSITED ON PUBLIC OR PRIVATE RIGHTS OF WAY AS RESULT OF THE WORKS, INCLUDING ANY DEPOSITS ARISING FROM THE MOVEMENT OF PLANT. THE CONTRACTOR SHALL PROVIDE ALL FACILITIES AND LABOUR ARISING FROM COMPLIANCE WITH THIS CLAUSE. **1.6 REGULATIONS:** THE CONTRACTOR SHALL:

1.6.1 ABIDE BY THE LAWS AND REGULATIONS OF THE UNITED STATES VIRGIN ISLANDS (USVI), PARTICULARLY WITH REGARD TO FIRE REGULATIONS AND SAFETY.

1.6.2 OBTAIN ALL NECESSARY PERMITS TO CUT DOWN TREES, BURN WASTE AND DEBRIS, AND ABIDE BY STIPULATION OF PERMITS.

2. EARTH WORKS

2.1 DEFINITIONS AND CLASSIFICATIONS: THE FOLLOWING DEFINITIONS OF EARTH WORKS MATERIAL SHALL APPLY TO THIS AND OTHER CLAUSES OF THE SPECIFICATION IN WHICH REFERENCE IS MADE TO THE DEFINED MATERIALS: A) 'TOP SOIL' SHALL COMPRISE ALL THAT CAN SUPPORT VEGETATION.

B) 'SUITABLE MATERIAL' SHALL COMPRISE ALL THAT WHICH IS ACCEPTABLE IN ACCORDANCE WITH THE CONTRACT FOR USE IN THE WORKS AND WHICH IS CAPABLE OF BEING COMPACTED IN THE MANNER SPECIFIED IN THESE SPECIFICATIONS.

C) 'UNSUITABLE MATERIAL' SHALL MEAN OTHER THAN SUITABLE MATERIAL AND SHALL INCLUDE: (I) MATERIAL FROM SWAMPS.

(II) LOGS, STUMPS AND PERISHABLE MATERIAL.

(III) MATERIALS SUSCEPTIBLE TO SPONTANEOUS COMBUSTION.

CLAY OF LIQUID LIMIT EXCEEDING 80 % AND/OR PLASTICITY INDEX EXCEEDING 55 %. (D)'ROCK' SHALL MEAN A HARD NATURAL MATERIAL THAT NEEDS THE USE OF BLASTING OR PNEUMATIC TOOLS OR **RIPPING FOR REMOVAL.**

(E)'CUT' IS DEFINED AS THE MATERIAL REQUIRED TO BE REMOVED TO ACHIEVE TO THE DESIGN ELEVATION (SUB-BASE GRADE). (F)'FILL' IS DEFINED AS THE MATERIAL REQUIRED TO BE PLACED IN ORDER TO ACHIEVE THE DESIGN ELEVATION.

2.2 EXCAVATION 2.2.1 THE EXCAVATION SHOWN ON THE DRAWINGS OR SPECIFIED BY THE OWNER'S REPRESENTATIVE SHALL BE

CARRIED OUT TO SUCH LINES, LEVELS, DIMENSIONS AND SLOPES, EXCAVATION FACES SHALL BE NEATLY TRIMMED. 2.2.2 A TOLERANCE OF ONE INCH OVER OR UNDER THE DESIGN PROFILES MAY BE PERMITTED UNLESS OTHERWISE REQUIRED BY THE CONTRACT.

2.2.3 ANY EXCESS DEPTH EXCAVATED BELOW THE FORMATION PROFILE TOLERANCE SPECIFIED SHALL BE MADE GOOD BY BACK FILLING WITH SUITABLE MATERIAL OF SIMILAR CHARACTERISTICS TO THAT REMOVED, AND COMPACTED IN ACCORDANCE WITH THESE SPECFICATIONS.

2.2.4 THE SLOPES OF ALL CUTTINGS SHALL BE CLEARED OF ALL ROCK FRAGMENTS, WHICH MOVE WHEN PRIED BY A CROW BAR. 2.2.5 CONSTRUCTION TRAFFIC SHALL NOT USE ANY ROAD FORMATION AT THE BOTTOM OF A CUTTING UNLESS THE

CUTTING IS IN ROCK OR THE CONTRACTOR MAINTAINS THE LEVEL OF THE BOTTOM SURFACE AT LEAST 1 FOOT ABOVE FORMATION | EVEL

THE CONTRACTOR AT HIS OWN EXPENSE SHALL REPAIR ANY DAMAGE TO THE SUB-GRADE ARISING FROM SUCH USE OF THE SURFACE.

TYPE O

ROLLER GRID RO

TAMPIN ROLLER VIBRAT ROLLER

C) THE COMPACTIVE EFFORT OF EACH COMPACTOR IS A FUNCTION OF THE MASS OF THE MACHINE AND THE COMPACTION PLANT IN TABLE 2.1 IS LISTED IN TERMS OF THEIR MASSES. THE MASS PER YARD WIDTH OF ROLL IS THE TOTAL MASS ON THE ROLL DIVIDED BY THE TOTAL ROLL WIDTH. WHERE A SMOOTH-WHEELED ROLLER HAS MORE THAN ONE AXLE. THE MACHINE SHALL BE ASSESSED ON THE BASIS OF THE AXLE GIVING THE HIGHEST VALUE OF MASS PER YARD WIDTH.

D) A TAMPING ROLLER, FOR THE PURPOSE OF THIS SPECIFICATION, IS A MACHINE WITH A ROLL OR ROLLS FROM WHICH 'FEET' PROJECT. THE PROJECTED END AREA OF EACH FOOT SHALL EXCEED 0.11SQ.FT AND THE SUM OF THE AREAS OF FEET SHALL EXCEED 15 PER CENT OF THE AREA OF THE CYLINDER SWEPT BY ENDS OF THE FEET. THE REQUIREMENTS FOR TAMPING ROLLERS APPLY TO MACHINES THAT HAVE 2 ROLLS IN TANDEM. IF ONLY ONE TAMPING ROLL TRAVERSES EACH POINT ON THE SURFACE OF THE LAYER ON ANY ONE PASS OF THE MACHINE. THE MINIMUM NUMBER OF PASSES SHALL BE TWICE THE NUMBER GIVEN IN TABLE 2.1

WHEELS.

F) IN ASSESSING THE NUMBER OF PASSES OF PNEUMATIC-TYRED ROLLER THE EFFECTIVE WIDTH SHALL BE THE SUM OF THE WIDTHS OF THE INDIVIDUAL WHEEL TRACKS TOGETHER WITH THE SUM OF THE SPACING NOT EXCEEDING 10 INCHES. WHERE THE SPACING EXCEEDS 10 INCHES THE EFFECTIVE WIDTH SHALL BE THE SUM OF THE WIDTHS OF THE INDIVIDUAL WHEEL TRACKS ONLY.

G) VIBRATING ROLLERS ARE SELF-PROPELLED OR TOWED SMOOTH WHEELED ROLLERS HAVING MEANS OF APPLYING MECHANICAL VIBRATION TO ONE OR MORE ROLLS.

H) THE REQUIREMENTS FOR VIBRATING ROLLERS ARE BASED ON THE USE OF THE LOWEST GEAR ON A SELF-PROPELLED MACHINE WITH MECHANICAL TRANSMISSION AND A SPEED OF 0.93 -1.55 MPH FOR A TOWED MACHINE, OR A SELF-PROPELLED MACHINE WITH HYDROSTATIC TRANSMISSION. IF HIGHER GEAR SPEEDS ARE USED AN INCREASED NUMBER OF PASSES SHALL BE PROVIDED IN PROPORTION TO THE INCREASE ON SPEED TO TRAVEL.

I) WHERE THE MECHANICAL VIBRATING IS APPLIED TO TWO ROLLS IN TANDEM, THE MINIMUM NUMBER OF PASSES SHALL BE HALF THE NUMBER GIVEN IN TABLE 2.1 FOR THE APPROPRIATE MASS PER YARD WIDTH OF THE ONE VIBRATING ROLL. IF ONE ROLL DIFFERS IN MASS PER YARD WIDTH FROM THE OTHER THE NUMBER OF PASSES SHALL BE CALCULATED AS FOR THE ROLL WITH THE SMALLEST VALUE. ALTERNATIVELY THE MACHINE MAY BE TREATED AS HAVING A SINGLE VIBRATING ROLL MISSING LINE WITH THE HIGHER VALUE.

TRAVEL.

P) POWER RAMMERS ARE MACHINES, WHICH ARE ACTUATED BY EXPLOSIONS IN AN INTERNAL COMBUSTION CYLINDER, EACH EXPLOSION BEING CONTROLLED MANUALLY BY THE OPERATOR.

Q) IN THE CASE OF POWER RAMMERS AND DROPPING WEIGHT COMPACTORS ONE PASS WILL BE CONSIDERED AS MADE WITH THE COMPACTING SHOE HAS MADE ON STRIKE ON THE AREA IN QUESTION.

R) FOR ITEMS MARKED * THE ROLLERS SHALL BE TOWED BY TRACK LAYING TRACTORS. SELF-PROPELLED ROLLERS ARE UNSUITABLE.

S) WHERE COMBINATIONS OF DIFFERENT TYPES OF CATEGORIES OF PLANT ARE USED. THE COMPACTION REQUIREMENTS SHALL BE DECIDED UPON BY THE PROJECT ENGINEER, IN ACCORDANCE WITH TABLE 2.1.

2.3 PREPARATION OF FILL AREAS: UNLESS OTHERWISE REQUIRED BY THE CONTRACT THE NATURAL GROUND OVER WHICH FILLING IS TO BE PLACE SHALL BE CLEARED OF ALL LOOSE BOULDERS, GRASS, PRODUCTIVE SOIL, BUSHES, TREES, ROOTS AND OTHER VEGETATION. NO FILLING MATERIAL SHALL BE PLACED UNTIL ALL WATERCOURSES HAVE BEEN DIVERTED OR UNDER DRAINED. ALL POTHOLES OR CAVITIES DISCOVERED SHALL BE OPENED UP, FILLED AND COMPACTED BEFORE ANY FILLING TAKES PLACE. 2.4 FORMING OF EMBANKMENTS: ALL FILLING MATERIAL SHALL BE OBTAINED FROM APPROVED BORROW AREAS OR

FROM OTHER SOURCES APPROVED BY THE PROJECT ENGINEER. 2.4.1 EMBANKMENTS SHALL BE FORMED OF MATERIAL DEFINED AS SUITABLE MATERIAL IN CLAUSE 4.1 THE MATERIAL SHALL BE DEPOSITED AND COMPACTED AS SOON AS PRACTICABLE AFTER EXCAVATION IN ACCORDANCE WITH CLAUSE 4.7. EMBANKMENTS SHALL BE BUILT UP EVENLY OVER THE FULL WIDTH AND SHALL BE MAINTAINED AT ALL TIMES WITH A SURFACE OF SUFFICIENT CAMBER AND SUFFICIENTLY EVEN TO ENABLE SURFACE WATER TO DRAIN READILY FROM THEM. DAMAGE TO COMPACTED LAYERS BY CONSTRUCTION TRAFFIC SHALL BE REPAIRED BY THE CONTRACTOR. 2.4.2 THE EXISTING GROUND BELOW EMBANKMENT AREAS SHALL BE CLEARED AS SPECIFIED IN 2.4, AND THEN RIPPED TO A DEPTH OF TWELVE INCHES (12") BELOW EXISTING GROUND LEVEL. THE RIPPED ROCK SHALL THEN BE WELL WALKED IN UNTIL IT WILL PASS A 4" GAUGE AND THOROUGHLY COMPACTED IN ACCORDANCE WITH TABLE 2.1. 2.4.3 ROCK USED, AS FILL SHALL BE OF SUCH SIZE THAT IT CAN BE DEPOSITED IN HORIZONTAL LAYERS, EACH NOT EXCEEDING 18 INCHES LOOSE DEPTH AND EXTENDING OVER THE FULL WIDTH OF THE EMBANKMENTS. MATERIALS SHALL BE SPREAD AND LAID BY A CRAWLER TRACTOR WEIGHING NOT LESS THAN 15 TONS AND COMPACTED IN ACCORDANCE WITH CLAUSE 3.2. EACH LAYER SHALL CONSIST OF REASONABLY GRADED ROCK AND ALL SURFACE VOIDS SHALL BE FILLED WITH BROKEN FRAGMENTS BEFORE THE NEXT LAYER IS PLACED. THE TOP SURFACE AND SIDE SLOPES OF EMBANKMENTS SO FORMED SHALL BE THOROUGHLY BLINDED WITH APPROVED FINE GRADED MATERIALS TO SEAL

THE SURFACE. 2.4.4 IF THE CONTRACTOR WISHES TO CONTINUE TO USE THE SURFACE OF EMBANKMENTS FOR CONSTRUCTION TRAFFIC BEFORE TRIMMING TO FORMATION LEVEL HE SHALL BRING UP AND MAINTAIN THE SURFACE TO A LEVEL NOT LESS THAN 6 INCHES ABOVE FORMATION LEVEL. ANY DAMAGE TO THE SUBGRADE CAUSE BY THE USE OF SUCH SURFACE SHALL BE MADE GOOD BY THE CONTRACTOR AT HIS OWN EXPENSE. 2.5 COMPACTION

ALL MATERIAL SHALL BE COMPACTED AS SOON AS PRACTICABLE AFTER DEPOSITION. THE PERCENTAGE COMPACTION SHALL EQUAL OR EXCEED 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. AS A GUIDELINE TABLE 2.1 GIVES COMPACTION REQUIREMENTS FOR TYPES OF EQUIPMENT. DEPTH OF LAYER AND NUMBER OF PASSES. LISTED BELOW ARE THE DEFINITIONS AND CLASSIFICATIONS ASSOCIATED WITH TABLE 2.1

TABLE 2.1 COMPACTION REQUIREMENTS D= MAXIMUM DEPTH OF COMPACTED LAYER (INCHES) N= MINIMUM NUMBER OF PASSES

IF ICTION	CATEGORY	UNIFOI GRAD MATE	ED
PER YD WIDTH (OF ROLL:	D	Ν
H- ED R	OVER 0.71T UP TO 0.91T OVER 0.91T UP TO 1.80T OVER 1.81T	5 5 UNSU	10* 8* ITABLE
OLLER	OVER 0.91T UP TO 1.81T OVER 1.81T UP TO 1.82T OVER 1.82T		10* TABLE ITABLE
IG R	OVER 4.41T	10	4
ING R	MASS PER YARD WIDTH OF A VIBRATING ROLL:		
	OVER 0.09T UP TO 0.15T OVER 0.15T UP TO 0.24T OVER 0.24T UP TO 0.44T OVER 0.44T UP TO 0.60T OVER 0.60T UP TO 0.77T OVER 0.77T UP TO 0.97T OVER 0.97T UP TO 1.21T OVER 1.21T UP TO 1.44T OVER 1.44T UP TO 1.68T OVER 1.68T	6 6 8 9 10 11 12 12 12	16 12 6 10* 12* 10* 8* 8* 6* 4*

2.6 NOTES TO TABLE 2.1

A) THE DEPTH OF COMPACTED LAYER IS THE HEIGHT BY WHICH THE EMBANKMENT IS RAISED BY EACH SUCCESSIVE COMPACTED LAYER.

THE NUMBER OF PASSES IS THE NUMBER OF TIMES THAT EACH POINT ON THE SURFACE OF THE LAYER BEING COMPACTED HAS BEEN TRAVERSED BY THE ITEM OF COMPACTION PLANT.

E) FOR PNEUMATIC-TYRED ROLLERS MASS PER WHEEL IS THE TOTAL MASS OF THE ROLLER DIVIDED BY THE NUMBER OF

J) VIBRATING TYPE ROLLERS OPERATING WITHOUT VIBRATION WILL BE CLASSIFIED AS SMOOTH-WHEELED ROLLERS.

K) VIBRATING ROLLERS SHALL BE OPERATED WITH THEIR VIBRATORY MECHANISM OPERATING ONLY AT THE FREQUENCY OF VIBRATION RECOMMENDED BY THE MANUFACTURERS. ALL SUCH ROLLERS SHALL BE EQUIPPED OR PROVIDED WITH A DEVICE AUTOMATICALLY INDICATING THE FREQUENCY AT WHICH THE MECHANISM IS OPERATING.

L) VIBRATING-PLATE COMPACTORS ARE MACHINES HAVING A BASE PLATE TO WHICH IS ATTACHED A SOURCE OF VIBRATION CONSISTING OF ONE OR TWO ECCENTRICALLY WEIGHTED SHAFTS.

M) THE MASS PER UNIT AREA OF BASE-PLATE OF A VIBRATING PLATE COMPACTOR IS CALCULATED BY DIVIDING THE TOTAL MASS OF THE MACHINE IN IT'S WORKING CONDITION BY IT'S AREA IN CONTACT WITH COMPACTED SOIL.

N) VIBRATING-PLATE COMPACTORS SHALL BE OPERATED AT THE FREQUENCY OF VIBRATION RECOMMENDED BY THE MANUFACTURERS. THEY SHALL NORMALLY BE OPERATED AT TRAVELLING SPEEDS OF LESS THAN 0.62MPH BUT IF HIGHER SPEEDS ARE NECESSARY THE NUMBER OF PASSES SHALL BE INCREASED IN PROPORTION TO THE INCREASE IN SPEED OF

O) VIBRO-TAMPERS ARE MACHINES IN WHICH AN ENGINE-DRIVEN RECIPROCATING MECHANISM ACTS ON A SPRING SYSTEM THROUGH WHICH OSCILLATIONS ARE SET UP IN A BASE-PLATE.



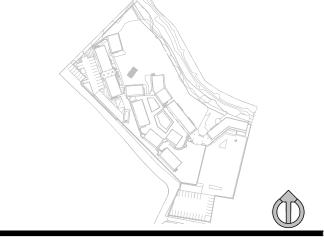
hest Potential Design, LLC nitects and Planne P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.con



Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918



ISSUANCES Drawing Issue Description Date



HIBISCUS HOTEL PHASE III -MAJOR CZM APPLICATION

109C, 109D, 109E, 109R, 109S, 109T La Grande Princesse St. Croix, U.S.V.I.

Hibiscus Beach, LLC

GENERAL NOTE

BUILDTEC, LLC DAMIAN CARTWRIGHT, P.E. Civil Engineer	Project No. 11/30/23 Date
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	Drawing No.

2.7 SUB-GRADE

AT SECTIONS TO BE RECONSTRUCTED OR WHERE CUTTING IS REQUIRED, THE EXISTING FORMATION SHALL BE SCARIFIED TO A DEPTH OF 6" BELOW FORMATION LEVEL.

THE SCARIFIED MATERIAL SHALL THEN BE SHAPED AND ROUGH GRADED, WATERED AND COMPACTED IN ACCORDANCE WITH TAB 6.1 AFTER HARD PLANNING TO ACHIEVE THE REQUIRED CROSS-FALL A FURTHER ROLLING OF ANY LOOSE MATERIAL SHALL BE CARRIED OUT UNTIL A SMOOTH SURFACE LAYER IS ACHIEVED, EXCEPT FOR VERGES. THEY SHALL BE LEFT WITH A ROUGH SURFACE TO RECEIVE THE SUBSEQUENT BASE LAYER.

2.8 BACKFILLING TO RETAINING WALLS

BACKFILL TO RETAINING WALLS SHALL BE PLACED IN LAYERS NOT EXCEEDING NINE INCHES (9") THICK AND THOROUGHLY, BUT NOT EXCESSIVELY, COMPACTED. IF NECESSARY THE MATERIAL SHALL BE WATERED.

2.9 SETTLEMENT

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING GOOD TO THE SATISFACTION OF THE PROJECT ENGINEER ALL SETTLEMENT IN FILLING AND IN BACKFILLING THAT MAY OCCUR UP TO THE END OF THE PERIOD OF MAINTENANCE.

2.10 EARTHWORK TO BE KEPT FREE OF WATER

THE CONTRACTOR SHALL PROVIDE WHERE NECESSARY TEMPORARY WATER COURSE, DITCHES, DRAINS, PUMPING OR OTHER MEANS OF MAINTAINING THE EARTHWORKS FREE OF WATER. SUCH WORK SHALL INCLUDE CARRYING OUT THE WORK OF FORMING THE CUTTINGS AND EMBANKMENTS IN SUCH A MANNER THAT THEIR SURFACES HAVE AT ALL TIMES A SUFFICIENT MINIMUM CROSS FALL AND, WHERE PRACTICABLE, A SUFFICIENT LONGITUDINAL GRADIENT TO ENABLE THEM TO SHED WATER AND PREVENT PONDING.

3 ROAD WORK

3.1 ALL MATERIAL WITHIN THE ROAD ALLOWANCE SHALL BE COMPACTED TO THE SATISFACTION OF THE PROJECT ENGINEER.

- 3.2 MINIMUM ACCEPTABLE COMPACTION REQUIREMENTS SHALL BE AS FOLLOWS:
 3.2.1 ROAD SUB-GRADE 24" BELOW ROAD SUB-BASE OR GREATER: 95% STANDARD PROCTOR DENSITY
- 3.2.2 ROAD SUB-GRADE LESS THAN 24" BELOW ROAD SUB-BASE: 98% STANDARD PROCTOR DENSITY

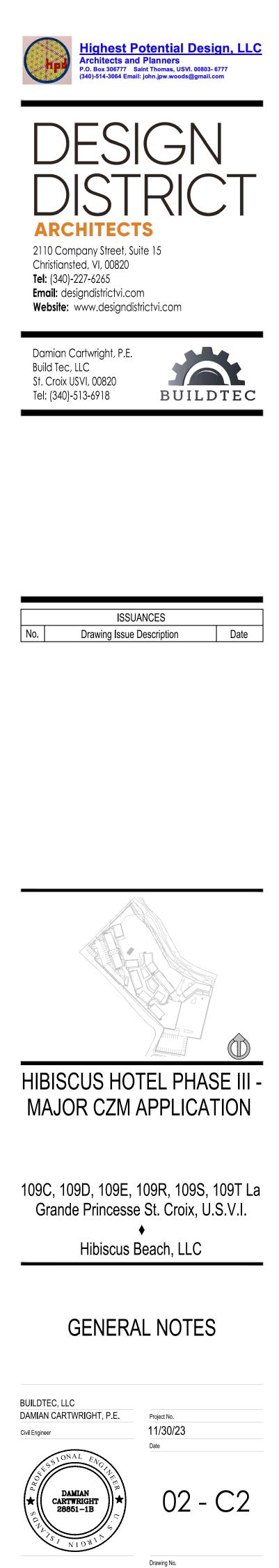
3.2.3 ROAD SUB-BASE & BASE: 100% STANDARD PROCTOR DENSITY
 D. ASPHALT BASE OR SURFACE COURSE: 97% OF MIX DESIGN DENSITY REGARDLESS OF DEPTH OF ASPHALT BEING PLACED.

3.3. SUB-GRADE PREPARATION: THE ENTIRE ROAD RESERVATION SHALL BE RIPPED ALL OVER TO A DEPTH OF 6" BELOW FORMATION LEVEL; THE RIPPED STONE SHALL THEN BE WELL WALKED IN UNTIL ALL PASS A 4" SCREEN. THE RIPPED STONE SHALL THEN BE ROUGH GRADED, SHAPED, WATERED AND THOROUGHLY COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY. A FURTHER ROLLING OF ANY LOOSE MATERIAL SHALL BE CARRIED OUT UNTIL A SMOOTH SURFACE IS ACHIEVED.

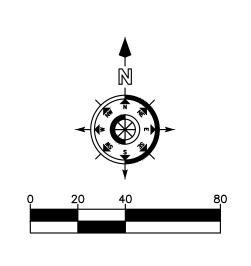
3.4 WHERE UNSTABLE OR ORGANIC SOIL IS FOUND TO EXIST BELOW THE PROPOSED ROAD SUB-BASE, ALL SUCH SOIL AND MATERIAL SHALL BE REMOVED TO A MINIMUM DEPTH OF 4' BELOW FINISH GRADE AND REPLACED WITH APPROVED MATERIAL AS DIRECTED BY THE PROJECT ENGINEER.

3.5 SUB-BASE AND BASE PREPARATION: CLEAN WELL-GRADED STONE FILL PASSING 2" MESH SHALL BE PLACED IN TWO LAYERS OF 4" EACH AND SEPARATELY COMPACTED TO SPECIFIED DENSITY AND PROPER CROSS FALL

3.6 ASPHALT COURSE: FLORIDA TYPE S-I AND S-III SPECIFICATION, AS PER FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION 1982. A 1½" STRUCTURAL COURSE AND A ¾" SURFACE/FRICTION COURSE SHALL BE PLACED AND COMPACTED ACCORDING TO SPECIFIED DENSITY AND PROPER CROSS FALL.









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	ISSUANCES
No.	Drawing Issue Description

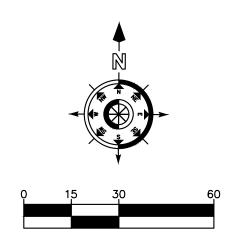
Date



DAMIAN CARTWRIGHT 28851-1B

02 - C3

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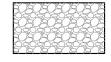


LEGEND

PROPERTY LINE

SILT FENCE

DRAINAGE FLOW

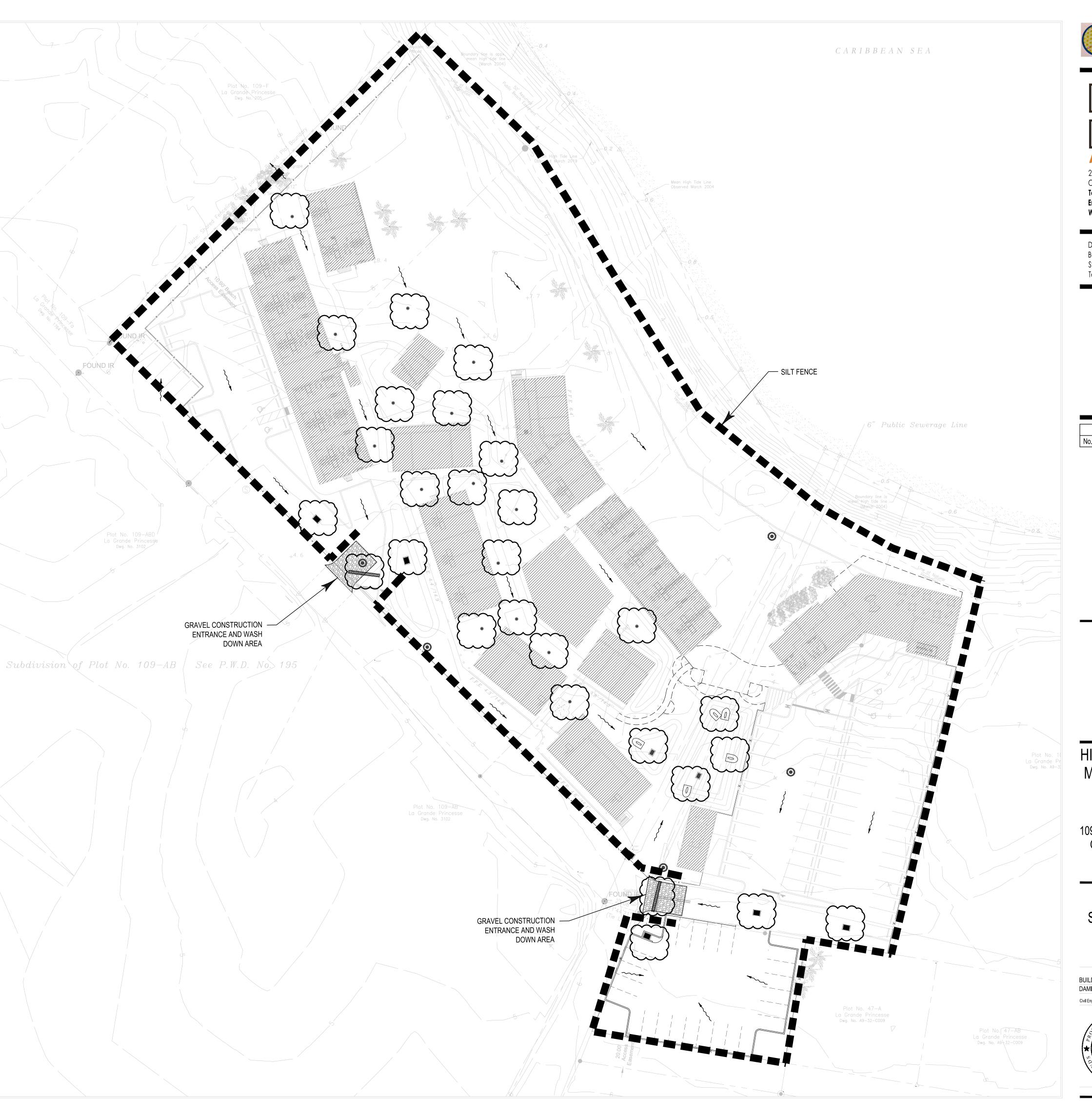


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GRAVEL CONSTRUCTION ENTRANCE AND WASH DOWN AREA

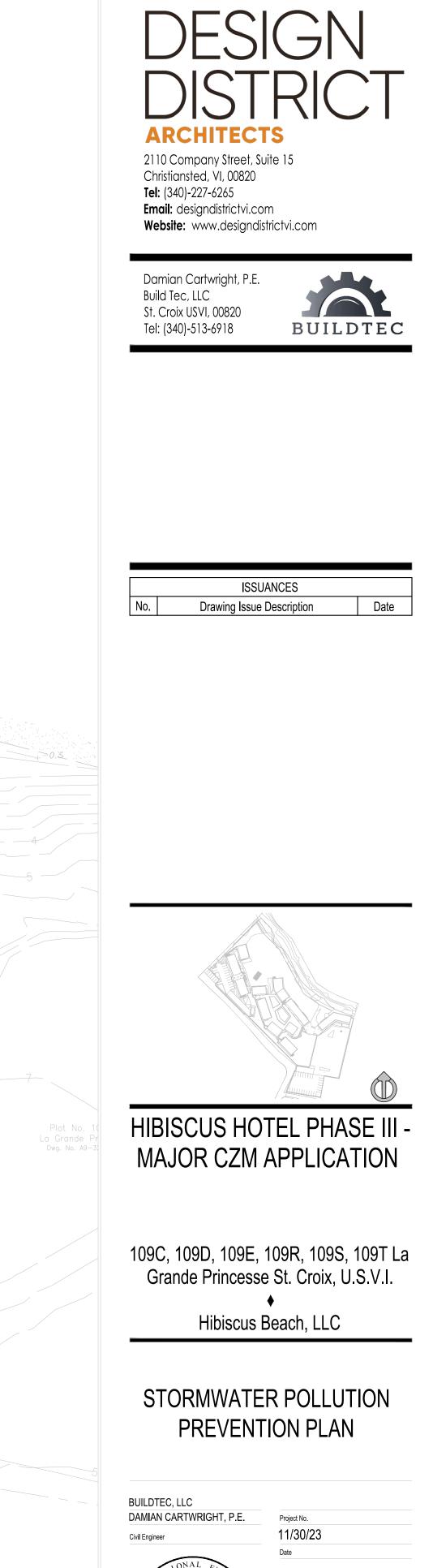
PLACE FILTER FABRIC BENEATH RIM OF NEW DRAINAGE INLETS/AREA DRAINS/TRENCH DRAINS AND HAY BALES AROUND PERIMETER OF NEW DRAINAGE INLETS/AREA DRAINS/TRENCH DRAINS

FOUND IR



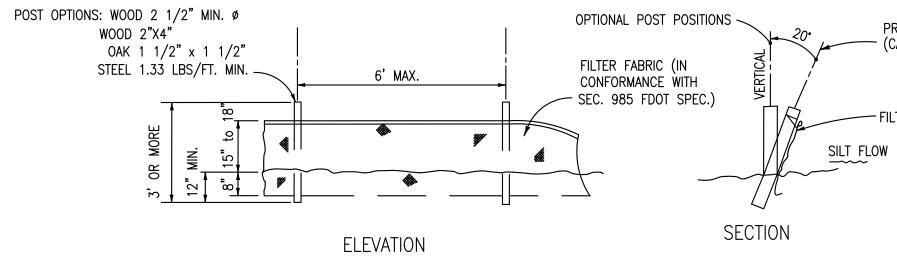


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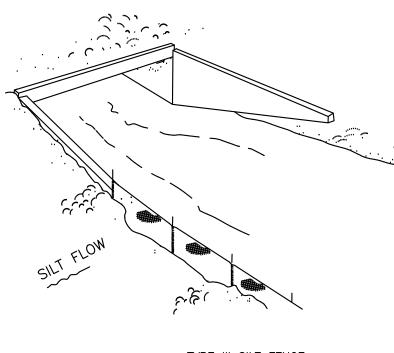
02 - C4

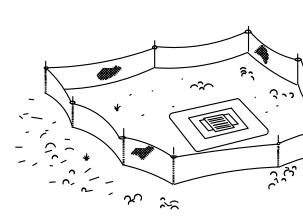
DAMIAN CARTWRIGHT 28851–1B



NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF). TYPE $\rm III$ SILT FENCE

PRINCIPLE POST POSITION - (CANTED 20° TOWARD FLOW)





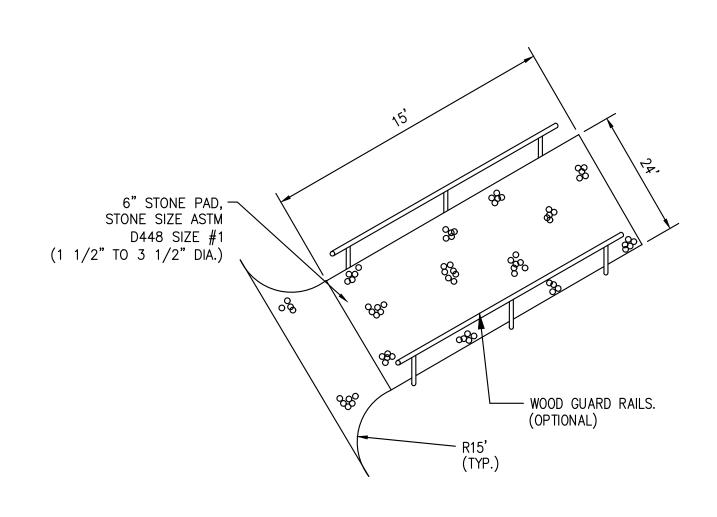
TYPE III SILT F<u>E</u>NCE

TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.

DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

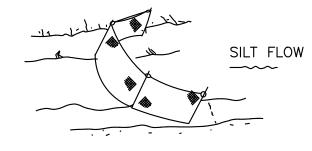
SILT FENCE APPLICATIONS

<u>TYPE III SILT FENCE</u> as per fdot standard index #102

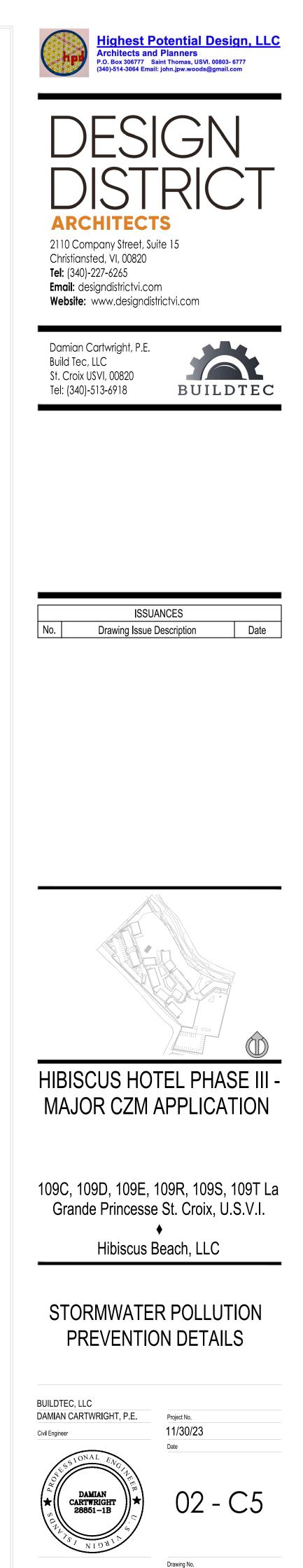


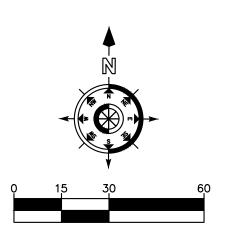
CONSTRUCTION ENTRANCE





NOTE: SPACING FOR TYPE III FENCE TO BE IN ACCORDANCE WITH CHART I, SHEET 1 OF 3 AND DITCH INSTALLATIONS AT DRAINAGE STRUCTURES SHEET 2 OF 3. TYPE III SILT FENCE





~ Dwg. No. 2050

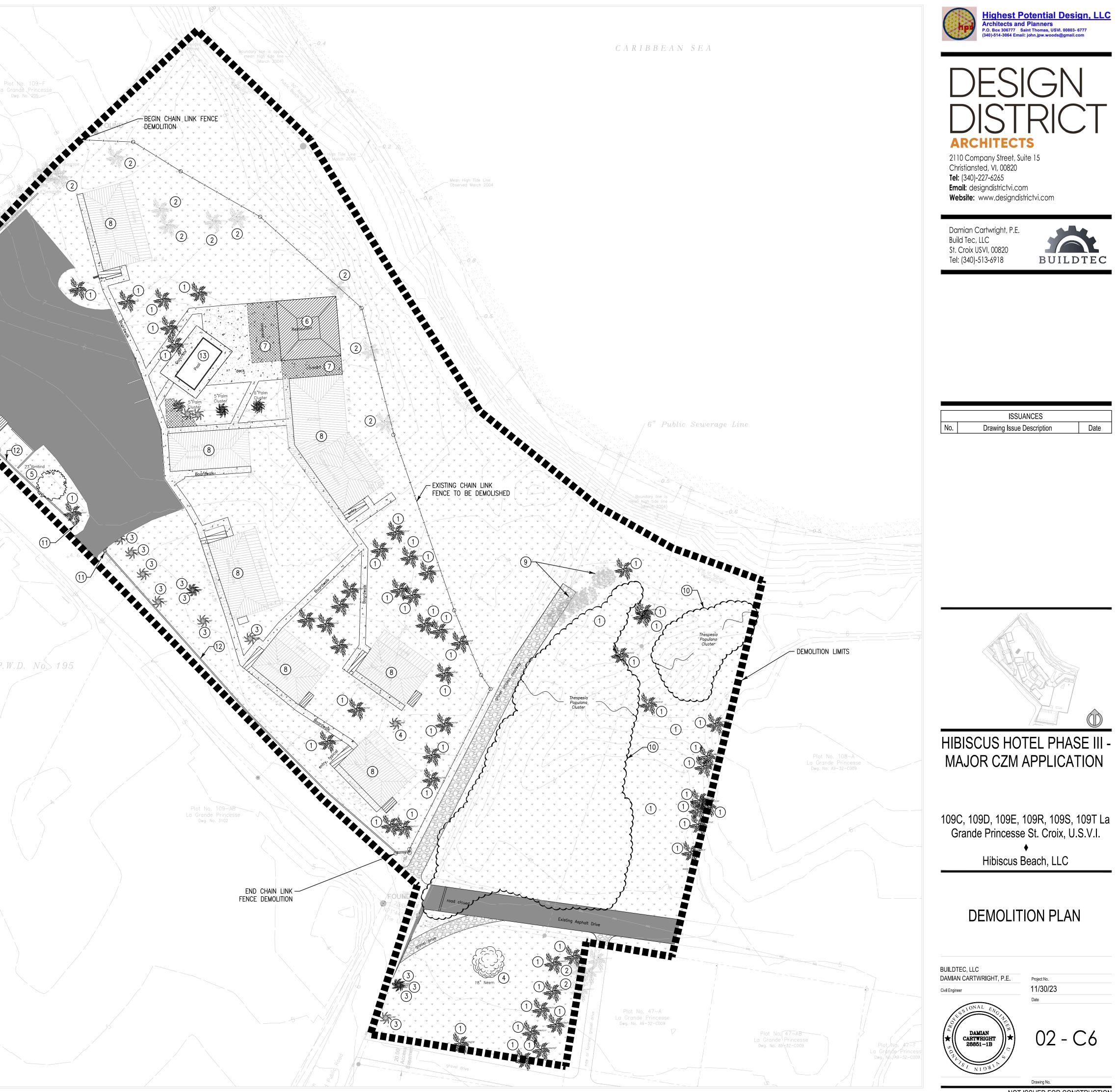
BEGIN CHAIN LINK FENCE -DEMOLITION

EXISTING CHAIN LINK ---FENCE TO BE DEMOLISHED

Subdivision of

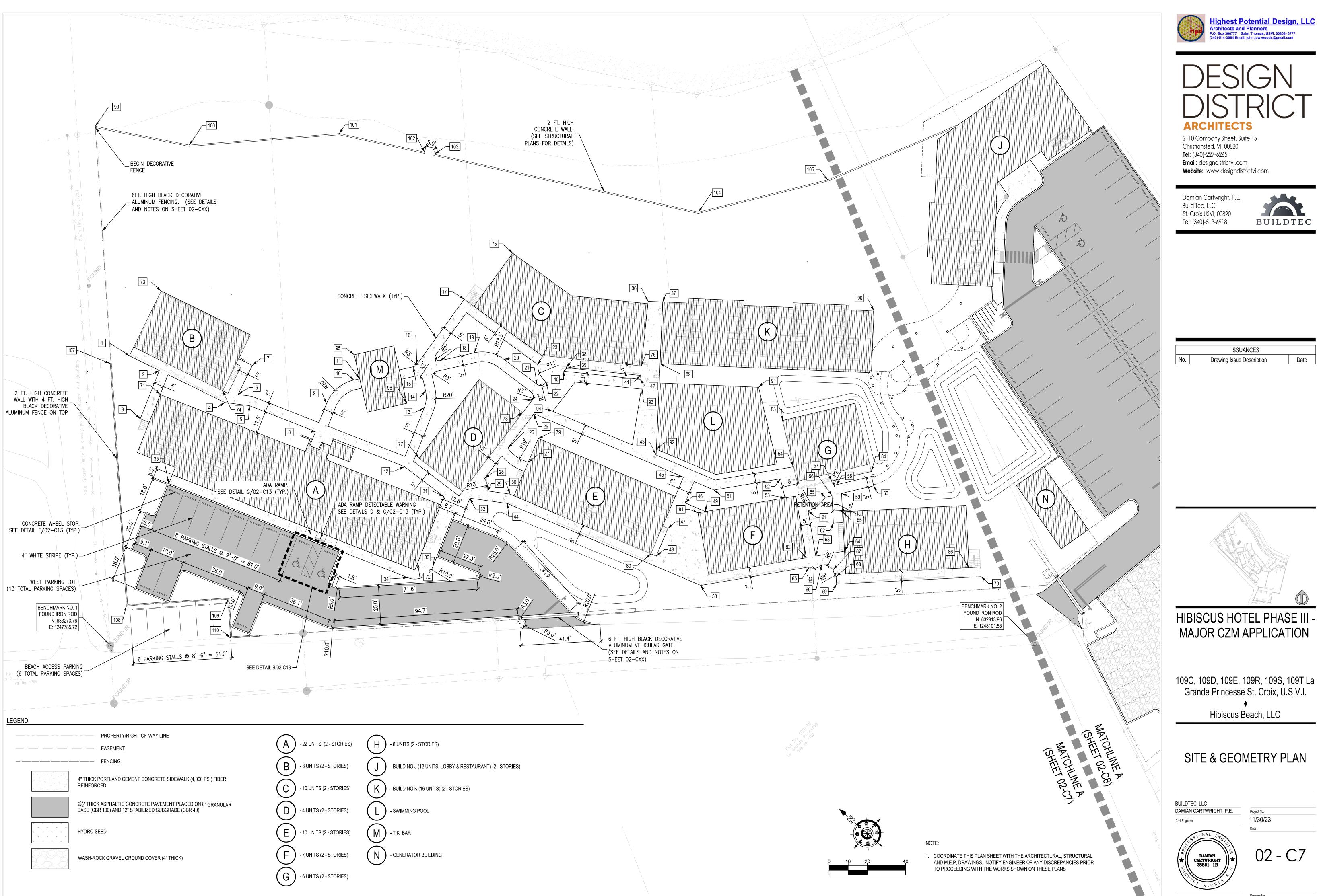
Plot No.

