



US Army Corps
of Engineers
Mobile District

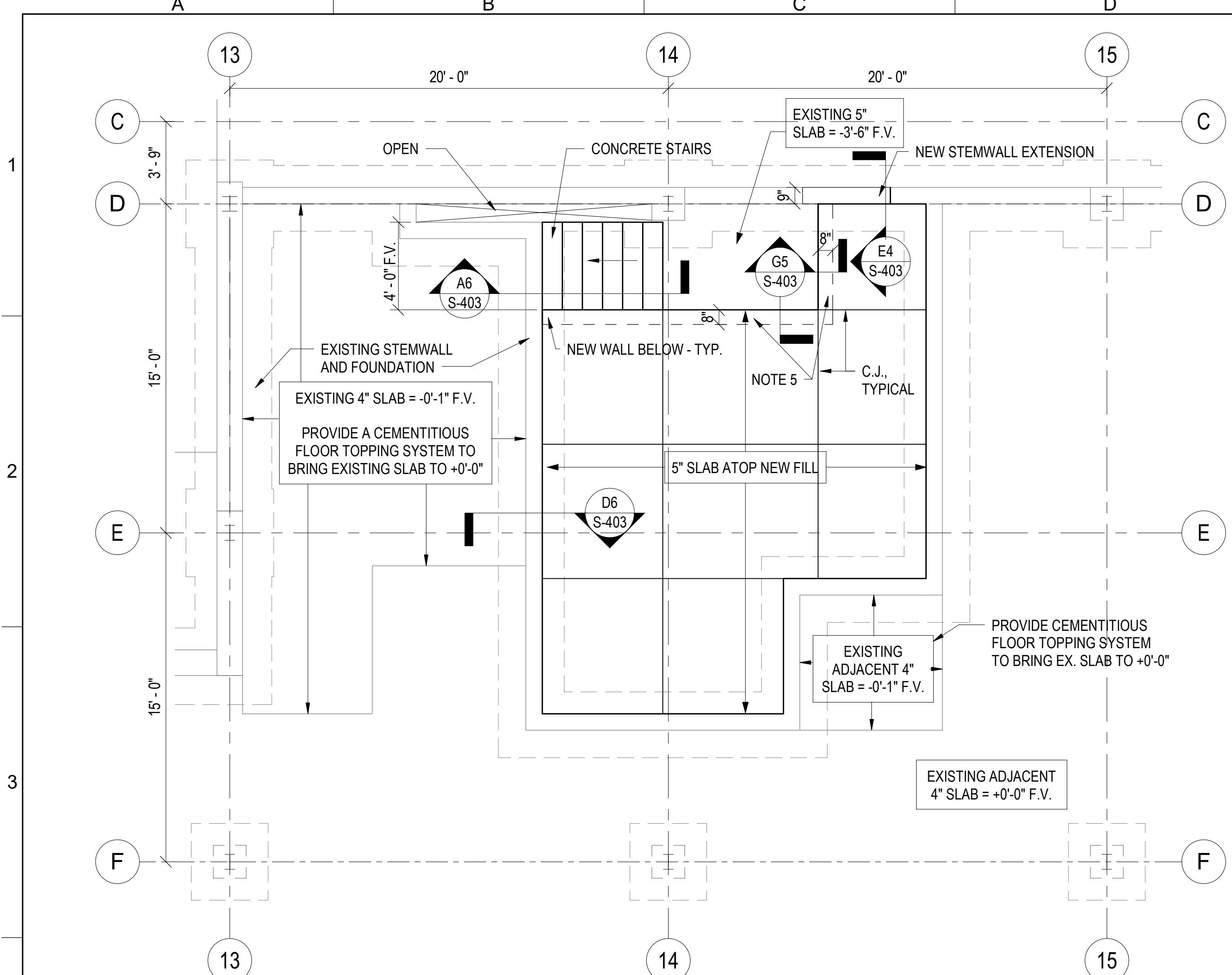
Symbol	No.	Description	Revisions
		Date Approved	



