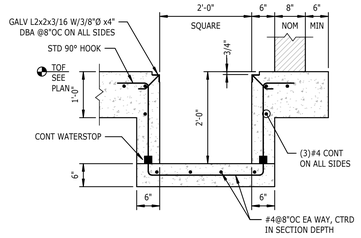
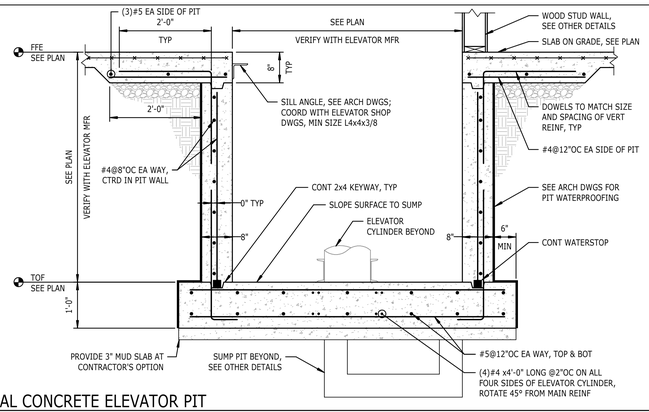
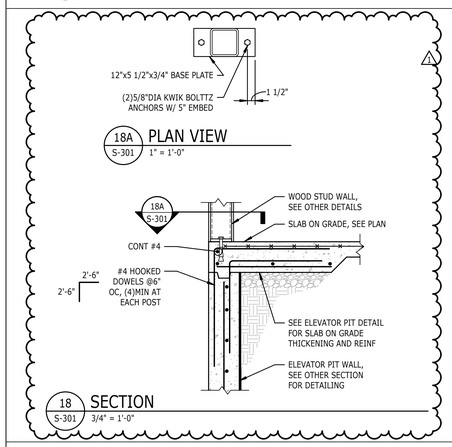
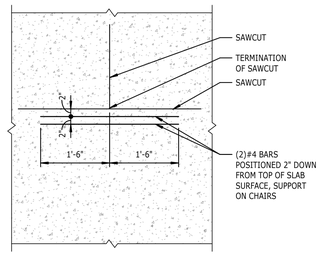


17 S-301 TYPICAL ELEVATOR SUMP PIT
NTS

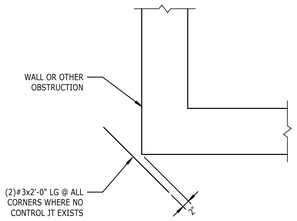


9 S-301 TYPICAL CONCRETE ELEVATOR PIT
NTS

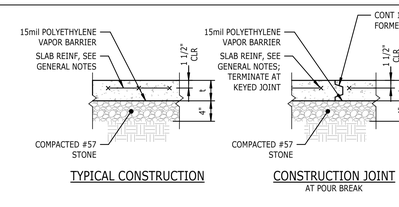


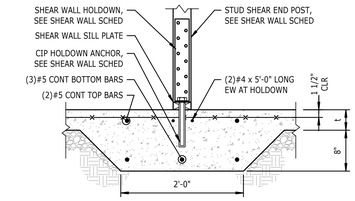


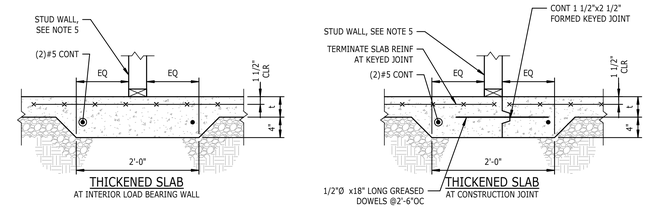
14 S-301 TYPICAL AT CONTROL JOINT TERMINATION
NTS



10 S-301 TYPICAL SLAB AT CORNERS
NTS

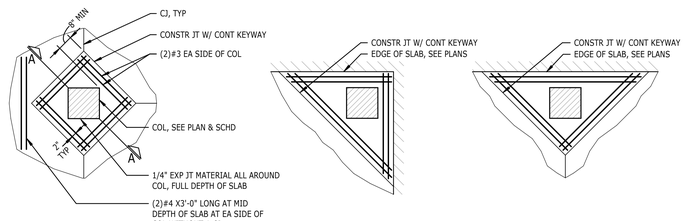


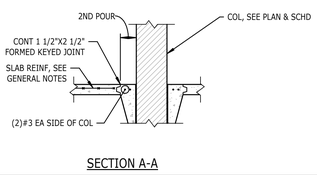




NOTES:
1. 't' DENOTES SLAB THICKNESS, SEE PLANS.
2. LOCATION OF SLAB ON GRADE CONSTRUCTION JOINTS SHALL BE DETERMINED BY THE CONTRACTOR. JOINT LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
3. SEE PLANS FOR LOCATION OF CONTROL JOINTS. WHERE NOT SHOWN ON PLAN, CONTACT THE ENGINEER.
4. SAW CUT CONTROL JOINTS WITHIN 8 HOURS OF SLAB POUR.
5. ALL SILL PLATES IN CONTACT WITH CONCRETE, MASONRY, OR STEEL SHALL BE PRESSURE-TREATED. ANCHOR INTERIOR WALL SILL PLATES TO SLAB WITH (1)0.145"Ø x2 7/8" HILTI X-CP FASTENER (OR EQUAL) @24"OC, MAXIMUM UNO.