DEMOLITION LEGEND	Su
	DEMOLITION LIMITS
	BUILDING DEMOLITION
	GRAVEL DEMOLITION
	ASPHALTIC CONCRETE PAVEMENT DEMOLITION
	CONCRETE PAVEMENT/SIDEWALK DEMOLITION
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SOD DEMOLITION
1	COCONUT PALM TREE TO BE DEMOLISHED
2	COCONUT PALM TREE TO REMAIN
3	PALM TREE TO BE DEMOLISHED
4	NEEM TREE TO BE DEMOLISHED
5	ALMOND TREE TO BE DEMOLISHED
6	EXISTING BUILDING TO BE DEMOLISHED
7	EXISTING CANOPY STRUCTURE TO BE DEMOLISHED
8	EXISTING BUILDING TO REMAIN (SEE ARCHITECTURAL PLANS FOR RENOVATIONS)
9	EXISTING WHITE MANGROVE CLUSTER TO REMAIN
(10)	EXISTING SHRUB VEGETATION CLUSTER TO BE DEMOLISHED
(1)	EXISTING CONCRETE COLUMN/PILLARS TO BE DEMOLISHED
(12)	EXISTING 2 FT. HIGH CONCRETE LOW WALL WITH CHAIN LINK FENCING TO BE DEMOLISHED
(13)	EXISTING CONCRETE POOL STRUCTURE TO BE DEMOLISHED





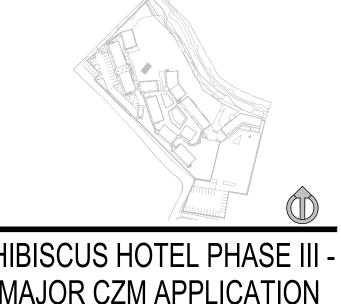
NOT ISSUED FOR CONSTRUCTION

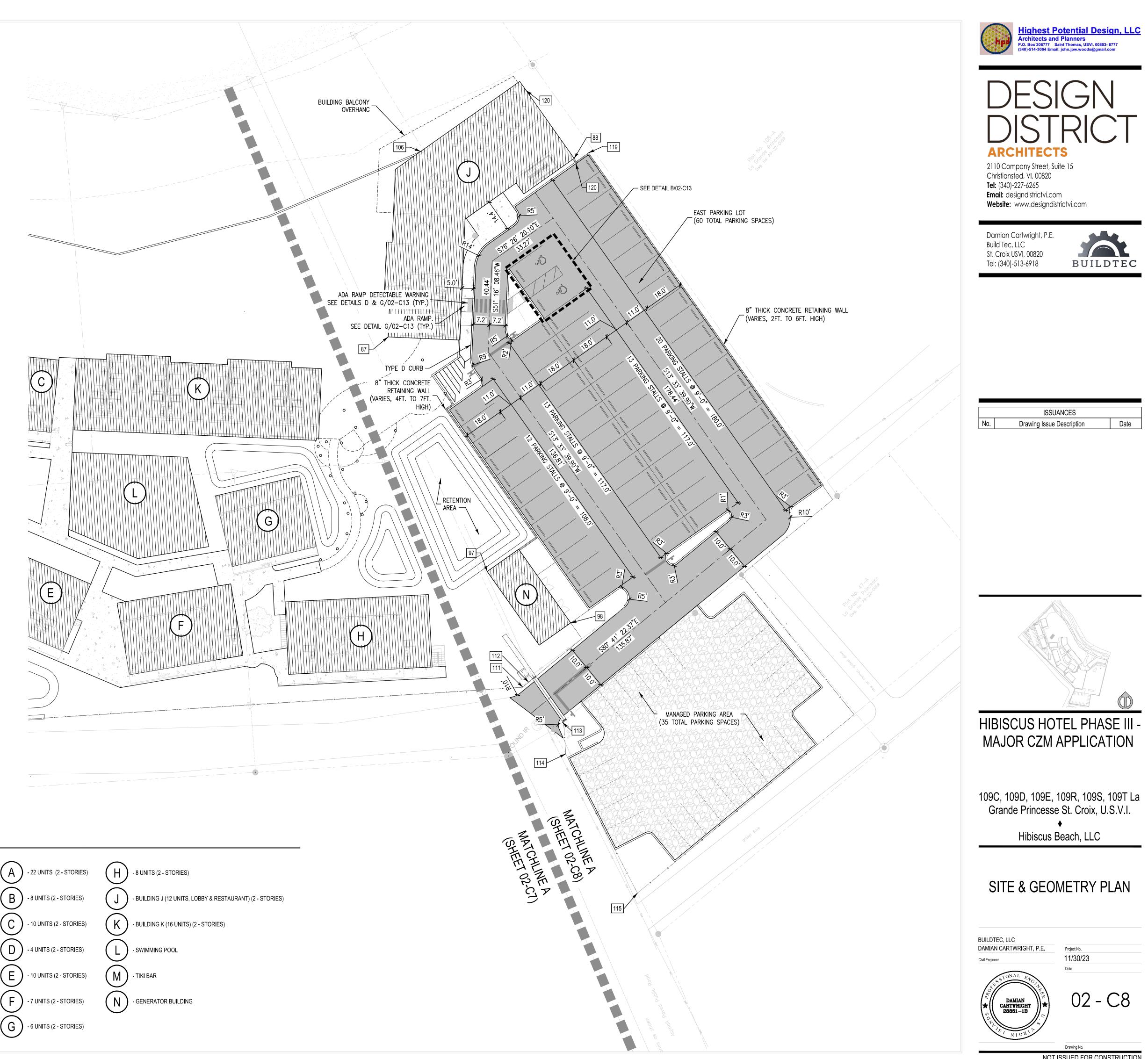


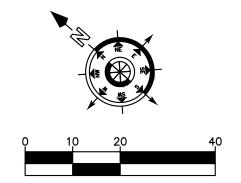




NL.		
No.	Drawing Issue Description	Date







NOTE:

4" THICK PORTLAND CEMENT CONCRETE SIDEWALK (4,000 PSI) FIBER

COORDINATE THIS PLAN SHEET WITH THE ARCHITECTURAL, STRUCTURAL AND M.E.P. DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORKS SHOWN ON THESE PLANS

LEGEND

PROPERTY/RIGHT-OF-WAY LINE ____ ___ EASEMENT

FENCING

REINFORCED

 $2\!/_2$ " THICK ASPHALTIC CONCRETE PAVEMENT PLACED ON 8" GRANULAR BASE (CBR 100) AND 12" STABILIZED SUBGRADE (CBR 40) HYDRO-SEED

WASH-ROCK GRAVEL GROUND COVER (4" THICK)

A - 22 UNITS (2 - STORIES) B) - 8 UNITS (2 - STORIES) (C) - 10 UNITS (2 - STORIES) D) - 4 UNITS (2 - STORIES) (E) F)

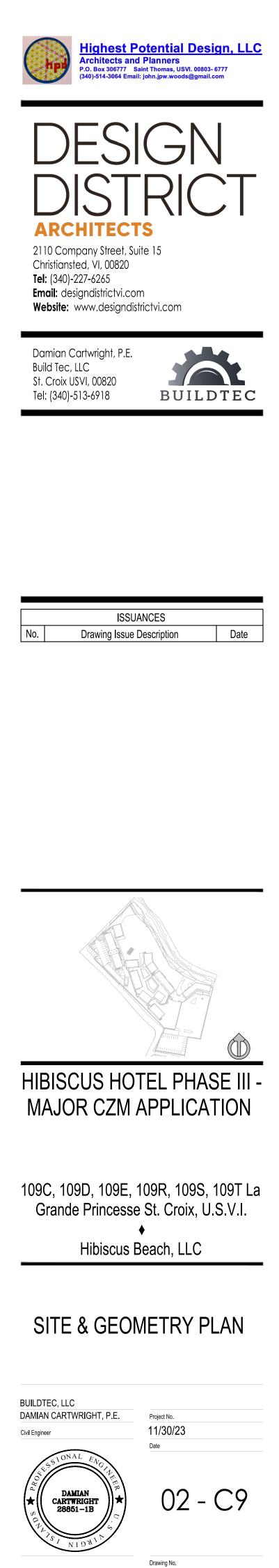
SIDEWALK	COORDINATE POINT T	ABLE (CONT'D.)
POINT #	NORTHING	EASTING
64	633019.90	1248072.87
65	633028.21	1248054.76
66	633024.17	1248059.72
67	633017.98	1248061.81
68	633014.48	1248060.11
69	633011.78	1248057.32
70	633957.95	1248109.55

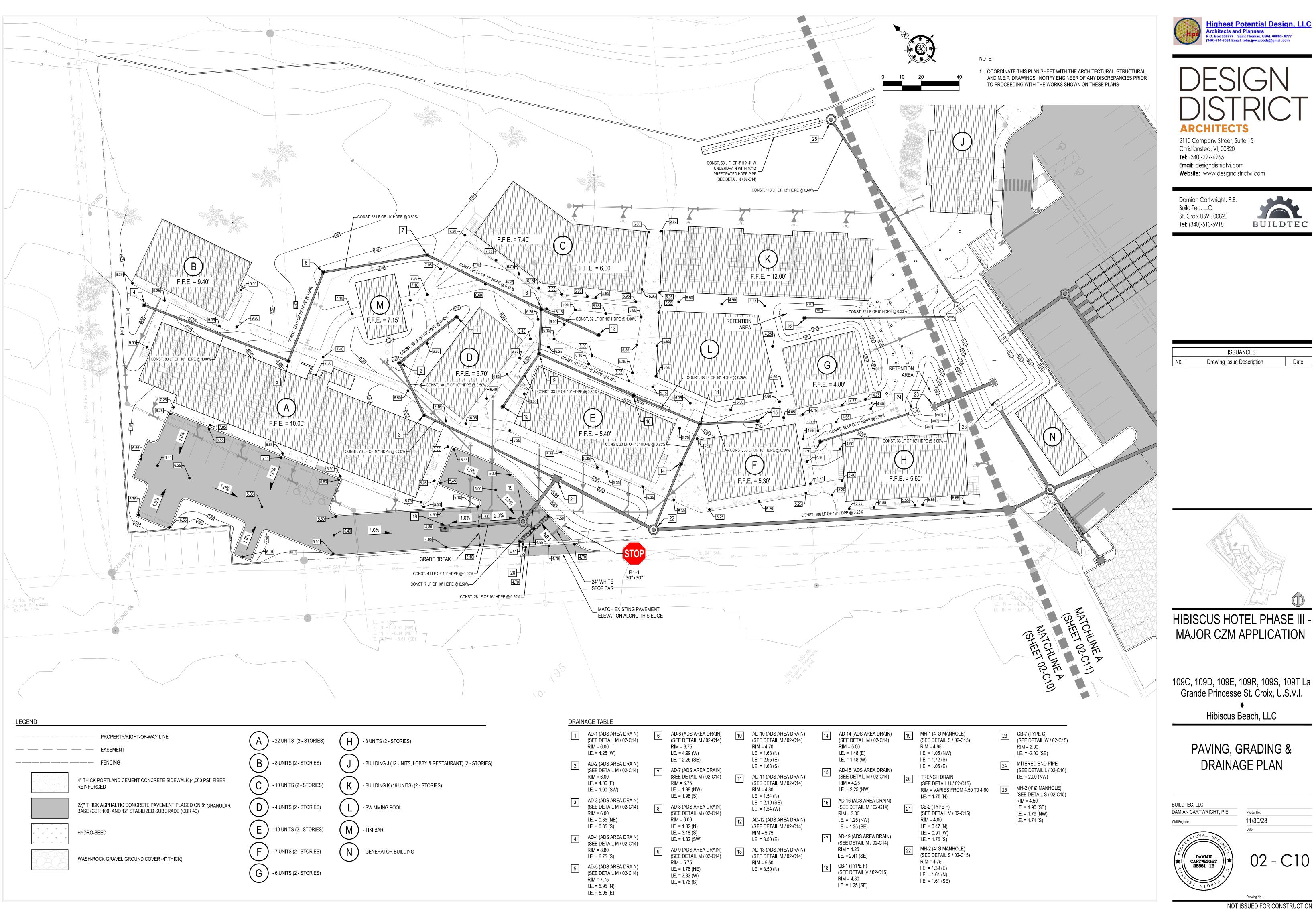
BUILDINGS / RECREATIONAL AREAS COORDINATE POINT TABLE

POINT #	NORTHING	EASTIN
71	633339.92	1247900.5
72	633182.15	1247922.7
73	633374.85	1247941.23
74	633316.87	1247923.3
75	633250.85	1248075.9
76	633162.29	1248075.8
77	633217.35	1247964.0
78	633192.56	1248017.14
79	633177.67	1248012.4
80	633094.42	1248005.8
81	633090.08	1248037.9
82	633032.59	1248057.3
83	633088.65	1248102.6
84	633036.64	1248113.12
85	633034.19	1248087.6
86	632965.74	1248108.9
87	633077.38	1248206.6
88	633067.42	1248321.1
89	633155.72	1248083.0
90	633090.33	1248176.5
91	633109.29	1248107.4
92	633127.96	1248048.4
93	633154.28	1248067.1
94	633181.27	1248027.9
95	633277.89	1247982.2
96	633240.85	1247981.2
97	632975.33	1248157.12
98	632932.26	1248164.3

POINT #	NORTHING	EASTING
1	633365.13	1247905.19
2	633348.48	1247909.67
3	633339.40	1247884.31
4	633312.04	1247919.50
5	633301.39	1247926.67
6	633309.61	1247927.16
7	633313.98	1247943.40
8	633266.78	1247939.07
9	633272.04	1247953.75
10	633269.39	1247972.27
11	633267.58	1247974.74
12	633220.10	1247955.80
13	633232.58	1247985.48
14	633237.87	1247992.55
15	633250.78	1247997.84
16	633250.22	1247999.87
17	633253.99	1248041.40
18	633242.52	1248009.18
19	633231.74	1248024.00
20	633218.04	1248031.57
21	633196.65	1248033.02
22	633193.92	1248037.15
23	633203.06	1248041.01
24	633193.12	1248025.24
25	633187.78	1248020.52
26	633186.27	1247998.29
27	633173.42	1247999.55
28	633184.93	1247978.57
29	633179.38	1247974.70
30	633169.63	1247981.06
31	633194.61	1247957.53
32	633183.92	1247965.77
33	633174.96	1247926.42
34	633181.00	1247913.63
35	633306.21	1247868.77
36	633181.65	1248103.29
37	633175.74	1248108.03
38	633191.01	1248049.48
39	633190.73	1248049.07
40	633190.61	1248047.32
40	633190.01	1248047.32
41	633159.41	1248071.76
43	633126.09	1248046.12
44	633167.44	1247976.51
45	633107.93	1248046.84
46	633098.48	1248037.33
47	633096.45	1248021.59
48	633091.49	1248006.81
49	633087.67	1248040.89
50	633064.25	1248010.53
51	633091.60	1248052.23
52	633069.57	1248079.27
53	633061.23	1248073.34
54	633068.59	1248088.38
55	633045.76	1248087.32
56	633043.70	1248090.22
57	633048.90	1248095.86
58	633045.70	1248096.05
59	633040.76	1248094.37
60	633030.84	1248094.37
61	633047.87	1248076.20
62	633033.83	1248080.04

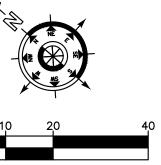
ING).59 2.77 .23 3.37 .91 .85 .00 .14 .45 .85 .93 .30 2.63 3.12 7.60 3.96 6.68 .13 3.06 .53 48 19 .93 .25 1.27 7.12 4.39





N	ISSUANCES	
No.	Drawing Issue Description	Date





NOTE:

1. COORDINATE THIS PLAN SHEET WITH THE ARCHITECTURAL, STRUCTURAL AND M.E.P. DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORKS SHOWN ON THESE PLANS



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DESIGNA DISTRICTS DISTRICTS DISTRICTS ARCHITECTS 210 Company Street, Suite 15 Christiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com Website: www.designdistrictvi.com

Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918



ISSUANCES
No. Drawing Issue Description Date

HIBISCUS HOTEL PHASE III -			
MAJOR CZM APPLICATION			
109C, 109D, 109E, 109R, 109S, 109T La Grande Princesse St. Croix, U.S.V.I. ♦ Hibiscus Beach, LLC			
PAVING, GRADING & DRAINAGE PLAN			
BUILDTEC, LLC DAMIAN CARTWRIGHT, P.E. Project No.			
Civil Engineer 11/30/23			
Date			
$\begin{array}{c} & & \\ & & \\ & \\ & \\ & \\ & \\ & \\ & \\ & $			

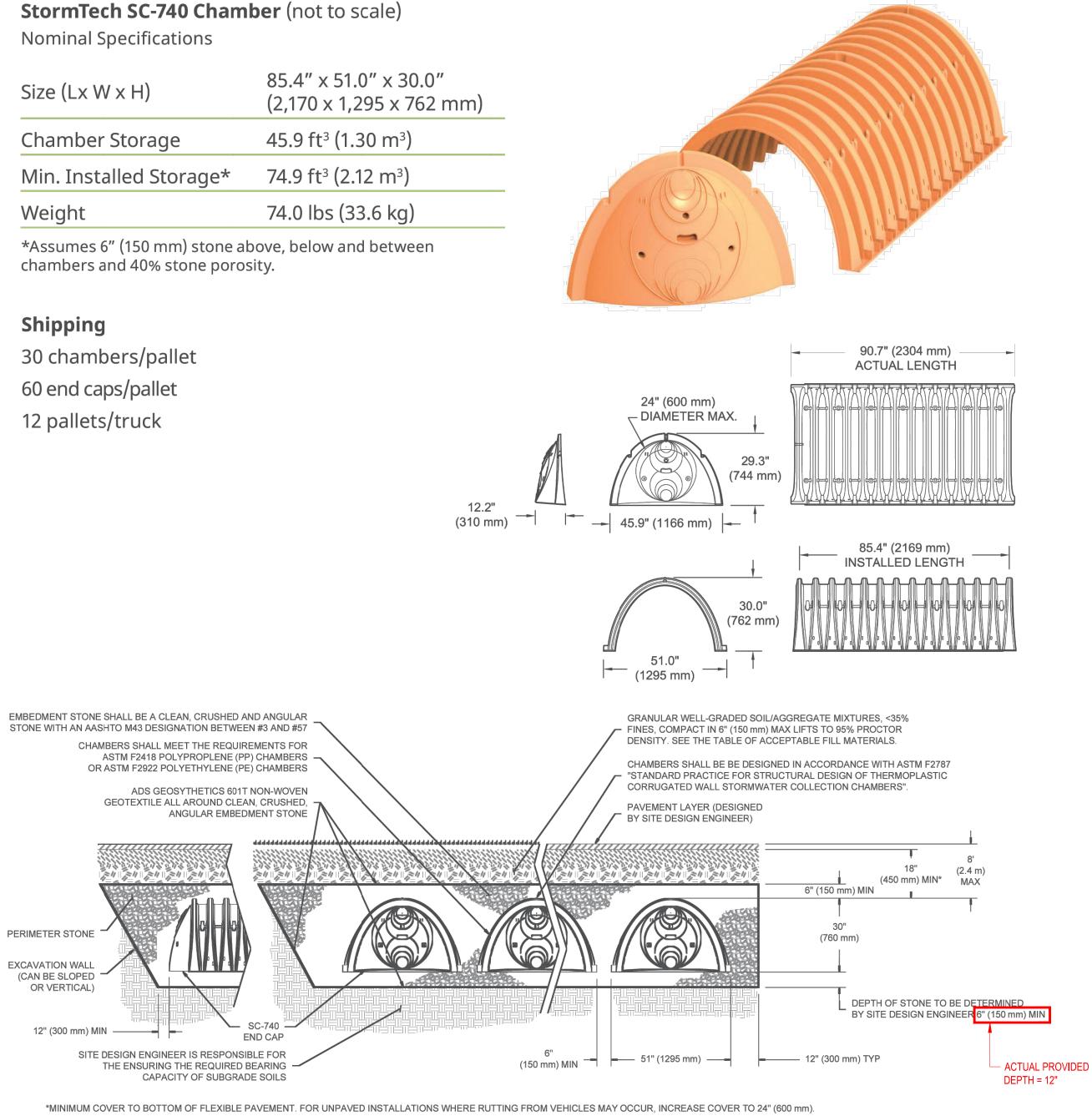
Drawing No.

SC-740 Chamber

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots, thus maximizing land usage for private (commercial) and public applications. StormTech chambers can also be used in conjunction with Green Infrastructure, thus enhancing the performance and extending the service life of these practices.

StormTech SC-740 Chamber (not to scale)

Size (Lx W x H)	85.4" x 51.0" x 30.0" (2,170 x 1,295 x 762 mm)	
Chamber Storage	45.9 ft ³ (1.30 m ³)	
Min. Installed Storage*	74.9 ft ³ (2.12 m ³)	
Weight	74.0 lbs (33.6 kg)	

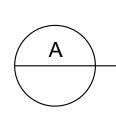


The installed chamber system shall provide the load factors specified in the aashto lrfd bridge design specifications section 12.12 for earth and live loads, with consideration for impact and multiple vehicle presences.

SC-740 Cumulative Storage Volumes per chamber Assumes 40% Stone Porosity. Calculations are Based Upon a 6" (150 mm) Stone Base Under Chambers.

1			
Depth of Water in System	Cumulativ Chamber Sto		Total System Cumulative
in. (mm)	ft ³ (m ³)	laye	Storage ft ³ (m ³)
42 (1067)	▲ 45.90 (1	I.300)	74.90 (2.121)
41 (1041)	45.90 (1	1.300)	73.77 (2.089)
40 (1016)	Stone 45.90 (1	1.300)	72.64 (2.057)
39 (991)	Cover 45.90 (1	1.300)	71.52 (2.025)
38 (965)	45.90 (*	1.300)	70.39 (1.993)
37 (940)	♦ 45.90 (*	1.300)	69.26 (1.961)
36 (914)	45.90 (*	1.300)	68.14 (1.929)
35 (889)	45.85 (*	1.298)	66.98 (1.897)
34 (864)	45.69 (*	1.294)	65.75 (1.862)
33 (838)	45.41 (*	1.286)	64.46 (1.825)
32 (813)	44.81 (*	1.269)	62.97 (1.783)
31 (787)	44.01 (*	1.246)	w61.36 (1.737)
30 (762)	43.06 (1.219)	59.66 (1.689)
29 (737)	41.98 (1.189)	57.89 (1.639)
28 (711)	40.80 (1.155)	56.05 (1.587)
27 (686)	39.54 (1.120)	54.17 (1.534)
26 (660)	38.18 (1.081)	52.23 (1.479)
25 (635)	36.74 (*	1.040)	50.23 (1.422)
24 (610)	35.22 (0).977)	48.19 (1.365)
23 (584)	33.64 (0).953)	46.11 (1.306)
22 (559)	31.99 (().906)	44.00 (1.246)
21 (533)	30.29 (0).858)	1.85 (1.185)
20 (508)	28.54 (0).808)	39.67 (1.123)
19 (483)	26.74 (0).757)	37.47 (1.061)
18 (457)	24.89 (0).705)	35.23 (0.997)
17 (432)	23.00 (0.651)	32.96 (0.939)
16 (406)	21.06 (0).596)	30.68 (0.869)
15 (381)	19.09 (0).541)	28.36 (0.803)
14 (356)	17.08 (0		26.03 (0.737)
13 (330)	15.04 (0).426)	23.68 (0.670)
12 (305)	12.97 (0	~	21.31 (0.608)
11 (279)	10.87 (0		18.92 (0.535)
10 (254)	8.74 (0		16.51 (0.468)
9 (229)	6.58 (14.09 (0.399)
8 (203)	4.41 (11.66 (0.330)
7 (178)	2.21 (0		9.21 (0.264)
6 (152)	1	0 (0)	6.76 (0.191)
5 (127)		0 (0)	5.63 (0.160)
4 (102)	Stone	0 (0)	4.51 (0.128)
3 (76)	Foundation	0 (0)	3.38 (0.096)
2 (51)		0 (0)	2.25 (0.064)
1 (25)	*	0 (0)	1.13 (0.032)

Note: Add 1.13 ft³ (0.032 m³) of storage for each additional inch (25 mm) of stone foundation.



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ft ³ (m ³) Chamber Foundation			er and Stone າ Depth in. (mm)	
	Storage ft³ (m³)	6 (150)	12 (300)	18 (450)
SC-740	45.9 (1.3)	74.9 (2.1)	81.7 (2.3)	88.4 (2.5)

Note: Assumes 6" (150 mm) stone above chambers, 6" (150 mm) row spacing and 40% stone porosity.

Amount of Stone Per Chamber

	Stone Foundation Depth			
ONS (yds³)	6	12	16	
SC-740	3.8 (2.8)	4.6 (3.3)	5.5 (3.9)	
OGRAMS (m ³)	150 mm	300 mm	450 mm	
SC-740	3,450 (2.1)	4,170 (2.5)	4,490 (3.0)	

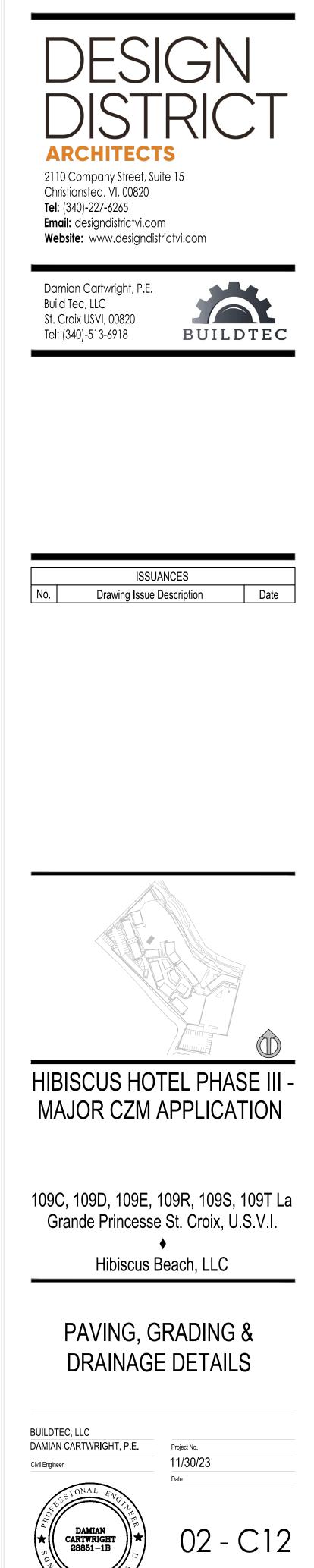
Note: Assumes 6" (150 mm) of stone above and between chambers.

Volume Excavation Per Chamber

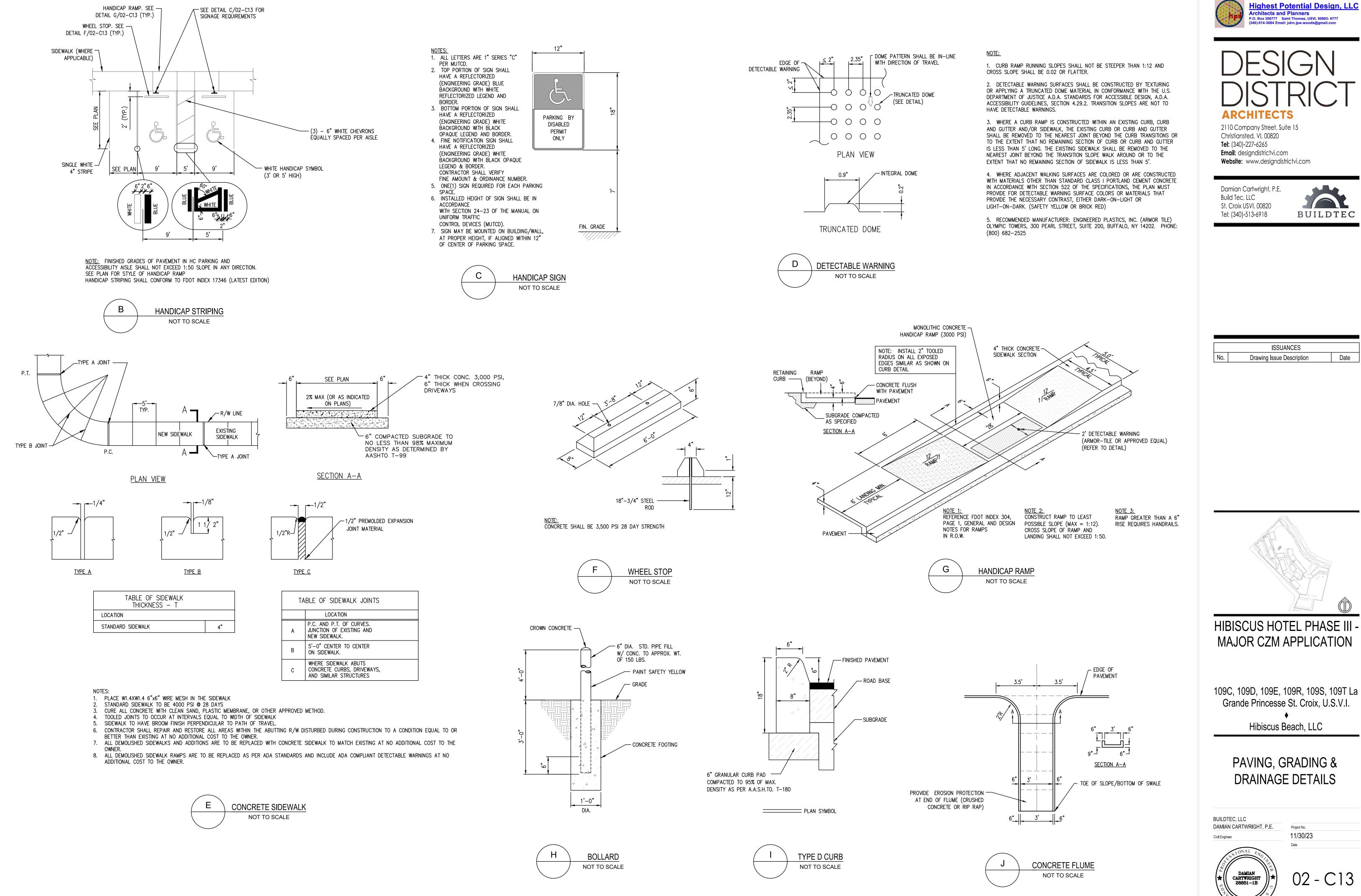
d3 (m3)	Stone Foundation Depth			
d³ (m³)	6 (150)	12 (300)	18 (450)	
SC-740	5.5 (4.2)	6.2 (4.7)	6.8 (5.2)	

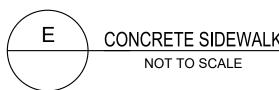
Note: Assumes 6" (150 mm) of row separation and 18" (450 mm) of cover. The volume of excavation will vary as depth of cover increases.





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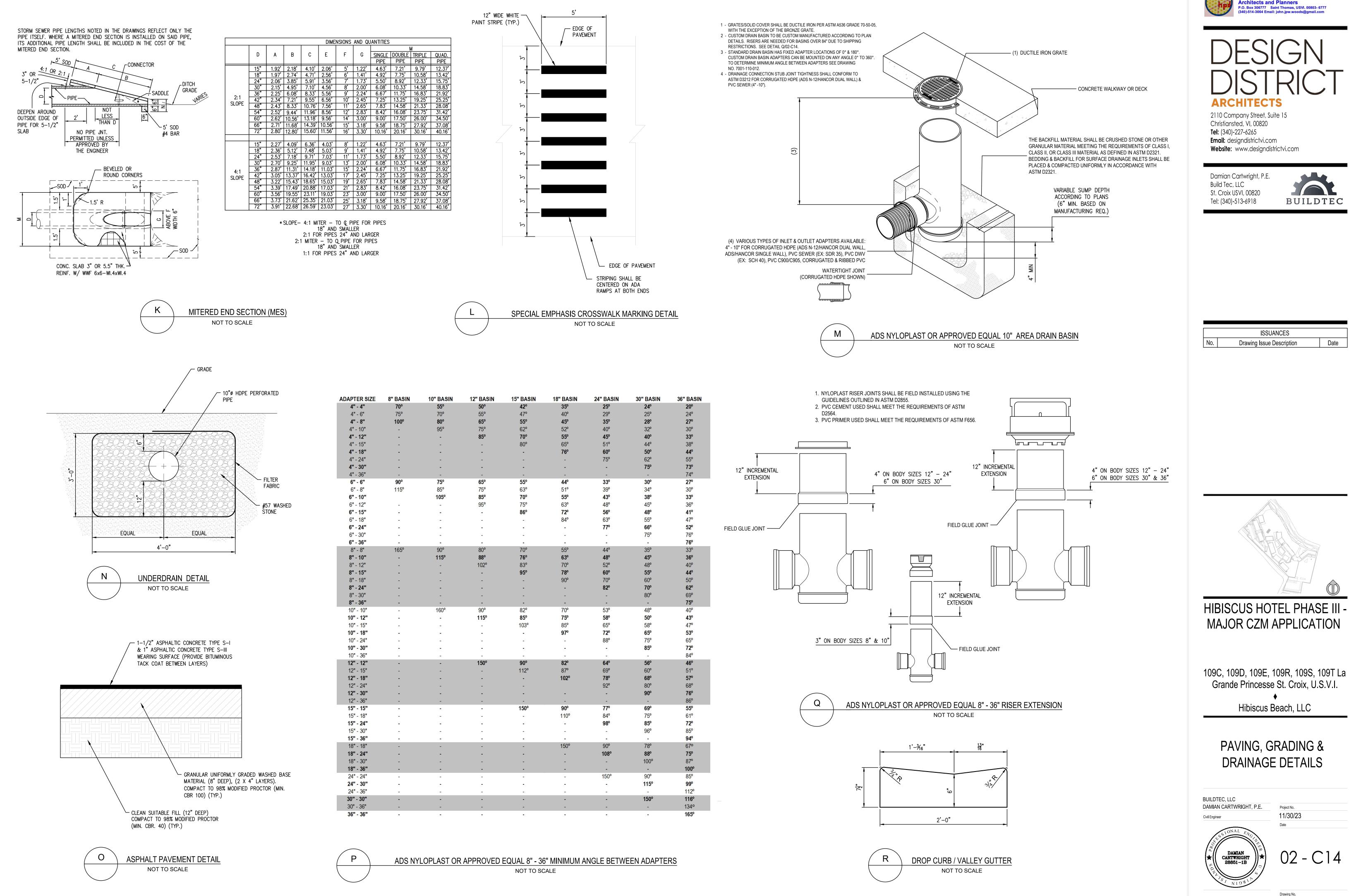




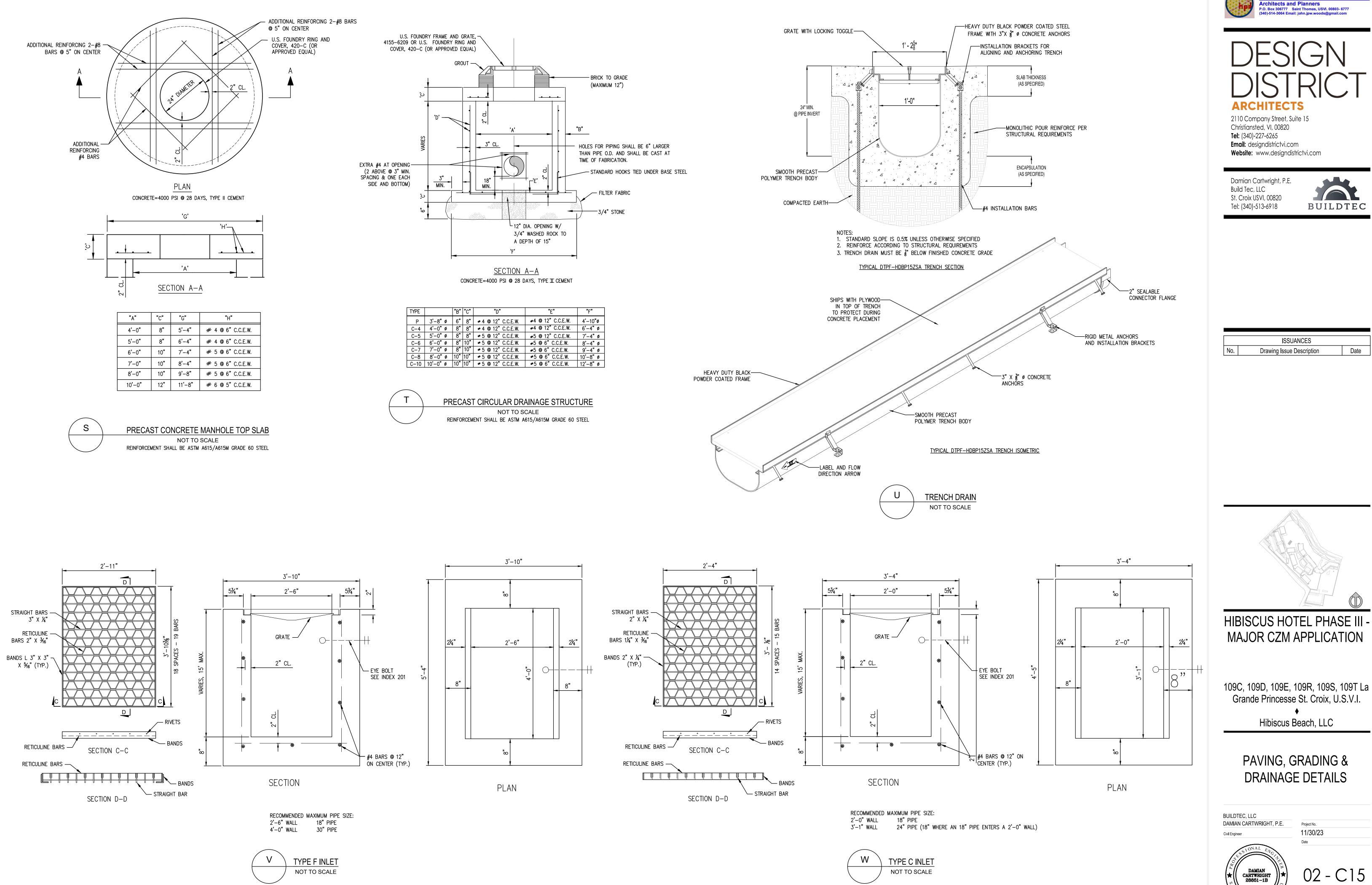




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ghest Potential Design, LLC



	" B"	"C"	"D"	"Е"	"F"
3"ø	6"	8"	#4 @ 12" C.C.E.W.	#4 @ 12" C.C.E.W.	4'-10"ø
)"ø	8"	8"	#4 @ 12" C.C.E.W.	#4 @ 12" C.C.E.W.	6'-4" ø
)"ø	8"	8"	≠5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.	7'-4" ø
)"ø	-	10"		#5 @ 6" C.C.E.W.	8'-4" ø
)"ø	8"	10"	≠5 @ 12" C.C.E.W.	#5 @ 6" C.C.E.W.	9'-4" ø
)"ø		10"		#5 @ 6" C.C.E.₩.	10'-8" ø
)"ø	10"	10"	≠5 @ 12" C.C.E.W.	#5 @ 6" C.C.E.W.	12'-8" ø

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GENERAL NOTES:

1.ALL PAVED SURFACES, INCLUDING DRIVEWAYS CROSSED BY THE PROPOSED WATER MAINS SHALL BE SAW CUT TO PROVIDE A CLEAN TRUE EDGE FOR PAVEMENT REPLACEMENT.

2. THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITY TO THE AREA WITHIN THE EXISTING EASEMENTS AND CONSTRUCTION LIMITS UNLESS OTHERWISE APPROVED BY THE OWNER.

3. ROOF DRAINS, FOUNDATION DRAINS, SUMP PUMP DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED. NO BUILDING SHALL BE CONNECTED TO A SEWER LATERAL UNTIL THE BUILDING IS UNDER ROOF.

4. ALL MATERIAL, CONSTRUCTION METHODS AND TESTING PROCEDURES SHALL BE IN CONFORMANCE WITH THE WRITTEN SPECIFICATIONS OF THE V.I. WATER & POWER AUTHORITY (VIWAPA) FOR ALL WATER LINE WORK, AND THE V.I. WASTE MANAGEMENT AUTHORITY FOR ALL SANITARY SEWER LINE WORK (VIWMA).

5. THE SOIL TYPES IN THE AREAS OF THE PROPOSED SEWER LINES WERE VISUALLY OBSERVED FOR THE PRESENCE OF CORROSIVE SOILS. THERE WERE NO CORROSIVE SOILS DETECTED. SHOULD IRON PIPES BE PROPOSED IN AN AREA AND CORROSIVE SOILS ENCOUNTERED, THE PIPE SHALL BE PROTECTED BY AN 8 MIL THICK POLYETHYLENE ENCASEMENT MEETING THE REQUIREMENTS OF ANSI A21.5.

6. ALL WATER AND SEWAGE FACILITIES DESIGNED HEREIN SHALL CONFORM TO THE MATERIALS, SPECIFICATIONS, CONSTRUCTION METHODS AND STANDARD DETAILS SPECIFIED BY VIWAPA AND VIWMA, RESPECTIVELY. IN CASE OF CONFLICTS WITH THE PROJECT'S WRITTEN SPECIFICATIONS OR STANDARD DETAILS, THE MORE STRINGENT SHALL APPLY, THE VIWAPA AND VIWMA SHALL MAKE THE FINAL DECISION IN EACH CASE.

7. ALL SERVICES HAVE BEEN DESIGNED AND DRAWN IN ACCORDANCE WITH BASE SITE LAYOUT PLANS AND LAND SURVEY DRAWINGS PROVIDED BY THE OWNER'S REPRESENTATIVE. BUILDTEC ACCEPTS NO RESPONSIBILITY FOR FIELD ERRORS RESULTING FROM INACCURACIES IN OWNER-PROVIDED SITE PLANS.

8. CONTRACTOR SHALL BEAR RESPONSIBILITY FOR ACCURATE LOCATION OF SEWER LINES AND APPURTENANCES. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF LOCATIONS OF ALL SEWER AND WATER DISTRIBUTION LINES, APPURTENANCES, HYDRANTS, CLEANOUTS, JUNCTIONS AND BRANCHES.

WATER DISTRIBUTION SYSTEM:

1. ALL WATER MAINS SHALL BE MINIMUM 4-INCH AWWA C-900 PVC WITH DR OF 18. ALL PIPES AND FITTINGS SHALL BE CLASS "C" OR BETTER. JOINTS IN PVC PIPES SHALL BE OF THE RUBBER-RING PUSH-FIT TYPE, EITHER SPIGOT AND SOCKET OR DOUBLE BELL COUPLING.

2. ALL PIPES SHALL BE LAID AND MAINTAINED TO THE REQUIRED LINE AND GRADIENTS WITH FITTINGS, VALVES AND HYDRANTS AT THE REQUIRED LOCATIONS. ALL WATER MAINS SHALL BE LAID TO SUCH DEPTHS WHICH WILL PROVIDE A MINIMUM COVER OF 3'-0" OR AS INDICATED IN THESE DRAWINGS.

3. TRENCHES SHALL BE EXCAVATED TO A MINIMUM WIDTH OF 12" PLUS THE NOMINAL PIPE DIAMETER (6" EACH SIDE), AND TO A DEPTH 4" DEEPER THAN THE PIPE INVERT FOR 4" DIAMETER PIPE OR LESS, AND 6" FOR ALL OTHERS. THE BOTTOM OF THE TRENCHES SHALL BE PROPERLY CLEANED AND LEVELED, AND SELECTED GRANULAR MATERIAL OR SAND PROVIDED UNDER THE PIPES. BELL HOLES SHALL BE PROVIDED AT EACH JOINT TO PERMIT PROPER JOINTING AND TO AVOID THE POSSIBILITY OF BRIDGING BETWEEN JOINTS. EVERY PRECAUTION SHALL BE TAKEN TO ENSURE THAT NO FOREIGN MATERIAL ENTERS THE PIPE WHILE BEING LAID AND THAT RUBBER RINGS ARE PROPERLY INSTALLED IN THE PIPE BELL.

4. GATE OR BUTTERFLY VALVES MAY BE USED AND VARIETY SHALL BE PROVIDED WHERE SHOWN ON THE PLAN. VALVES SHALL BE PROVIDED ON ALL BRANCH MAINS AT THEIR JUNCTIONS WITH PRINCIPAL MAINS. THE FOLLOWING STANDARDS APPLY:

AWWA C-509 - RESILIENT SEATED GATE VALVES FOR WATER AND SEWERAGE SYSTEMS AWWA C-504 - RUBBER SEATED BUTTERFLY VALVES

ALL VALVES MUST BE SQUARE-NUT OPERATED, NON-RISING STEM FITTED WITH O-RING SEALS.

5. CONCRETE ANCHOR BLOCKS SHALL BE PROVIDED AT ALL TEES, BENDS, CAPS, PLUGS, ETC. TO PREVENT REACTION MOVEMENTS. THE CONCRETE SHALL BE PLACED BETWEEN SOLID GROUND AND THE FITTING TO BE ANCHORED.

