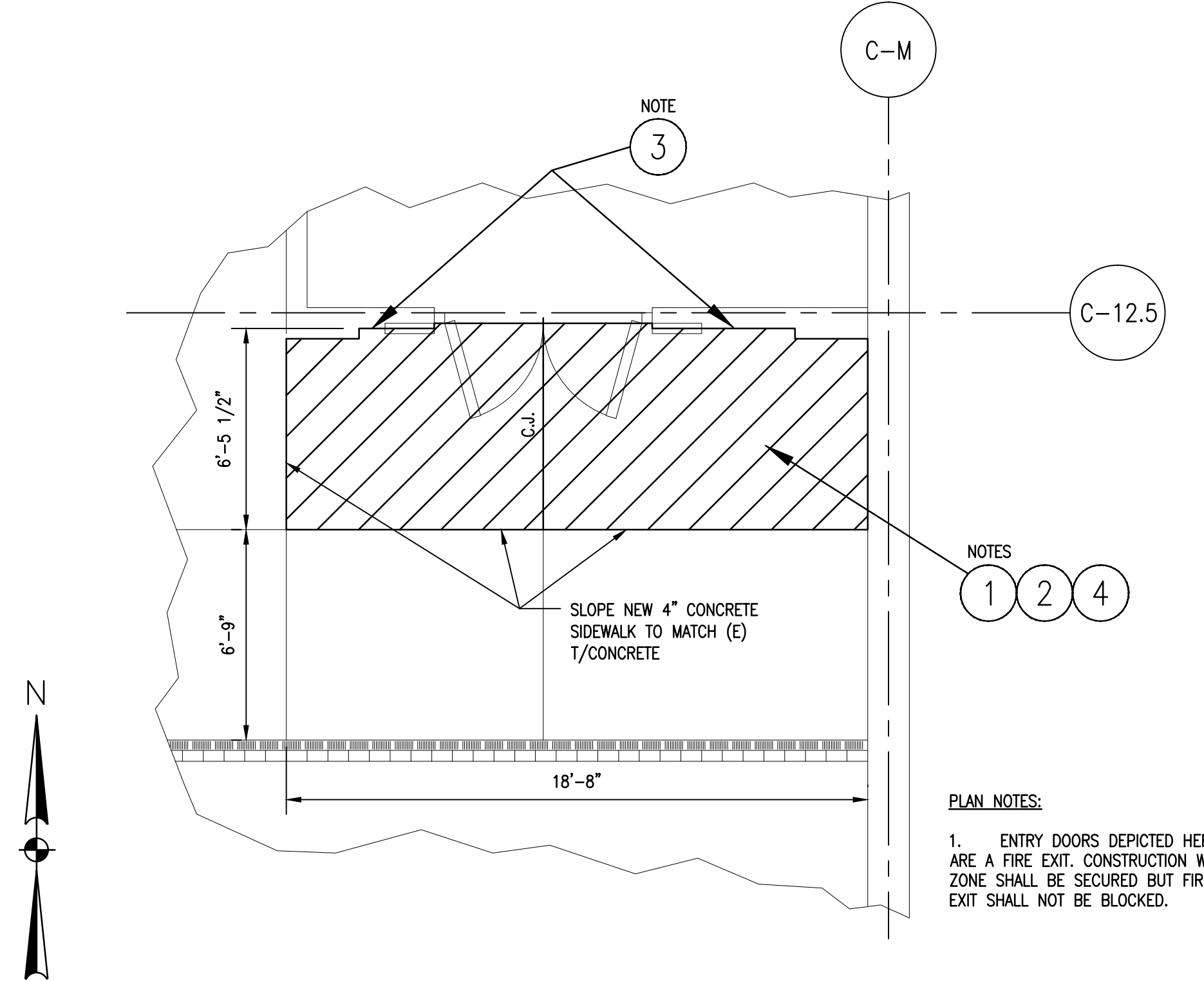
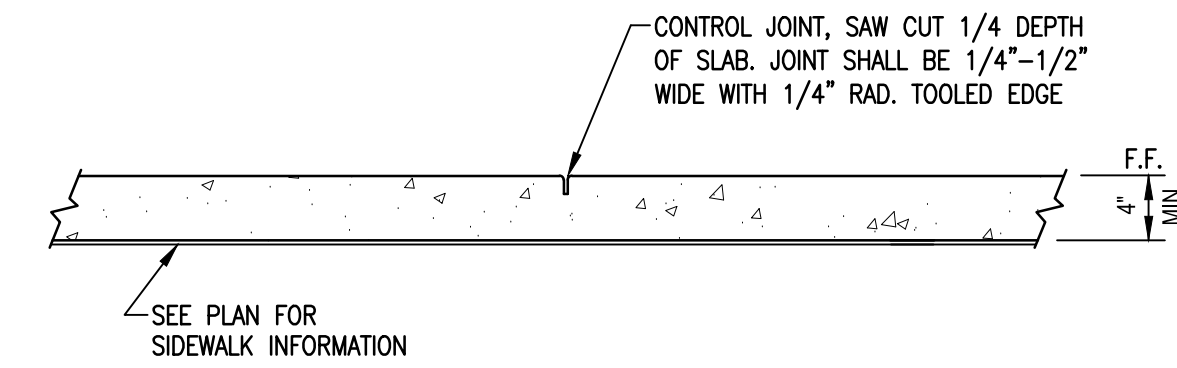