1 S-301 TYPICAL SLAB ON GRADE
NTS





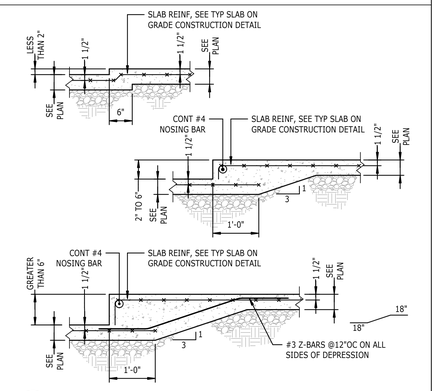
11 S-301 TYPICAL COLUMN ISOLATION JOINTS
NTS

CONCRETE REINFORCING SPLICES			
BAR SIZE	f'c = 3,000 PSI	f'c = 4,000 PSI	f'c = 5,000 PSI
#3	1'-10"	1'-7"	1'-5"
#4	2'-4"	2'-1"	1'-10"
#5	3'-0"	2'-7"	2'-4"
#6	3'-7"	3'-1"	2'-9"
#7	5'-2"	4'-6"	4'-1"
#8	5'-11"	5'-2"	4'-8"
#9	6'-6"	5'-10"	5'-3"
#10	7'-6"	6'-6"	5'-10"
#11	8'-4"	7'-3"	6'-6"

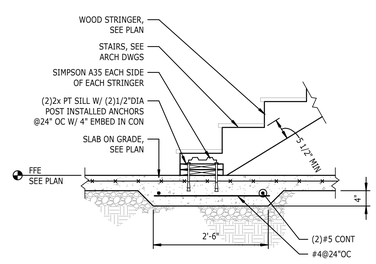
SPLICE LENGTH

NOTES:
1. FOR CLASS B LAP SPLICE, SPLICE LENGTH = 1.3 x DEVELOPMENT LENGTH.
2. APPLIES TO BOTTOM BARS ONLY (LESS THAN 12" OF FRESH CONCRETE BELOW BAR).
3. APPLIES WHERE THE CLEAR COVER IS GREATER THAN THE BAR DIAMETER.
4. WHEN MORE THAN 12" OF FRESH CONCRETE BELOW SPLICE, THEN INCREASE SPLICE TO 1.3 x SPLICE LENGTH.

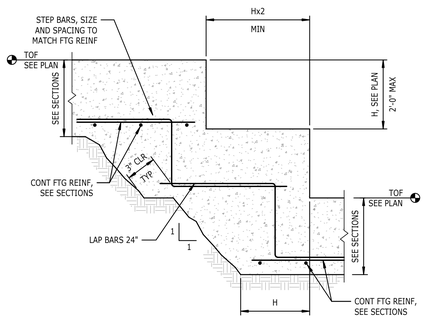
7 S-301 CONCRETE REINFORCING SPLICE SCHEDULE
NTS



3 S-301 TYPICAL DEPRESSION IN SLAB ON GRADE
NTS

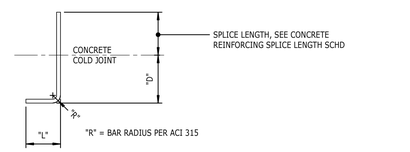


16 S-301 TYPICAL THICKENED SLAB AT STAIR STRINGER
NTS



12 S-301 TYPICAL STEP IN WALL FOOTING
NTS

CONCRETE REINFORCING DOWEL EMBEDMENT				
BAR SIZE	LEG DIM, "L"	EMBEDMENT, "D"		
		f'c = 3,000 PSI	f'c = 4,000 PSI	f'c = 5,000 PSI
#3	6"	6"	6"	6"
#4	8"	8"	7"	6"
#5	10"	10"	9"	8"
#6	12"	12"	10"	9"
#7	14"	14"	12"	11"
#8	16"	16"	14"	12"
#9	19"	18"	15"	14"
#10	22"	20"	17"	15"
#11	24"	22"	19"	17"



NOTES:
1. FOR CONCRETE STRENGTHS NOT PROVIDED, USE THE EMBEDMENT LENGTH FOR THE LOWER CONCRETE STRENGTH AS SHOWN IN THE TABLE.
2. DOWEL LENGTHS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT, INCREASE DOWEL LENGTH "D" BY 30%.
3. SIDE COVER ON BARS MUST BE GREATER THAN 2 1/2". END COVER ON 90° HOOKED BARS MUST BE GREATER THAN 2".
4. FOR EPOXY-COATED BARS, INCREASE THE DOWEL LENGTH "D" BY 20%.

4 S-301 EMBEDMENT DOWEL LENGTH SCHEDULE
NTS

HARNETT REGIONAL JETPORT

NEW TERMINAL BUILDING

WBS NO. 36237.25.15.1

NORTH CAROLINA PROFESSIONAL SEAL 046610 ENGINEER CORY M. HIGH
03/17/2023

ARCHITECT

THE WILSON GROUP
PO BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350
FIRM NO.: C-0713

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 334-7925
FIRM NO.: C-1051

MECHANICAL, ELECTRICL, PLUMBING & FIRE PROTECTION ENGINEER

SABER ENGINEERING
2923 S. TRYON ST., SUITE 280
CHARLOTTE, NC 28203
(704) 373-0068
FIRM NO.: C-2130

IT / SECURITY

VERTEX TECHNOLOGY CONSULTANTS
4700 LEBANON RD., SUITE A-1
CHARLOTTE, NC 28227
(980) 272-9500

REVISIONS

1 03/17/2023 BD-02

DATE SEPTEMBER 9, 2022

PROJECT NUMBER 9189-000

SHEET TITLE

FOUNDATION DETAILS

SHEET NUMBER

S-301