U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MOBILE, ALABAMA	Designed By: SHR	Date: 06-29-2021
	Drawn By: SHR	File No.
	Checked By: JCS	I.S.O. Sheet File Name:

ARTC - B640 RENOVATION FEMA - DHS - CDP, ANNISTON, AL	Ss&a	Reviewed By: CLARK NEXSEN
		U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MOBILE, ALABAMA

SHEET IDENTIFICATION S-403	SHEET 41 of 442
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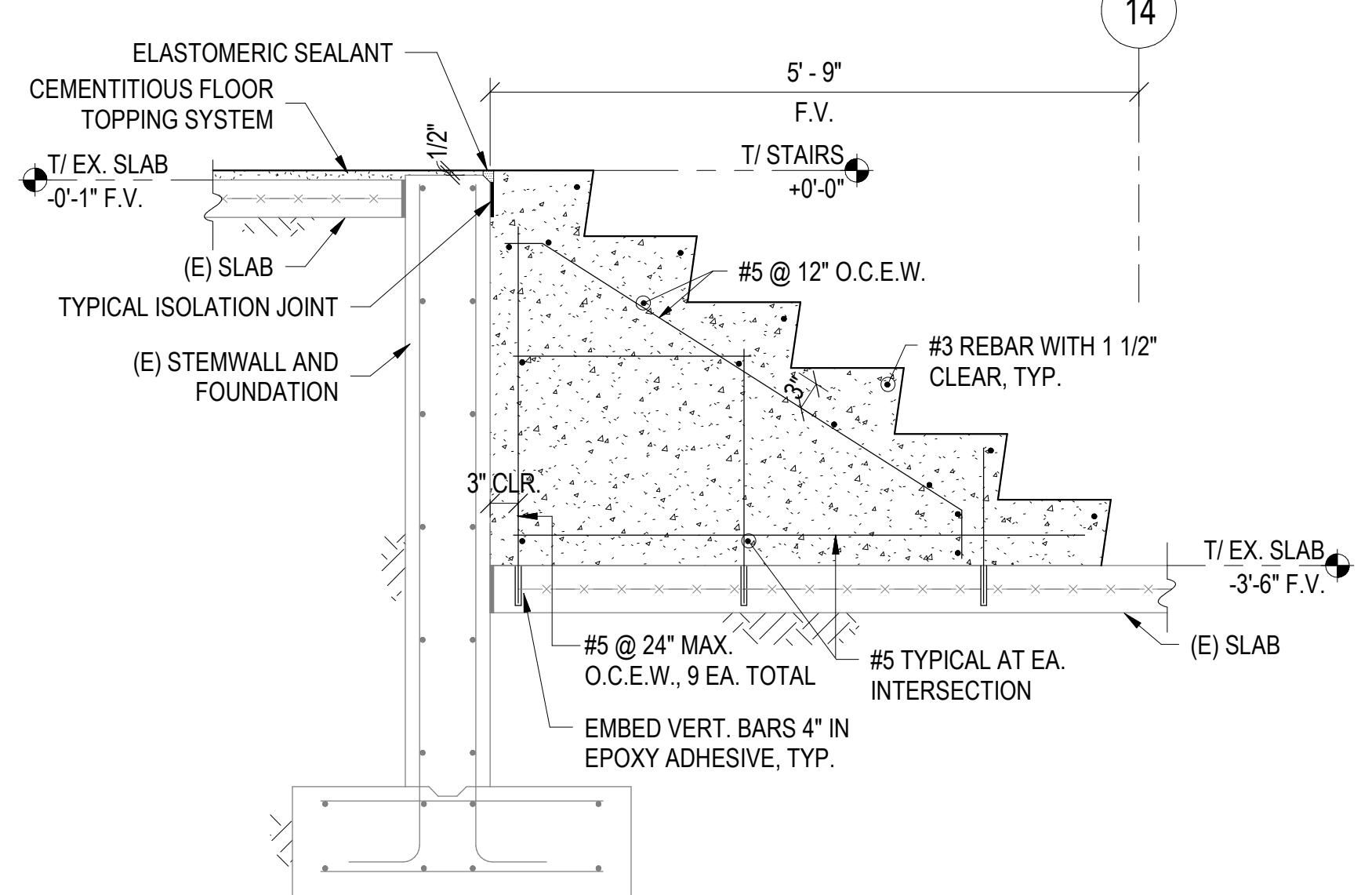