6. BACKFILLING SHALL BE CARRIED OUT WITH SUITABLE FINE MATERIAL IN ORDER TO PROVIDE A FIRM AND CONTINUOUS SUPPORT FOR THE PIPE. BACKFILL SHALL BE PLACED BY HAND AND FULLY COMPACTED IN LAYERS NOT EXCEEDING 6" FOR THE FIRST 12" OVER THE PIPE. APPROVED MECHANICAL METHODS MAY BE EMPLOYED FOR BACKFILLING THE REMAINDER OF THE TRENCH. IF SUITABLE BACKFILL MATERIAL IS NOT AVAILABLE IN SUFFICIENT QUANTITY FROM THE TRENCH, THE NECESSARY MATERIAL SHALL BE IMPORTED TO COMPLETE BACKFILLING. WHERE PVC PIPE IS BEING LAID, SAND OR OTHER APPROVED MATERIAL SHALL BE USED FOR BEDDING AND SURROUND, AND FOR THE FIRST 12" ABOVE THE PIPE. IT SHALL BE PLACED BY HAND AND BE FULLY COMPACTED IN 6" LAYERS BEFORE THE REMAINDER OF THE TRENCH IS BACKFILLED IN THE USUAL MANNER.

7. POLYETHYLENE SERVICE PIPES SHALL BE SDR 11, PC 160 PSI, IPS, OD-CONTROLLED IN ACCORDANCE WITH AWWA C901 AND ASTM 3035 (SEE AWWA C-901, TABLE 5), AND SHALL BE COMPATIBLE WITH TALBOT PUSH-FIT FITTINGS. PIPE MUST ALSO BEAR THE NATIONAL SANITATION FOUNDATION (NSF) SEAL FOR POTABLE WATER.

8. THE SERVICE LINES SHALL BE CONNECTED TO THE MAINS BY THE INSERTION OF CORPORATION COCKS, FERRULES OR ANGLE VALVES OF A TYPE APPROVED BY THE VIWAPA.

9. SERVICE LINES SHALL HAVE A MINIMUM COVER OF 2 FEET IN VEHICULAR DRIVEWAYS, PARKING LOTS AND ROADWAYS AND BE PROTECTED BY PVC DUCTING.

10. CONTRACTOR SHALL MAKE BUILDING CONNECTIONS WITH TEE-WYE AND DOUBLE WYE BRANCH CONNECTION TO MAIN SEWER LINE. JOINTS SHALL BE LOCATED TO PERMIT ONE CONNECTION FOR TWO PROPERTIES WHERE POSSIBLE. BUILDING CONNECTIONS PROVIDED BY THE DEVELOPER SHALL EXTEND THREE FEET BEYOND FRONT PROPERTY LINE. BUILDING SEWERS AND CLEAN OUTS SHALL BE STUBBED A MINIMUM THREE FEET BEYOND GRADE TO EASE FUTURE CONNECTIONS. BUILDING SEWER PIPE SHALL BE SIX INCH DIAMETER PVC.

11. BUILDING SEWERS SHALL CONNECT TO MAIN GRAVITY SEWER LINES ONLY. BUILDING LINE CONNECTIONS DIRECTLY TO MANHOLES ARE NOT PERMITTED.

12. FIRE HYDRANTS MUST BE IN ACCORDANCE WITH AWWA C502. HYDRANTS SHOULD HAVE (2) 2 1/2" OUTLET NOZZLES AND (1) 4 1/2" PUMPER NOZZLE WITH STANDARD HOLE THREADS. CAPS MUST BE PROVIDED ON NOZZLES AND ATTACHED BY CHAINS. A STANDARD AWWA OPERATING NUT WITH O-RING TYPE SEAL IS REQUIRED. HYDRANTS SHOULD ALSO BE INSTALLED WITH BREAK-AWAY FLANGE AT BASE. TWO OPERATING KEYS SHALL BE PROVIDED WITH EACH INSTALLED HYDRANT

13. ALL BURIED VALVES SHALL HAVE CAST IRON TWO- OR THREE-PIECE VALVE BOXES WITH CAST IRON COVERS. VALVE BOXES SHALL BE PROVIDED WITH SUITABLE HEAVY BONNETS AND TO EXTEND TO SUCH ELEVATION AT OR SLIGHTLY ABOVE THE FINISHED GRADE SURFACE. THE BARREL SHALL BE ONE- OR TWO-PIECE SCREW TYPE, HAVING 5 1/4" SHAFT. COVER SHALL HAVE "WATER" CAST INTO THE TOP FOR ALL WATER MAINS. ALL VALVES SHALL HAVE ACTUATING NUTS EXTENDED TO WITHIN SIX INCHES OF THE TOP OF THE VALVE BOX COVER. VALVE BOXES SHALL BE PROVIDED WITH CONCRETE BASES.

14. LOCATION OF FIRE HYDRANTS, VALVES AND OTHER WATER APPURTENANCES SHOWN IN DRAWINGS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE ESTABLISHED ON SITE BY CONTRACTOR AND CONFIRMED BY ENGINEER OF RECORD.

15. ELEVATION OF MANHOLE RIMS ARE APPROXIMATED FROM SURVEYOR'S DRAWINGS. FINAL ELEVATIONS SHALL BE ESTABLISHED ON SITE BY CONTRACTOR AND CONFIRMED BY ENGINEER OF RECORD.

16. SEWER LINE DIRECTIONS ARE APPROXIMATED FROM SURVEYOR'S DRAWINGS. FINAL SEWER LINE BEARINGS SHALL BE ESTABLISHED ON SITE BY CONTRACTOR AND CONFIRMED BY ENGINEER OF RECORD.

17. CONTRACTOR IS RESPONSIBLE FOR LOCATION, REMOVAL AND OR COORDINATION OF EXISTING UTILITIES. THE ENGINEER OF RECORD SHALL BE APPRISED OF ANY CONFLICTS BETWEEN EXISTING UTILITIES AND THE NEW DESIGN PRIOR TO ANY SITE CORRECTION OF NEW DESIGN BY THE CONTRACTOR.

18. CONTRACTOR SHALL PREPARE AS-BUILT DRAWINGS WHICH SHALL BE SUBMITTED TO THE VIWAPA AND VIWMA WITHIN SEVEN DAYS OF PROJECT COMPLETION. FINAL INSPECTION AND APPROVALS WILL NOT BE GRANTED WITHOUT THE SAME.

19. ALL CONSTRUCTION WORKS SHALL BE CARRIED OUT BY COMPETENT CONTRACTORS EXPERIENCED IN THE CONSTRUCTION OF POTABLE WATER AND SANITARY SEWAGE WORKS AND ALL MACHINERY INSTALLATION SHALL BE SUPERVISED, TESTED AND/OR CERTIFIED BY THE MANUFACTURER'S REPRESENTATIVE.

20. ALL WORKS SHALL BE OPEN TO INSPECTION BY THE VIWAPA AND VIWMA THROUGHOUT CONSTRUCTION.

SANITARY SEWER SYSTEM:

1. ALL GRAVITY SANITARY SEWER LINES SHALL BE ASTM D3034 PVC PIPE WITH STANDARD DIMENSION RATIO (SDR) OF 35. SEWER PIPES AND FITTINGS SHALL HAVE BONDED. RESILIENT JOINTS WHICH SHALL RETAIN WATER TIGHTNESS BY COMPRESSION OF THE GASKET MATERIAL AROUND THE ENTIRE PERIPHERY OF THE PIPE.

2. LEAKAGE FOR NEW COPNSTRUCTION, OR SYSTEMS THAT HAVE NEVER BEEN COMMISIONED, SHALL BE ZERO. LEAKAGE INWARD OR OUTWARD FROM EXISTING SEWERS SHALL NOT EXCEED 300 GALLONS PER INCH DIAMETER PER MILE PER DAY.

3. THE MINIMUM ALLOWABLE SIZE OF SEWERS OTHER THAN HOUSE CONNECTIONS SHALL BE EIGHT (8) INCHES DIAMETER.

4. THE FOLLOWING MINIMUM GRADES SHALL BE PROVIDED :

8" DIAMETER SEWERS	0.40%
10" DIAMETER SEWERS	0.28%
12" DIAMETER SEWERS	0.22%
15" DIAMETER SEWERS	0.15%
18" DIAMETER SEWERS	0.12%
21" DIAMETER SEWERS	0.10%
24" DIAMETER SEWERS	0.08%

5. SEWERS SHALL BE LAID WITH UNIFORM SLOPES AND ALIGNMENT BETWEEN MANHOLESAND ON COMPLETION SHALL SHOW A FULL CIRCLE OF LIGHT WHEN LAMPED BETWEEN MANHOLES.

6. MANHOLES SHALL BE INSTALLED AT ALL CHANGES OF GRADE, ALIGNMENT OR SIZE OF SEWER, AT ALL INTERSECTIONS AND DISTANCES NOT GREATER THAN 400 FEET. THE MINIMUM INSIDE DIAMETER OF MANHOLES SHALL BE 48 INCHES.

7. THE MANHOLE FLOOR SHALL HAVE A FLOW CHANNEL MADE TO CONFORM IN SHAPE AND CARRYING CAPACITY TO THAT OF THE SEWERS.

8. FORCE MAINS SHALL BE DUCTILE IRON OR PVC PRESSURE PIPE WITH RUBBER RING, PUSH FIT JOINTS. MINIMUM VELOCITY IN THE FORCE MAINS SHALL BE 2.5 FEET PER SECOND. THE FOLLOWING STANDARDS SHALL APPLY:

DUCTILE IRON - AWWA C100

PVC - AWWA C900 (SDR-18)

PUMPING STATION:

2. TWO OR MORE PUMPS COMPATIBLE WITH THE STANDARD MODELS USED BY THE CORPORATION (FLYGT), SHALL BE PROVIDED IN EACH PUMPING STATION. WHERE ONLY TWO PUMPS ARE PROVIDED, EACH PMUP SHALL BE CAPABLE OF HANDLING TWICE THE PEAK FLOW AND BE THE SAME MODEL AND IMPELLER SIZE.

ALL PUMPING STATIONS.

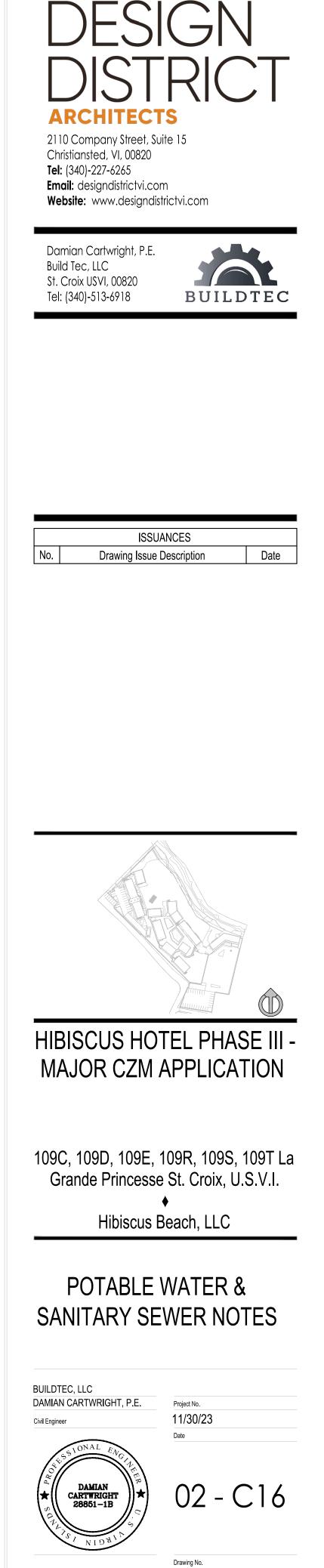


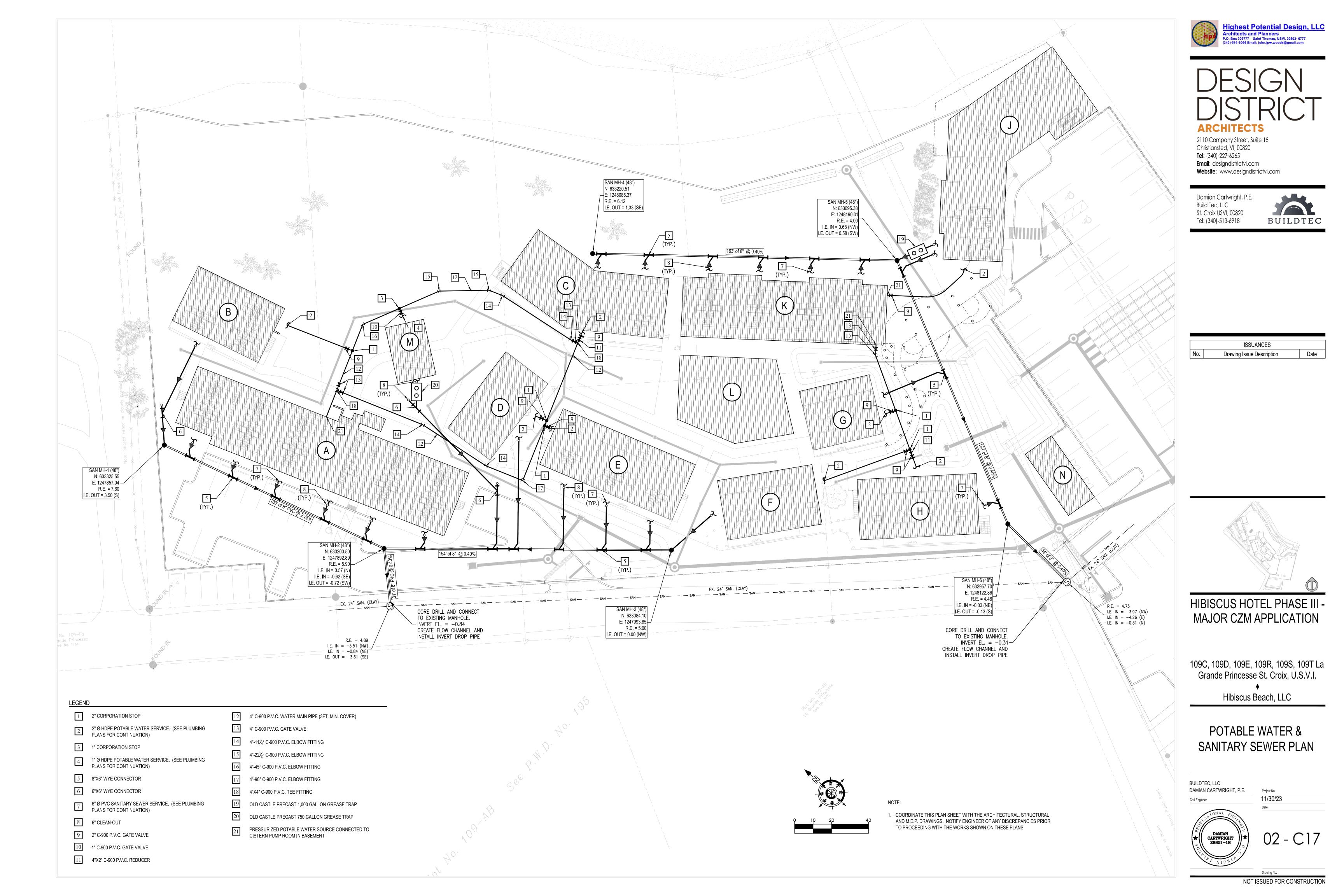
<u>ighest Potential Design, LLC</u> rchitects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 340)-514-3064 Email: john.jpw.woods@gmail.con

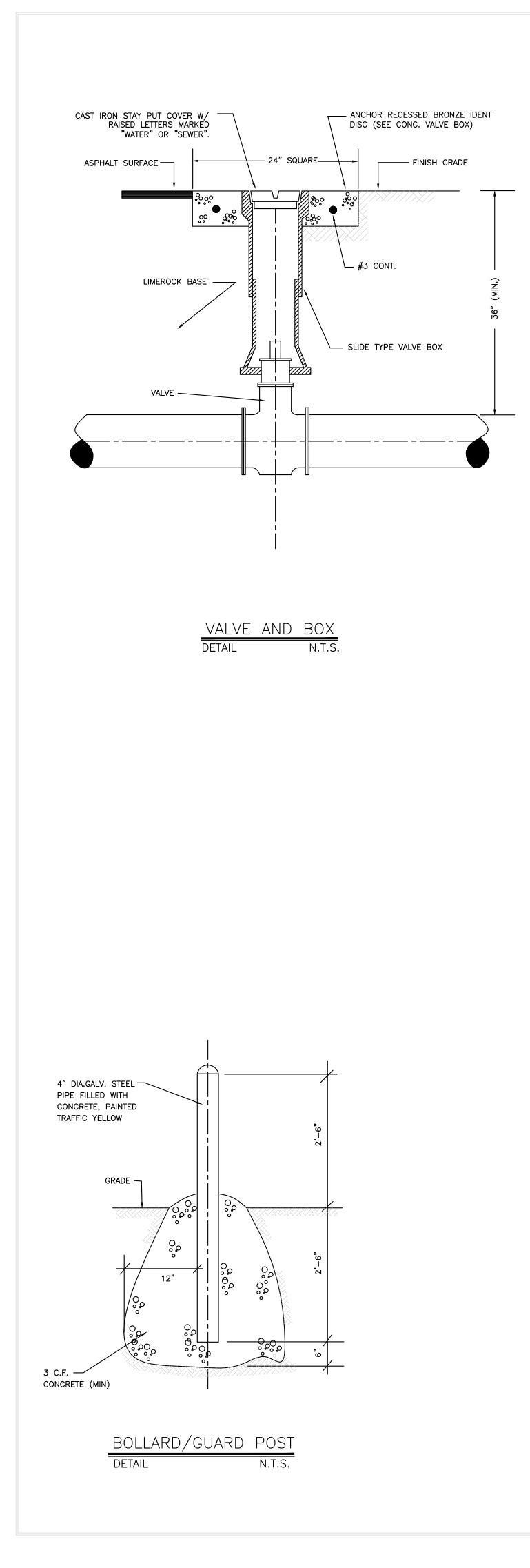
1. SEWAGE PUMPING STATIONS SHALL BE CONCRETE WET WELL PUMPING STATION INCORPORATING EASILY REMOVABLE CLOSE-COUPLED SUBMERSIBLE PUMPS.

DEVICES FOR MEASURING SEWAGE FLOWS AND POWER CONSUMPTION SHALL BE INSTALLED AT

4. APPROVED STANDBY POWER EQUIPMENT OR FACILITIES TO ALLOW QUICK CONNECTION OF STANDBY POWER EQUIPMENT SHALL BE PROVIDED AT PUMPING STATIONS.







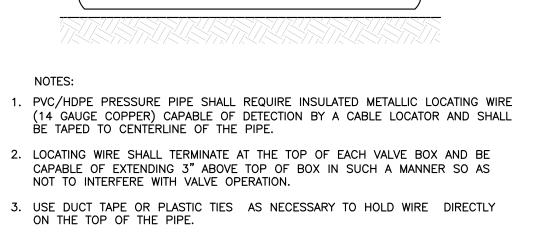
PIPE LOCATING WIRE

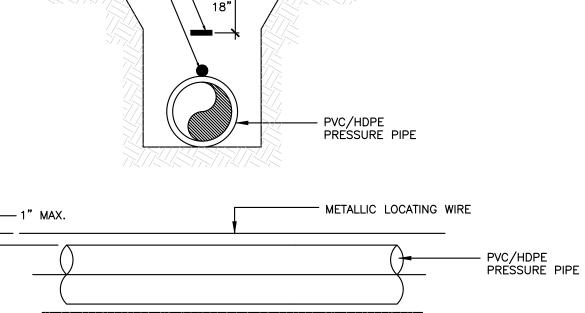
4. EXTEND METALLIC LOCATING WIRE ALONG STUBBED OUT SERVICE CONNECTIONS

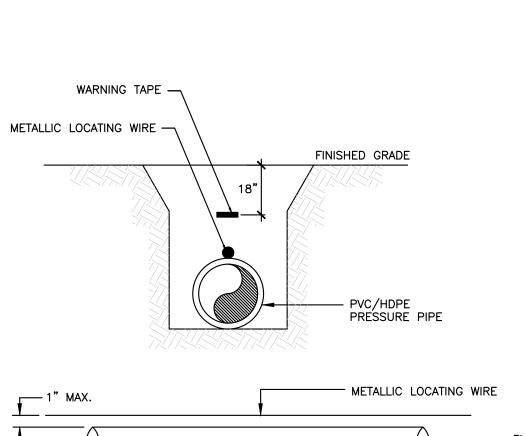
5. WARNING/MARKING TAPE SHALL BE DIRECTLY ABOVE ALL PRESSURE PIPE. TAPE SHALL HAVE

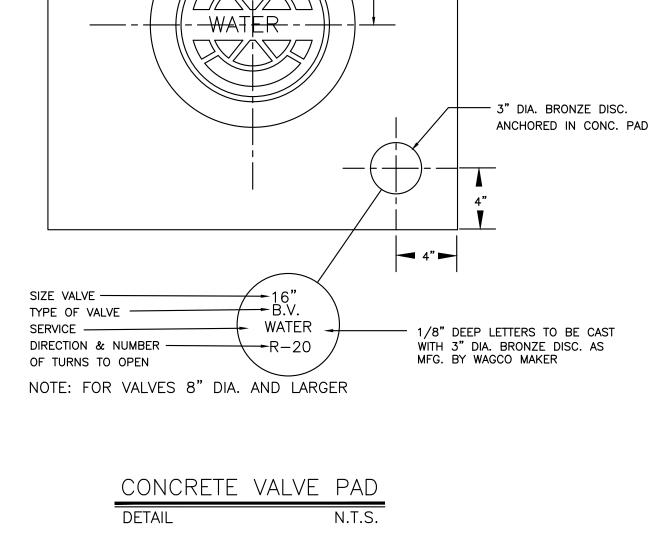
DETAIL	N.T.S.

18" COVER

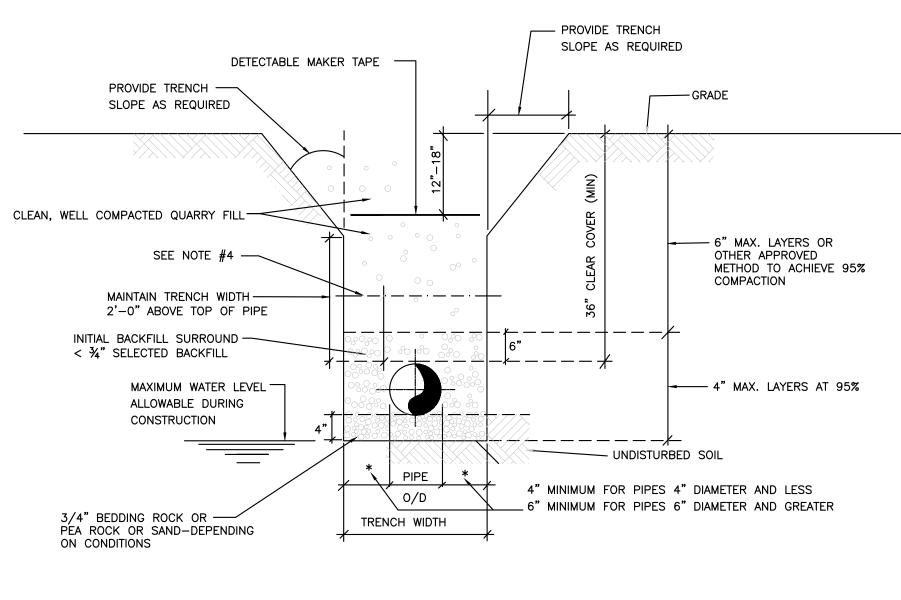








AT EACH VALVE BOX WITH 1 #3 CONT.



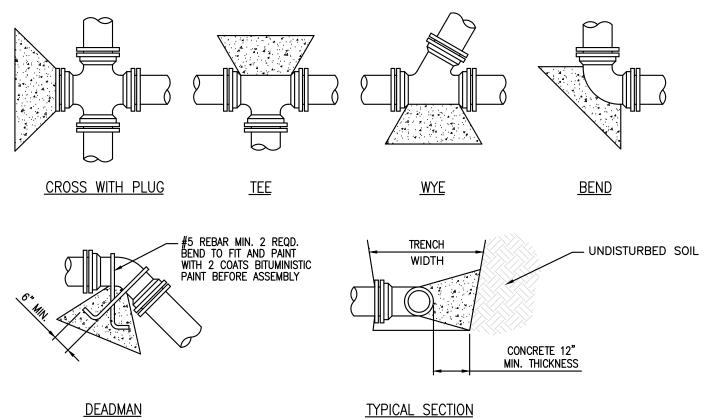
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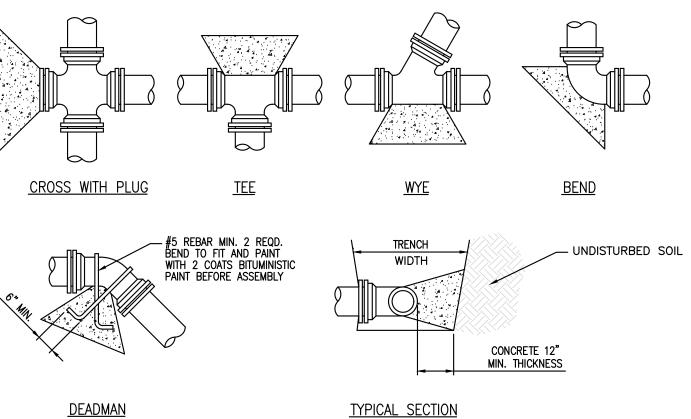
DETAIL

APPROVED METHOD OF CONSTRUCTION.

2. SHEETING WILL BE REQUIRED AS DETERMINED IN THE FIELD.

4. MECHANICAL COMPACTION NOT ALLOWED BELOW THIS LEVEL.





NOTES:

ON A CASE BY CASE BASIS.

MINIMUM OF TWELVE INCHES (12") THICK.

(PLEASE	REF

	•			-
PIPE	THRUST BLOCK SOIL BEARING AREA REQUIRED	PIPE	THRUST BLOCK SOIL BEARING AREA REQUIRED	REMARKS
4"	2.0 SQ. FT.	18"	30.0 SQ. FT.	
6"	4.0 SQ. FT.	20"	37.0 SQ. FT.	VALUES ARE FOR 90° BEND, BASED ON
8"	6.6 SQ. FT.	24"	53.0 SQ. FT.	2000 P.S.F. SAFE BEARING LOAD AND
10"	10.0 SQ. FT.	27"	80.0 SQ. FT.	PIPE PRESSURE OF 150 P.S.I. PLUS 33%
12"	14.0 SQ. FT.	30"	98.0 SQ. FT.	SAFETY FACTOR FOR OTHER SOILS AND
14"	18.0 SQ. FT.	36"	127.0 SQ. FT.	PRESSURES.
16"	24.0 SQ. FT.			
NOT CO	VERED BY THE ABOVE.			



1. WHERE SOIL CONDITIONS CANNOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE

3. COMPACTION PERCENTAGES SHOWN REFER TO AASHTO T-180.

1. THRUST BLOCKS SHALL BE USED IN ADDITION TO MEG-A-LUG RESTRAINED JOINTS FOR ALL PRESSURE PIPE GREATER THAN 12" DIAMETER AND FOR FIRE HYDRANTS AND AT DEAD ENDS IN ACCORDANCE WITH THE "BLOW OFF WITH RESTRAINT BLOCK" DETAIL AND AS APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE

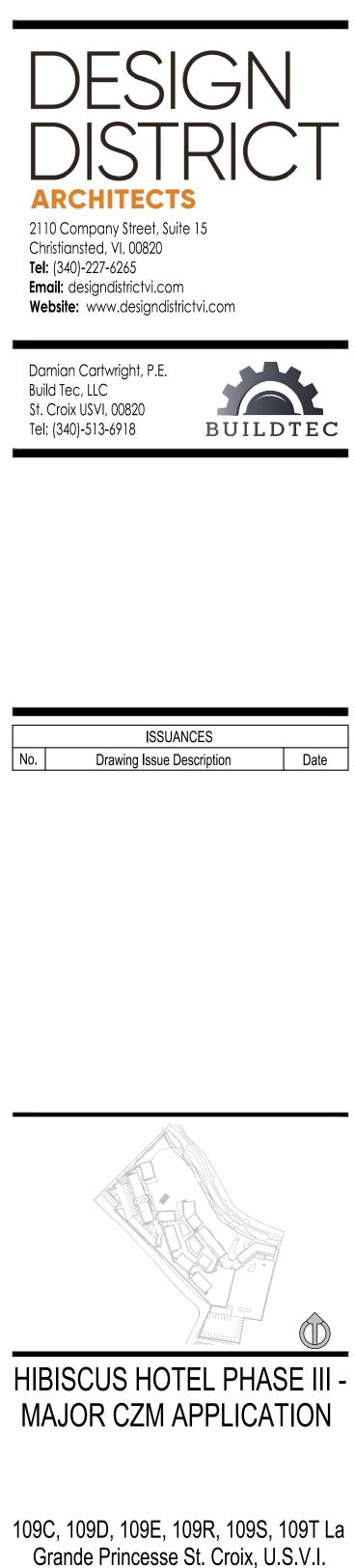
2. ALL THRUST BLOCKS SHALL BE FORMED. LAID FORMS SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE POURING OF CONCRETE AND SHALL ALSO BE INSPECTED BY THE OWNER'S REPRESENTATIVE PRIOR TO COVER- ING. TYPICAL LOCATIONS WHICH REQUIRE CONCRETE REACTIONS (THRUST) BLOCKS, FOR PRESSURE MAINS FOUR INCHES (4") AND GREATER CONCRETE SHALL HAVE 2500 P.S.I. MINIMUM STRENGTH AT TWENTY EIGHT (28) DAYS AND BEAR AGAINST UNDISTURBED STABLE SOILS, AREA OF CONTACT SHALL BE GOVERNED BY PIPE SIZE, MAXIMUM PRESSURE IN PIPE, AND BEARING CAPACITY OF SOIL. PROTECT FITTINGS, BOLTS, ETC. BY COVERING WITH 5 MIL. OR GREATER POLYETHYLENE SHEET. CONCRETE SHALL BE A

EFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS)

THRUST	BLOCKS
DETAIL	N.T.S.



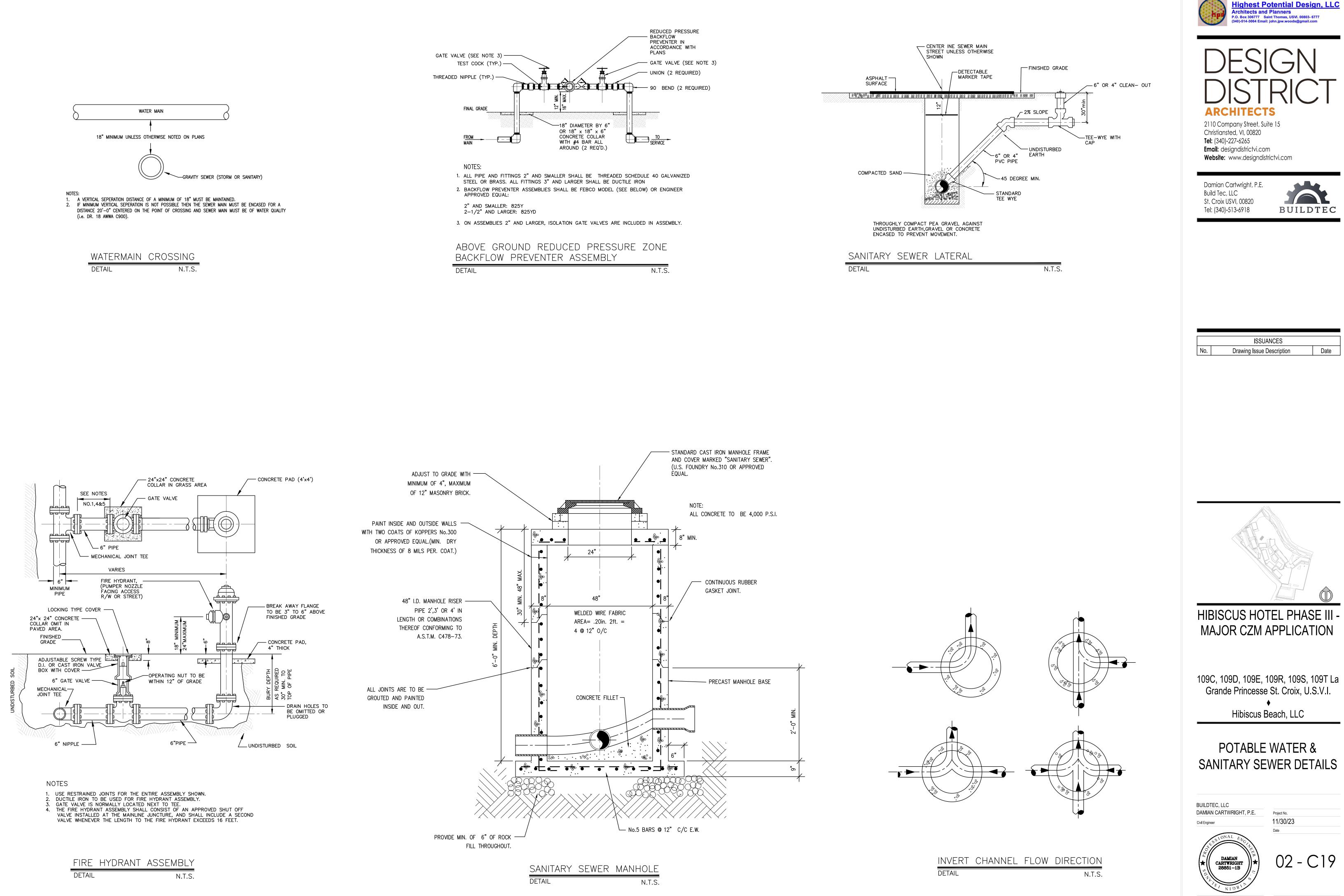
ighest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com



Hibiscus Beach, LLC

POTABLE WATER & SANITARY SEWER DETAILS

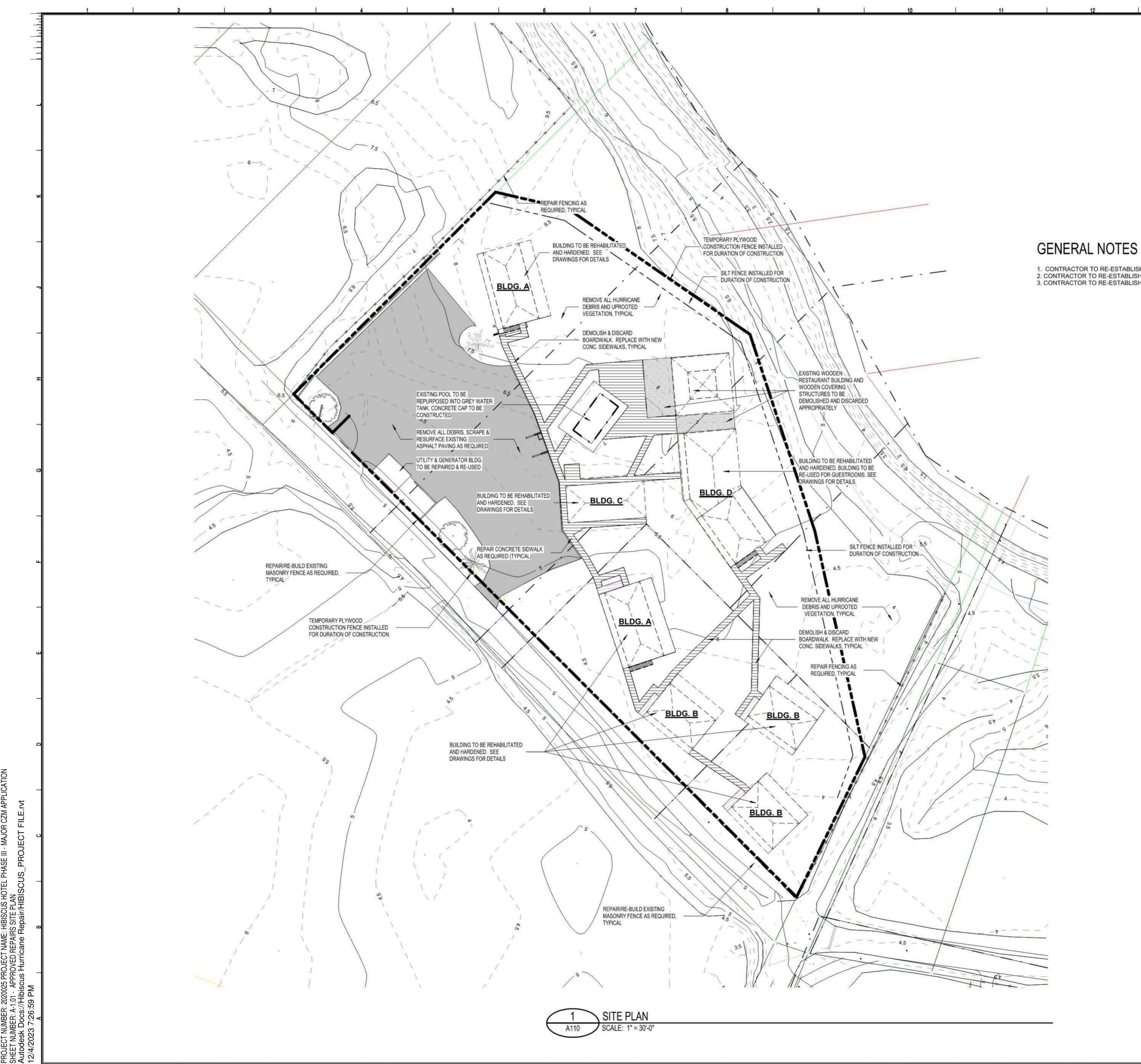




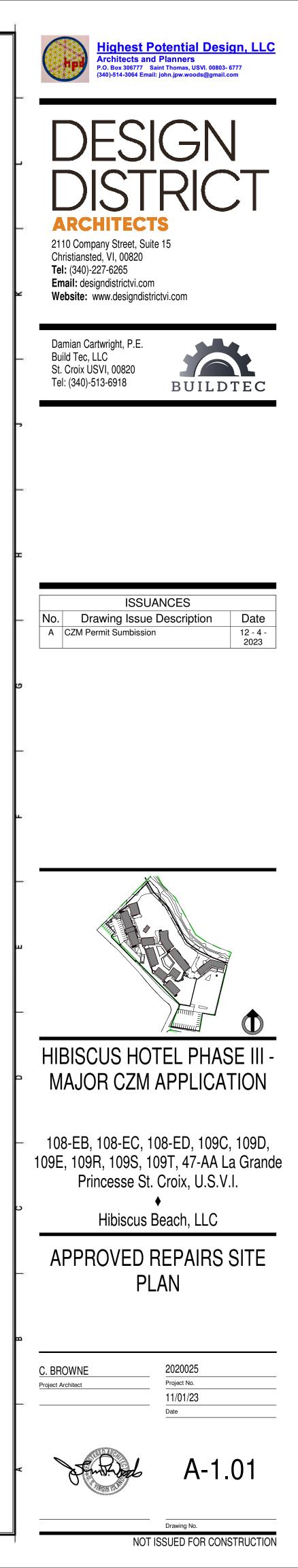
SANITARY	SEWER	MANHOLE
DETAIL		N.T.S.

INVERT	CHANNEL	FLOW	DIRECTION
DETAIL			N.T.S.

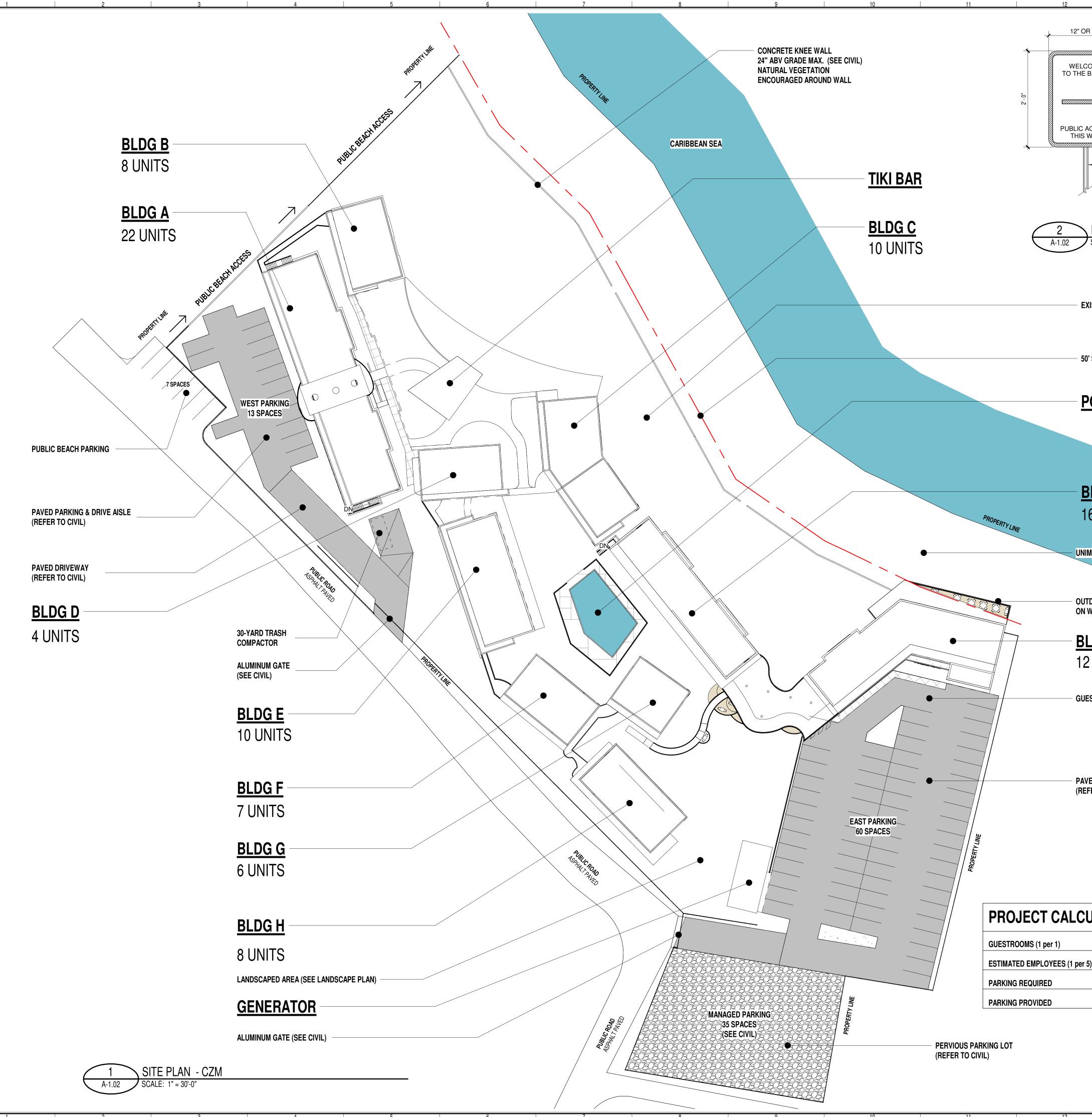
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1. CONTRACTOR TO RE-ESTABLISH AND REPAIR CONNECTION TO ELECTRICAL UTILITY COMPANY AS REQUIRED. 2. CONTRACTOR TO RE-ESTABLISH AND REPAIR CONNECTION TO WATER UTILITY AS REQUIRED. 3. CONTRACTOR TO RE-ESTABLISH AND REPAIR CONNECTION TO PUBLIC SEWER SYSTEM AS REQUIRED.