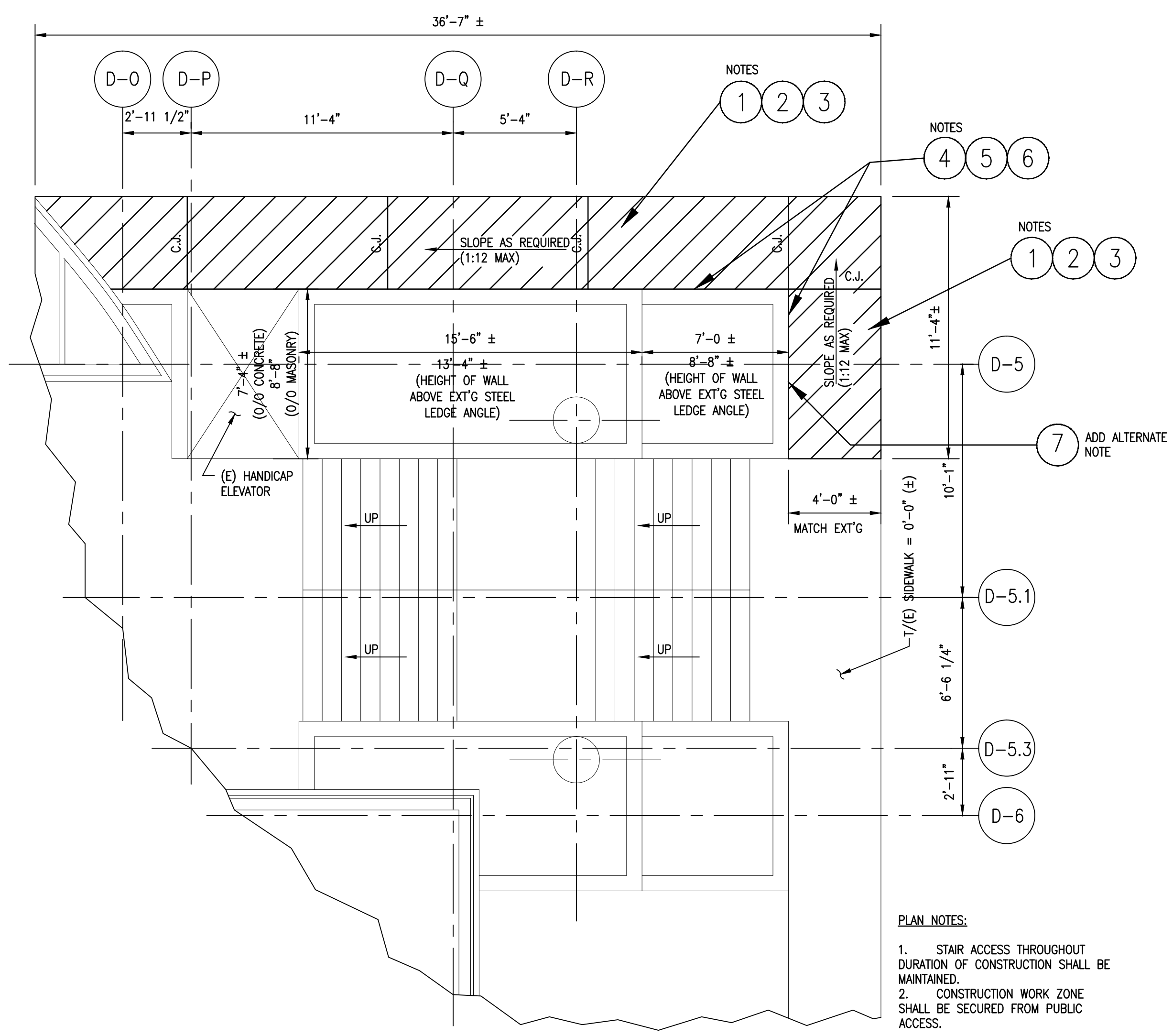
THIS DRAWING AS AN INSTRUMENT OF SERVICE SHALL NOT BE REPRODUCED, ALTERED OR REUSED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. ENGINEERING DRAWINGS ARE PROTECTED BY THE U.S. GOVERNMENT COPYRIGHT LEGISLATION: COPYRIGHT 2014, Bailey and Son Engineering, Inc. ALL RIGHTS RESERVED.