A4 FOUNDATION AND SLAB PLAN - MECH. ROOM 321

SCALE: 1/4" = 1'-0" REF: A-123, AD-123

NOTES:

- FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- TOP OF EXISTING SLAB REFERENCE ELEVATION = 113-6" U.N.O. (SEE CIVIL FOR SITE ELEVATIONS).
- SPACE CRACK CONTROL JOINTS AS SHOWN.
- THE STRUCTURE FOR THE WALKWAY ALONG GRID LINE C IS NOT SHOWN FOR CLARITY.
- REFER TO ARCHITECTURAL FOR GUARDRAIL REQUIREMENTS AND LOCATIONS.



A6 SECTION

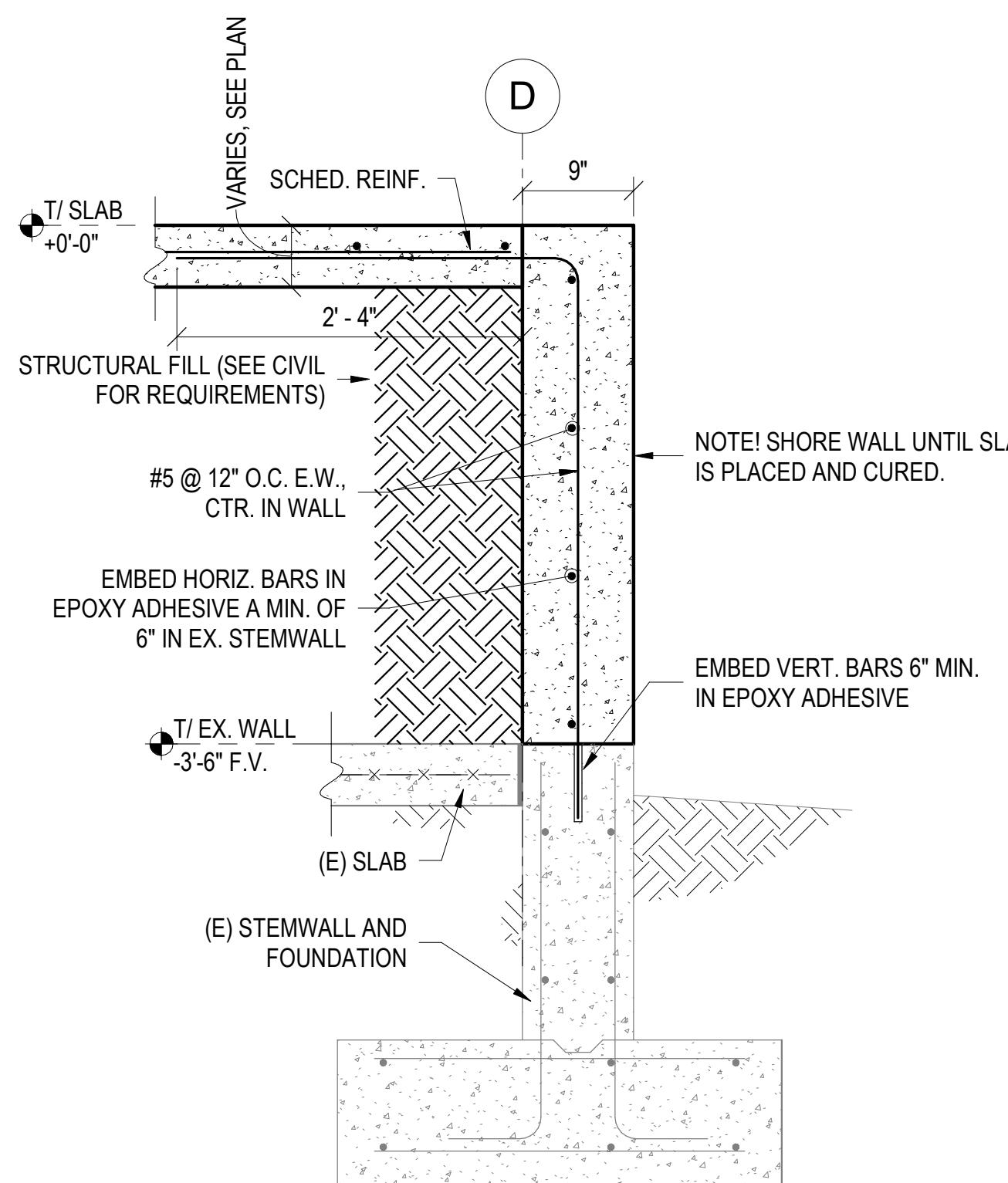
SCALE: 3/4" = 1'-0" REF: S-403

NOTES:

- SEE ARCH. FOR STAIR DIMENSIONS.