PROJECT NUMBER: 2020025 PROJECT NAME: HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATI SHEET NUMBER: A-1.02 - PROPOSED SITE PLAN Autodesk Docs://Hibiscus Hurricane Repair/HIBISCUS_PROJECT FILE.rvt 12/4/2023 7:27:29 PM

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R 18"	Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
COME BEACH 1 1/2" R (TYP) BLUE ON WHITE BLUE ON WHITE W 1 1/2" LETTERS 2" ROUND POBLIC PARKING FOR BEACH ACCESS ONLY I 1/2" R (TYP) PROVIDE WALL/FENCE MOUNTED SIGN WHERE REQUIRED. MOUNT 7' A.F.F. MIN.	DESIGNATION DISTRICTS DISTRICTS ARCHITECTS 2110 Company Street, Suite 15 Christiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com
BEACH ACCESS SIGNAGE	DESIGN DISTRICT, PLLC
SCALE: 1" = 1'-0"	Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918 SCOPE DOCUMENTS The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope of the Project. The Contractor is responsible for complete and coordinated pricing and Work, and shall include all items necessary for the proper execution and completion of the Project, whether indicated or not. All components of the Project shall comply with any and all requirements of national, state, and local codes. The
D' SETBACK FROM SHORELINE	Contractor shall inform the Owner and Architect of any omissions, inconsistencies or errors in the information provided. If no notice is given and any omissions, inconsistencies or errors are discovered, the Architect's decisions on items of Work included in the scope shall be binding on the Contractor, when consistent with the general scope and quality of the Project.
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	 108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande Princesse St. Croix, U.S.V.I.
	Hibiscus Beach, LLC
UATIONS	PROPOSED SITE PLAN
<u> </u>	
108	C. BROWNE 2020025
115	Project Architect Project No. 10/30/23 Date
	A-1.02





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				Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
			-	DESIGN DISTRICT
			_	ARCHITECTS 2110 Company Street, Suite 15 Christiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com
			×	 Website: www.designdistrictvi.com Design DISTRICT, PLLC Damian Cartwright, P.E. Build Tec, LLC
			-	St. Croix USVI, 00820 Tel: (340)-513-6918 BUILDTEC <u>SCOPE DOCUMENTS</u> The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope
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			Ľ	109E, 109R, 109S, 109T, 47-AA La Grande Princesse St. Croix, U.S.V.I. Hibiscus Beach, LLC
			-	COLOR SITE PLAN
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1	A-1.03	SCALE: 1/32" = 1'-0	15	Drawing No.



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			Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
			DESIGN
			DISTRICT
			ARCHITECTS 2110 Company Street, Suite 15 Christiansted, VI, 00820 Tel: (340)-227-6265
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			included in the scope shall be binding on the Contractor, when consistent with the general scope and quality of the Project.
			ISSUANCES No. Drawing Issue Description Date A CZM Permit Sumbission 12 - 4 - 2023
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			HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATION
			 108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande
			Princesse St. Croix, U.S.V.I. ◆ Hibiscus Beach, LLC
TREE LEGEN	ID		LANDSCAPE & IRRIGATION
CATEGORY EGACY TREES	COMMON MAMPO	BOTANICAL	PLAN PLAN
SHADE TREES	MAHOGA NY TUR SEA GRAPE		m
	LIGNUM VITAE SEA LAVENDER	ARGUSIA GNAPHALODES CAPARIS	C. BROWNE 2020025 Project Architect Project No.
LOWERING TREES OR PLANTS	JAMAICAN CAPER WHITE FRANCIPANI	CYNIOPHALLAPHORA PLUMERIA ALBA	
PALMS	COCO PLUM QUEEN PALMS	CHRYSOBALANUS ICACO	
CONSERVATION AREA PRUNED AND MAINTAINED NATURAL /EGETATION)	ROYAL PALMS		A-1.04
13	14	15	Drawing No.

PROJECT NUMBER: 2020025 PROJECT NAME: HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATION SHEET NUMBER: A-1.05 - EXISTING VS NEW DIAGRAM Autodesk Docs://Hibiscus Hurricane Repair/HIBISCUS_PROJECT FILE.rvt 12/4/2023 7:37:06 PM



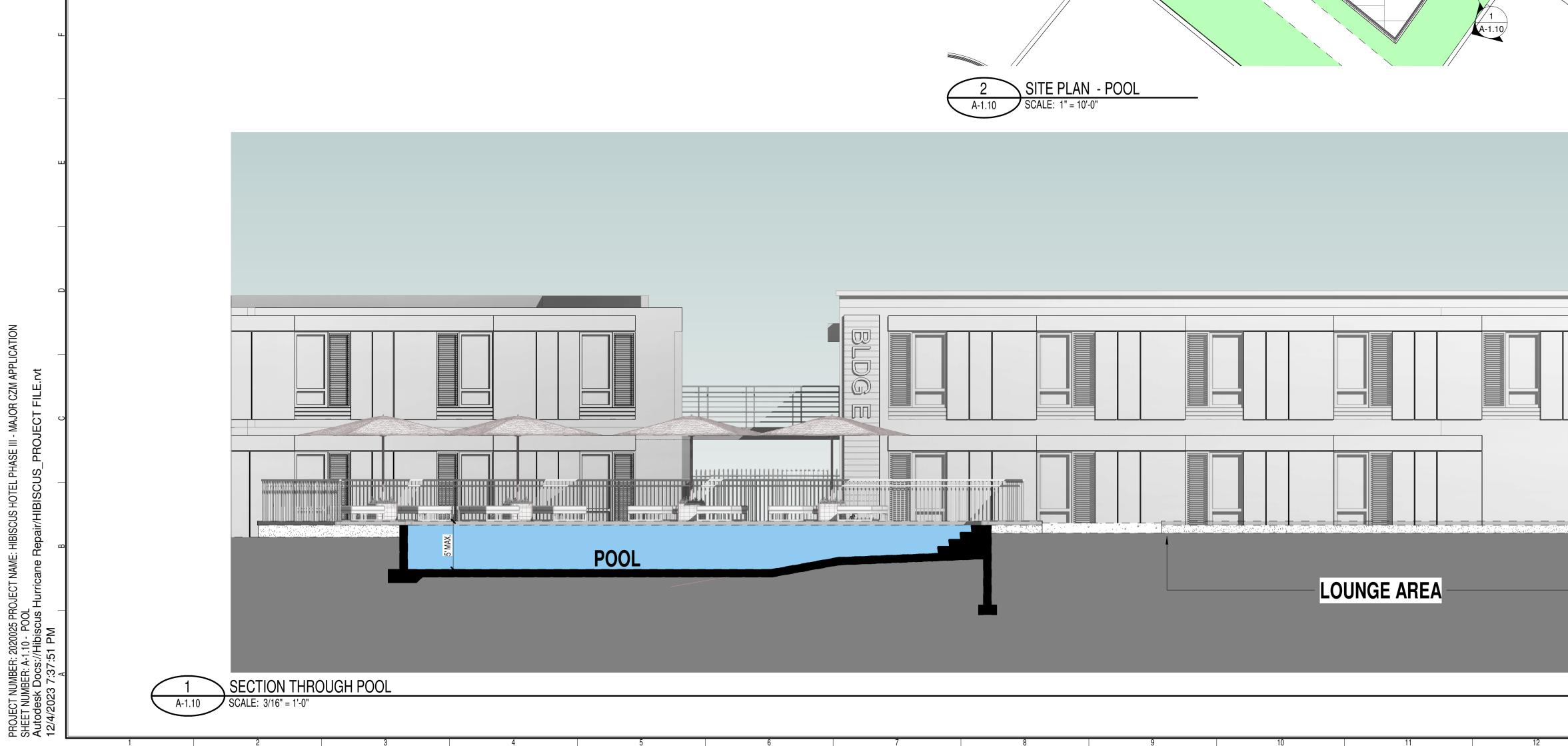
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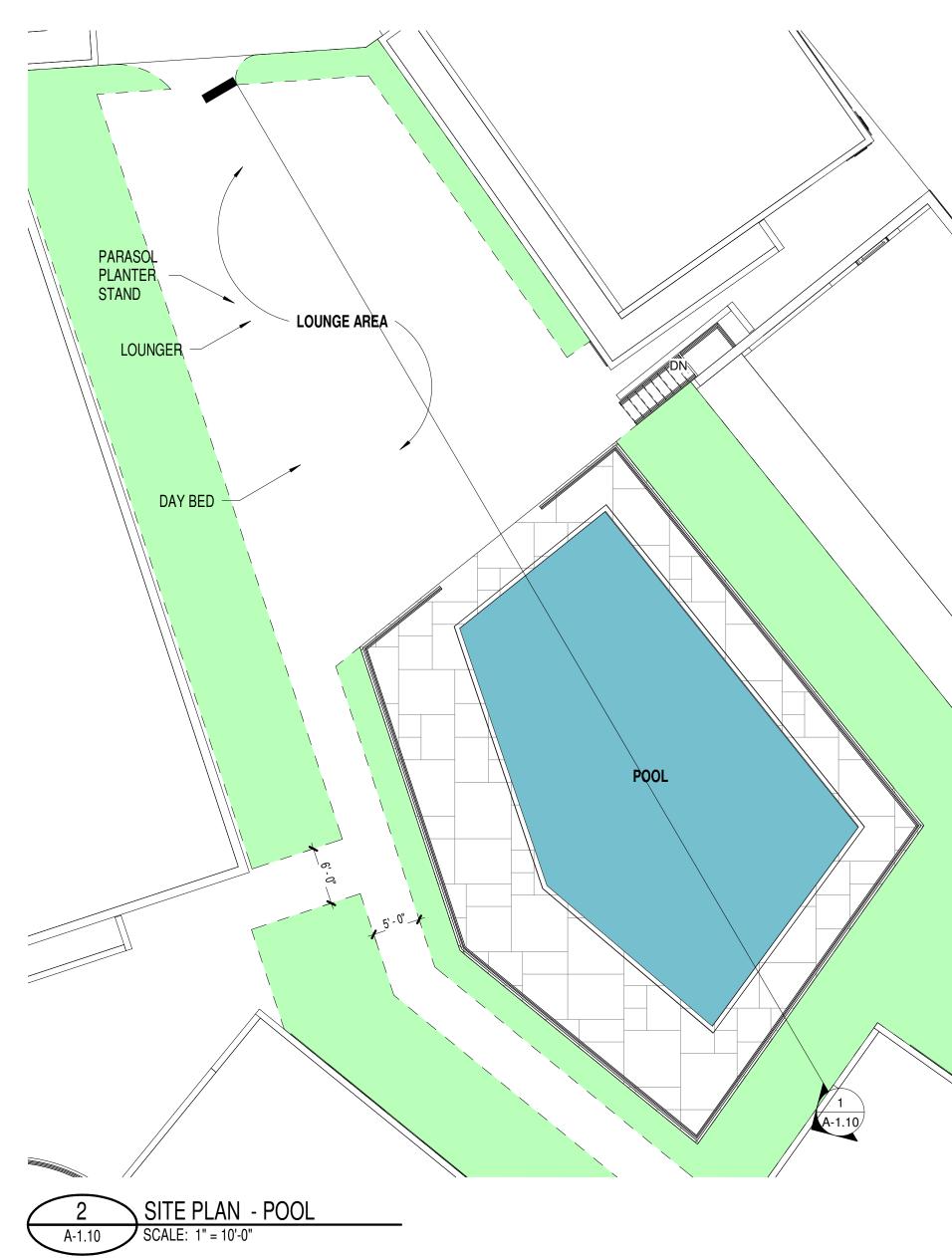
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	Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
	 DESIGNATION DESIGNATION DISTRICT DISTRICTS ARCHITECTS ARCHITECTS ARCHITECTS Aristiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com Website: www.designdistrictvi.com
	Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918
	 ISSUANCES No. Drawing Issue Description Date
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	HIBISCUS HOTEL PHASE III- MAJOR CZM APPLICATION
	Hibiscus Beach, LLC EXISTING VS NEW DIAGRAM
FOOTPRINT LEGEND	
DEMOLISHED IN PREVIOUS PHASE2,625 SFEXISTING TO REMAIN12,945 SFNEW FOOTPRINT18,944 SF	Checker 2020025 Project Architect Project No. 11/29/23 Date
1 A-1.05 SCALE: 1" = 30'-0"	A-1.05
13 14 15	Drawing No. NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 2020025 PROJECT NAME: HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATION SHEET NUMBER: A-1.06 - POTABLE WATER COLLECTION Autodesk Docs://Hibiscus Hurricane Repair/HIBISCUS_PROJECT FILE.rvt 12/4/2023 7:37:12 PM

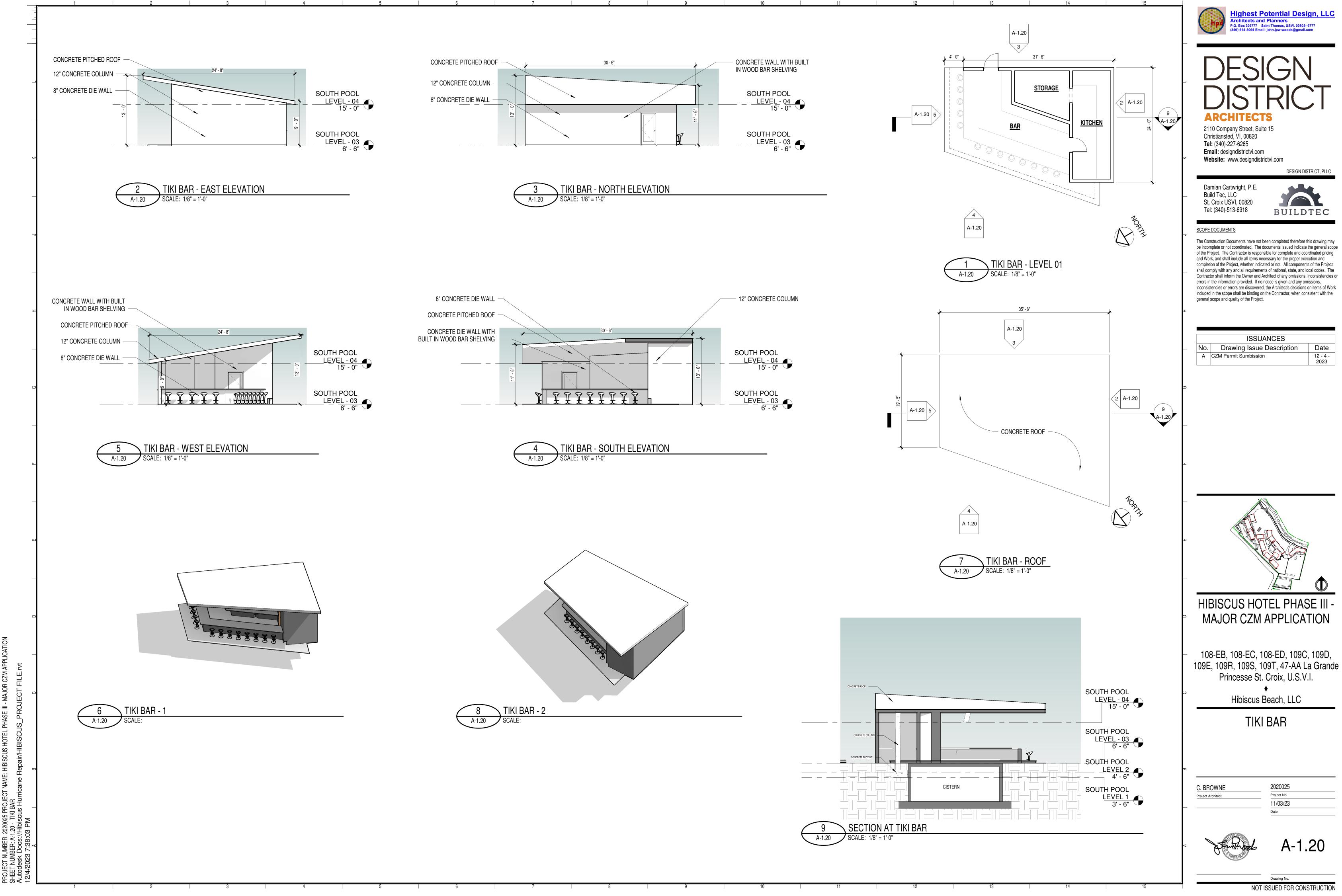


Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com **ESTIMATED DAILY WATER CONSUMPTION**)FSIGN GUESTROOMS 11,948 GAL. FOOD & BEVERAGE 4,200 GAL. POOL 1,200 GAL. **BOH/SUPPORT** 3,500 GAL. **ARCHITECTS** 2110 Company Street, Suite 15 Christiansted, VI, 00820 TOTAL E.D.C.* 20,848 GAL. Tel: (340)-227-6265 Email: designdistrictvi.com *ESTIMATED DAILY CONSUMPTION Website: www.designdistrictvi.com DESIGN DISTRICT, PLLC WATER STORAGE CAPACITY Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 EXISTING 80,000 GAL. Tel: (340)-513-6918 BUILDTEC PROPOSED 170,000 GAL. SCOPE DOCUMENTS The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope of the Project. The Contractor is responsible for complete and coordinated pricing TOTAL CAPACITY 250,000 GAL. and Work, and shall include all items necessary for the proper execution and completion of the Project, whether indicated or not. All components of the Project shall comply with any and all requirements of national, state, and local codes. The Contractor shall inform the Owner and Architect of any omissions, inconsistencies or errors in the information provided. If no notice is given and any omissions, inconsistencies or errors are discovered, the Architect's decisions on items of Work included in the scope shall be binding on the Contractor, when consistent with the general scope and quality of the Project. ISSUANCES No. Drawing Issue Description Date A CZM Permit Sumbission 12 - 4 -2023 HIBISCUS HOTEL PHASE III -MAJOR CZM APPLICATION <u>LEGEND</u> 108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande EXISTING CISTERNS Princesse St. Croix, U.S.V.I. PROPOSED CISTERNS Hibiscus Beach, LLC POTABLE WATER COLLECTION 2020025 Project No. C. BROWNE Project Architect 11/05/23 Date A-1.06 > POTABLE WATER COLLECTION PLAN SCALE: 1/32" = 1'-0" A-1.06 Drawing No. NOT ISSUED FOR CONSTRUCTION





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	DESIGN DISTRICT
	ARCHITECTS 2110 Company Street, Suite 15
	Christiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com Website: www.designdistrictvi.com
	Damian Cartwright, P.E.
	Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918 BUILDTEC
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	 108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande
	Princesse St. Croix, U.S.V.I. ↔ Hibiscus Beach, LLC
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	C. BROWNE 2020025 Project Architect Project No.
	<u>11/02/23</u>
	- A-1.10
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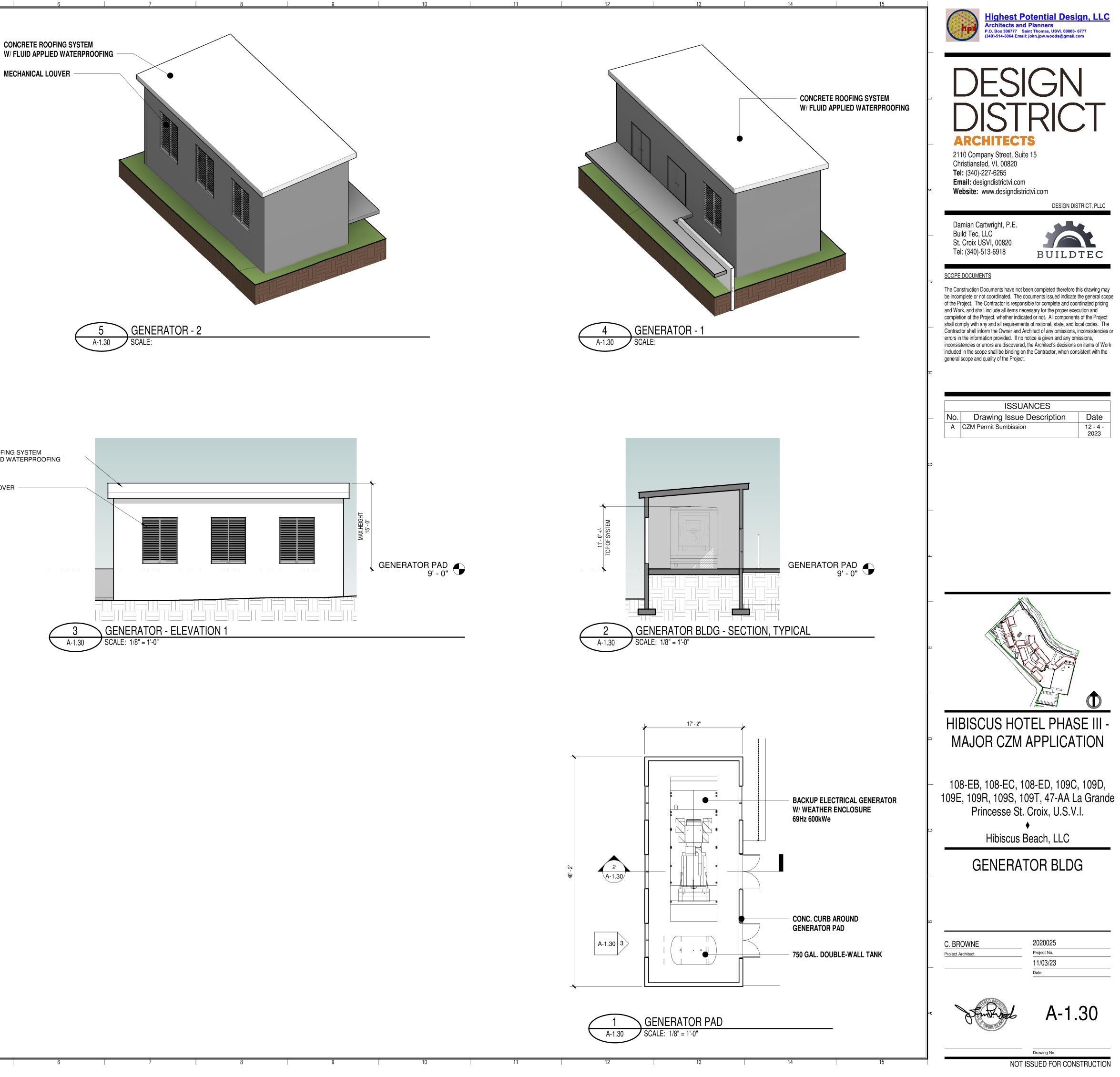
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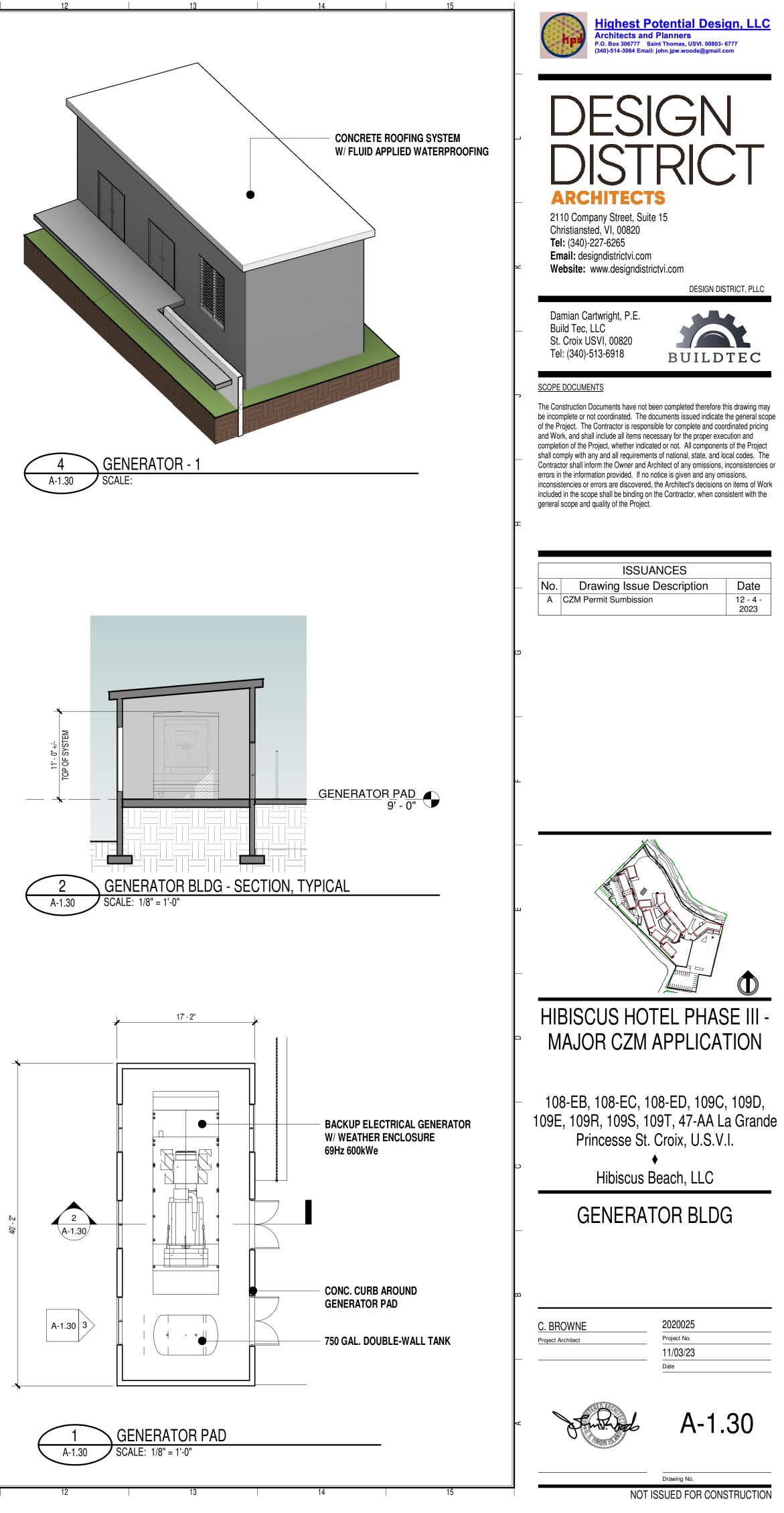
W/ FLUID APPLIED WATERPROOFING

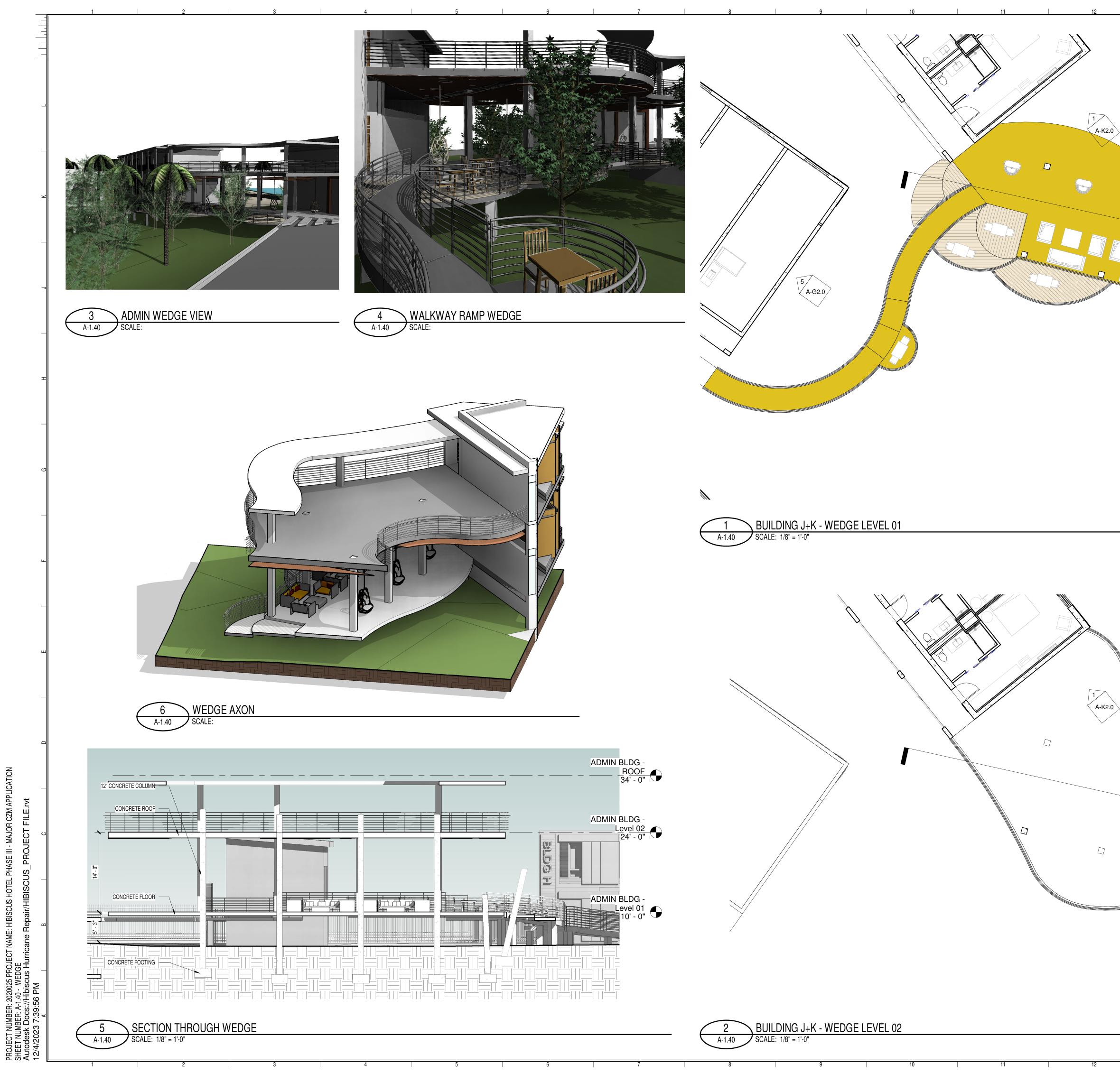
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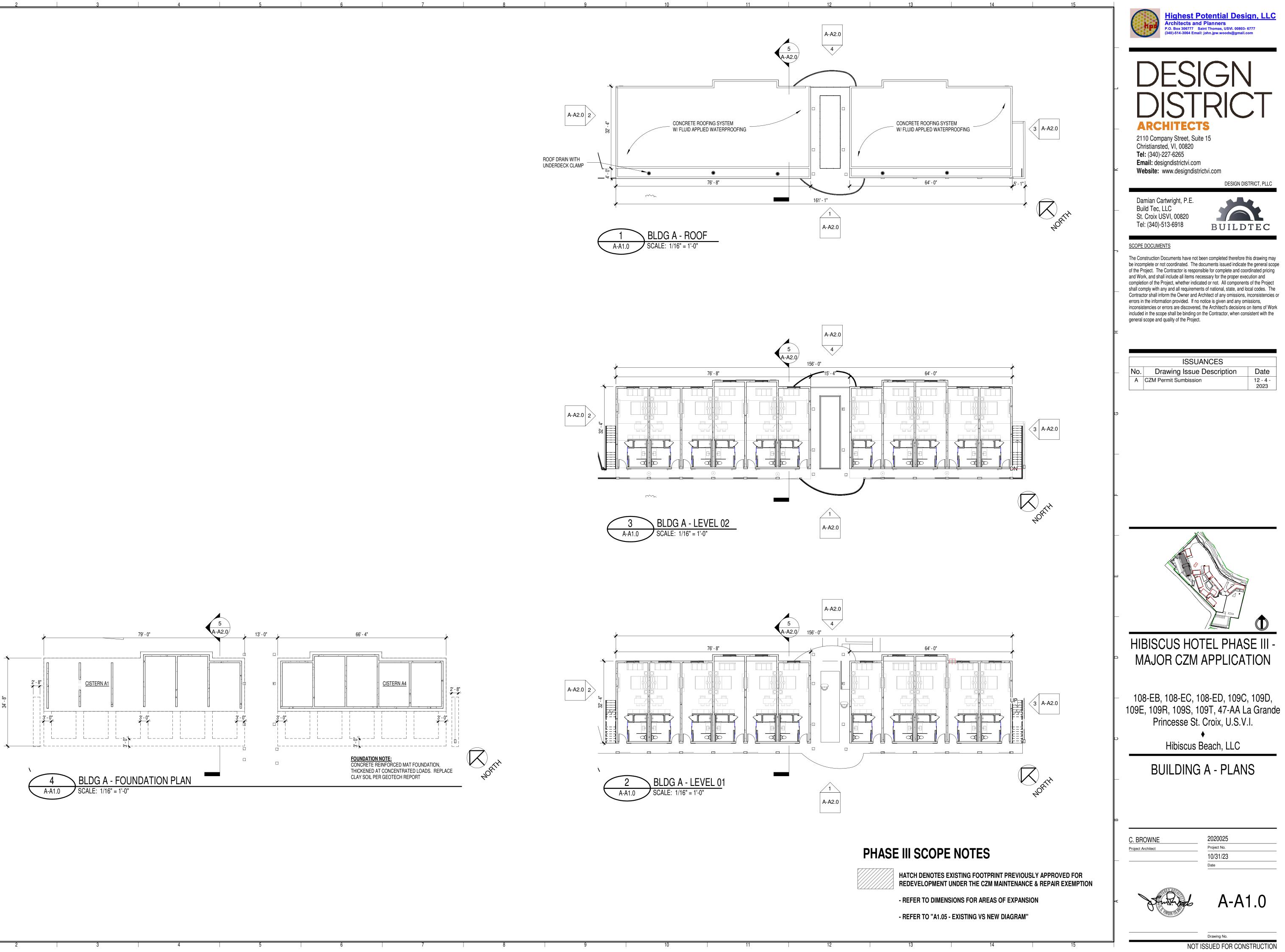
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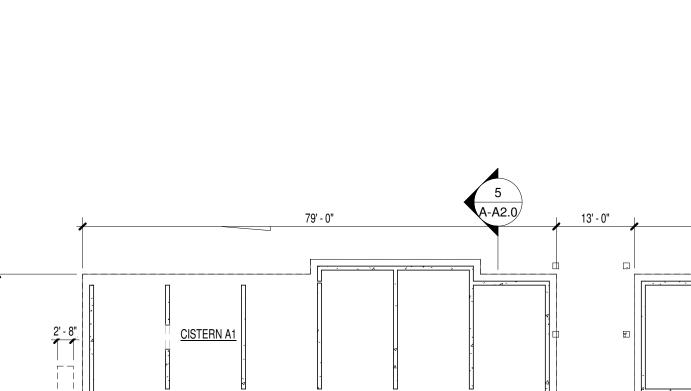
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	DESIGN DISTRICT
	2110 Company Street, Suite 15 Christiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com
	✓ Website: www.designdistrictvi.com DESIGN DISTRICT, PLLC
	Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918
5 A-1/40	SCOPE DOCUMENTS
	The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope of the Project. The Contractor is responsible for complete and coordinated pricing and Work, and shall include all items necessary for the proper execution and completion of the Project, whether indicated or not. All components of the Project
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	 108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande
	Princesse St. Croix, U.S.V.I. ↔ Hibiscus Beach, LLC
5 A-1.40	WEDGE
	∞ C. BROWNE 2020025
	Project Architect Project No. 11/03/23 Date
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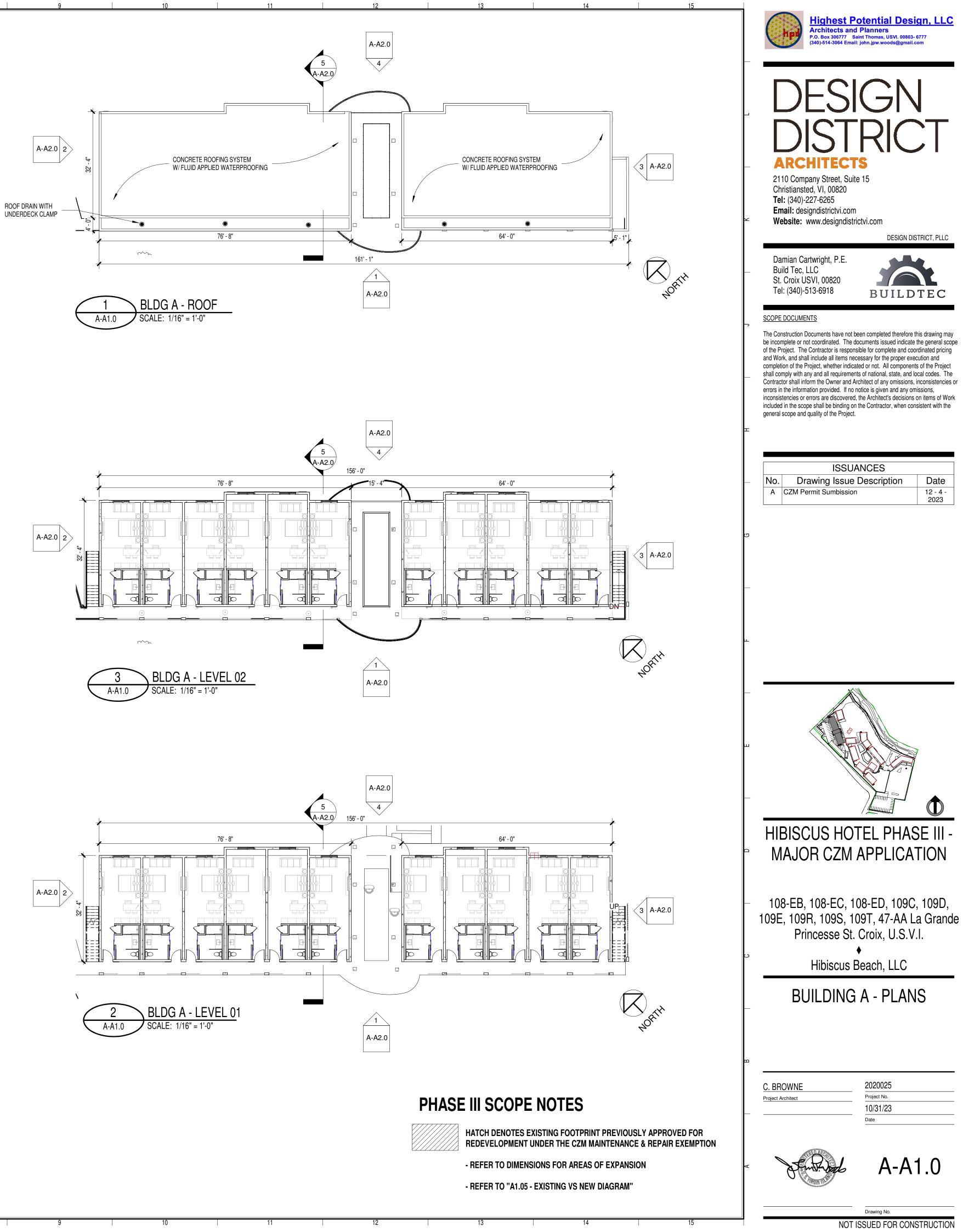