C1 1/4"=1'-0" **SOUTH CAFE ENTRY PAD REPAIR PLAN**



C3 1"=1'-0" **TYPICAL CONTROL JOINT**



A1 1/4"=1'-0" **NORTHEAST ENTRY MASONRY PLANTER REPAIR PLAN**

- SOUTH ENTRY AT CAFE - SIDEWALK REPAIR NOTES**
- REMOVE INDICATED PORTION OF SIDEWALK ADJACENT TO BUILDING THAT HAS SETTLED.
 - EXCAVATE AND REMOVE UNSUITABLE SOIL DOWN TO FIRM SOIL, 12" MINIMUM. REPLACE EXCAVATED SOIL WITH #57 STONE OR CRUSHER RUN COMPACTED TO 98% MIN. OF STANDARD PROCTOR.
 - PLACE ASPHALT EXPANSION JOINT MATERIAL ALONG PORTION OF THE EXISTING BUILDING WHERE THE NEW SIDEWALK CONCRETE WILL BE PLACED. RECOMMENDED ASPHALT EXPANSION JOINT MATERIAL, NO. 321, AS MANUFACTURED BY W.R. MEADOWS, OR APPROVED EQUAL.
 - REPLACE NEW CONCRETE SIDEWALK (4" MIN) IN ACCORDANCE WITH ORIGINAL DESIGN DOCUMENTS. SAW CUT AND TOOL JOINT AS SHOWN IN DETAIL C3/S1. NEW SIDEWALK JOINTS SHALL MATCH EXISTING JOINT LOCATION. SEAL JOINT BETWEEN EXISTING SIDEWALK CONCRETE AND NEW CONCRETE. MATCH EXISTING ELEVATIONS OF EXISTING SIDEWALK.