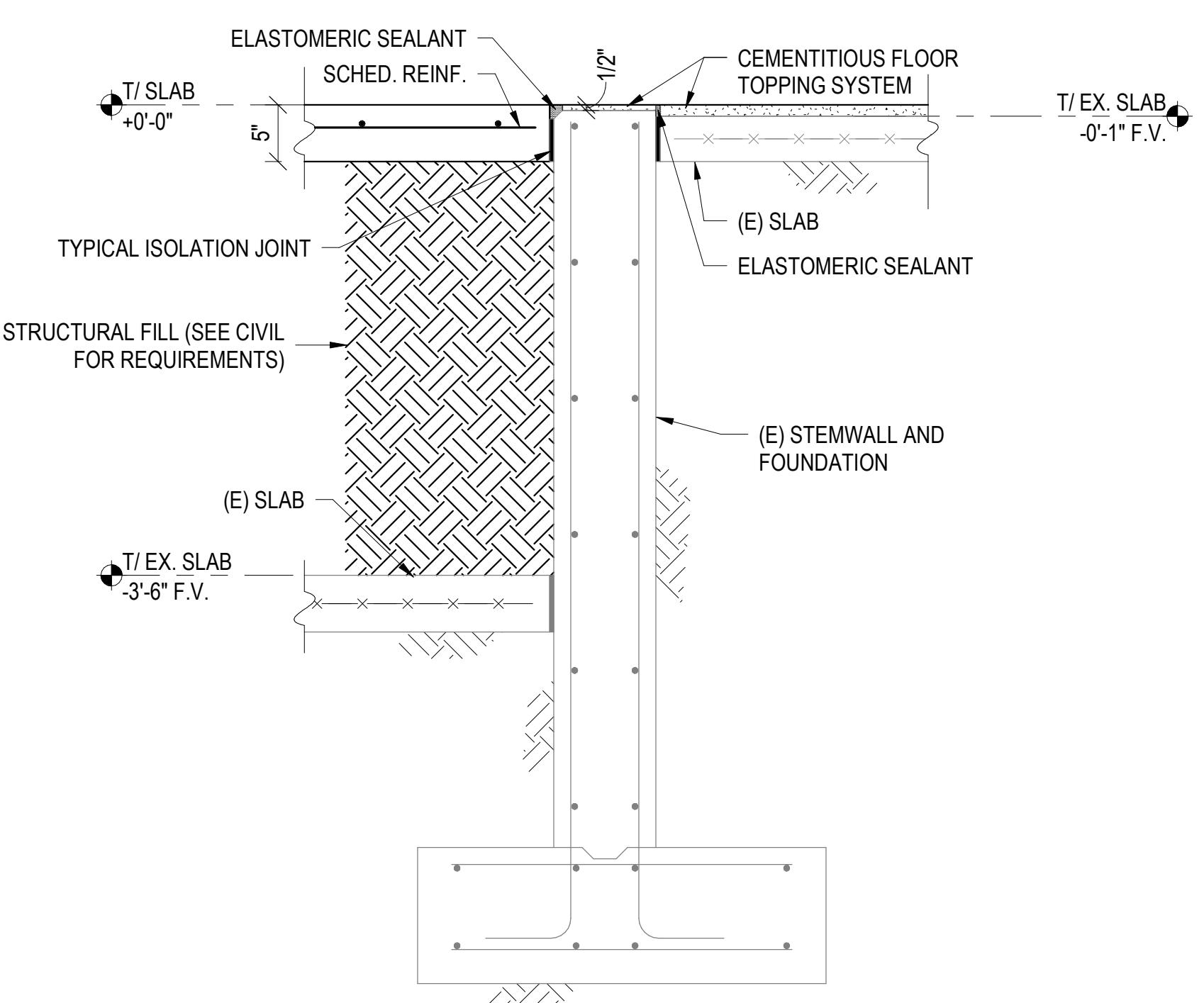
D6 SECTION

SCALE: 1" = 1'-0" REF: AD-123, S-403



E4 SECTION