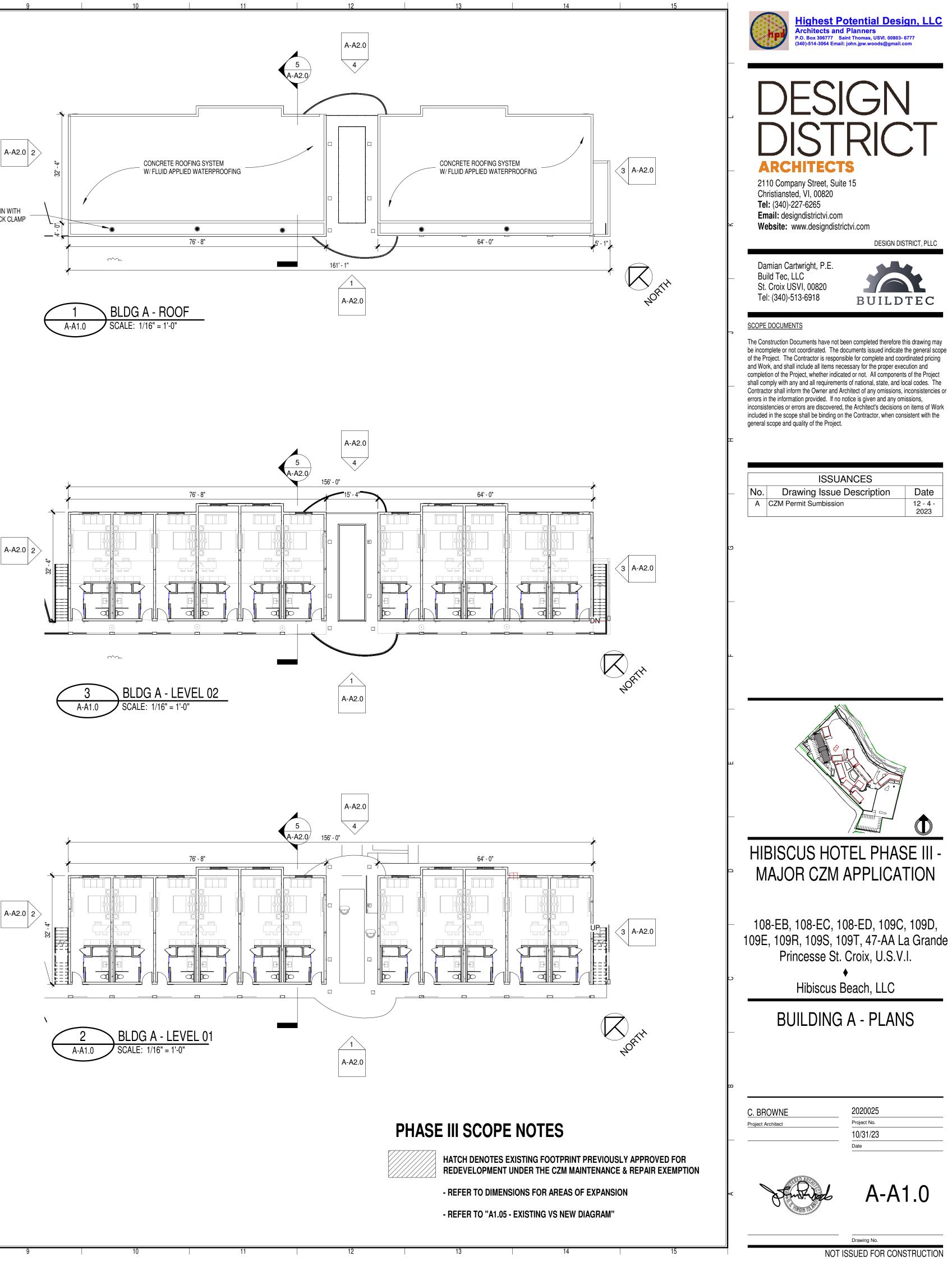


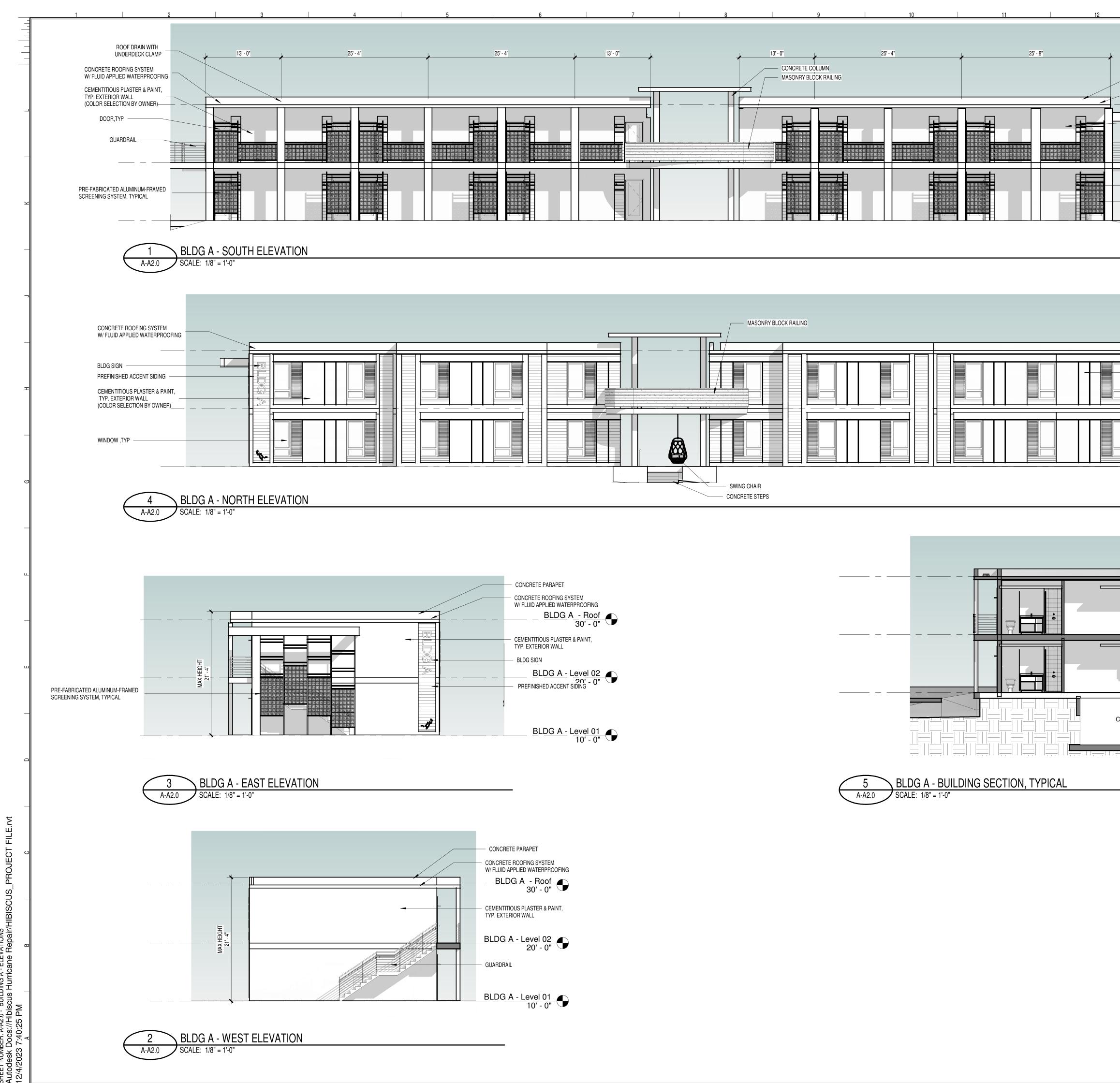










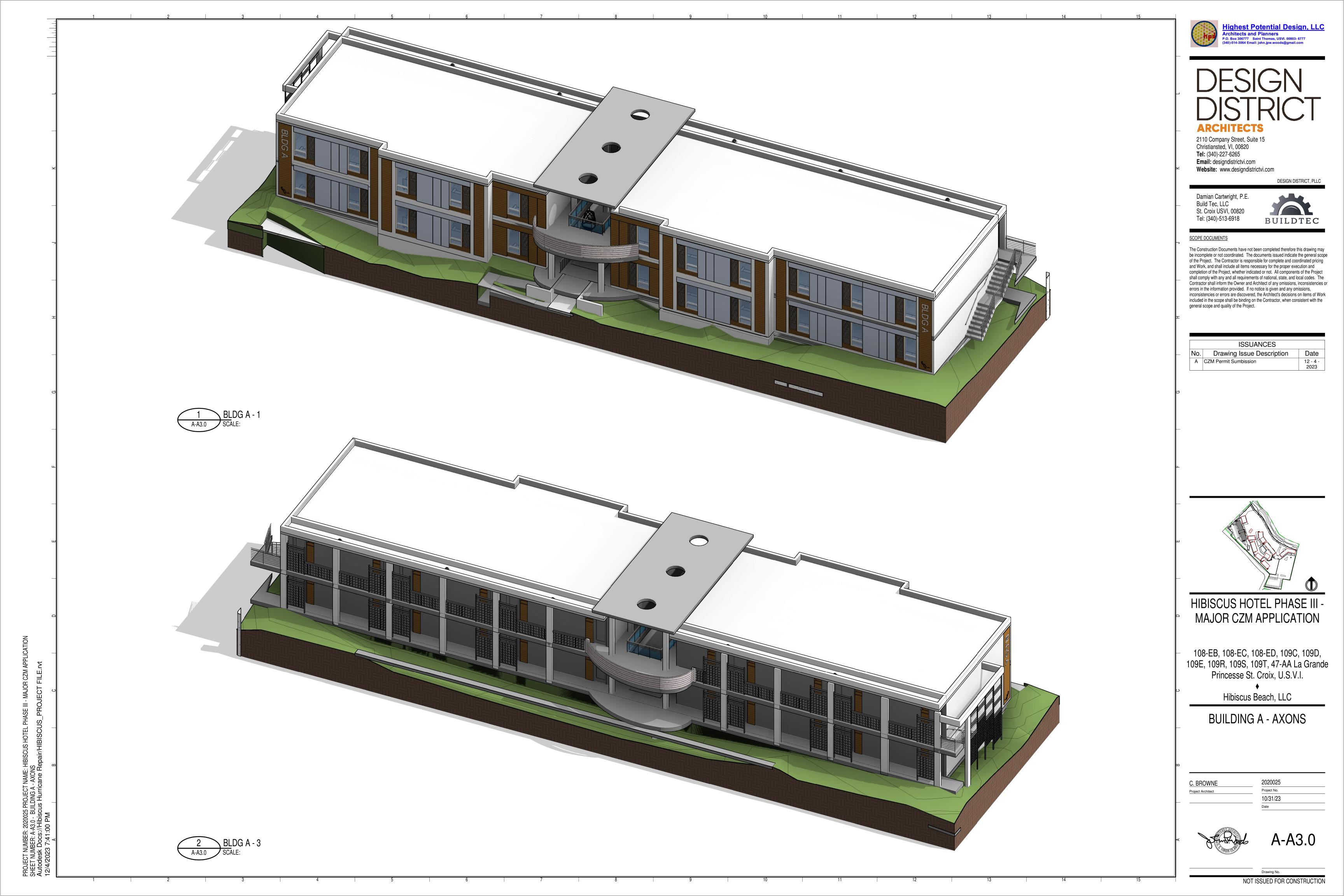


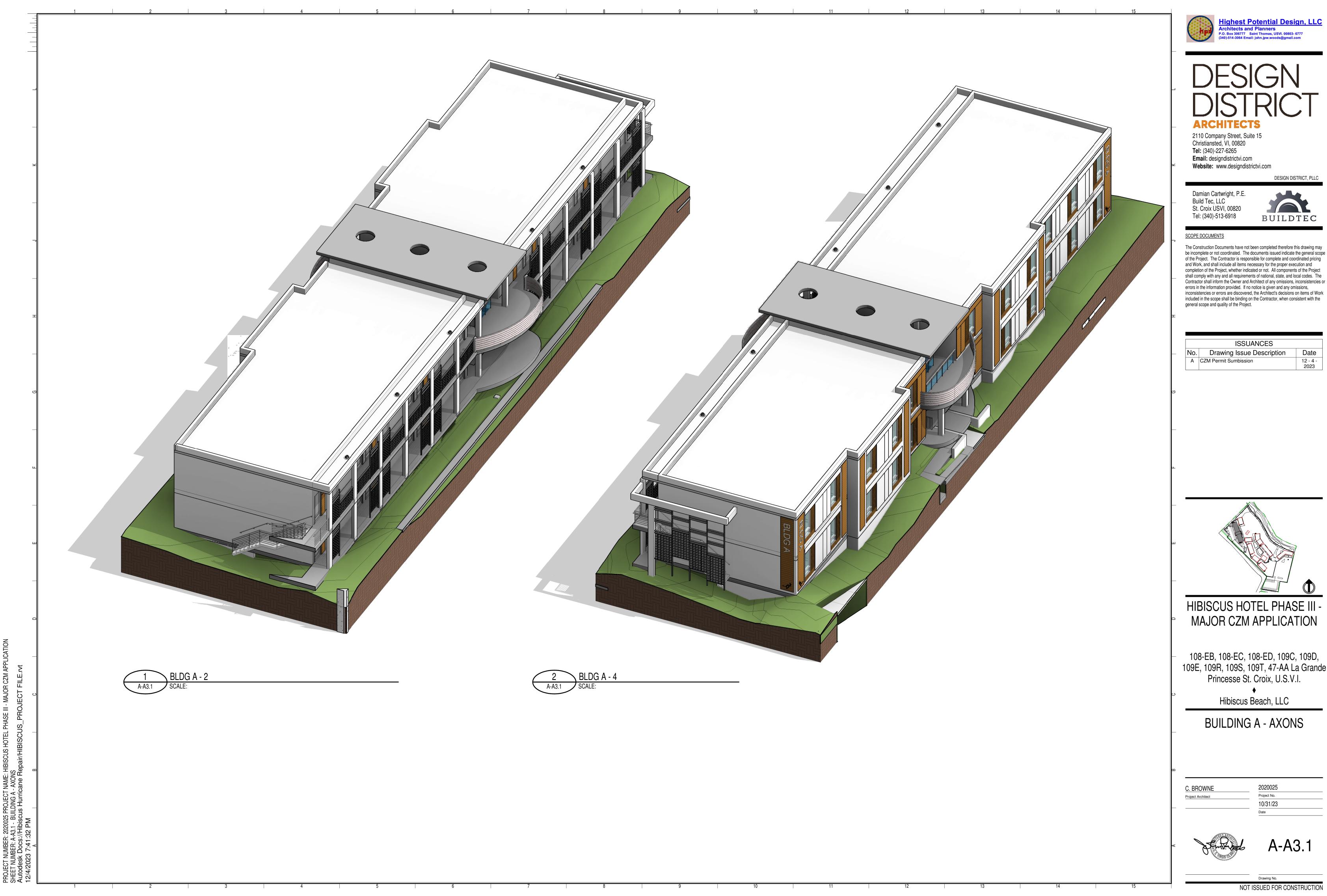
MAJOR CZM AF \equiv Ш Щ \circ Ö റ് PROJECT NUMBER: 2020025 PROJECT NAME: HIBISC SHEET NUMBER: A-A2.0 - BUILDING A - ELEVATIONS Autodesk Docs://Hibiscus Hurricane Repair/ 12/4/2023 7:40:25 PM

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	ETE PARAPET	Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
	ETE ROOFING SYSTEM D APPLIED WATERPROOFING	
	B <u>LDG A</u>	DESIGN
(COLO	NTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL IR SELECTION BY OWNER) RDRAIL	DISTRICT
MAX.HEIGHT	_BLD <u>G A - Level 02</u> 20' - 0"	ARCHITECTS 2110 Company Street, Suite 15
PREFIN	ISHED ACCENT SIDING	Christiansted, VI, 00820 Tel: (340)-227-6265
	BRICATED ALUMINUM-FRAMED NING SYSTEM, TYPICAL BLD <u>G A - Level 01</u> 10' - 0"	 Email: designdistrictvi.com Website: www.designdistrictvi.com DESIGN DISTRICT, PLLC
	10' - 0"	Damian Cartwright, P.E. Build Tec, LLC
_		St. Croix USVI, 00820 Tel: (340)-513-6918 BUILDTEC
		SCOPE DOCUMENTS
	CONCRETE ROOFING SYSTEM W/ FLUID APPLIED WATERPROOFING	The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope of the Project. The Contractor is responsible for complete and coordinated pricing and Work, and shall include all items necessary for the proper execution and
	<u>BLDG</u> A <u>Roof</u> 30' - 0"	 completion of the Project, whether indicated or not. All components of the Project shall comply with any and all requirements of national, state, and local codes. The Contractor shall inform the Owner and Architect of any omissions, inconsistencies or errors in the information provided. If no notice is given and any omissions,
	CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL (COLOR SELECTION BY OWNER)	inconsistencies or errors are discovered, the Architect's decisions on items of Work included in the scope shall be binding on the Contractor, when consistent with the general scope and quality of the Project.
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MAX HEIGHT	BLDG A - Level 02	
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	BLDG A - Level 01	
	10' - 0"	
		HIBISCUS HOTEL PHASE III -
		MAJOR CZM APPLICATION
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		109E, 109R, 109S, 109T, 47-AA La Grande Princesse St. Croix, U.S.V.I.
		Hibiscus Beach, LLC
		BUILDING A - ELEVATIONS
		m
		C. BROWNE 2020025 Project Architect Project No.
		Project Architect Project No. 10/31/23 Date
	SH FLOOR ELEVATIONS NOTE:	A-A2.0
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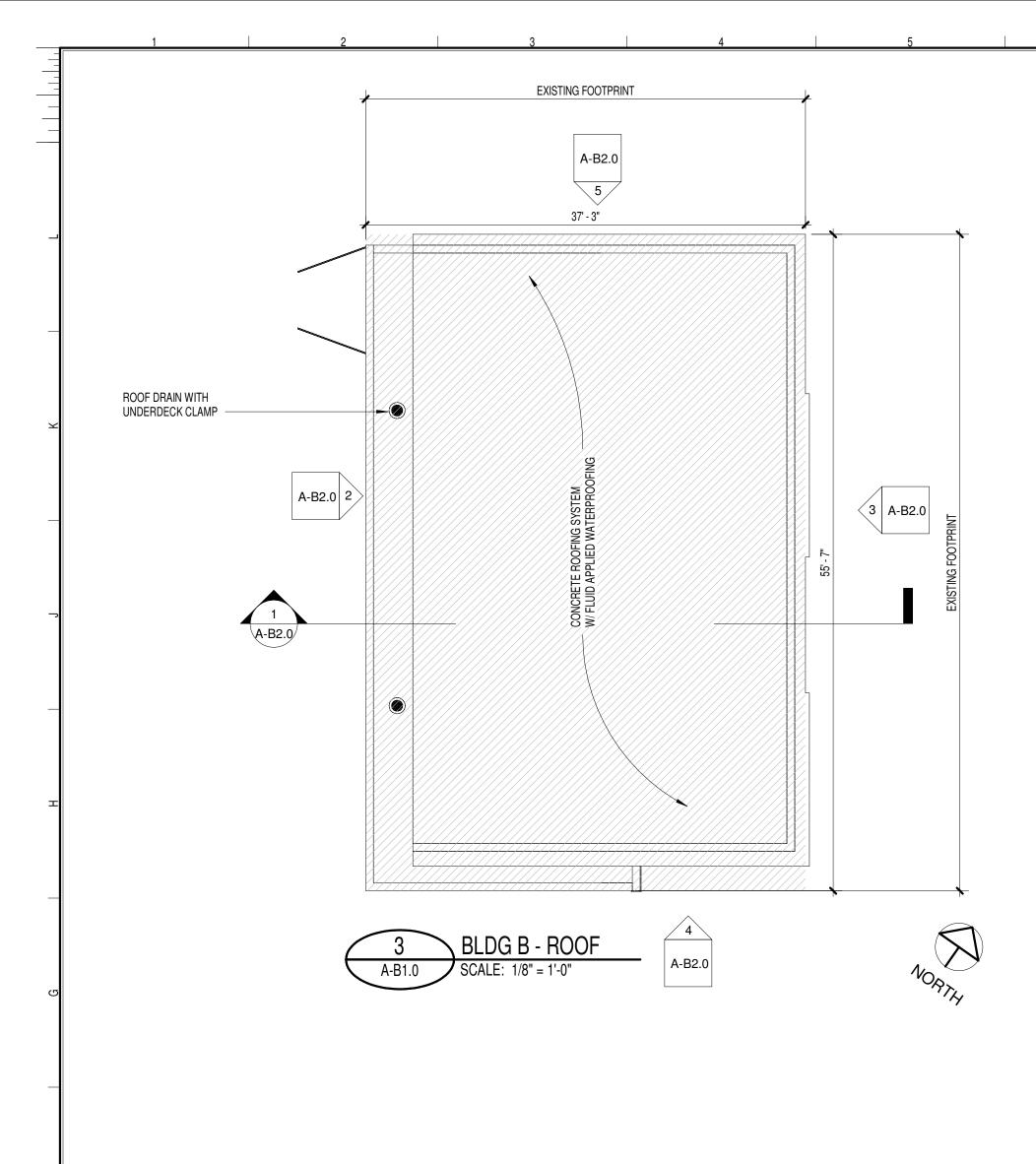
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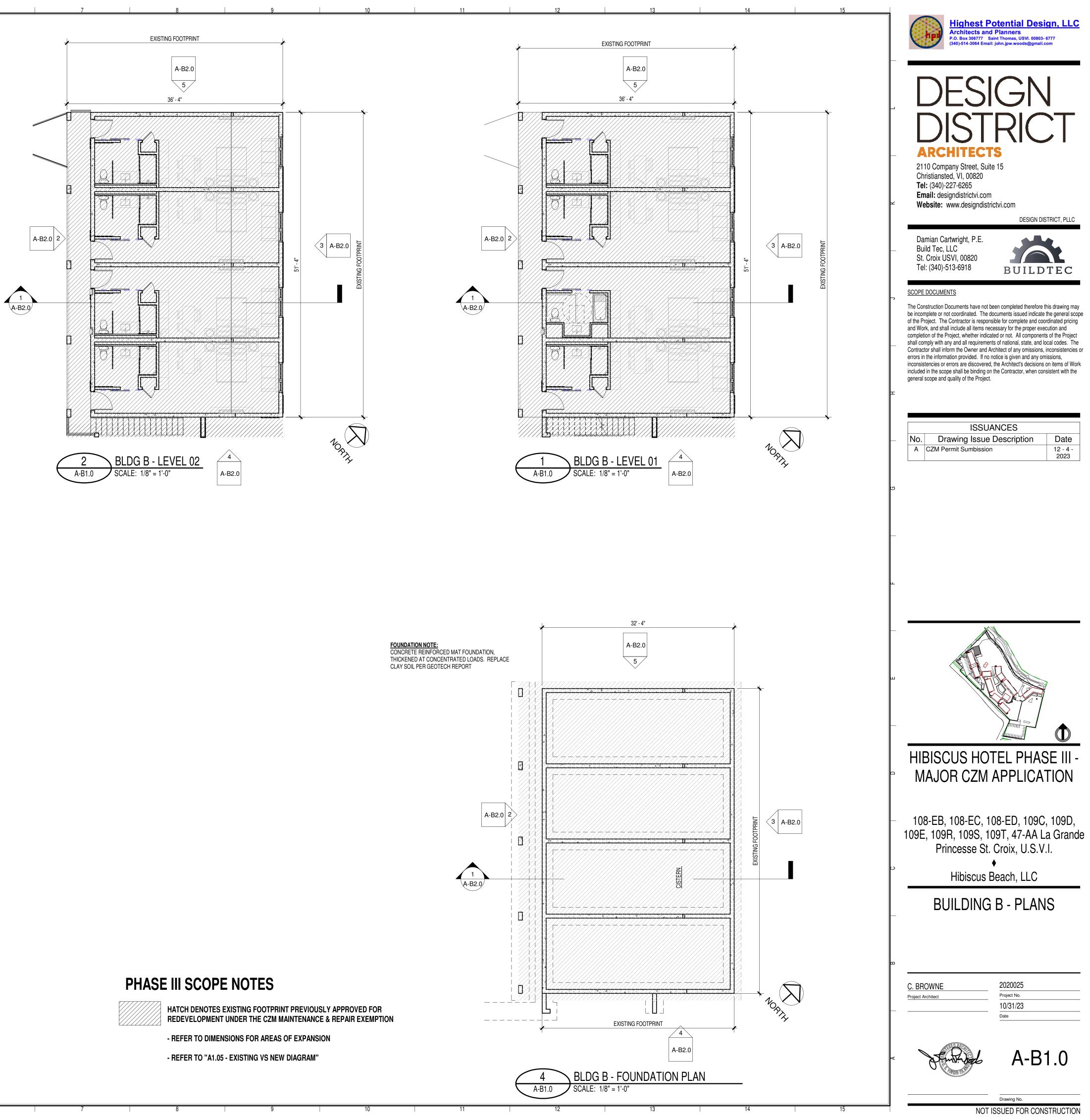
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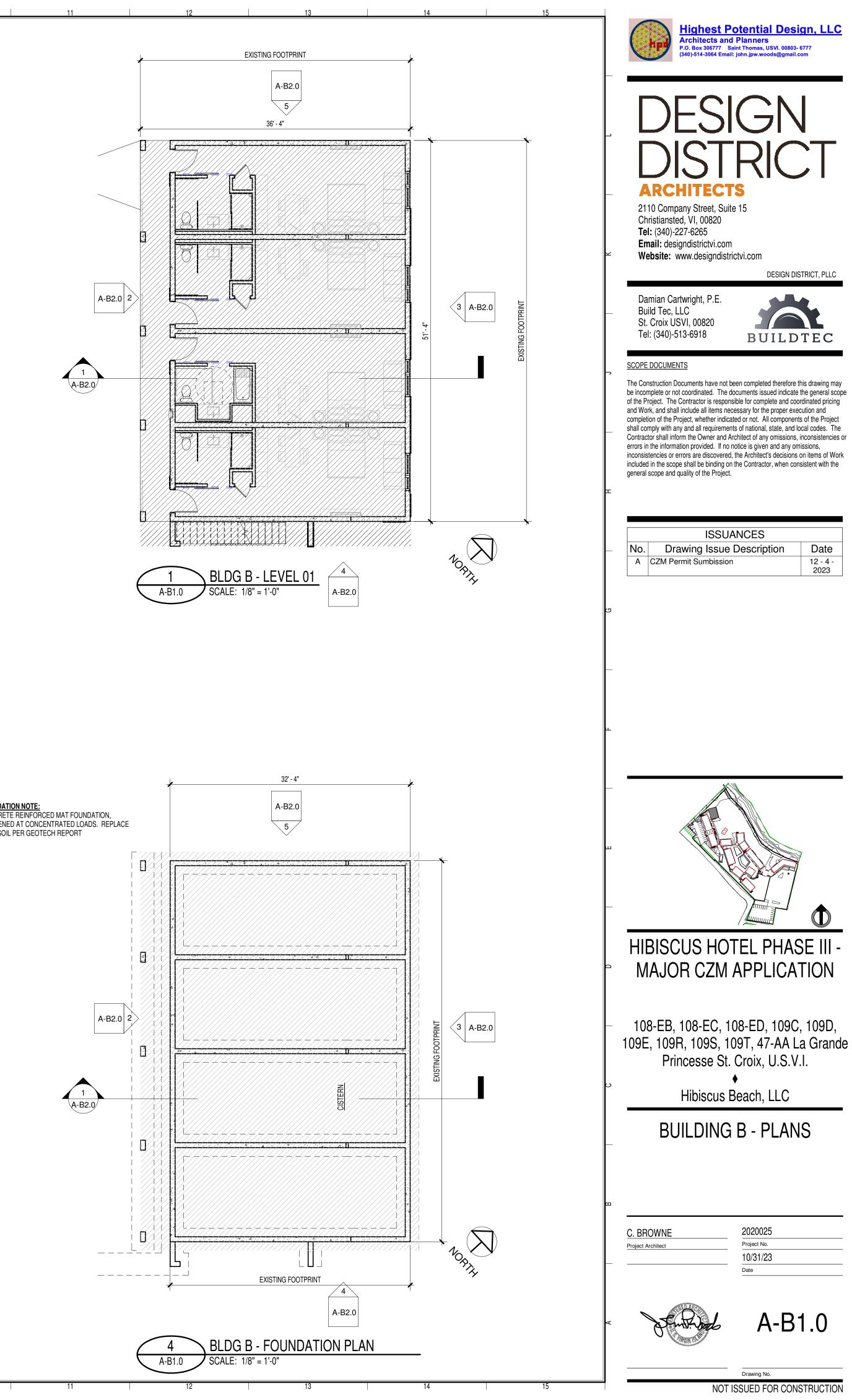
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2110 Company Street, Suite Christiansted, VI, 00820 Tel: (340)-227-6265	15				
Email: designdistrictvi.com Website: www.designdistric		TRICT, PLLC			
Damian Cartwright, P.E. Build Tec, LLC					
St. Croix USVI, 00820 Tel: (340)-513-6918	BUILD	TEC			
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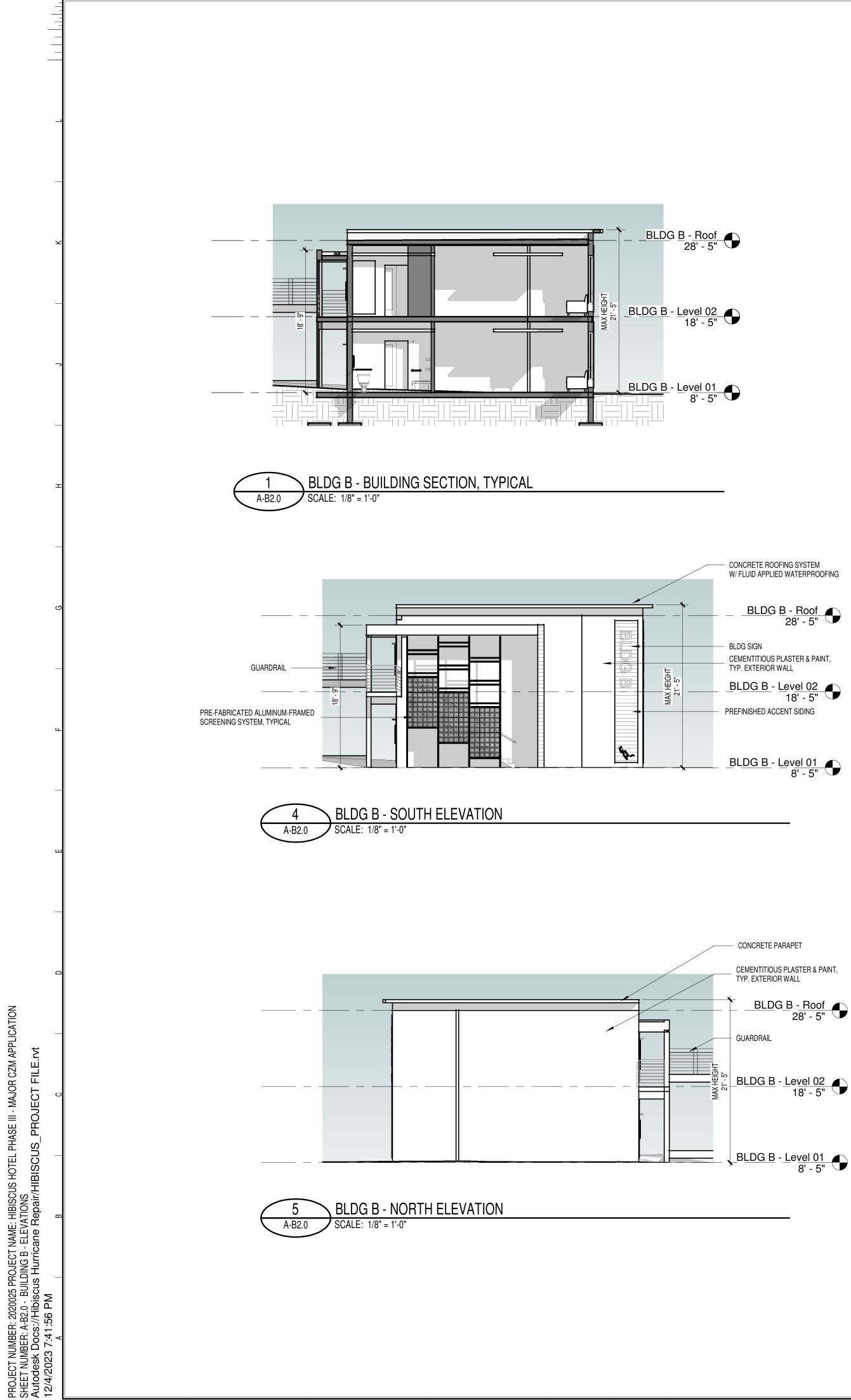












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_ Level 01 8' - 5"

BLDG B - Level 02 18' - 5"

BLDG B - Roof 28' - 5" GUARDRAIL

CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL

<u>BLDG B - Roof</u> 28' - 5"

CONCRETE PARAPET

BLDG SIGN PREFINISHED ACCENT SIDING ~9"

BLDG B - EAST ELEVATION SCALE: 1/8" = 1'-0"

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A-B2.0

BLDG B - WEST ELEVATION SCALE: 1/8" = 1'-0" A-B2.0

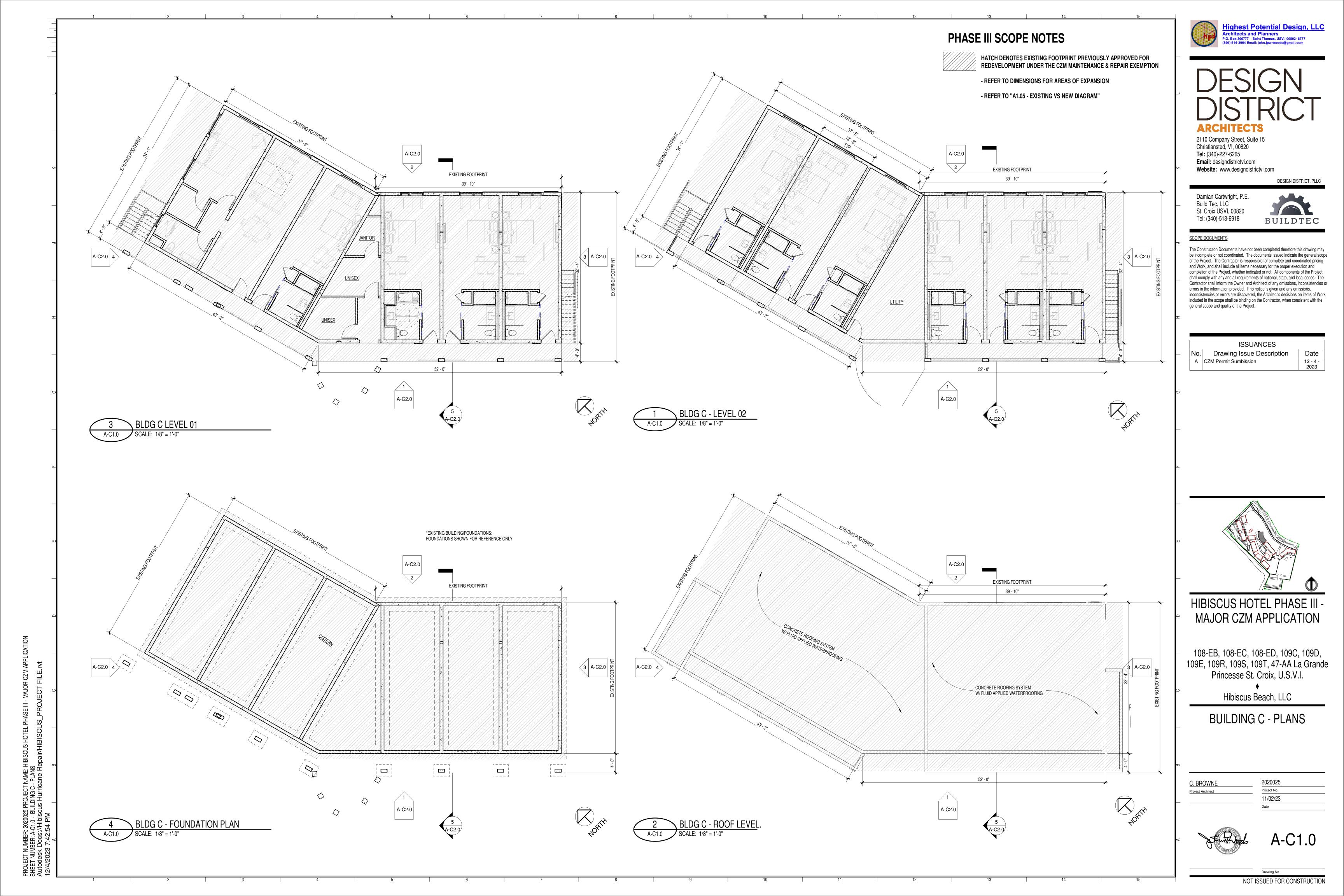
PRE-FABRICATED ALUMINUM-FRAMED

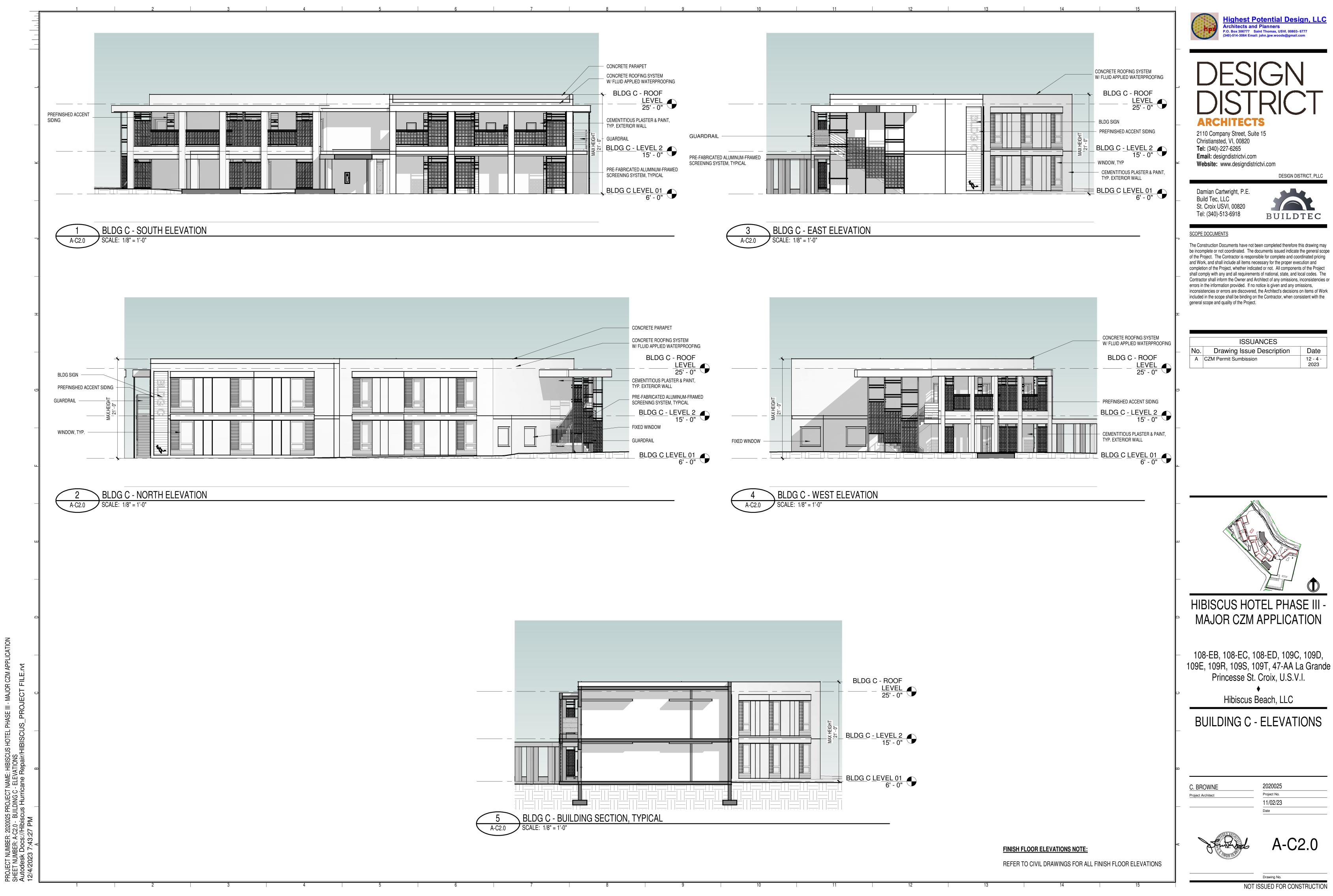
CONCRETE ROOFING SYSTEM W/ FLUID APPLIED WATERPROOFING PREFINISHED ACCENT SIDING GUARDRAIL ۵

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	Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
	DESIGN DISTRICT, PLLC DISTRICT, PLLC
	Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918 DUILDTEC SCOPE DOCUMENTS The Construction Documents have not been completed therefore this drawing may
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CONCRETE PARAPET CONCRETE ROOFING SYSTEM W/ FLUID APPLIED WATERPROOFING BLDG B - Roof	ISSUANCES No. Drawing Issue Description Date A CZM Permit Sumbission 12 - 4 - 2023
28' - 5" PLASTER W/ REVEALS PAINTED W/ ACCENT COLOR GUARDRAIL BLDG B - Level 02 18' - 5" PRE-FABRICATED ALUMINUM-FRAMED SCREENING SYSTEM, TYPICAL BLDG B - Level 01 8' - 5"	
CONCRETE PARAPET BLDG B - Roof 28' - 5"	HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATION
CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL BLDG B - Level 02 18' - 5" WINDOW, TYP	 108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande Princesse St. Croix, U.S.V.I. ♦ Hibiscus Beach, LLC
BLDG B - Level 01 8' - 5"	BUILDING B - ELEVATIONS
FINISH FLOOR ELEVATIONS NOTE:	C. BROWNE Project Architect Project Architect Date 2020025 Project No. 10/31/23 Date A-B2.0
REFER TO CIVIL DRAWINGS FOR ALL FINISH F	ELOOR ELEVATIONS Drawing No. 15 NOT ISSUED FOR CONSTRUCTION







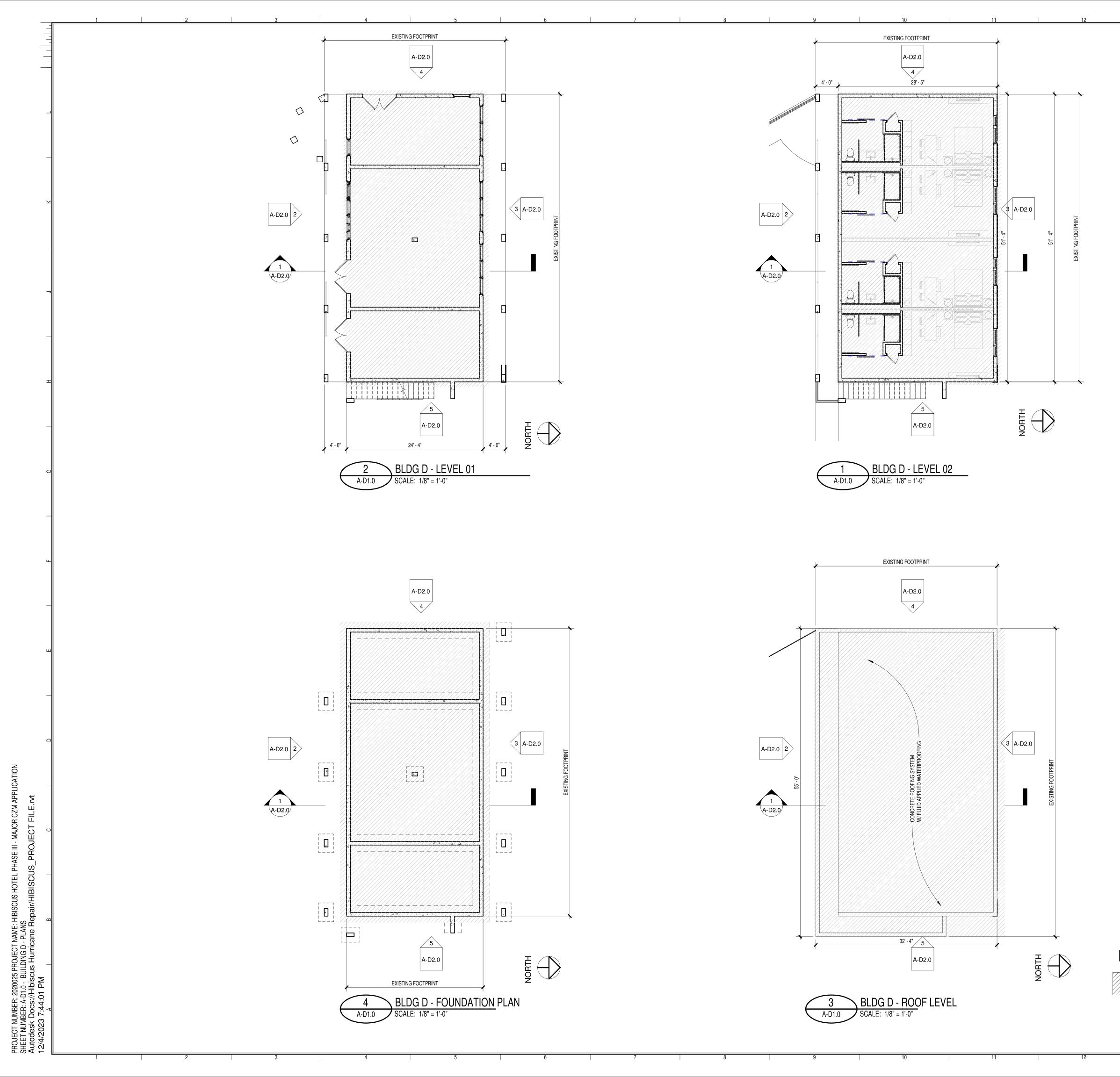


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DESIGN DISTRICT, PLLC

Date

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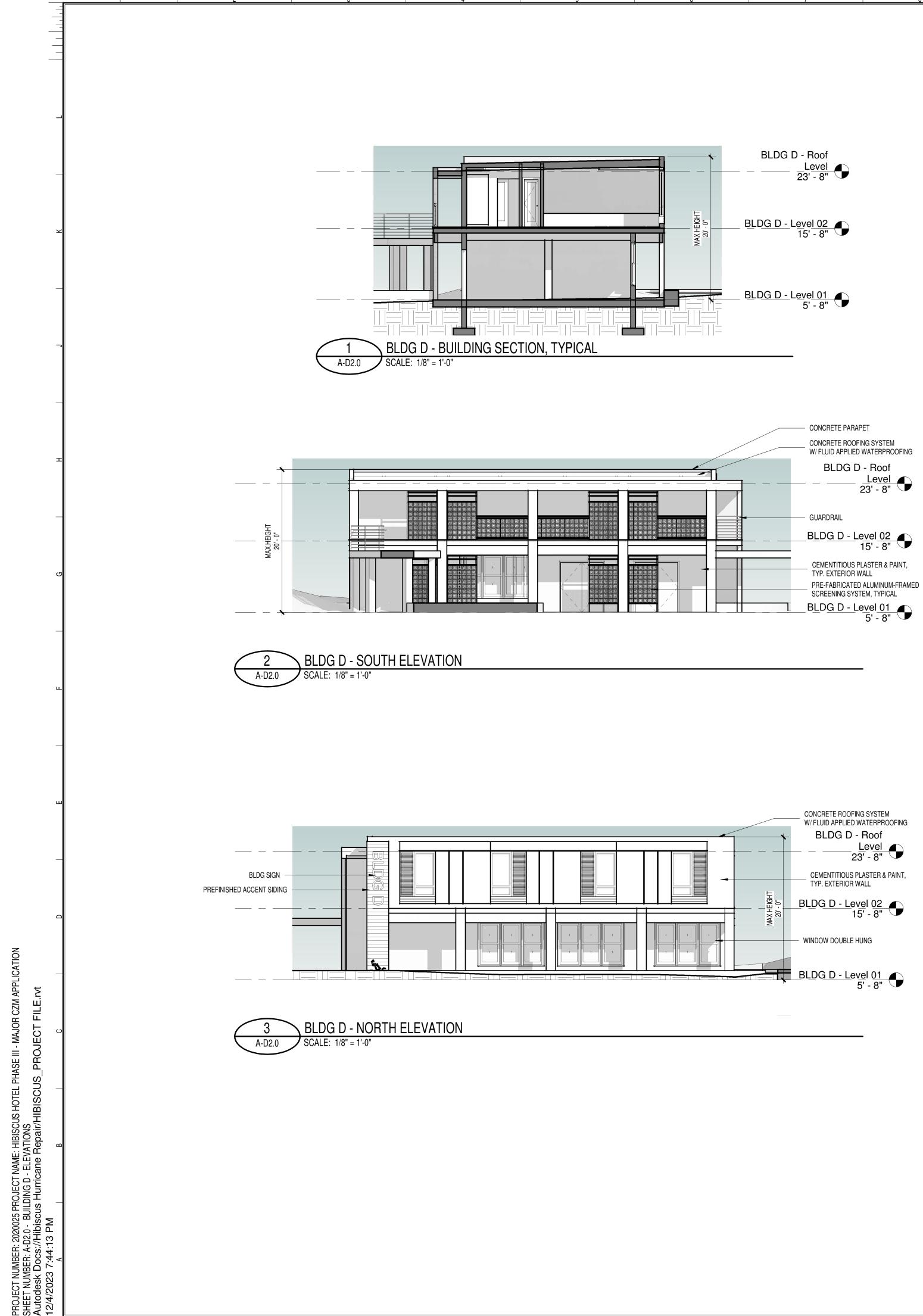
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Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918 SCOPE DOCUMENTS The Construction Documents have not been completed therefore this be incomplete or not coordinated. The documents issued indicate the of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project. The Contractor is responsible for complete and coordinate of the Project.	
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PHASE III SCOPE NOTES

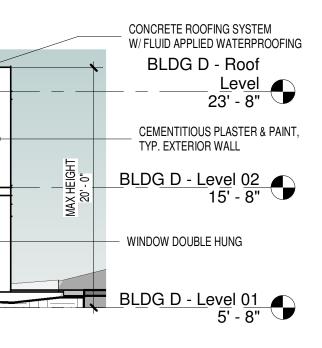
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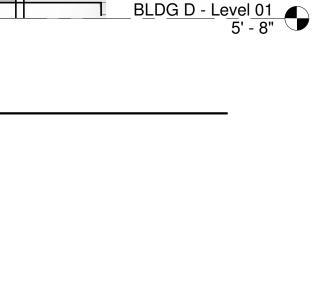
- REFER TO DIMENSIONS FOR AREAS OF EXPANSION