B2 **SOUTH ENTRY AT CAFE - REPAIR NOTES**

- NORTHEAST ENTRY PLANTER - MASONRY & SIDEWALK REPAIR NOTES:**
- REMOVE INDICATED PORTION OF SIDEWALK ADJACENT TO PLANTER THAT HAS SETTLED.
 - EXCAVATE AND REMOVE UNSUITABLE SOIL DOWN TO FIRM SOIL, 4'-0" MAX. REPLACE EXCAVATED SOIL WITH #57 STONE OR CRUSHER RUN COMPACTED TO 98% MIN. OF STANDARD PROCTOR.
 - REPLACE SIDEWALK (4" MIN) IN ACCORDANCE WITH ORIGINAL DESIGN DOCUMENTS. SAW CUT AND TOOL JOINT AS SHOWN IN DETAIL C3/S1.
 - ATTACH EXISTING MASONRY VENEER TO EXISTING CONCRETE PLANTER WALL USING DRYFIX HELICAL TIES OR TORKFIX MECHANICAL REPAIR ANCHORS AS MANUFACTURED BY HELIFIX, OR APPROVED EQUAL. RETROFIT TIES SHALL BE PLACED AT 16" O.C. VERTICALLY AND AT 24" O.C. HORIZONTALLY (MAX.) INSTALL RETROFIT TIES IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
 - DRILL AND INSTALL WEEP HOLES AT 16" O.C. DIRECTLY ABOVE EXISTING MASONRY SUPPORT ANGLE. WEEP HOLES SHALL BE 3" IN HEIGHT MAXIMUM.
 - TUCKPOINT DAMAGED MASONRY VENEER JOISTS. TOOL JOINTS CONCAVE AS NECESSARY TO MATCH EXISTING.
 - ADD ALTERNATE: REMOVE AND REPLACE MASONRY BLOCK VENEER ON EAST FACE OF PLANTER
 - REMOVE MASONRY BLOCK VENEER DOWN TO SUPPORT (EXISTING STEEL ANGLE OR EXISTING FOUNDATION)
 - REMOVE WALL CAP FOR SECTION ON WALL ONLY
 - INSTALL FLEXIBLE MASONRY WALL TIES AT 16" O.C. VERTICALLY AND 24" O.C. HORIZONTALLY (MAX.). RECOMMENDED WALL TIES - DOVETAIL TIE, TYPE 315, OR CORRUGATED WALL TIE, TYPE CWT, AS MANUFACTURED BY HOHMANN & BARNARD, INC., OR APPROVED EQUAL. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - LAY 4" MASONRY BLOCK VENEER IN RUNNING BOND PATTERN UP TO EXISTING WALL HEIGHT.
 - LAY CAP OVER WALL TO MATCH EXISTING.