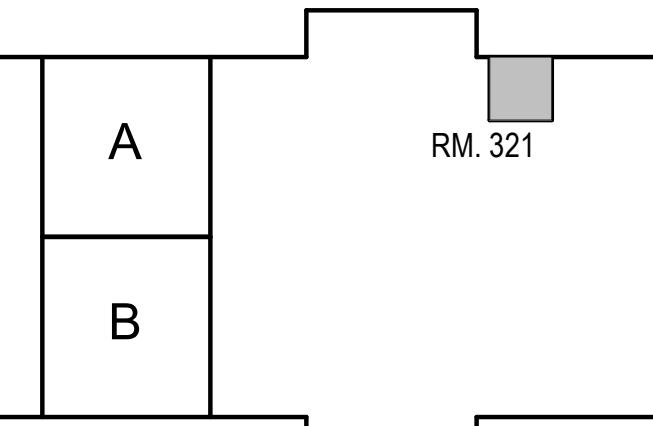
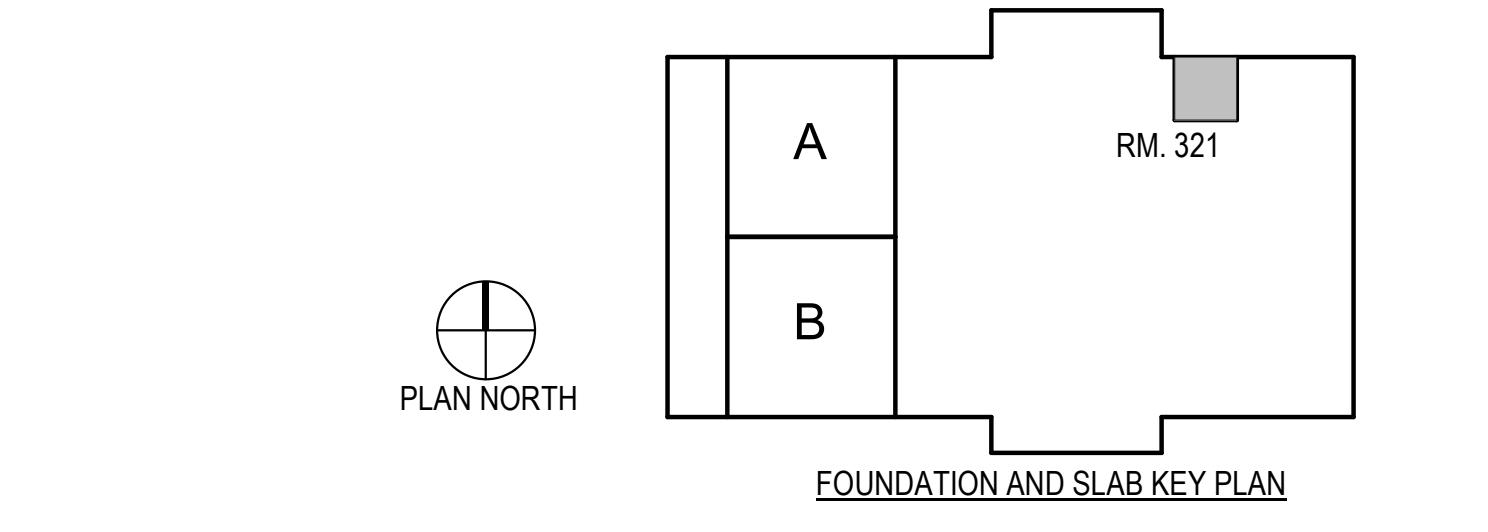
SCALE: 1" = 1'-0" REF: S-403, S-404