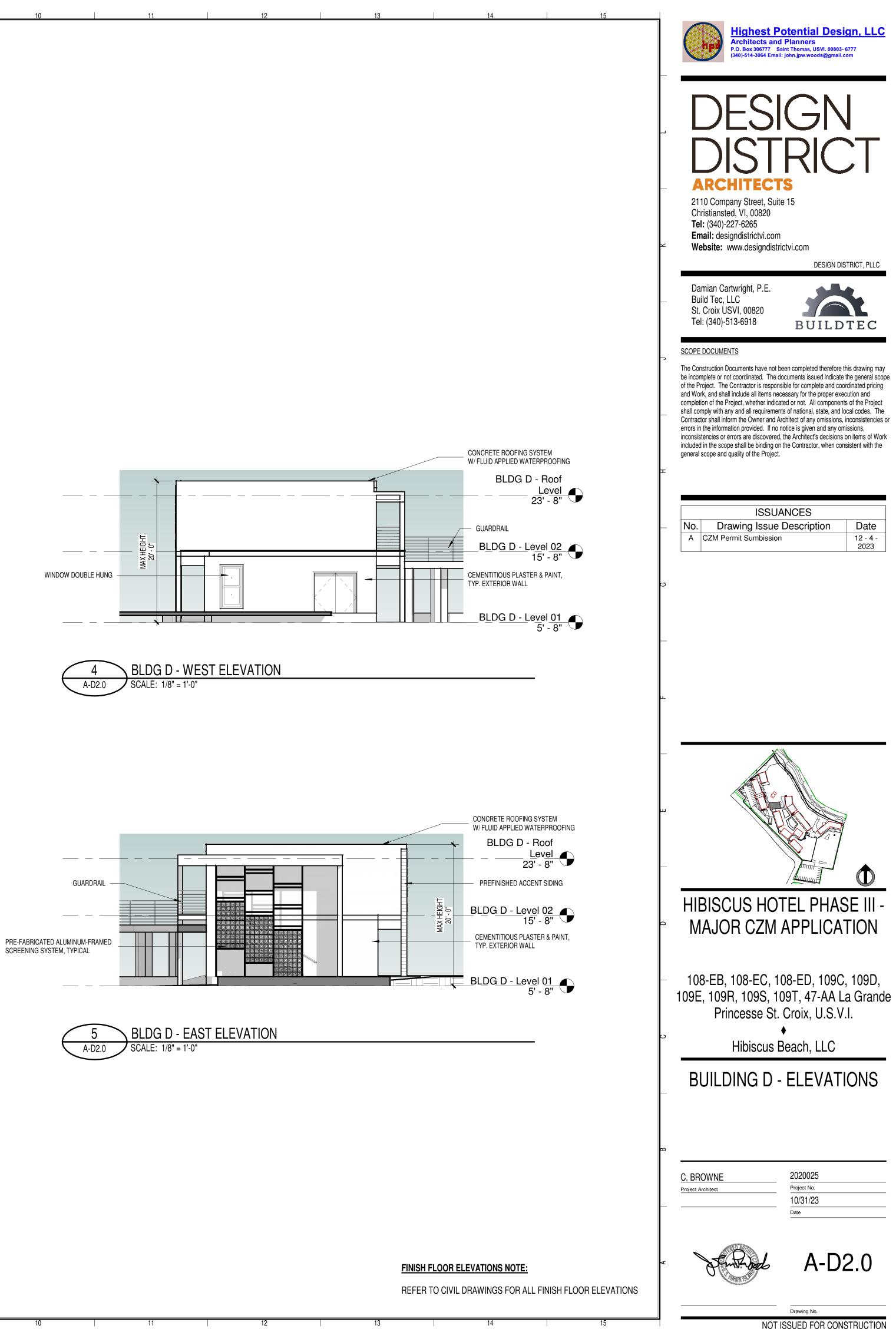
- REFER TO "A1.05 - EXISTING VS NEW DIAGRAM"

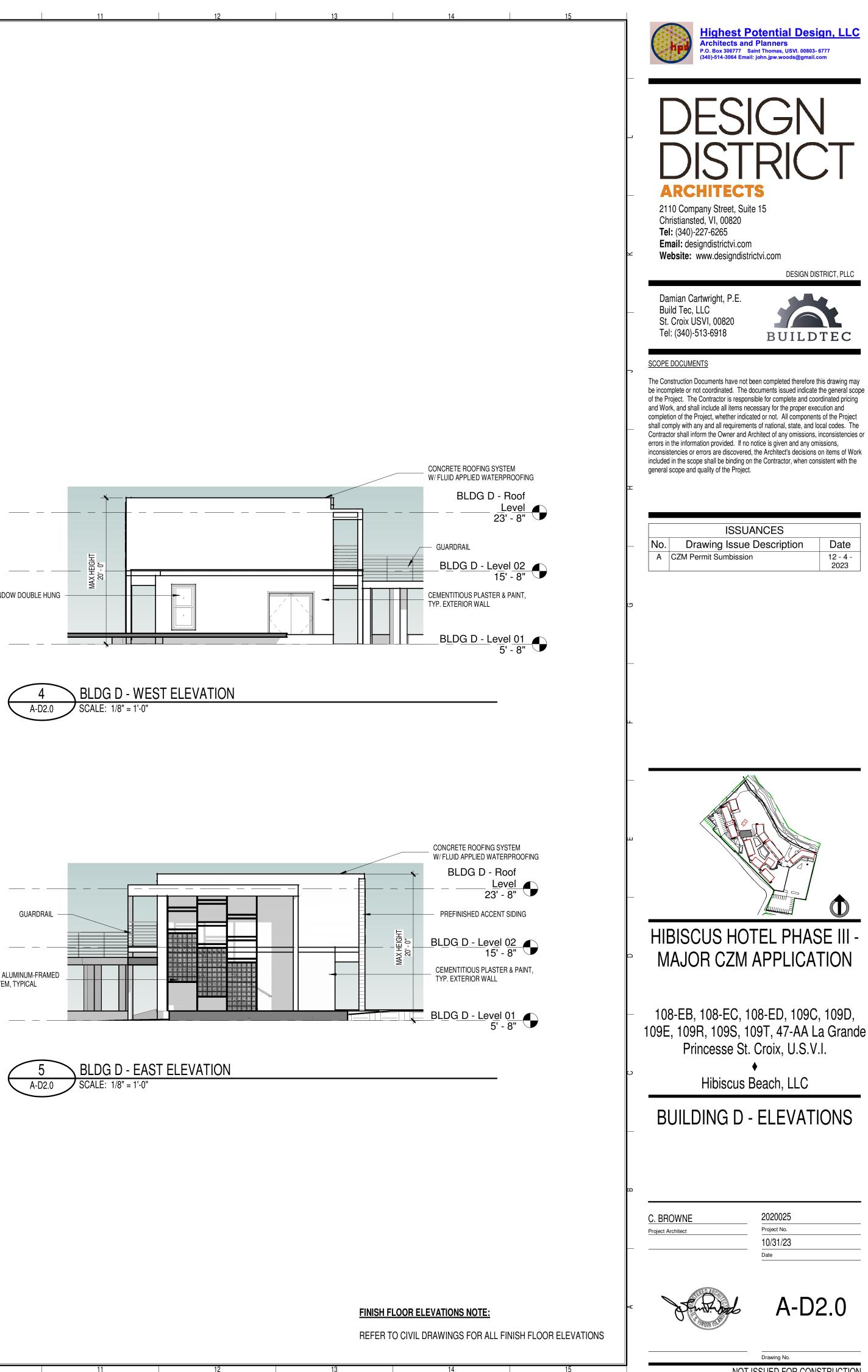


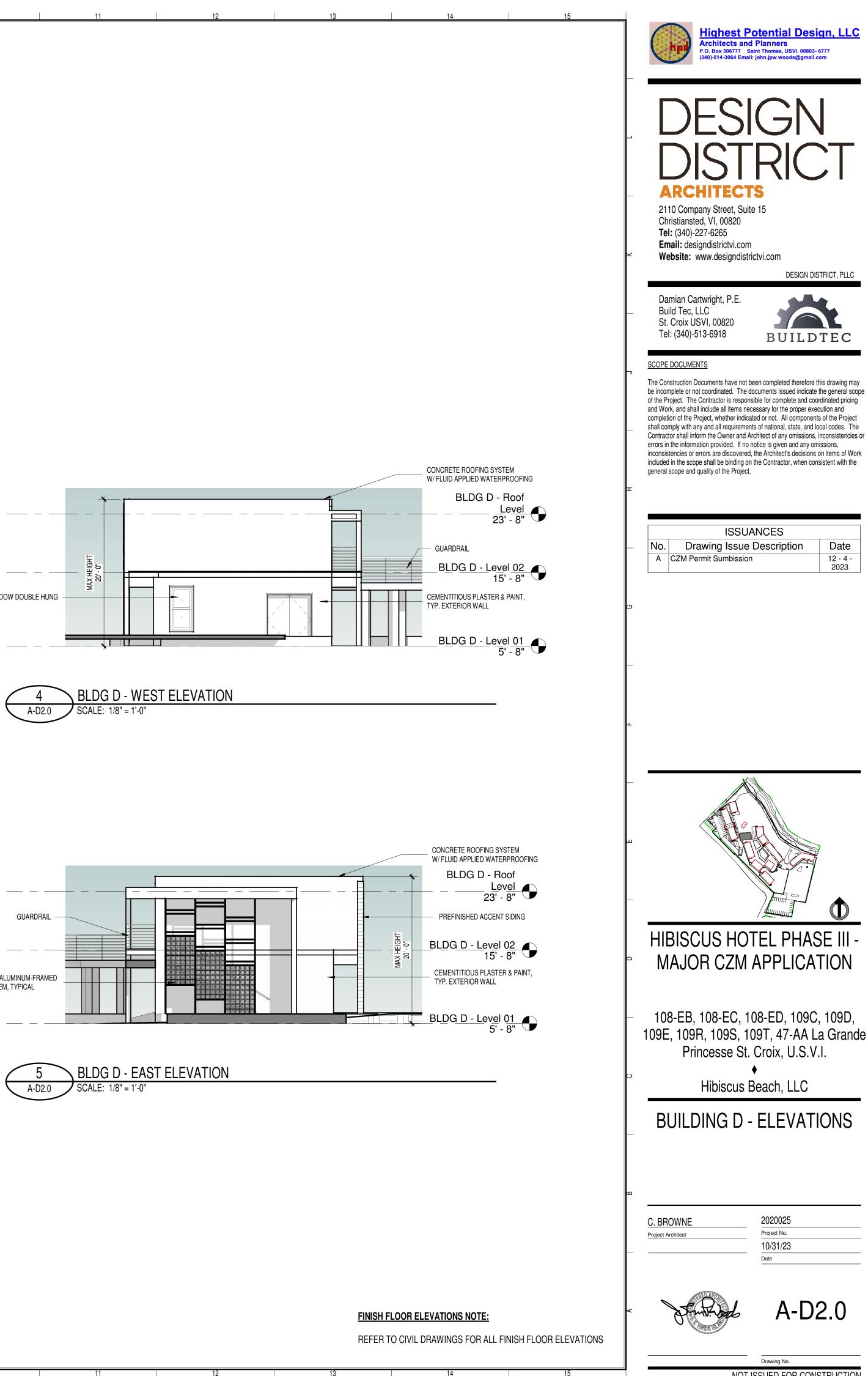
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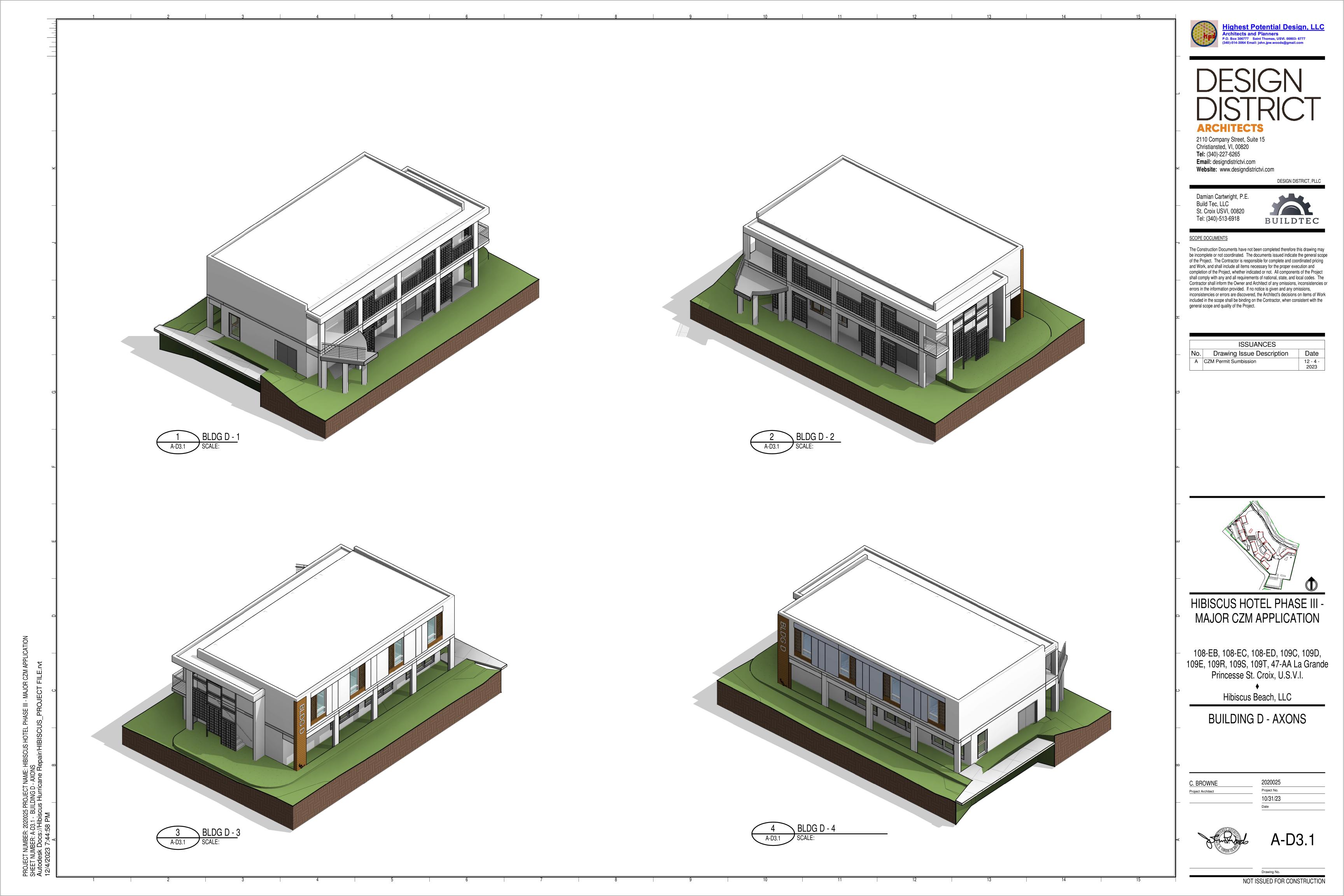


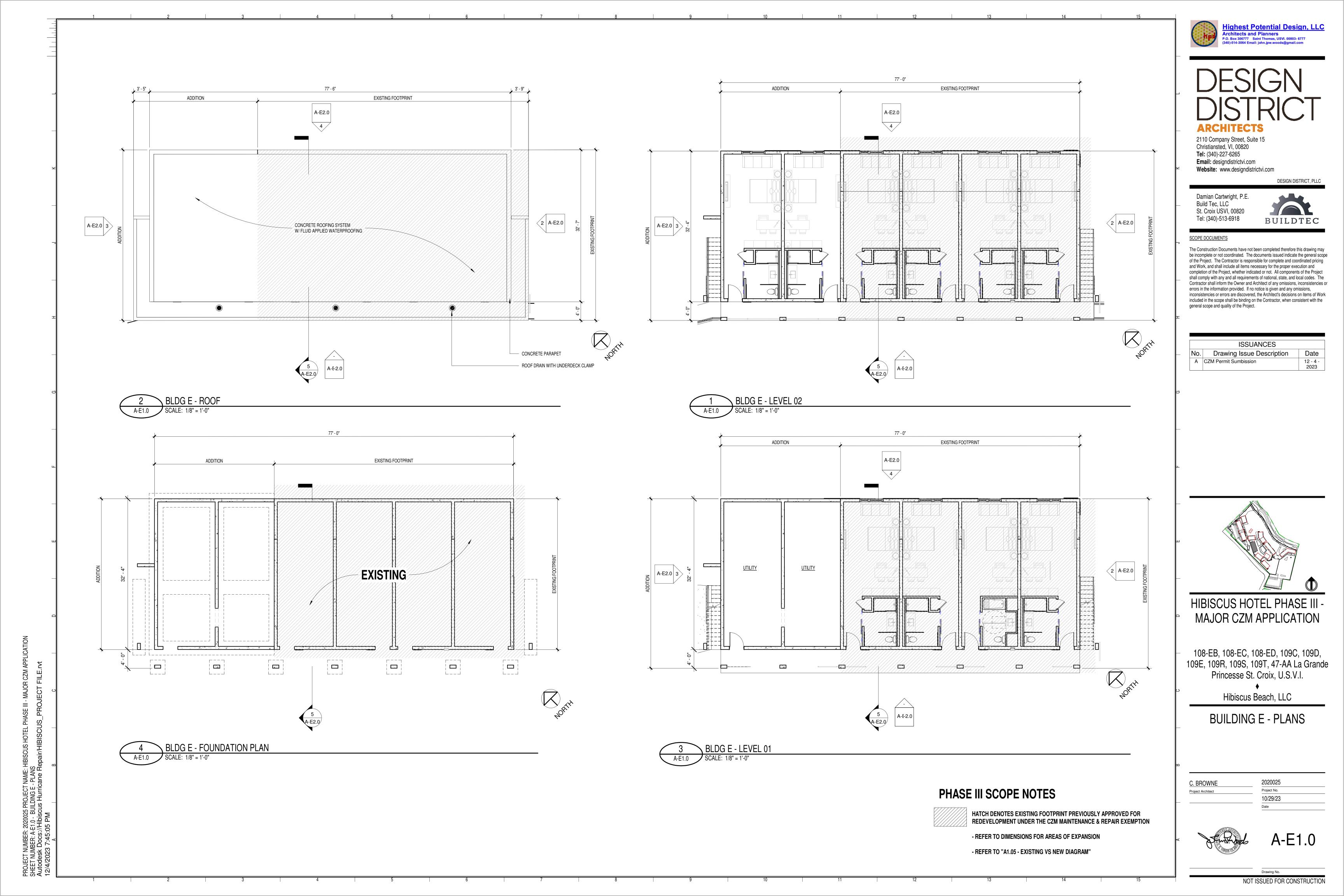














MAJOR CZM APPLICATION

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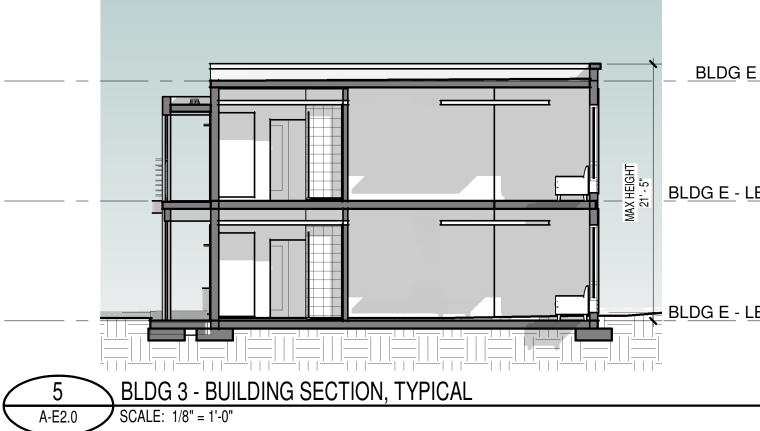
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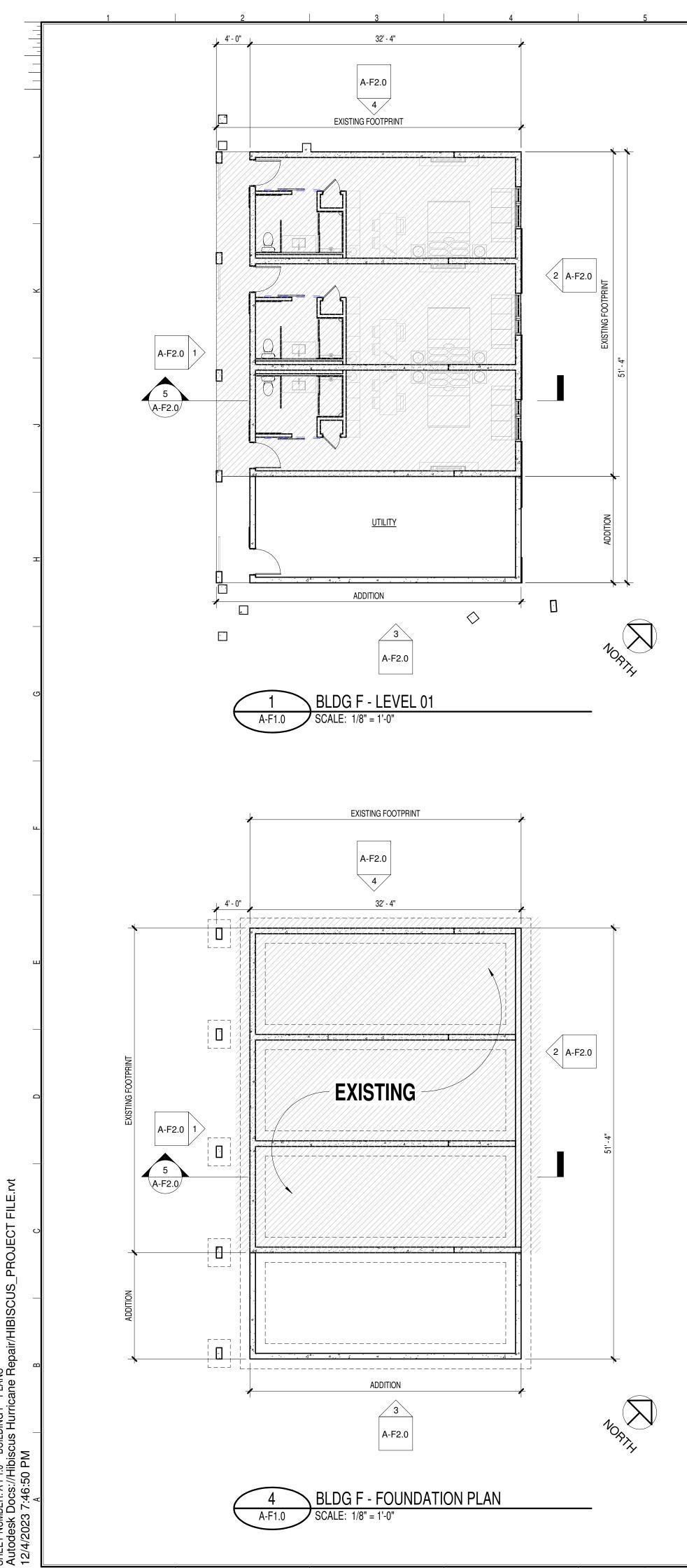
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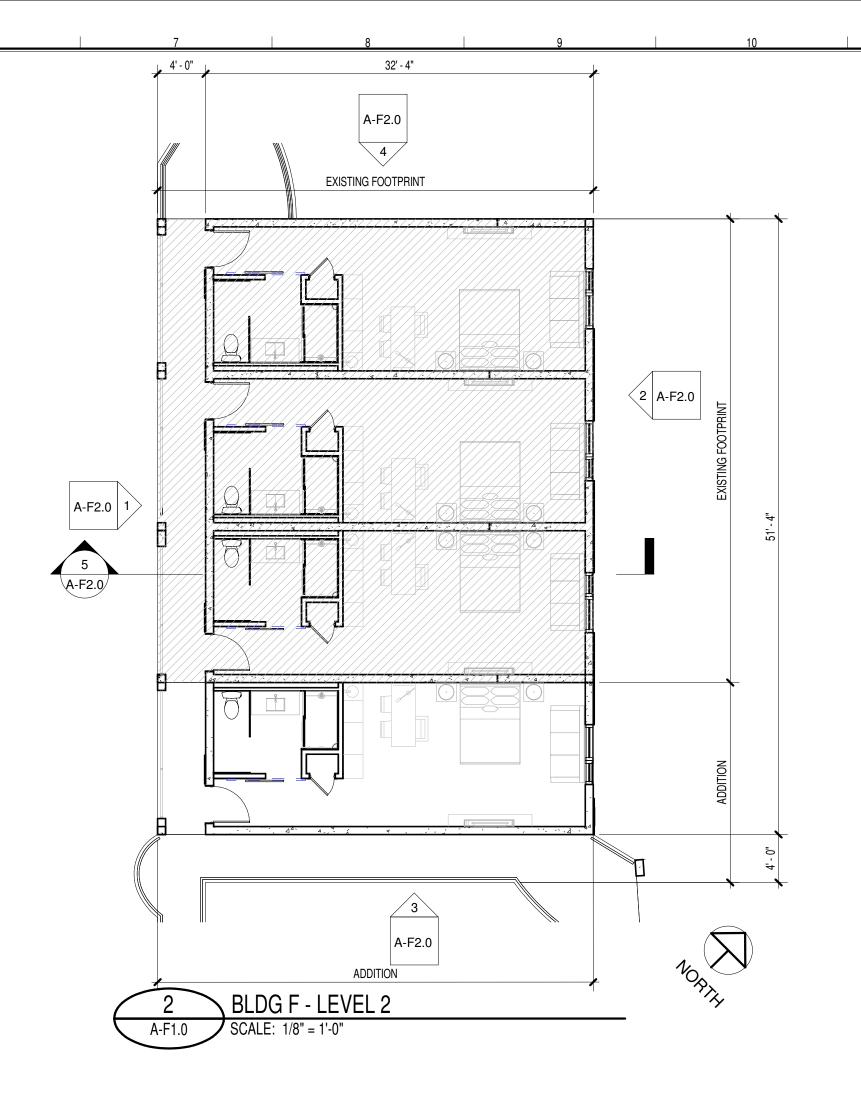
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FINISH FLOOR ELEVATIONS NOTE: REFER TO CIVIL DRAWINGS FOR ALL FINISH FLOOR ELEVATIONS	Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
	DESIGN DISTRICT ARCHITECTS
- ROOF 24' - 4"	 2110 Company Street, Suite 15 Christiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com Website: www.designdistrictvi.com
EVEL 02 14' - 4"	Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tel: (340)-513-6918
EV <u>EL 01</u> 4' - 4"	SCOPE DOCUMENTS The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope of the Project. The Contractor is responsible for complete and coordinated pricing and Work, and shall include all items necessary for the proper execution and
	completion of the Project, whether indicated or not. All components of the Project shall comply with any and all requirements of national, state, and local codes. The Contractor shall inform the Owner and Architect of any omissions, inconsistencies or errors in the information provided. If no notice is given and any omissions, inconsistencies or errors are discovered, the Architect's decisions on items of Work included in the scope shall be binding on the Contractor, when consistent with the general scope and quality of the Project.
	ISSUANCES No. Drawing Issue Description A CZM Permit Sumbission
CONCRETE PARAPET CONCRETE ROOFING SYSTEM W/ FLUID APPLIED WATERPROOFING BLDG E - ROOF 24' - 4"	ප ප
CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL GUARDRAIL BLDG E - LEVEL 02 14' - 4" PRE-FABRICATED ALUMINUM-FRAMED	 L
SCREENING SYSTEM, TYPICAL BLDG E - LEVEL 01 4' - 4"	
	HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATION
CONCRETE PARAPET	 108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande Princesse St. Croix, U.S.V.I.
BLDG E - ROOF 24' - 4"	Hibiscus Beach, LLC
WINDOW,TYP	BUILDING E - ELEVATIONS
BLDG E - LEVEL 02 14' - 4" CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL	m
BLDG E - LEVEL 01 4' - 4"	C. BROWNE 2020025 Project Architect Project No. 10/29/23 Date
	- A-E2.0
13 14 15	Drawing No.

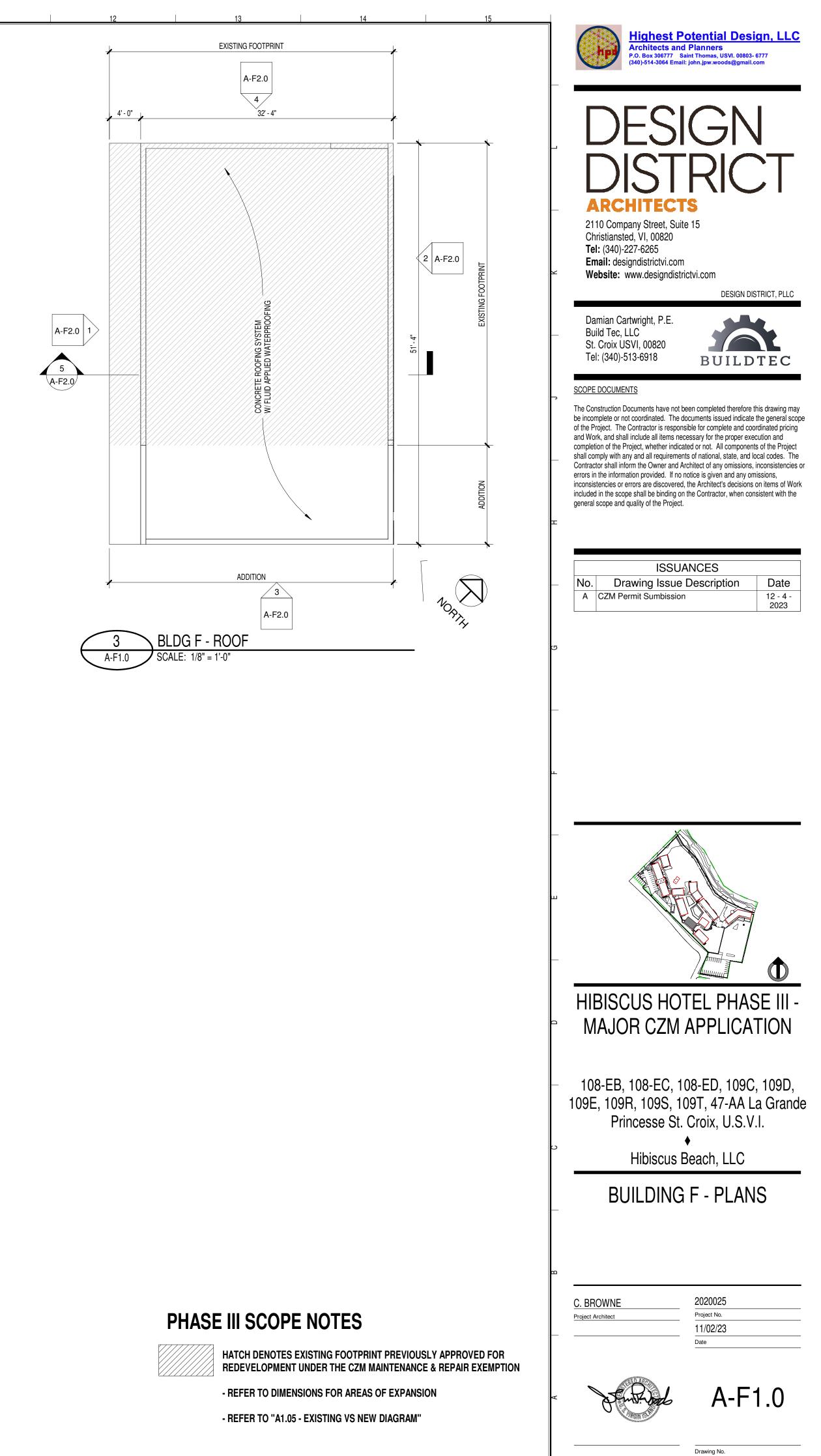




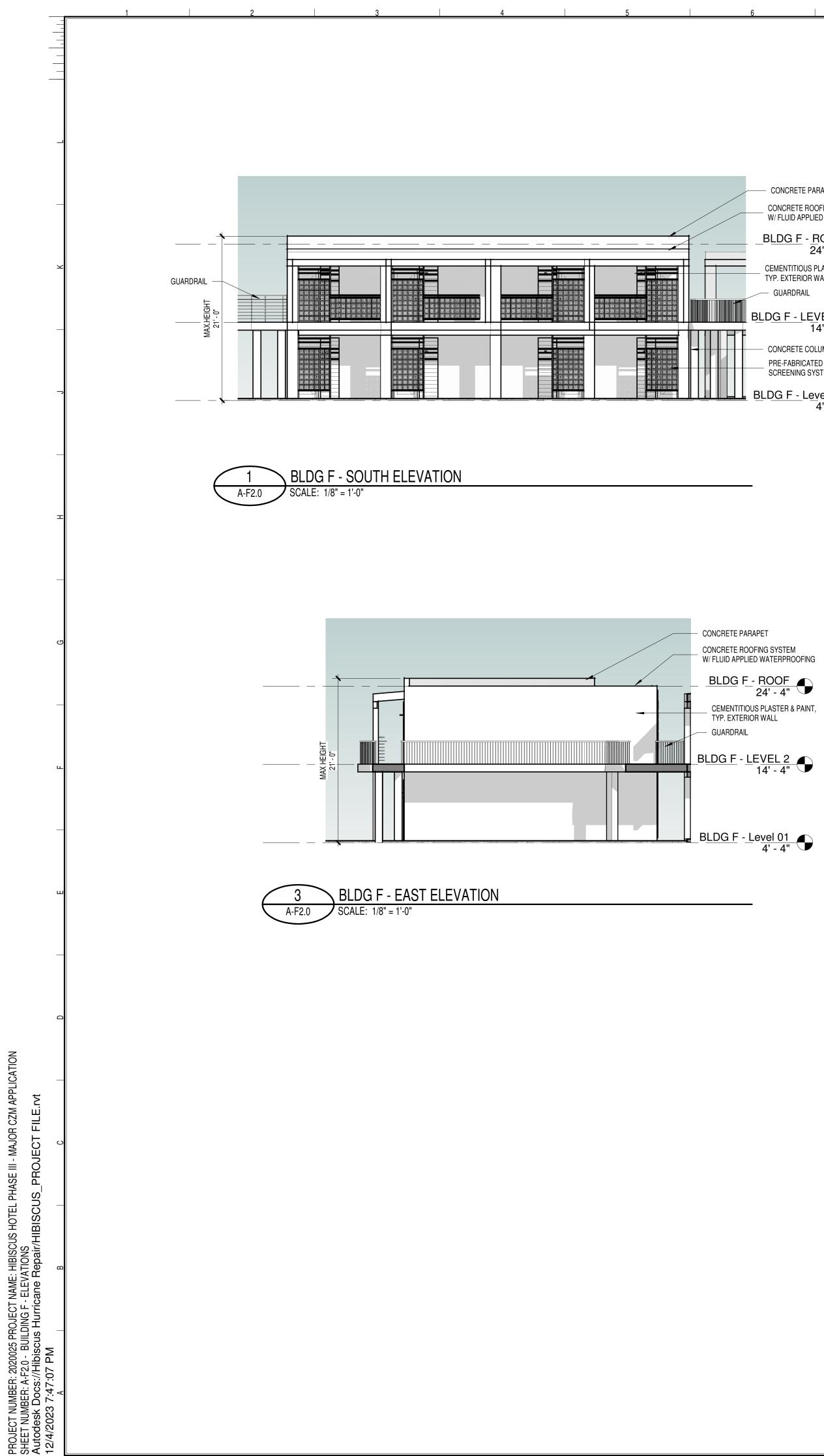
CZM MAJOR CT PROJECT NUMBER: 2020025 PROJECT NAME: | SHEET NUMBER: A-F1.0 - BUILDING F - PLANS Autodesk Docs://Hibiscus Hurricane R 12/4/2023 7:46:50 PM

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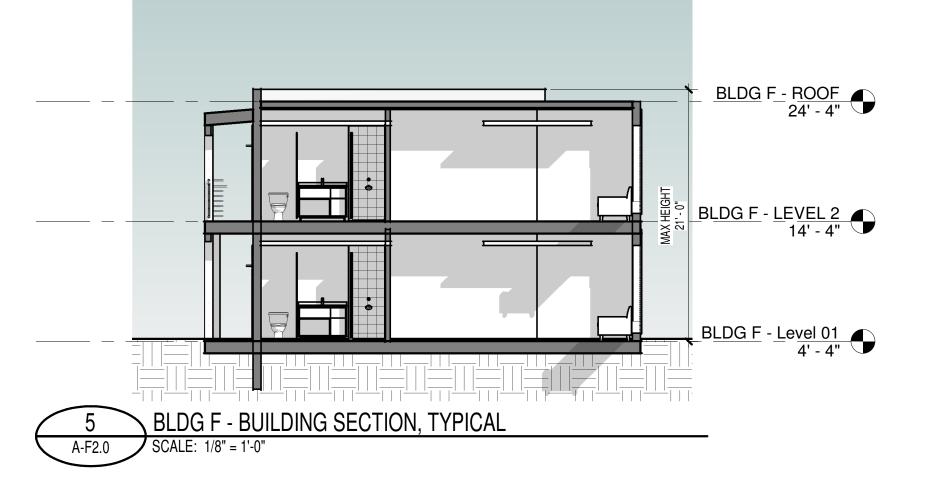
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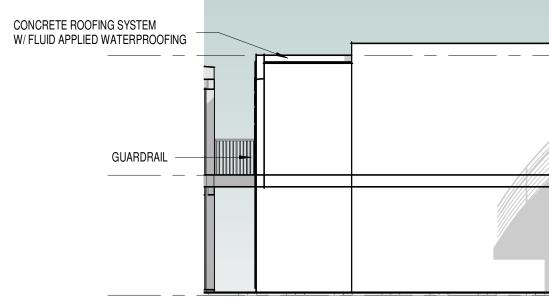
MAJOR CZM

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BLDG F - WEST ELEVATION SCALE: 1/8" = 1'-0" 4 A-F2.0



BLDG F - NORTH ELEVATION SCALE: 1/8" = 1'-0" A-F2.0

<u>BLDG F - Level 01</u> 4' - 4"

 CONCRETE COLUMN PRE-FABRICATED ALUMINUM-FRAMED SCREENING SYSTEM, TYPICAL

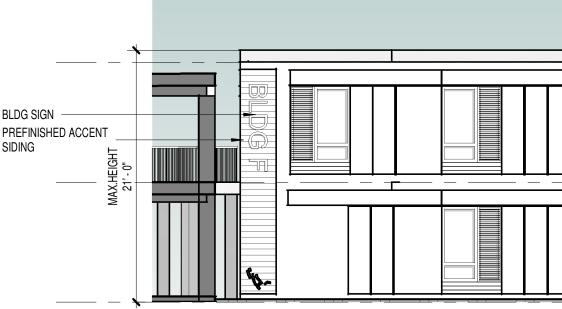
BLD<u>G F - LEVEL 2</u> 14' - 4"

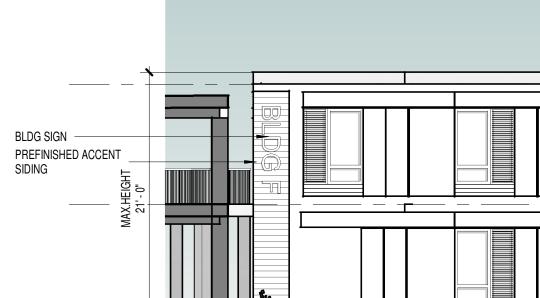
GUARDRAIL

CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL

_____BLDG F - <u>ROOF</u> 24' - 4"

- CONCRETE PARAPET CONCRETE ROOFING SYSTEM



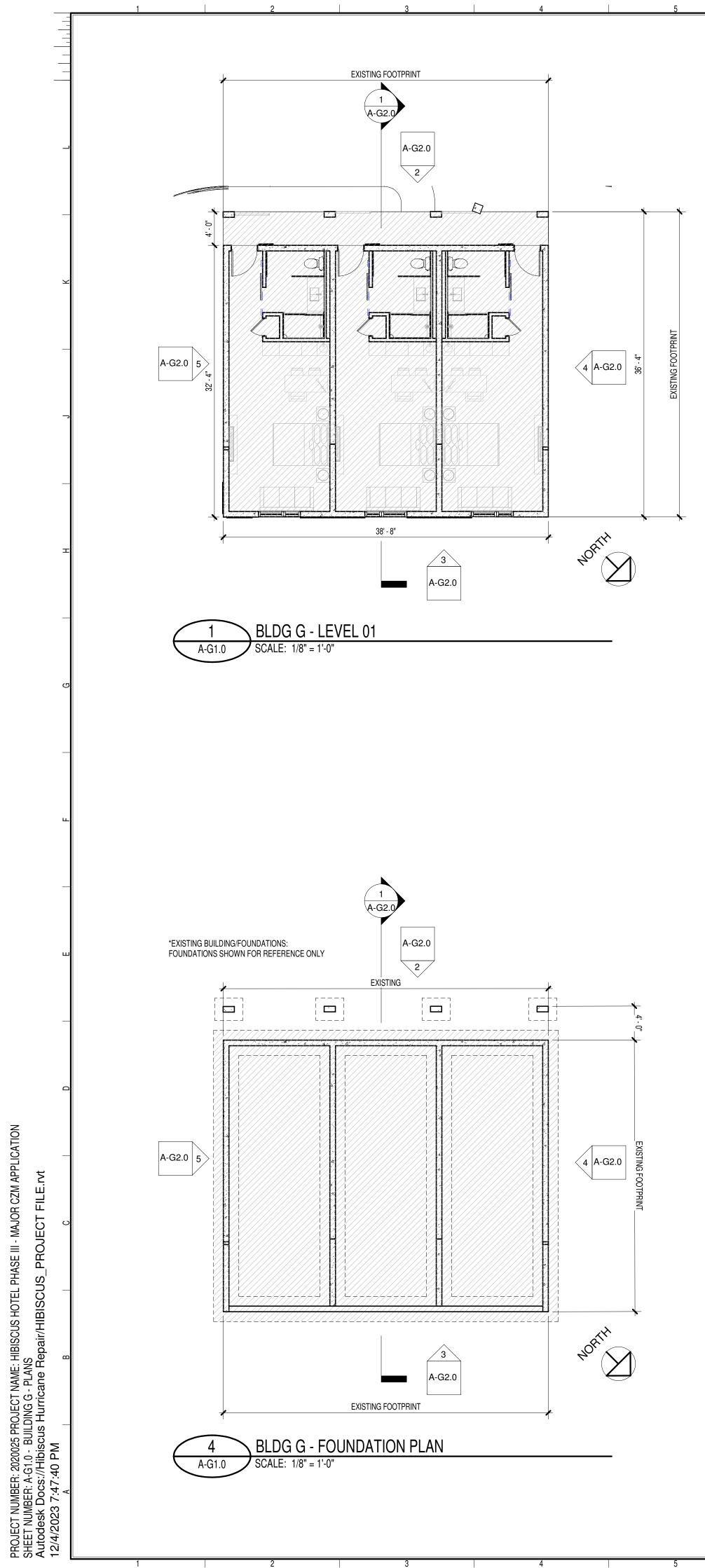


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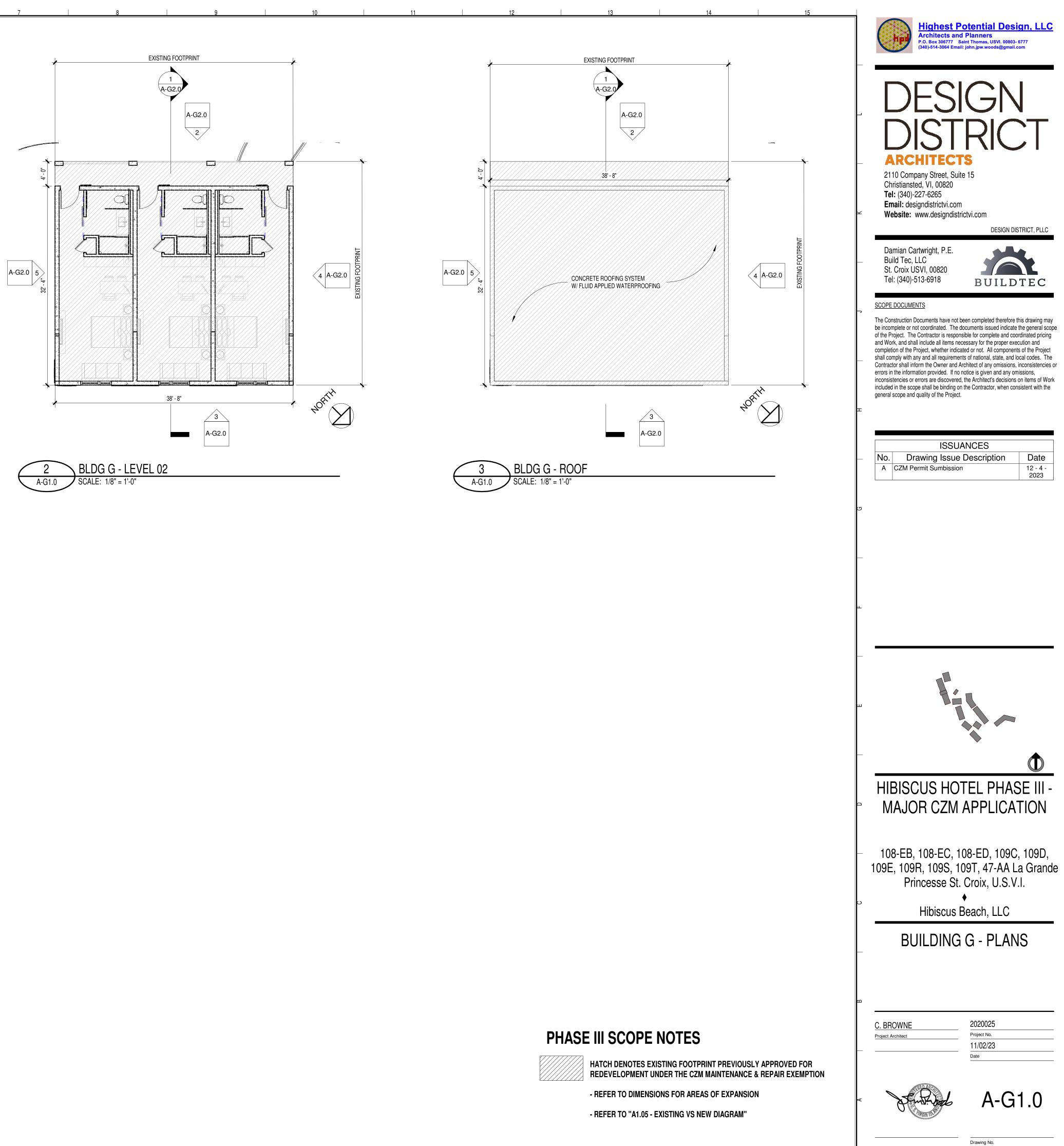
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	CONCR W/ FLUI BLDG CEMENTITIN TYP. EXTER GUARDRAIL BLDG F WINDOW, T	L <u>- LEVEL 2</u> 14' - 4"		Architects and PS. 003 309777 Sa Red)-343 4964 Emails CARCENITER ARCENITE	Image: USU 00001-0775 Image: USU 00001-0775 <td< td=""></td<>
	LOOR ELEVATIONS NOTE: O CIVIL DRAWINGS FOR ALL FI	NISH FLOOR ELEVATIONS	۲ -	John Roberto	Date A-F2.0 Drawing No.