A2 **NORTHEAST ENTRY PLANTER - REPAIR NOTES**

- GENERAL NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING ALL WORK DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OSHA REGULATIONS ON THE PROJECT SITE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS SHOWN AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.
 - THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR TO PERFORM THE CONSTRUCTION WORK IN ACCORDANCE WITH DRAWINGS. THE COST OF ANY TESTS OR WORK REQUIRED BECAUSE OF CONTRACTOR'S FAILURE TO PERFORM IN ACCORDANCE WITH THE DRAWINGS SHALL BE BORNE BY THE CONTRACTOR.
 - CONTRACTOR SHALL REFER TO OTHER DISCIPLINE'S DRAWINGS AND VISIT SITE TO OBSERVE (E) CONSTRUCTION AND AS-BUILT CONDITIONS. SURVEY PROJECT SITE TO LOCATE UNDERGROUND ITEMS & UTILITIES. REMOVE / RELOCATE EXISTING ITEMS IF REQUIRED FOR NEW CONSTRUCTION. COORDINATE ANY DISRUPTION OF SERVICES WITH OWNER.
 - CONTRACTOR SHALL REFER TO ARCHITECTURAL AND SITE PLAN DRAWINGS TO COORDINATE ALL DIMENSIONS AND ELEVATIONS RELATED TO WORK SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL DIMENSIONS WITH THE FABRICATOR. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
 - ALL MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, CURRENT EDITION.
 - REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION, OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION, UNLESS SPECIFICALLY STATED OTHERWISE.
 - BOTH BAILEY AND SON ENGINEERING, INC. AND THE ENGINEER WHOSE PROFESSIONAL SEAL IS AFFIXED TO THESE CONTRACT DRAWINGS DISCLAIM ANY IMPLIED WARRANTIES OF ANY KIND WHATSOEVER INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTY OF FITNESS OF THESE DRAWINGS AND/OR SPECIFICATIONS.
 - THE REHABILITATION OF AN EXISTING STRUCTURE REQUIRES ASSUMPTIONS TO BE MADE REGARDING EXISTING CONDITIONS. THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT ADDITIONAL COST OR WITHOUT DESTROYING OTHERWISE SERVICEABLE PORTIONS OF THE STRUCTURE. THE ENGINEER SHALL NOT BE LIABLE FOR ANY COST ARISING FROM THE DISCOVERY OF UNKNOWN CONDITIONS IN THE EXISTING STRUCTURE.
 - THE DETAILER SHALL WORK WITH THE STRUCTURAL AND ARCHITECTURAL DOCUMENTS WHILE PREPARING SHOP DRAWINGS. THE DETAILER SHALL REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. IF THE DETAILER ELECTS TO SCALE THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN, THE DETAILER SHALL SUBMIT SHOP DRAWINGS THAT REQUEST ARCHITECTURAL VERIFICATION OF SCALED DIMENSIONS WHEN SUBMITTED FOR APPROVAL.
 - LIMITS OF SLAB ON GRADE EDGES, RECESSED, DEPRESSED AND SLOPED AREAS ARE PRIMARILY THE RESPONSIBILITY OF THE ARCHITECT. CONTRACTOR SHALL ESTABLISH OR DETERMINE SUCH INFORMATION BASED ON ARCHITECTURAL DOCUMENTS OR EXISTING CONDITIONS PRIOR TO ANY FABRICATION OR CONSTRUCTION OF CONCRETE OR STEEL.

- CONCRETE AND SLAB NOTES:**
- SLABS ARE DESIGNED FOR 3000 PSF ALLOWABLE SOIL BEARING PRESSURE AND A SOIL SUBGRADE MODULUS (K) OF 125 PCL. CONTRACTOR SHALL VERIFY ADEQUACY OF SLAB SUBGRADE TO SUPPORT THIS LOADING. EXCAVATE ALL SOIL UNSUITABLE FOR SLAB SUPPORT AS DETERMINED BY A GEOTECHNICAL ENGINEER.
 - FILL UNDER SIDEWALK SLABS TO BE COMPACTED TO 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698), WITH THE UPPERMOST 12 INCHES COMPACTED TO 98% OF THE SAME SPECIFICATION. MOISTURE CONTENT OF THE FILL, WHILE IT IS BEING COMPACTED, SHALL BE WITHIN 3% OF THE STANDARD PROCTOR OPTIMUM MOISTURE CONTENT.
 - OWNER MAY RETAIN AN INDEPENDENT GEOTECHNICAL ENGINEER FOR TESTING COMPACTION AND INSPECTIONS OF ALL FOOTING AND SLAB SUBGRADE. TEST AND INSPECTION RESULTS SHALL BE REPORTED IN WRITING TO THE ENGINEER AND CONTRACTOR WITHIN 24 HOURS AFTER TESTS ARE MADE. THE COST OF ANY RETESTS OR ADDITIONAL WORK REQUIRED DUE TO IMPROPERLY COMPACTED FILL SHALL BE BORNE BY THE CONTRACTOR.
 - ALL CONCRETE WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ACI 318, INCLUDING HOT WEATHER CONCRETING PROCEDURES IN ACI 305 AND COLD WEATHER CONCRETING PROCEDURES IN ACI 306.
 - MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS, UNLESS NOTED OTHERWISE:
 SLAB ON GRADE CONCRETE.....4000 PSI*
 - PROVIDE 6% AIR ENTRAINING IN CONCRETE EXPOSED TO WEATHER.
 - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.
 REINFORCING BARS.....ASTM A615, GRADE 60
 WELDED WIRE FABRIC.....ASTM A185
 CONCRETE AGGREGATE.....ASTM C33
 - CONCRETE FINISHES DETERMINED BY OWNER AND MATCH EXISTING. CURING COMPOUND SHALL MEET ASTM C1315 WITH A MIN. OF 25% SOLIDS CONTENT BY VOLUME.