G5 SECTION

SCALE: 1" = 1'-0" REF: S-403

NOTE:
REFER TO ARCHITECTURAL FOR GUARDRAIL REQUIREMENTS AND LOCATIONS.



REQUIREMENTS FOR THE CEMENTITIOUS FLOOR TOPPING SYSTEM:

- PROVIDE A DURABLE ABRASION RESISTANT NON-SHRINK SELF-LEVELING (OR SEMI-LEVELING) PORTLAND CEMENT BASED FLOOR TOPPING SYSTEM RATED FOR LIGHT INDUSTRIAL USE WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. ENSURE IT IS CAPABLE OF BEING APPLIED AT 1" +/- APPLIED THICKNESS; USE A NATURAL GRAY COLOR.
- PROVIDE ONE OF THE FOLLOWING PRODUCTS, OR APPROVED EQUAL.
 - DAYTON SUPERIOR "LEVEL TOPPING EXTERIOR"
 - ARDEX K 520 "SELF-LEVELING CONCRETE TOPPING"
 - MAPEI "ULTRATOP PC"
- PROVIDE ANY SPECIAL TOOLS SUCH AS SPREADERS, LEVELING RAKES, ETC., REQUIRED BY THE MANUFACTURER.
- CLEAN AND PREPARE THE EXISTING SURFACE PER ASTM D4258 AND D4259 AS WELL AS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. PRIOR TO PLACEMENT OF THE CEMENTITIOUS FLOOR TOPPING SYSTEM, VERIFY THERE IS NO GYPSUM PRODUCT (OR OTHER BOND BREAKER PRODUCTS) ON THE EXISTING SLAB.
- MECHANICALLY ROUGHEN EXISTING SURFACE TO MEET ICRI TECHNICAL GUIDELINE NO. 310.2. USE A SURFACE PROFILE OF CSP 3.
- PROVIDE ANY SURFACE PRIMER OR OTHER PRODUCT INTENDED FOR BONDING PURPOSES AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
- IF REQUIRED BY THE MANUFACTURER TO PROVIDE A DURABLE ABRASION-RESISTANT SURFACE, PROVIDE THE MANUFACTURER'S RECOMMENDED COMPATIBLE SURFACE PROTECTION SYSTEM.
- CURE TOPPING IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE CONTINUOUS MOIST CURING TO ABATE THE FORMATION OF DRYING SHRINKAGE CRACKS. PROVIDE A SMOOTH TROWELED FINISH. SEE SPECIFICATIONS SECTION 03 30 53 FOR ADDITIONAL FINISHING REQUIREMENTS.
- DO NOT APPLY THE CEMENTITIOUS FLOOR TOPPING SYSTEM OVER EXISTING SLAB JOINTS. PROVIDE JOINTS IN OVERLAY ABOVE EXISTING JOINTS BY FORMING AND FILLING Voids ABOVE JOINTS WITH FLEXIBLE SEALANT. PROVIDE JOINTS IN TOPPING AT LOCATIONS INDICATED BY FORMING AND FILLING Voids ABOVE JOINTS WITH FLEXIBLE SEALANT.
- SUBMIT MANUFACTURER'S TECHNICAL DATA AND INSTALLATION INSTRUCTIONS IN SUFFICIENT TIME TO RECEIVE APPROVAL PRIOR TO PLACEMENT.