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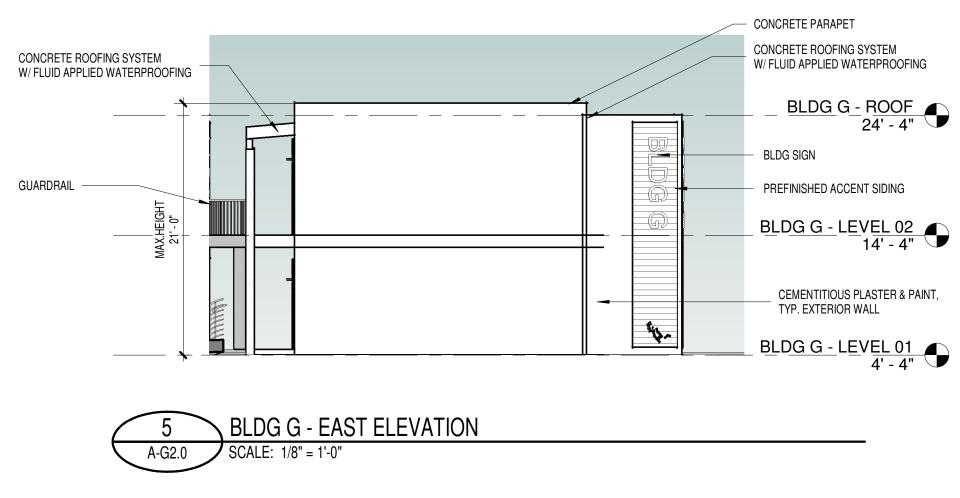


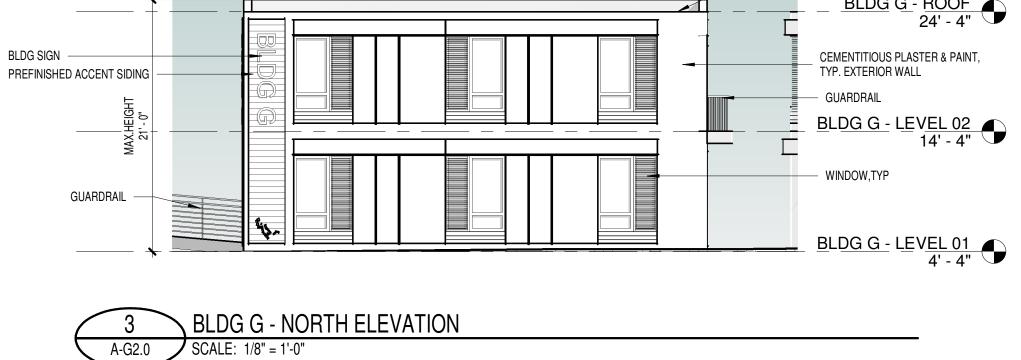
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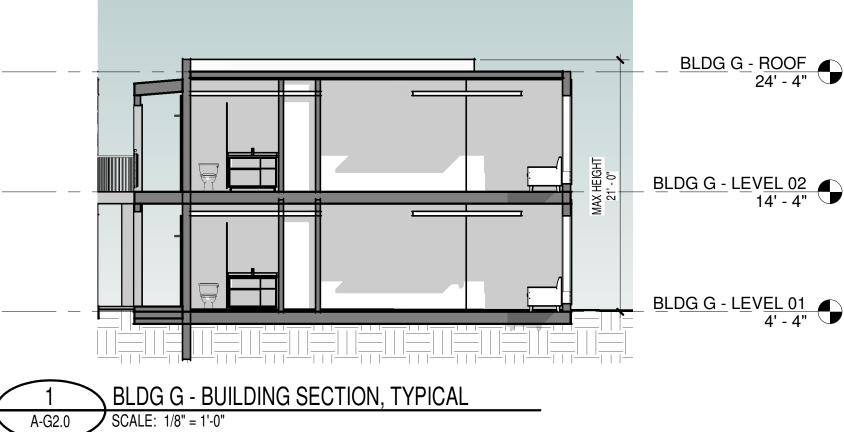


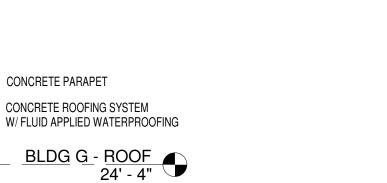
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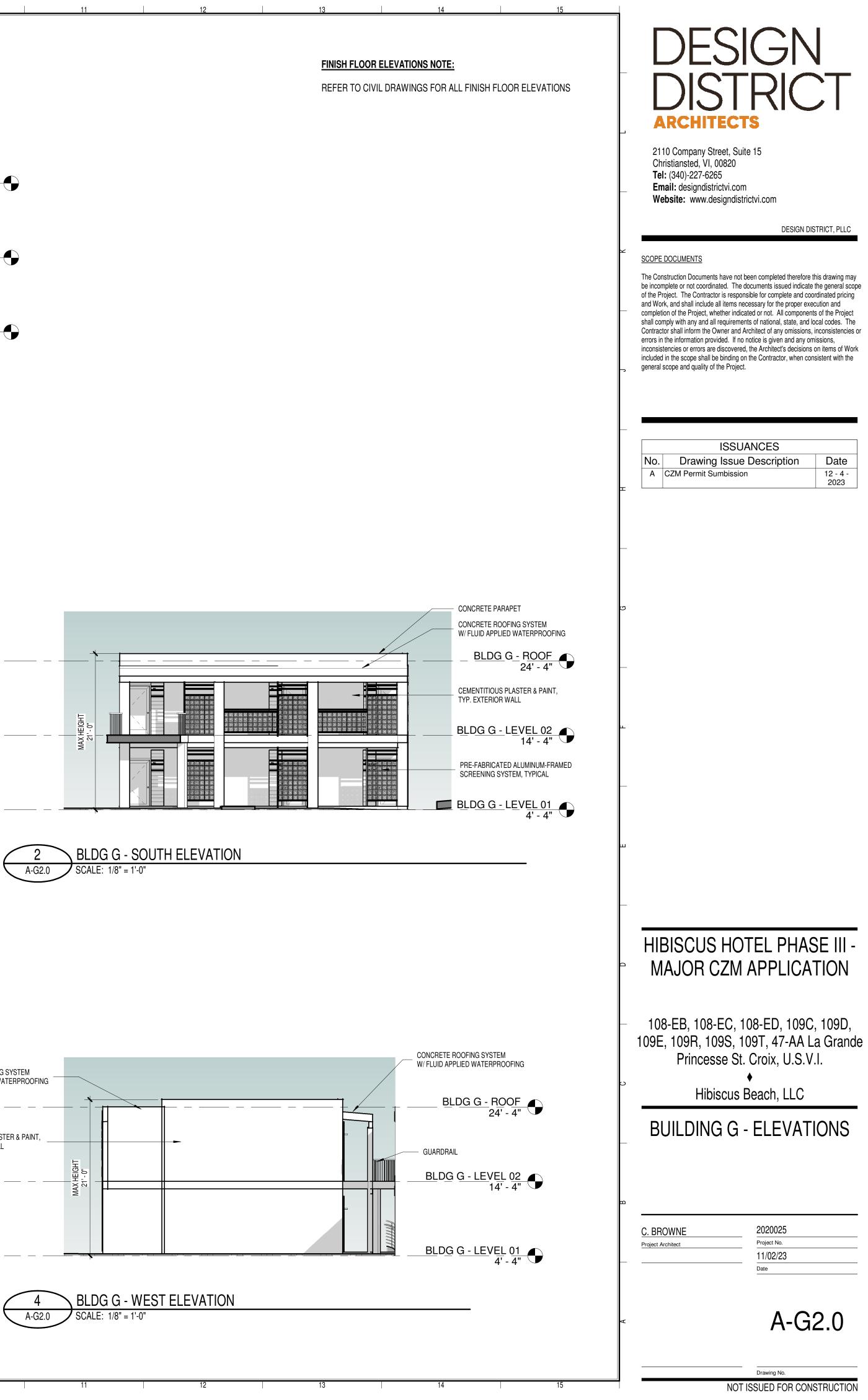
<u>BLDG G - LEVEL 01</u> 4' - 4"

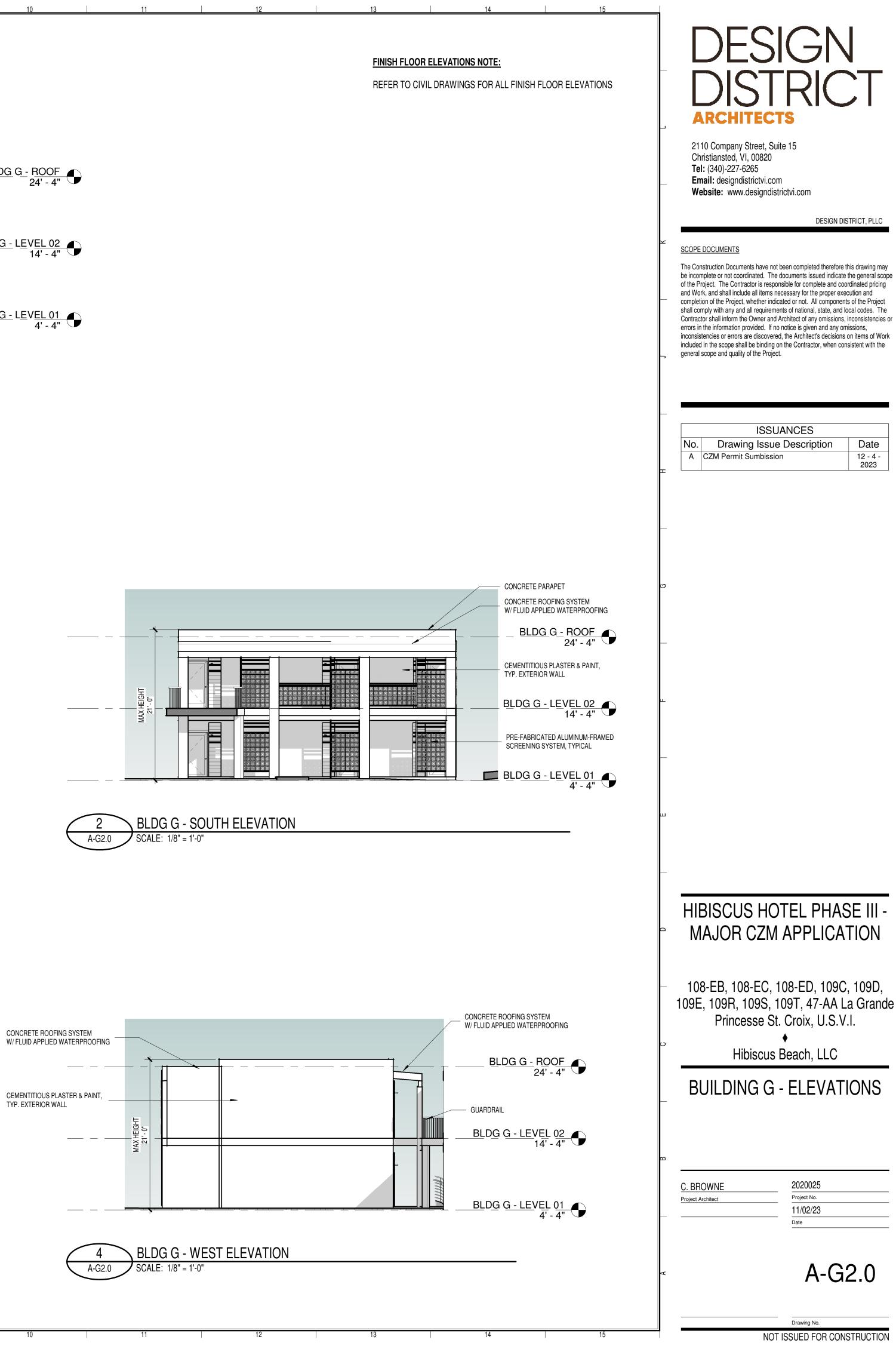


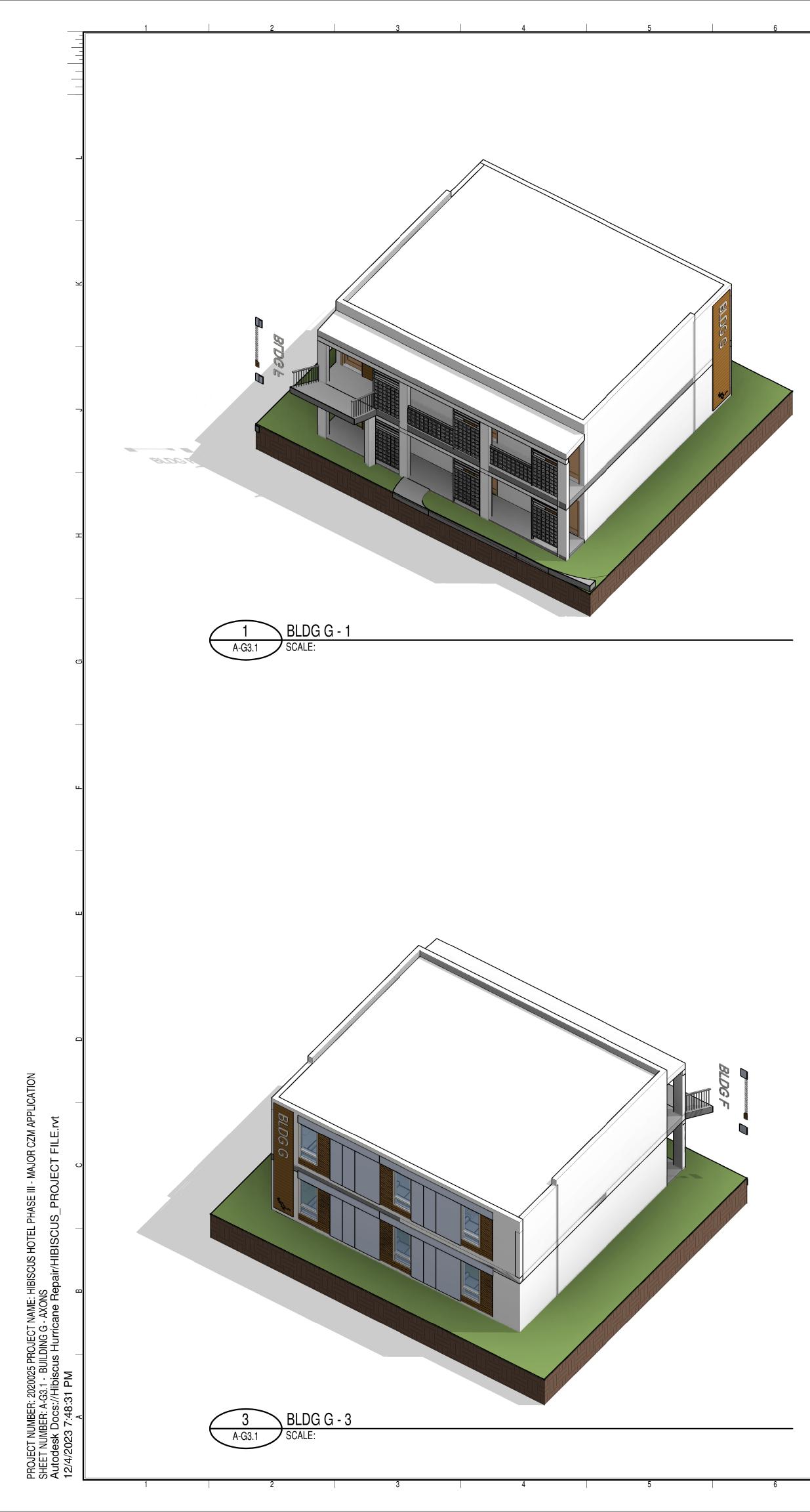


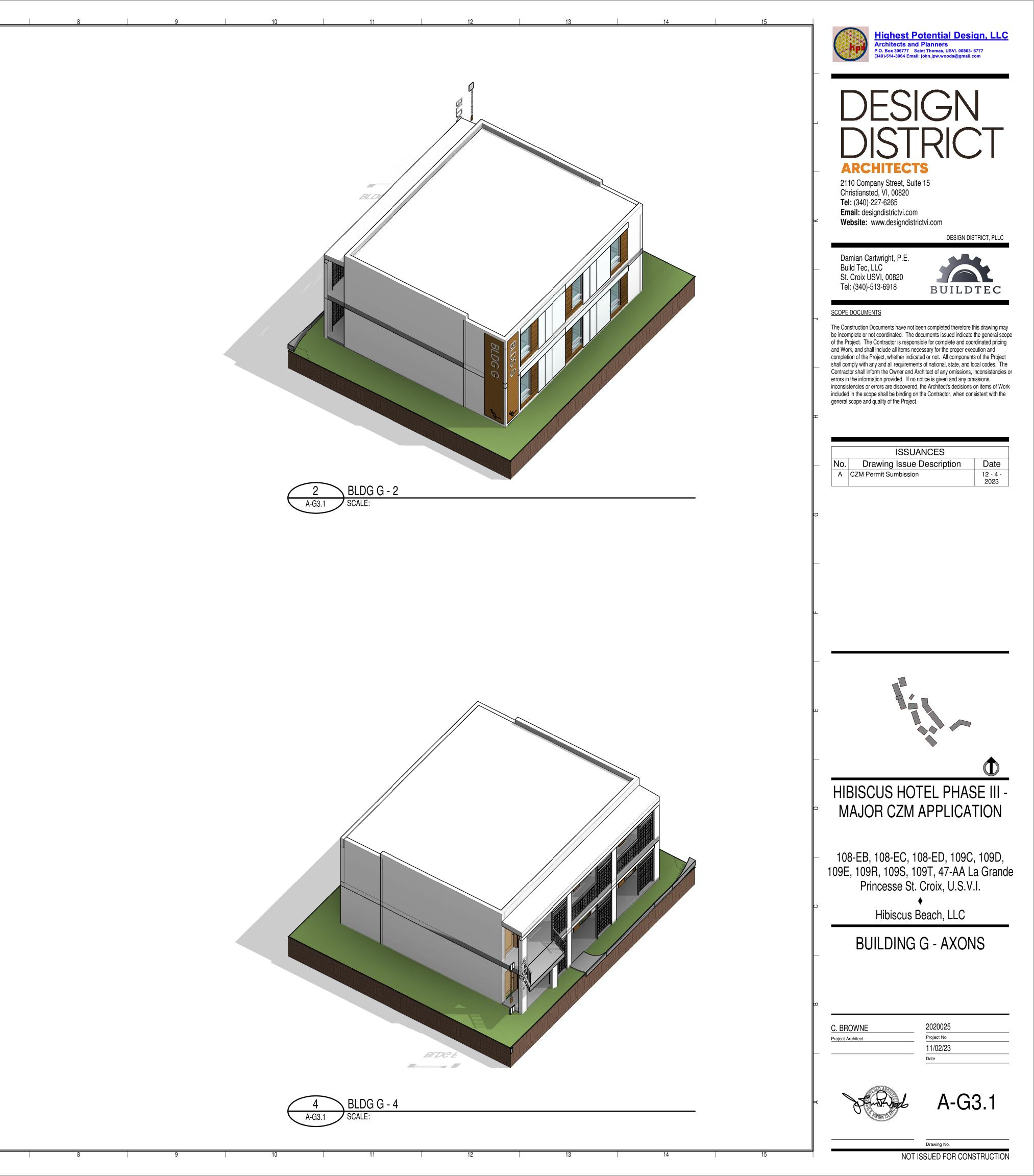


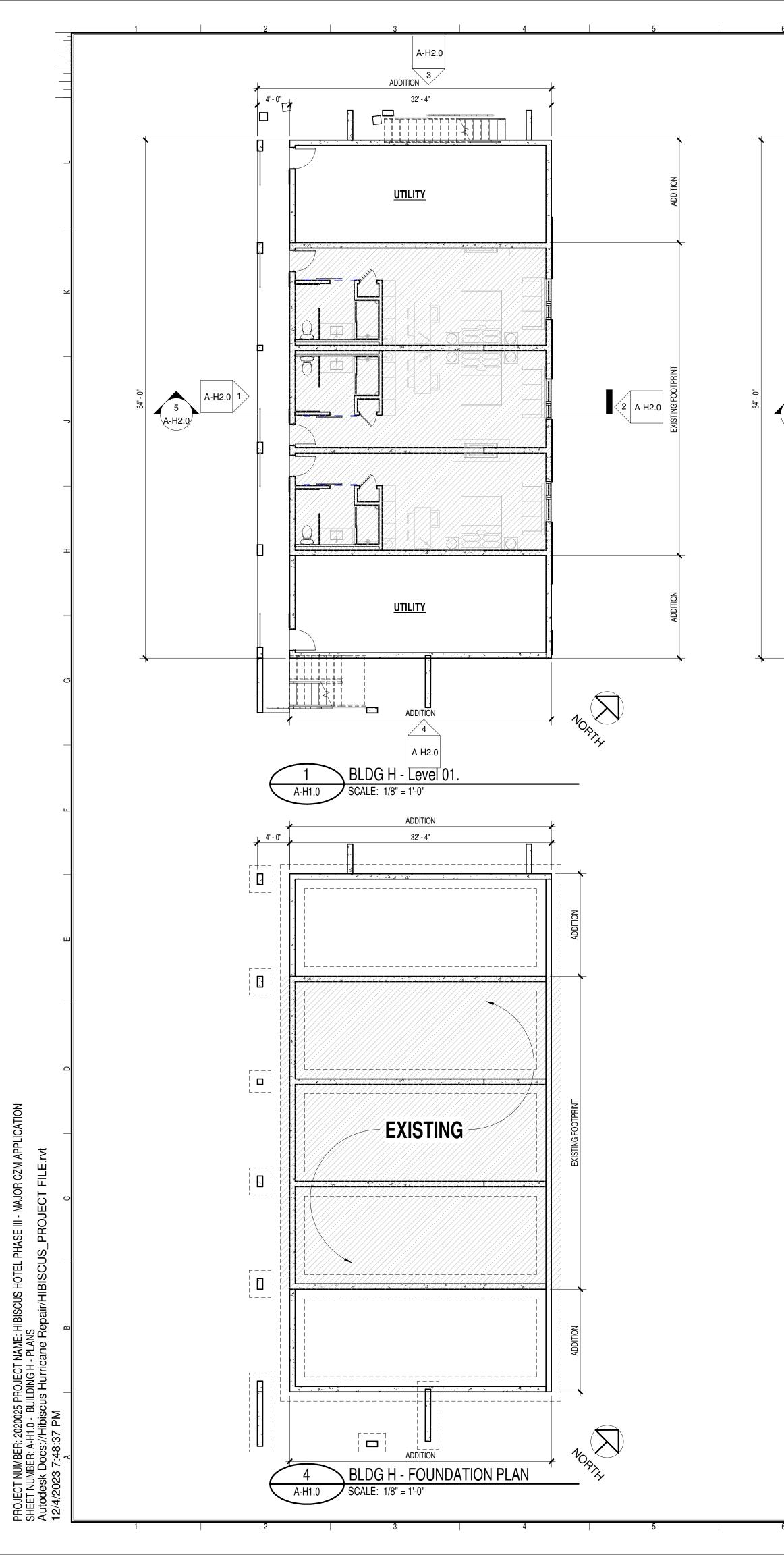
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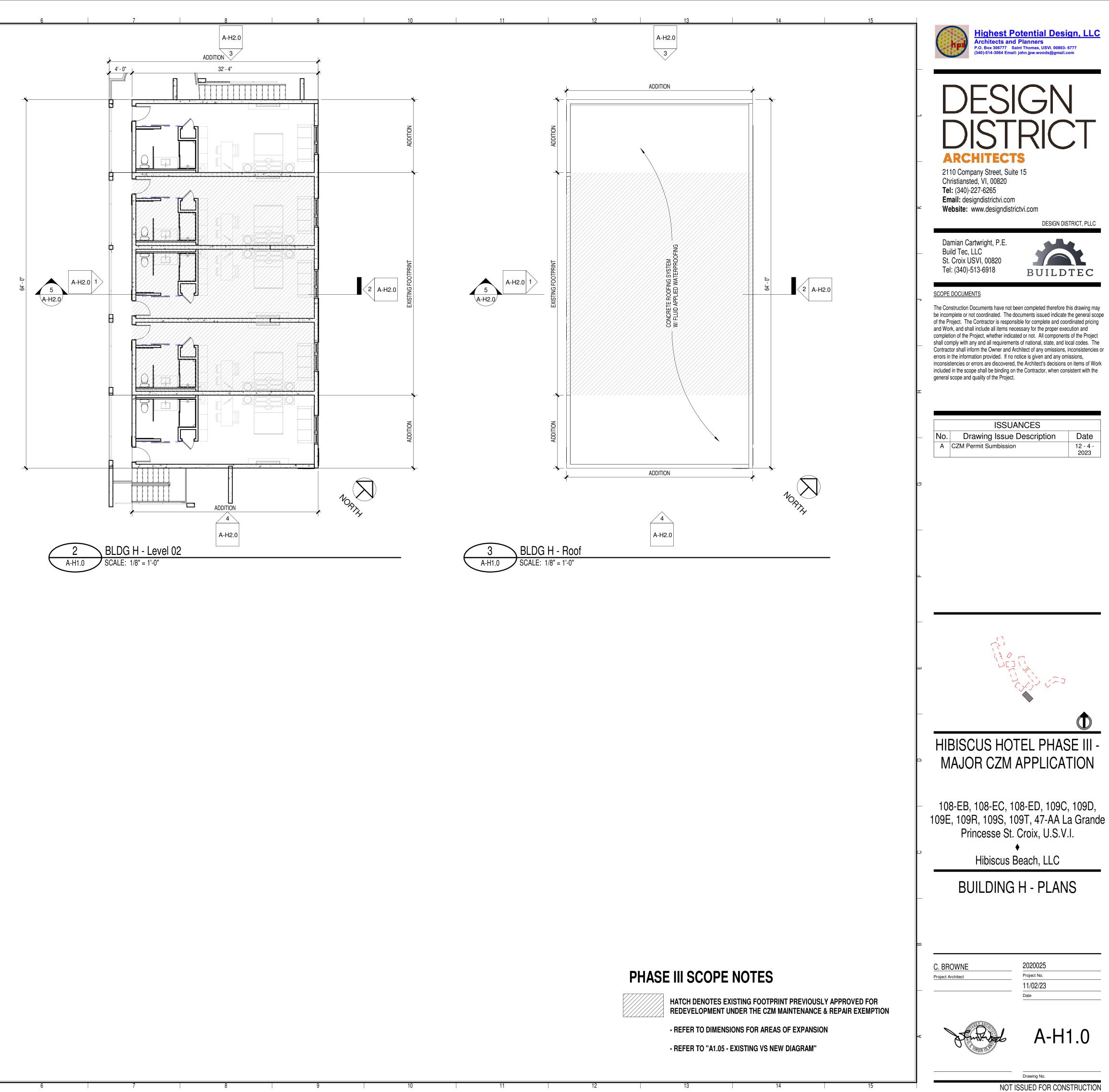


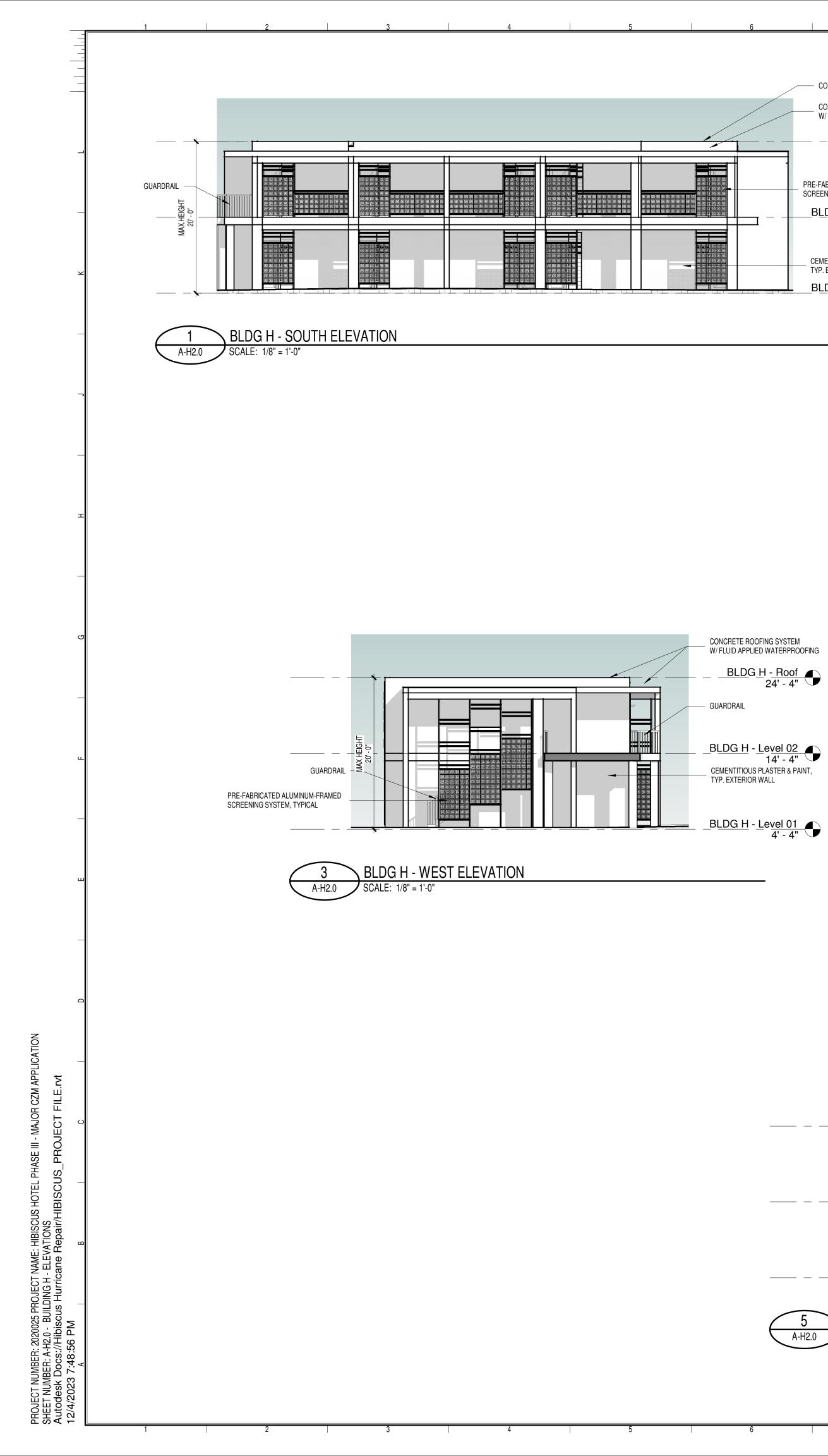


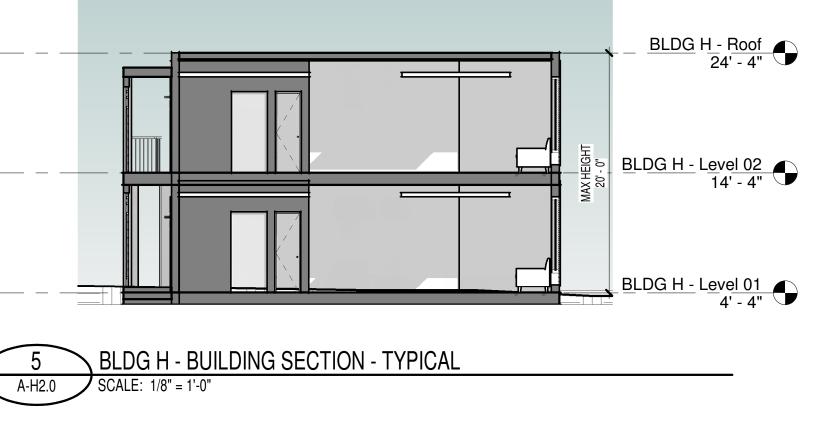


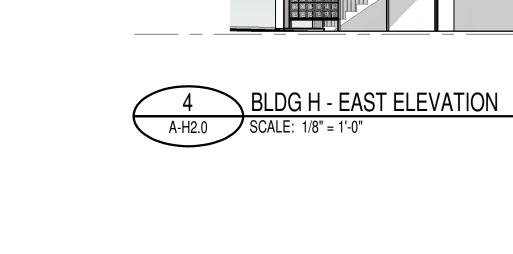


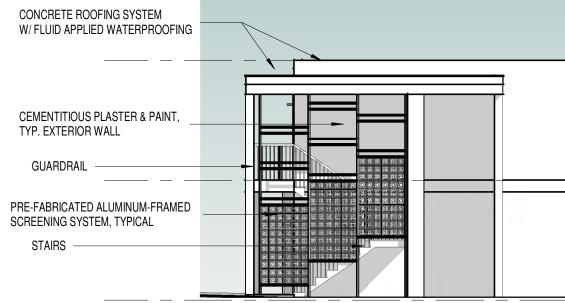


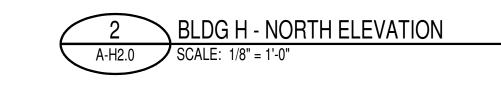


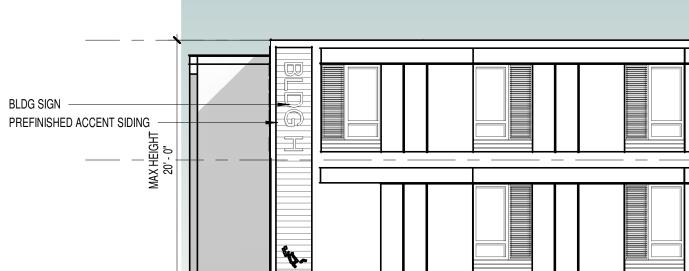












BLDG H - Level 02 14' - 4" CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL BLDG H - Level 01 4' - 4"

PRE-FABRICATED ALUMINUM-FRAMED SCREENING SYSTEM, TYPICAL

CONCRETE ROOFING SYSTEM W/FLUID APPLIED WATERPROOFING _____BLDG H - Roof ____24' - 4"

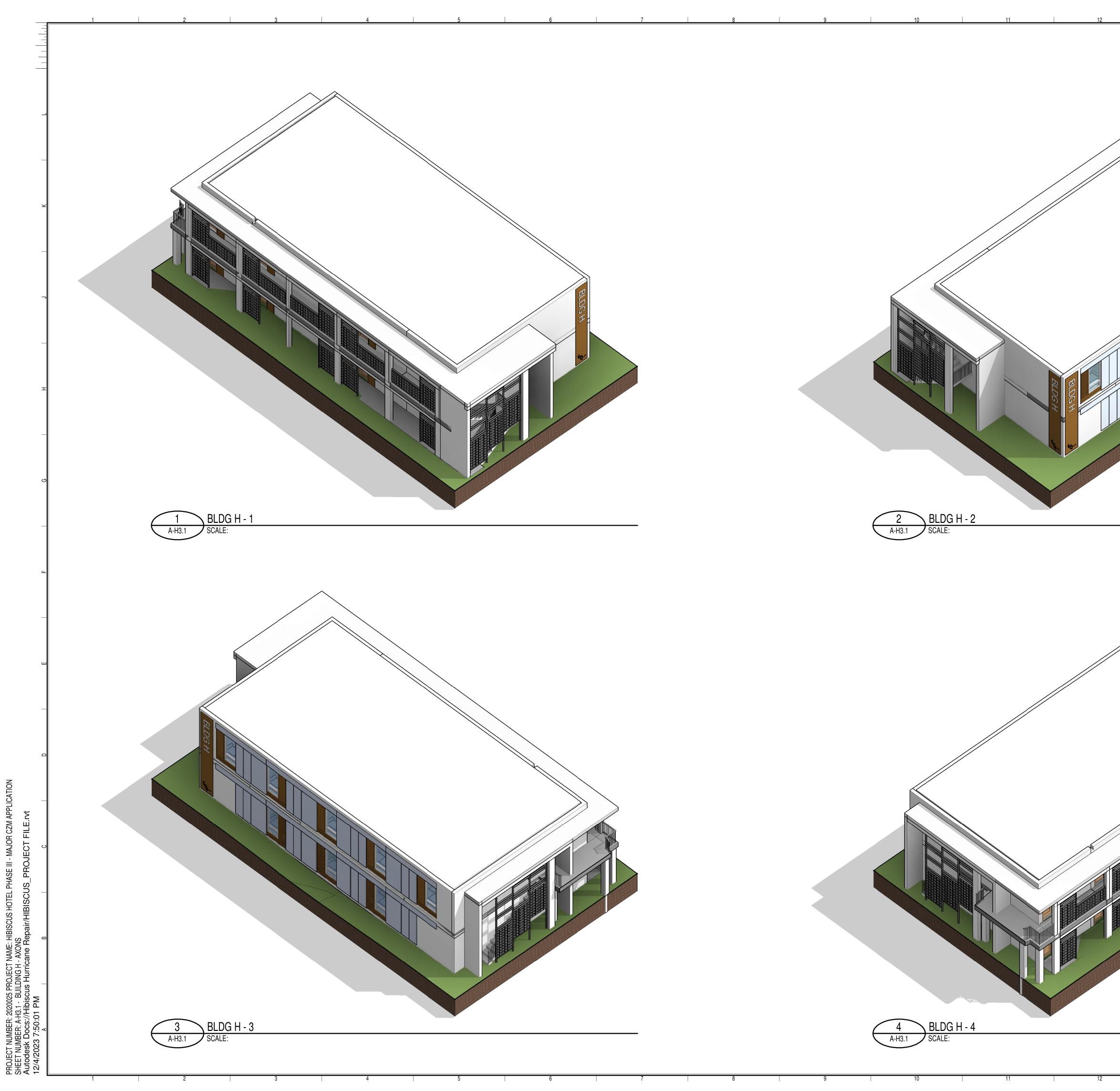
- CONCRETE PARAPET

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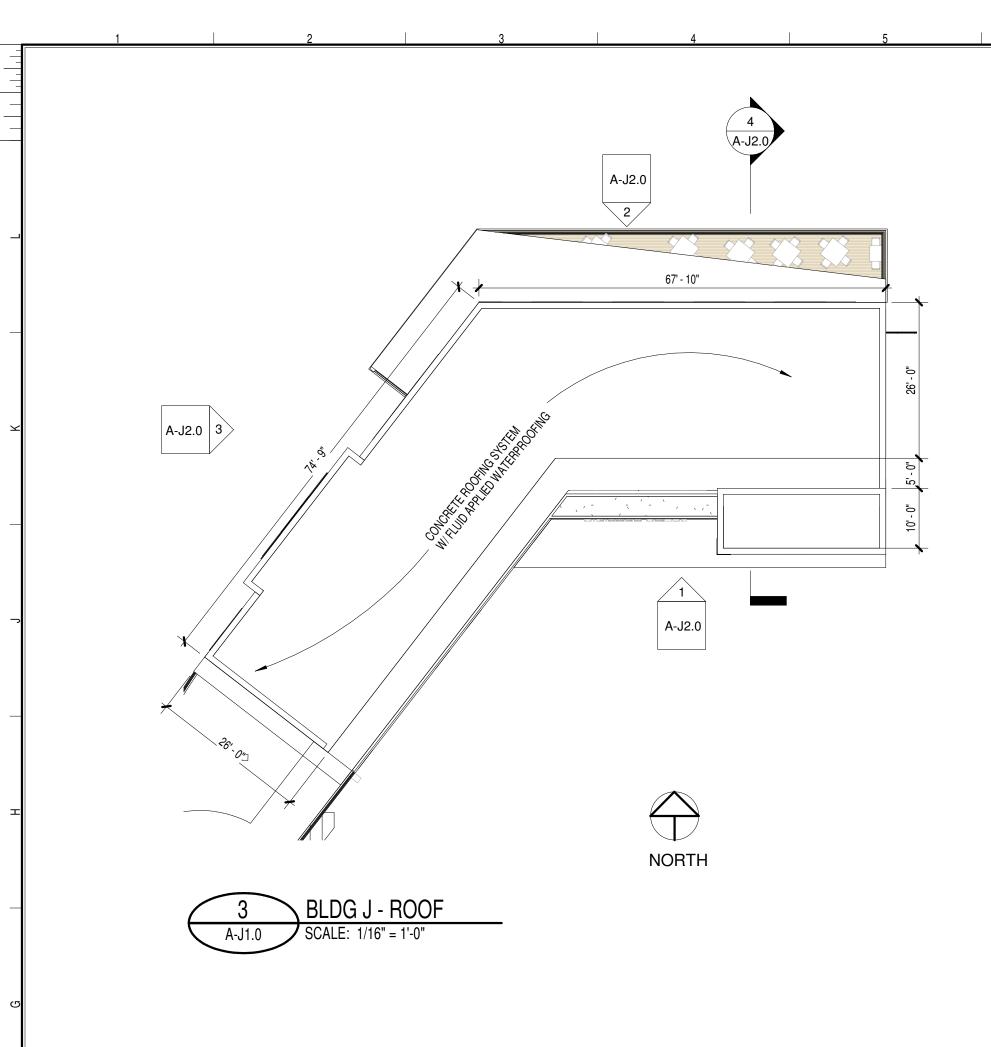
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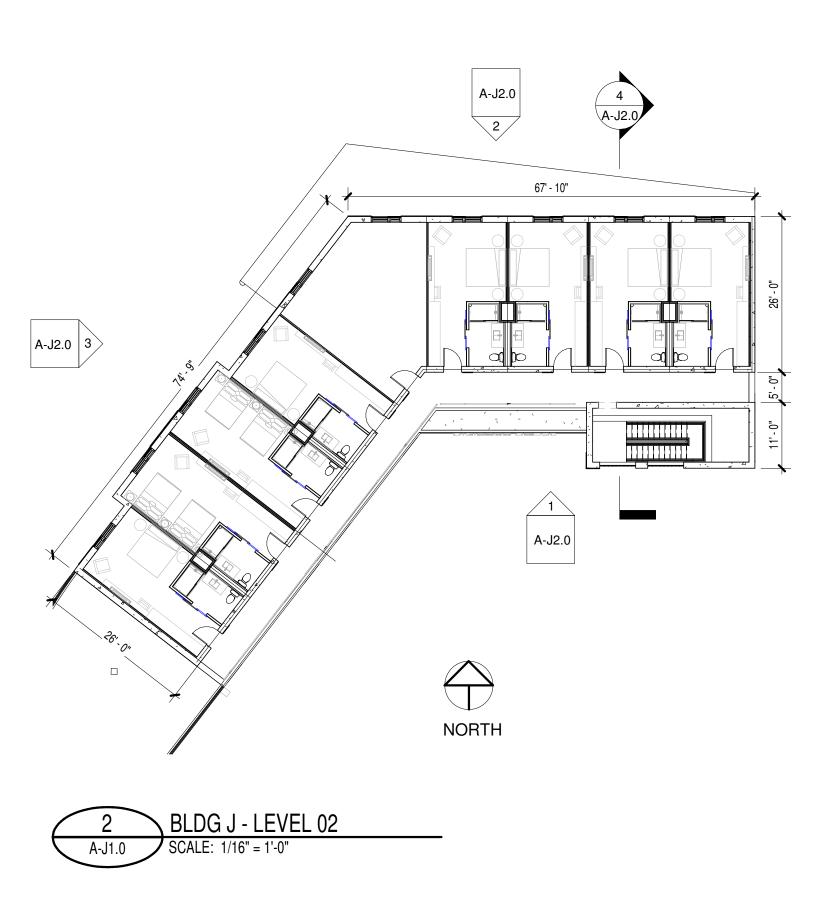
13		14	15			
					Architects an	Potential Design, LLC d Planners Saint Thomas, USVI. 00803- 6777 ill: john.jpw.woods@gmail.com
			CONCRETE ROOFING SYSTEM W/FLUID APPLIED WATERPROOFING BLDG H - Roof 24' - 4" WINDOW,TYP BLDG H - Level 02 14' - 4" CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL BLDG H - Level 01 4' - 4"	- -	DES DIST DIST ARCHITEC 2110 Company Street, Sui Christiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com Website: www.designdist	RICT s te 15
					SCOPE DOCUMENTS The Construction Documents have not be incomplete or not coordinated. The of the Project. The Contractor is respon and Work, and shall include all items ne completion of the Project, whether indic shall comply with any and all requireme Contractor shall inform the Owner and a errors in the information provided. If no inconsistencies or errors are discovered included in the scope shall be binding o general scope and quality of the Project	been completed therefore this drawing may documents issued indicate the general scope nsible for complete and coordinated pricing ecessary for the proper execution and sated or not. All components of the Project ints of national, state, and local codes. The Architect of any omissions, inconsistencies or notice is given and any omissions, d, the Architect's decisions on items of Work in the Contractor, when consistent with the t. ANCES Description Date
MA.HEGHT	<u>BLDG H - Roof</u> 24' - 4' BLDG SIGN PREFINISHED ACCENT SIDI <u>BLDG H - Level 02</u> 14' - 4' <u>BLDG H - Level 01</u> 4' - 4'	NG		сэ — — —		
				<u>م</u>	MAJOR CZM 108-EB, 108-EC, 1 09E, 109R, 109S, 1	TEL PHASE III - APPLICATION 08-ED, 109C, 109D, 09T, 47-AA La Grande . Croix, U.S.V.I.
					Hibiscus	 Beach, LLC ELEVATIONS 2020025 Project No. 11/02/23
13	FINISH FLOOR ELEV REFER TO CIVIL DRA		L FINISH FLOOR ELEVATIONS	¥	NOT	Date A-H2.0 Drawing No.