- C.J. (AS INDICATED IN PLAN) DENOTES CONTROL JOINT. "SAW JOINT" (AS INDICATED IN PLAN) DENOTES JOINT MUST BE SAWED AS DICTATED BY DESIGN. FOR A SAW JOINT, SAW CUT WHERE INDICATED, TO A DEPTH OF 1/4 THICKNESS OF SLAB. JOINT SHALL BE SOFT CUT AS SOON AS POSSIBLE AFTER FINISHING OPERATIONS WITHOUT CAUSING RAVELING OF THE SURFACE. FOR A CONSTRUCTION JOINT, THICKEN THE SLAB TO 8" FOR AT LEAST 16" ON EACH SIDE OF THE JOINT AND PROVIDE 1/2" DOWELS AT 16" THROUGH JOINT. SEE SECTIONS & DETAILS FOR CLARIFICATION. JOINT SPACING FOR A 4" THICK SLAB ON GRADE SHALL BE 10'-0"± O.C. WITH 12'-0" MAXIMUM RECOMMENDED.
- REFER TO PLANS FOR LOCATIONS OF SLAB SLOPES, DEPRESSIONS, ETC.
- CONCRETE TEST CYLINDERS AND SLUMP TESTS ARE TO BE MADE FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF, OR FOR EACH 5,000 SQUARE FOOT OF SURFACE AREA PLACED. TEST RESULTS SHALL BE REPORTED IN WRITING TO THE ENGINEER WITHIN 48 HOURS AFTER TESTS ARE MADE.
- WELDED WIRE FABRIC IN FLOOR SLABS TO BE PLACED IN SHEETS. LOCATE WWF A CLEAR DISTANCE EQUAL TO 1/4 OF SLAB DISTANCE FROM TOP OF SLAB ON GRADE.
- LIMIT USE OF FLY ASH TO NOT EXCEED 20% OF CEMENTITIOUS MATERIAL BY WEIGHT (CEMENT + FLY ASH).

- CONCRETE MASONRY NOTES:**
- ALL MASONRY WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE ACI 530. ALL HOLLOW CONCRETE BLOCK SHALL BE LIGHTWEIGHT (105 LBS/FT.³ MAX.) AND SHALL MEET THE REQUIREMENTS OF ASTM C90, TYPE II, GRADE N. (f_m = 1500 PSI).
 - MORTAR SHALL MEET ASTM C270 FOR TYPE S MORTAR.
 - BLOCK SHALL BE PLACED IN RUNNING BOND, JOINTS TO BE 3/8"; TOOL ALL JOINTS CONCAVE.
 - LOCATE CONTROL JOINTS AND EXPANSION JOINTS AS RECOMMENDED BY THE NMA (40 FEET MAXIMUM SPACING) AND AS APPROVED BY THE ARCHITECT. DISCONTINUE BOND BEAM REINFORCING AT CONTROL JOINTS EXCEPT FOR BOND BEAMS AT THE PLANE OF A ROOF, A FLOOR, OR AT THE TOP OF THE WALL.

A3 **PROJECT NOTES**

NO.	DESCRIPTION	DATE	BY	CHECKED BY
0	ISSUED FOR CONSTRUCTION	07/10/14	FSS	
	REVISIONS			

124 Edinburg Court
 Suite 209
 Greenville, South Carolina
 29607
 Phone (864) 232-1284
 Fax (864) 232-3114

www.BaSE91.com
 mailbox@BaSE91.com

BaSE

Bailey and Son Engineering, Inc

USC UPSTATE WELLNESS CENTER
 MASONRY PLANTER & CAFE ENTRY PAD REPAIR
 SPARTANBURG, S.C.

CLIENT: UNIVERSITY OF SOUTH CAROLINA UPSTATE
PLAN, SECTIONS & DETAILS