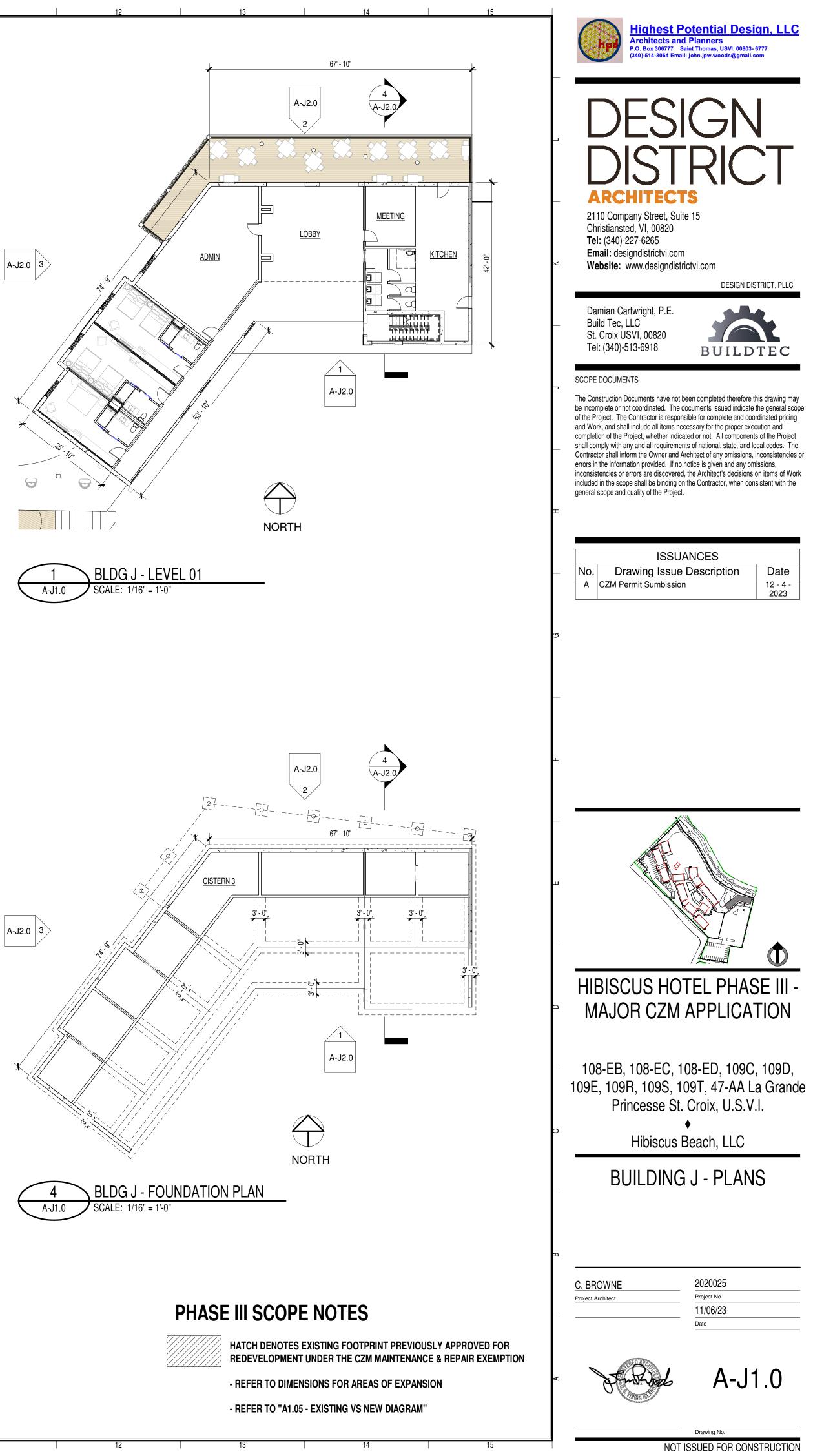


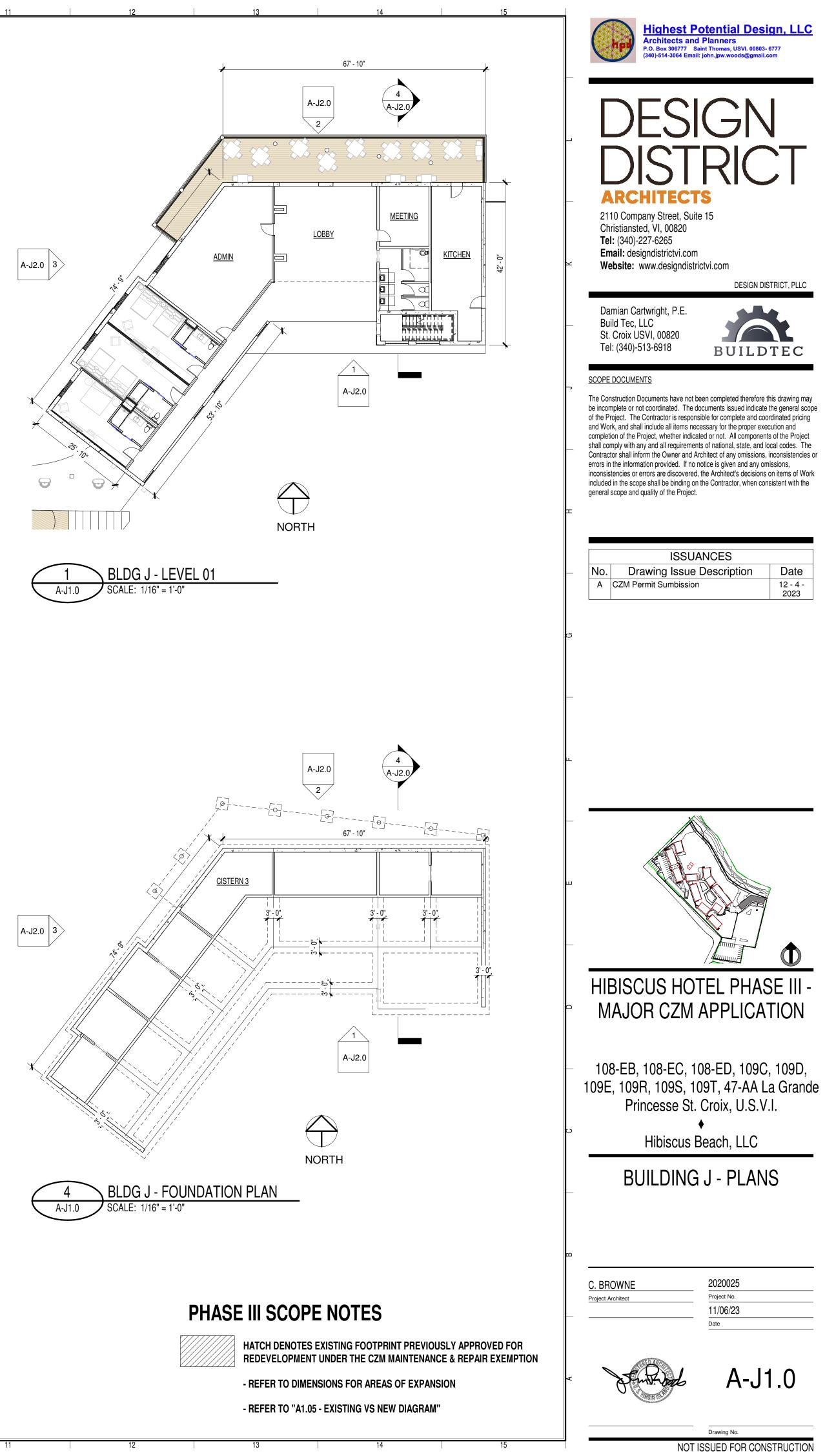
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		Highest Potential Design, LLC Architects and Planners P.O. Box 306777 Saint Thomas, USVI. 00803- 6777 (340)-514-3064 Email: john.jpw.woods@gmail.com
		DISTRICT ARCHITECTS 2110 Company Street, Suite 15 Christiansted, VI, 00820 Tel: (340)-227-6265 Email: designdistrictvi.com
		 Website: www.designdistrictvi.com Damian Cartwright, P.E. Build Tec, LLC St. Croix USVI, 00820 Tab (240) 540 0010
		SCOPE DOCUMENTS The Construction Documents have not been completed therefore this drawing may be incomplete or not coordinated. The documents issued indicate the general scope of the Project. The Contractor is responsible for complete and coordinated pricing and Work, and shall include all items necessary for the proper execution and completion of the Project, whether indicated or not. All components of the Project shall comply with any and all requirements of national, state, and local codes. The Contractor shall inform the Owner and Architect of any omissions, inconsistencies or
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		No. Drawing Issue Description Date A CZM Permit Sumbission 12 - 4 - 2023
		HIBISCUS HOTEL PHASE III - MAJOR CZM APPLICATION
		 108-EB, 108-EC, 108-ED, 109C, 109D, 109E, 109R, 109S, 109T, 47-AA La Grande Princesse St. Croix, U.S.V.I.
		Hibiscus Beach, LLC BUILDING H - AXONS
		C. BROWNE 2020025 Project Architect Project No. 11/02/23 Date
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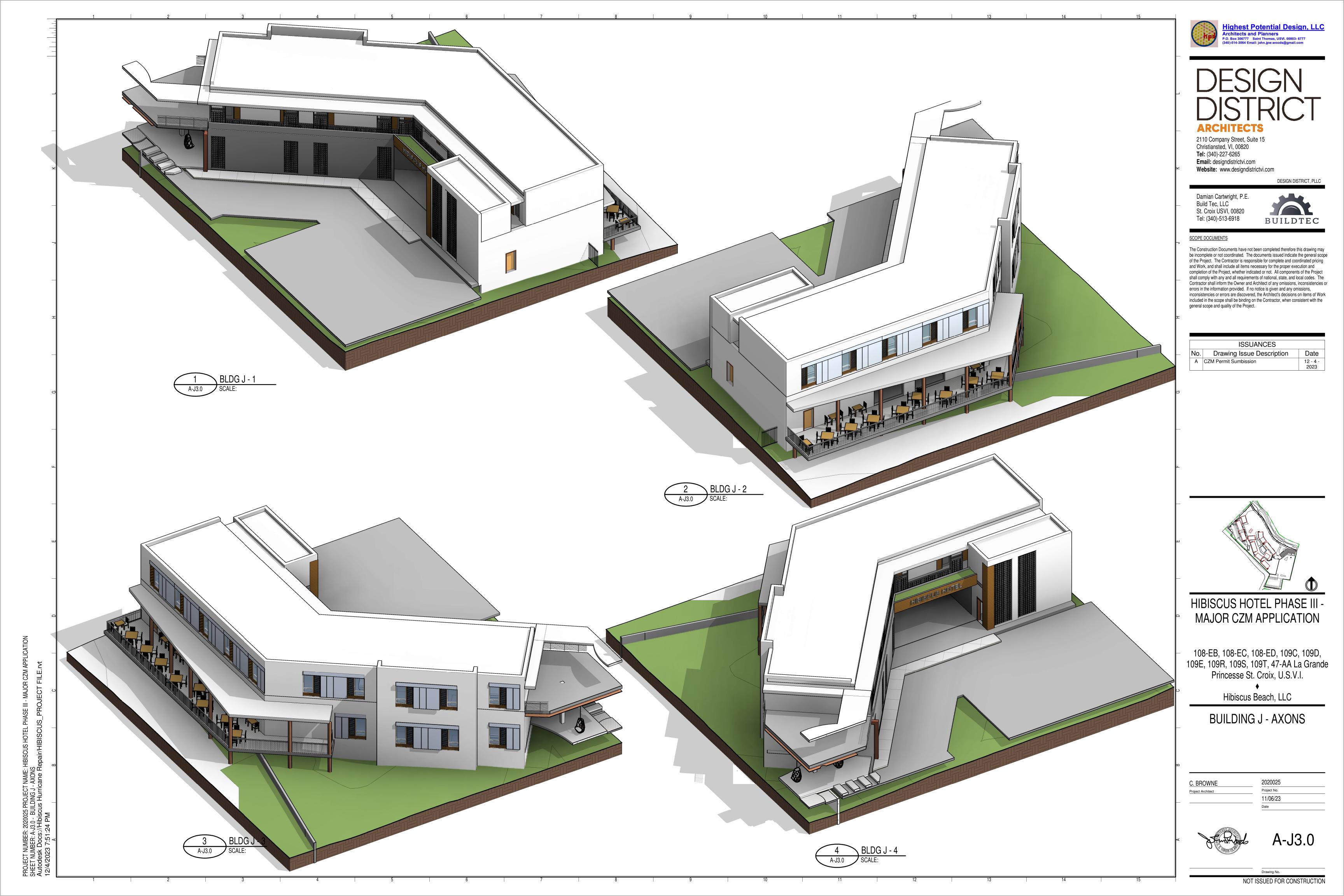


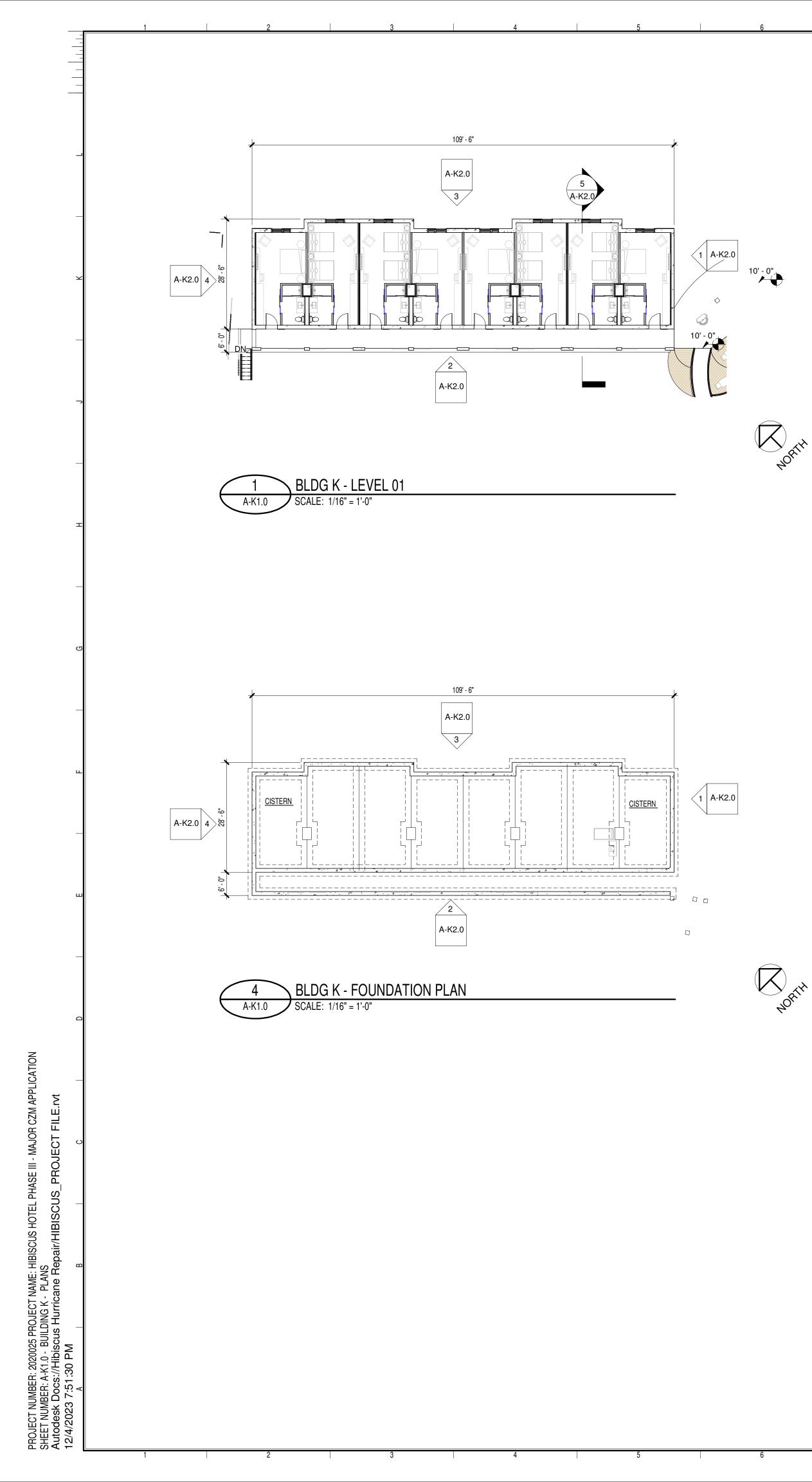


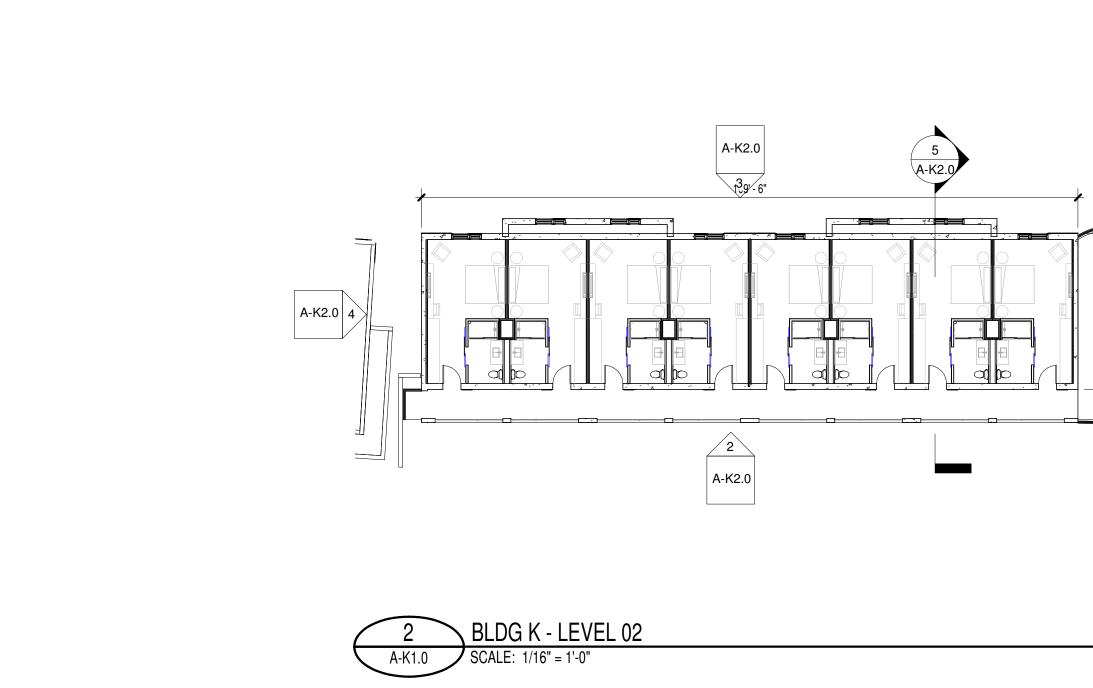


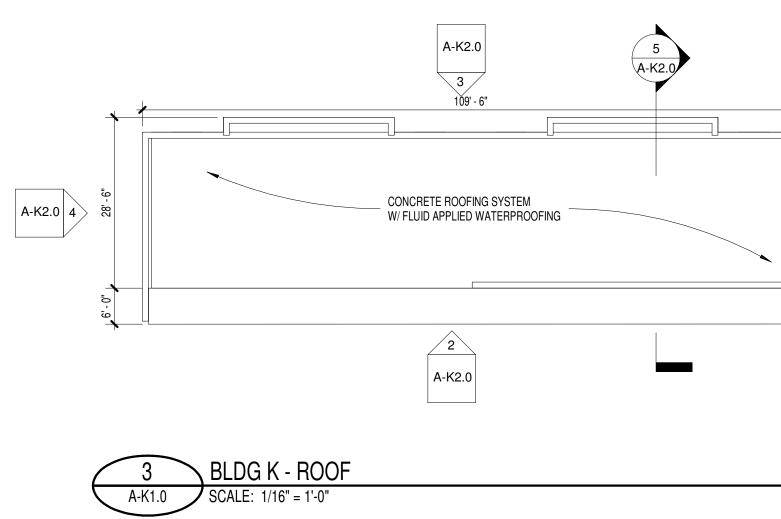






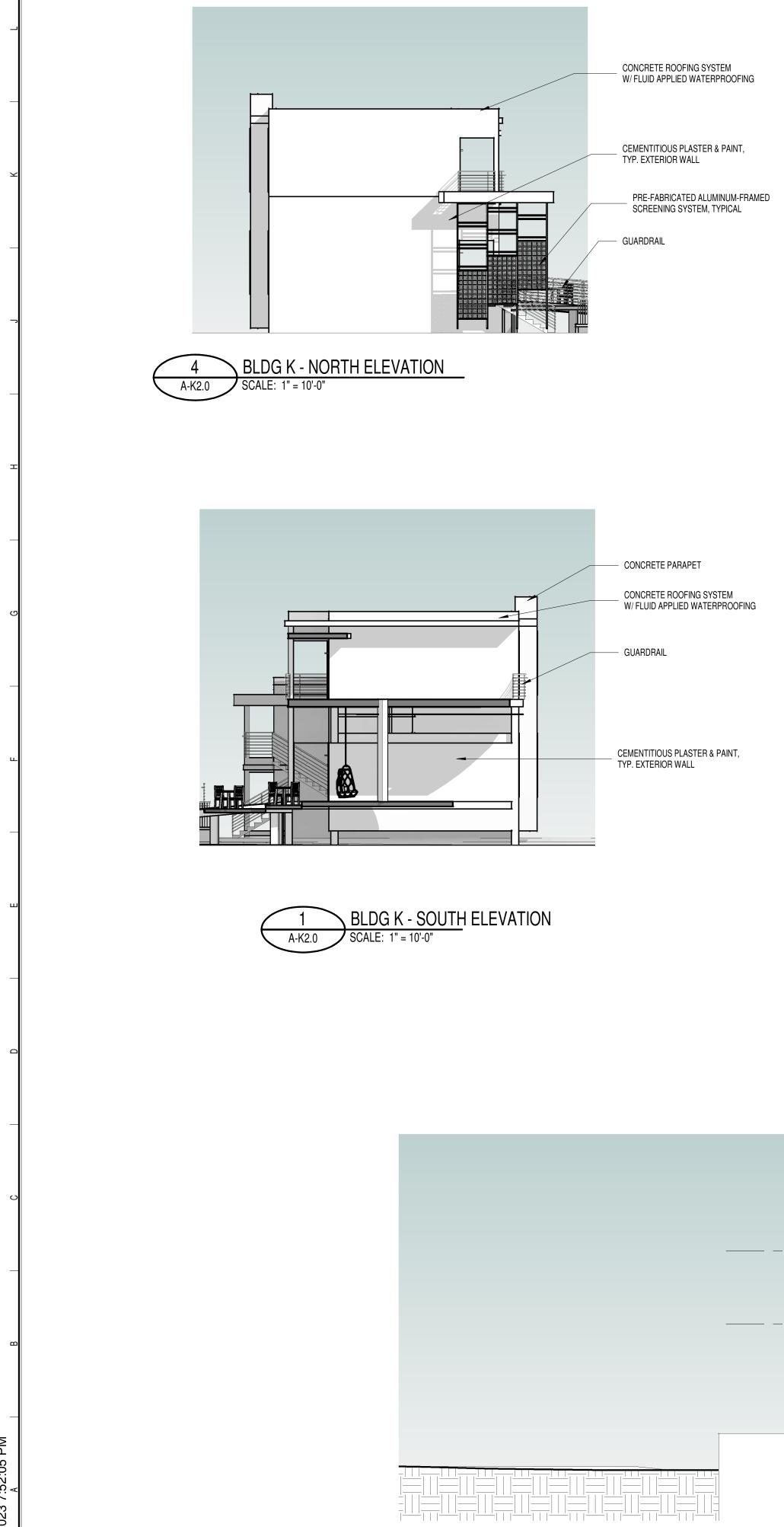






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	Drawing No.
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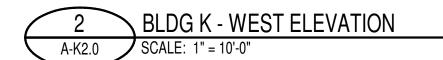


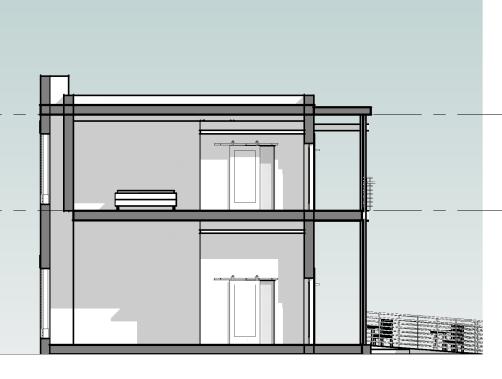
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N BLDG K - EAST ELEVATION. 3 SCALE: 1" = 10'-0" A-K2.0











ADMIN BLDG -<u>Level 02</u> 24' - 0"

			-	
	MAX.HEIGHT	32' - 0"		

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 CONCRETE ROOFING SYSTEM W/ FLUID APPLIED WATERPROOFING
GUARDRAII

CEMENTITIOUS PLASTER & PAINT, TYP. EXTERIOR WALL WINDOW, TYP

CONCRETE PARAPET

CONCRETE ROOFING SYSTEM W/ FLUID APPLIED WATERPROOFING

PREFINISHED ACCENT SIDING

PRE-FABRICATED ALUMINUM-FRAMED SCREENING SYSTEM, TYPICAL

CEMENTITIOUS PLASTER & PAINT,

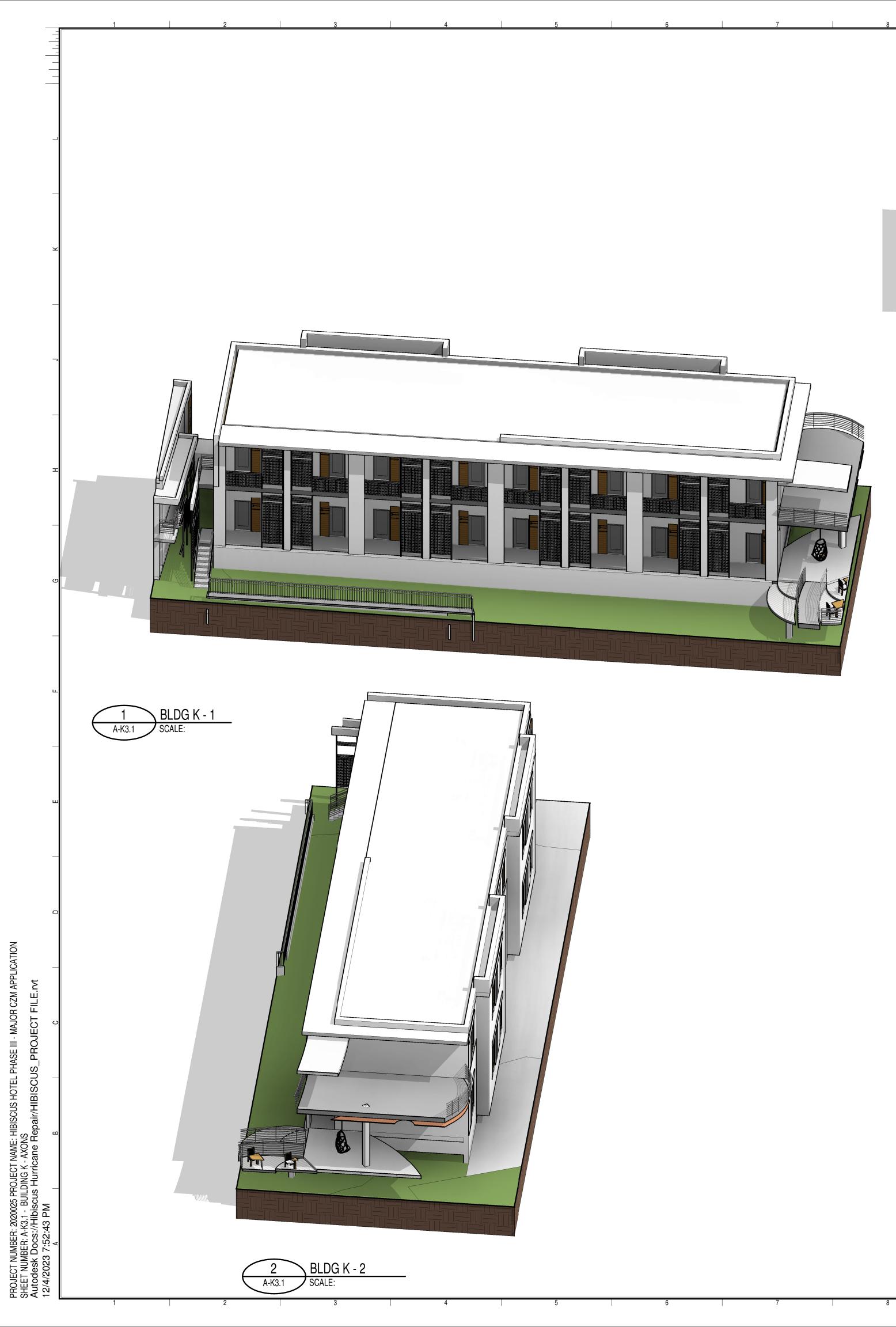
TYP. EXTERIOR WALL

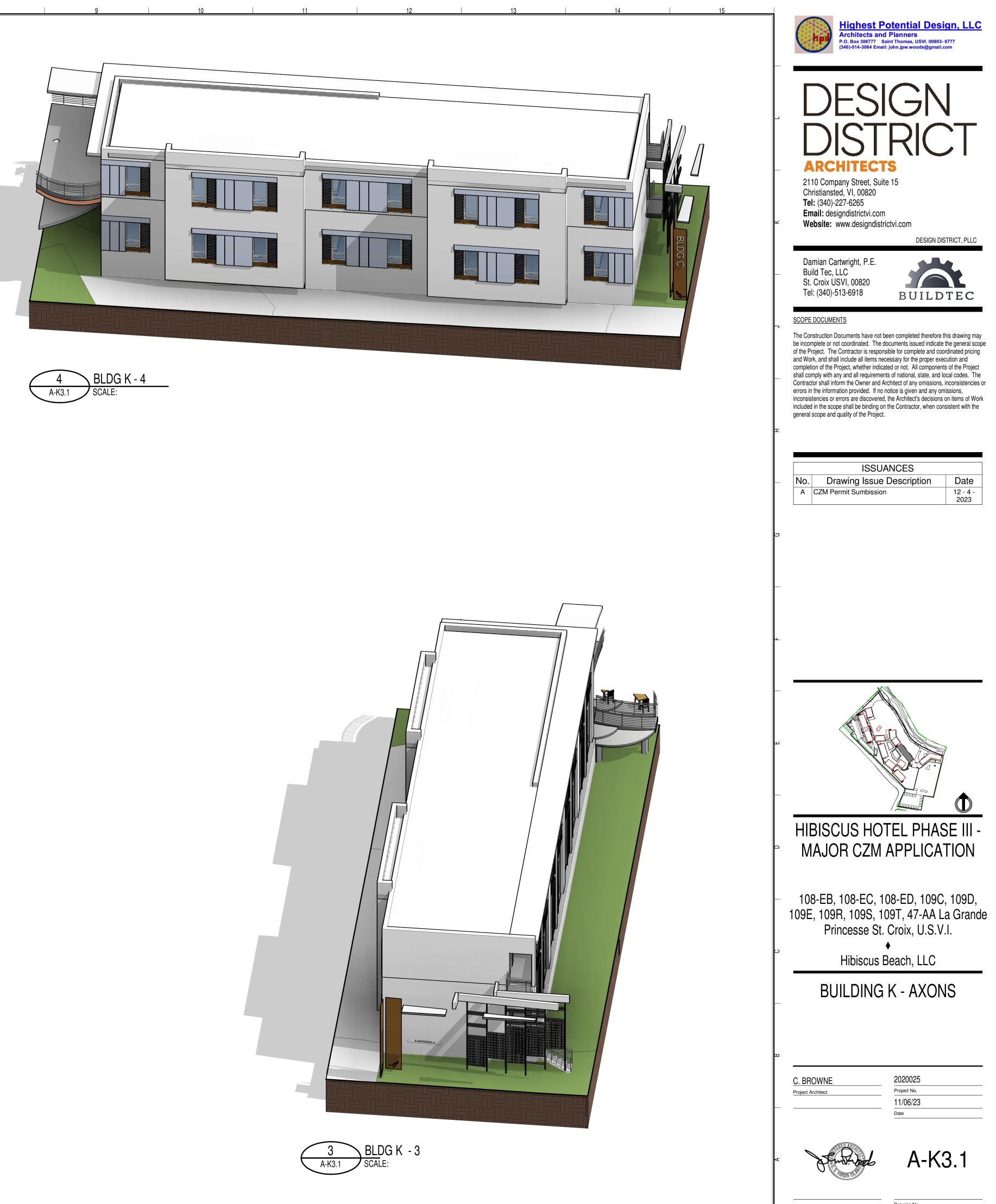
FINISH FLOOR ELEVATIONS NOTE:

REFER TO CIVIL DRAWINGS FOR ALL FINISH FLOOR ELEVATIONS

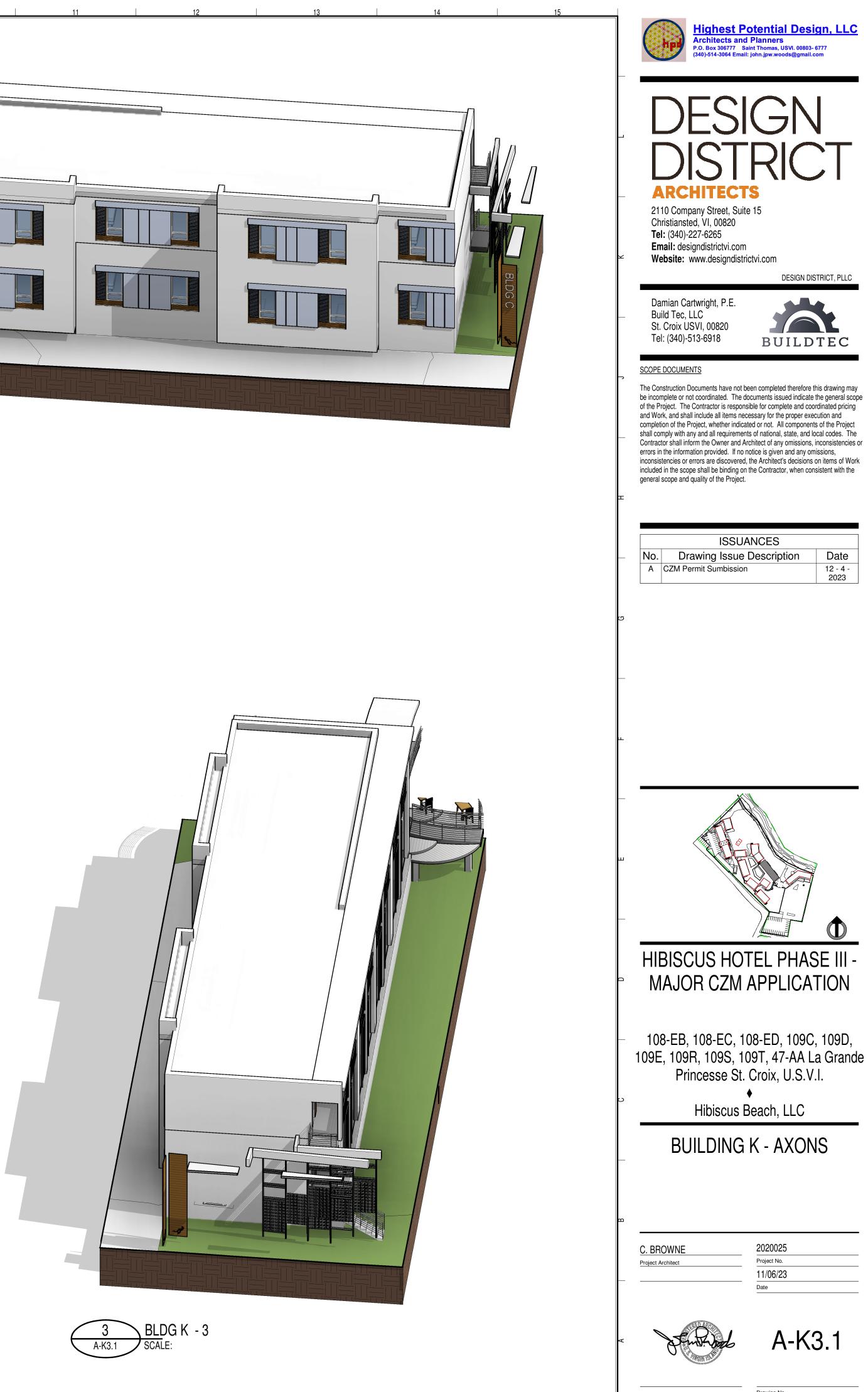
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	ESI IST		
Christians Tel: (340) Email: de	HITECT pany Street, Suite ted, VI, 00820 -227-6265 signdistrictvi.com www.designdistri	e 15	
		DESIGN DIS	TRICT, PLLC
– Build Tec,	JSVI, 00820	BUILD	TEC
SCOPE DOCUM	ENTS		
be incomplete or of the Project. Th and Work, and sh completion of the shall comply with Contractor shall in errors in the inform inconsistencies of included in the sc	not coordinated. The de le Contractor is respons all include all items nec Project, whether indica any and all requirement nform the Owner and An mation provided. If no r r errors are discovered,	een completed therefore th bouments issued indicate t sible for complete and coor essary for the proper exect ted or not. All components ts of national, state, and lo rchitect of any omissions, i notice is given and any omi the Architect's decisions of the Contractor, when cons	he general scope dinated pricing ution and of the Project cal codes. The nconsistencies or ssions, on items of Work
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	Permit Sumbission	•	12 - 4 - 2023
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109E, 109	R, 109S, 10	08-ED, 109C, 09T, 47-AA La Croix, U.S.V. ♦	a Grande
)	Hibiscus E	each, LLC	
BUIL	DING K -	ELEVATI	ONS
C. BROWNE		2020025 Project No. 11/06/23 Date	
J.	MER	A-K2	2.0
		Drawing No.	

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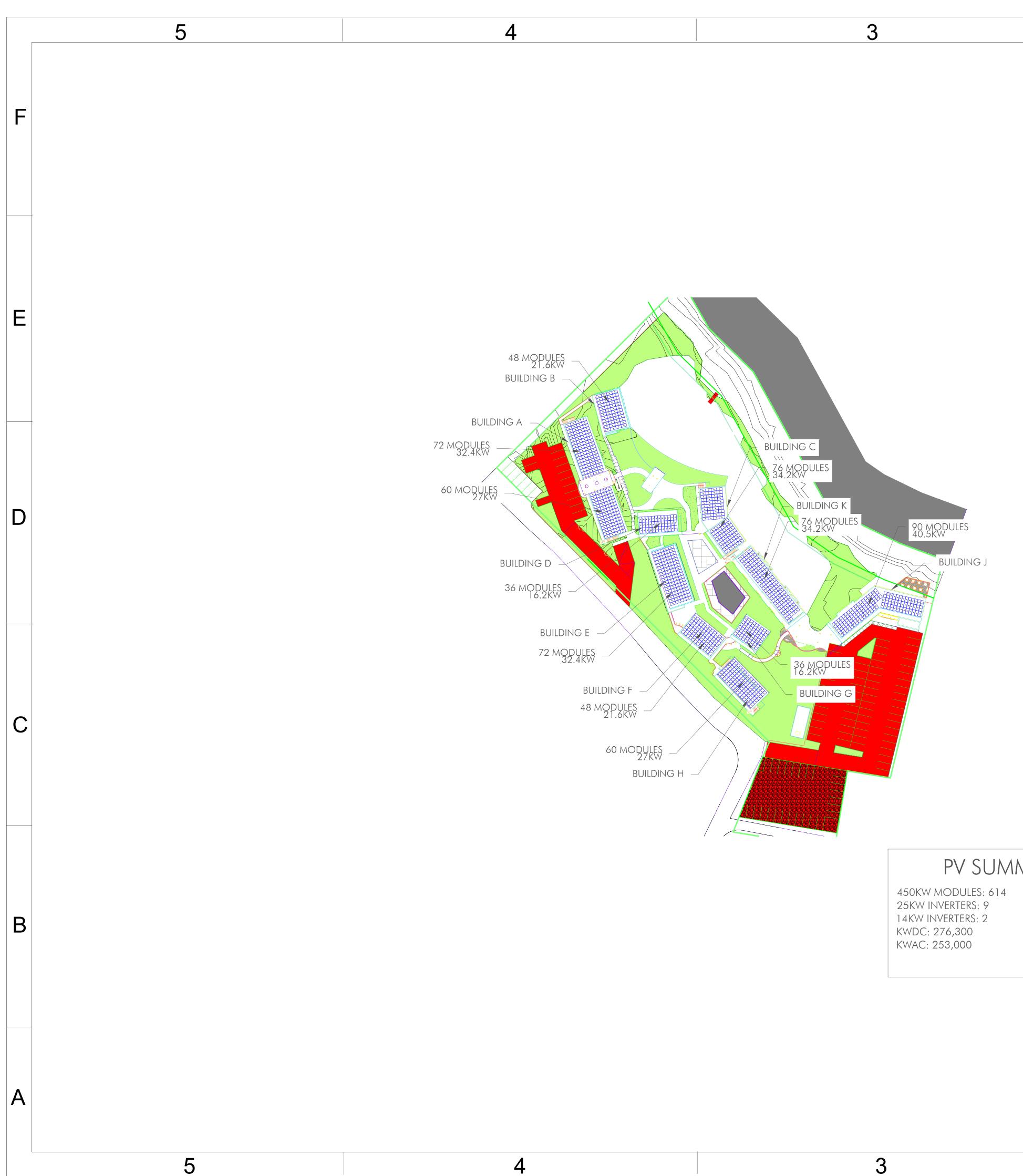








Drawing No. NOT ISSUED FOR CONSTRUCTION



PV SUMMARY

