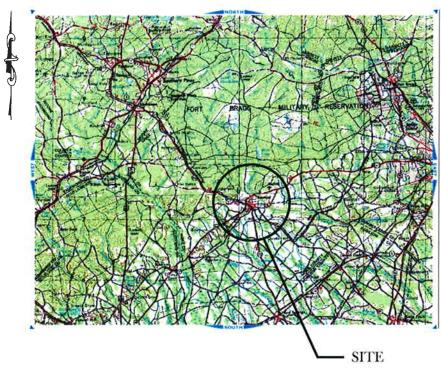


Home & Personal Care - USA

100 Faberge Blvd., Raeford, North Carolina 28376

Project Name: North Carolina Plant Project No. R5008L - Project Merlin Liquids Process Upgrade





		STRU	CTURAL DRAWING LIST	
SHEET No.	REVISION	DATE	SHEET TITLE	
R5008L-01-G001	0	5/31/06	COVER SHEET	
R5008L-01-S000	0	5/31/06	GENERAL NOTES & SCHEDULES	
R5008L-01-S001	0	5/31/06	PROCESS PLATFORM GENERAL TYPICAL STEEL DETAILS	
R5008L-01-SD01	0	5/31/06	EXISTING CONDITIONS & DEMOLITION PLAN	
R5008L-01-S101	0	5/31/06	PROCESS PLATFORM STRUCTURAL COLUMN FOOTING PLAN	
R5008L-01-S102	0	5/31/06	PROCESS PLATFORM STRUCTURAL FRAMING PLAN	
R5008L-01-S201	0	5/31/06	PROCESS PLATFORM 3D ELEVATION	
R5008L-01-S301	0	5/31/06	PROCESS PLATFORM CROSS SECTIONS	
R5008L-01-S302	0	5/31/06	TANK LUG SUPPORT SECTION	
R5008L-01-S401	0	5/31/06	PROCESS PLATFORM ENLARGED PLAN - CONCRETE PLAN	
R5008L-01-S501	0	5/31/06	SECTIONS AND DETAILS - CONCRETE (1 of 2)	
R5008L-01-S502	0	5/31/06	SECTIONS AND DETAILS - STEEL (2 of 2)	

GENERAL NOTES:

- GENERAL CONTRACTOR SHALL VERIFY EXISTING FEATURES, CONDITIONS, STRUCTURAL MEMBERS, DIMENSIONS, AND ELEVATIONS PRIOR TO PURCHASING OR FABRICATING MATERIALS AND EQUIPMENT.
- GENERAL CONTRACTOR SHALL CHECK AND VERIFY DIMENSIONS AND GENERAL PROJECT AREA CONDITIONS (NEW AND EXISTING). GENERAL CONTRACTOR SHALL NOTIFY FNGINFER OF DISCREPANCIES PRIOR TO START OF WORK. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR WORK FITTING AS INTENDED BY THE DRAWINGS AND SPECIFICATIONS.
- THE STRUCTURE SHOWN HEREIN HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATION OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND OTHER SUPPORTING FLEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE
- THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, TEMPORARY SUPPORTS. ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR
- THE STRUCTURAL DRAWINGS ARE NOT INTENDED FOR USE AS SHOP ERECTION DRAWINGS. REPRODUCTION OF THESE DRAWINGS IN LIEU OF PREPARATION OF SHOP ERECTION DRAWINGS IS NOT ACCEPTABLE. SHOP DRAWINGS SHALL BE THOROUGHLY DETAILED AND SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO START
- PROVIDE ADEQUATE STRUCTURAL FRAMING AS APPROVED BY THE ENGINEER FOR ALL REQUIRED MECHANICAL OPENINGS THROUGH SLABS, WALLS, FLOOR DECK, ETC. SUPPORT ALL MECHANICAL EQUIPMENT, OPENINGS SHALL NOT BE PERMITTED THROUGH BEAMS UNLESS SPECIFICALLY DETAILED BY THE ENGINEER, GENERAL CONTRACTOR TO COORDINATE WITH TANK MANUFACTURER FOR SUPPORT AND INSTALLATION REQUIREMENTS
- WHERE SUBMITTALS ARE REQUIRED TO BE REVIEWED BY THE ENGINEER, A PERIOD OF TWENTY-ONE (21) DAYS, MEASURED FROM THE DATE RECEIVED BY THE ENGINEER, SHALL BE SCHEDULED FOR THE REVIEW OF EACH SUBMITTAL.
- WHERE SPECIFIC PROPRIETARY PRODUCTS ARE INDICATED, THEY ARE TO BE TAKEN AS THE REPRESENTATIVE STANDARD OF QUALITY.
- WHERE PROPRIETARY PRODUCTS ARE SPECIFIED, FOLLOW ALL MANUFACTURER'S
- WHERE USED HEREIN THE SYMBOL (+) DOES NOT IMPLY ANY DEGREE OF PRECISION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BY DIRECT MEASUREMENT PRIOR TO THE START OF WORK.

STRUCTURAL DESIGN CRITÉRIA:

- APPLICABLE CODES
- INTERNATIONAL BUILDING CODE (IBC) 2003 EDITION INCLUDING ALL PERTINENT AMENDMENTS
- A.L.S.C. MANUAL OF STEEL CONSTRUCTION, NINTH EDITION 1989.
- A.W.S. D1-1 A.C.I. 318
- ASCE 7. LATEST EDITION.
- CRSI MANUAL OF STANDARD PRACTICE, LATEST EDITION.
- DESIGN LOADS

ROOF LIVE LOADS:

ELEVATED CONCRETE FLOORS

NOT APPLICABLE

60 PSF

SNOW LOAD:

NOT APPLICABLE

WIND LOAD:

NOT APPLICABLE

SEISMIC LOAD: SEISMIC IMPORTANT FACTOR =1 25 SEISMIC USE GROUP = II SS/S1 = 0.35/0.15SITE CLASS = C SDS/SD1 = 0.28/0.16

SEISMIC RESPONSE COEFFICIENT = 0.12

SEISMIC FORCE RESISTING SYSTEM = ORDINARY STEEL MOMENT FRAME ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE BASE SHEAR = 0.12 X STRUCTURE MASS

DESIGN CRITERIA (CONTINUED)

- FLOOD LOADS: NOT APPLICABLE
- SPECIAL LOADS 6,000 GALLON TANK
 - (a) FMPTY = 10.000 POUNDS (b) CONTENT = 55,000 POUNDS
 - 3,000 GALLON TANK
 - = 10.500 POUNDS (a) EMPTY (b) CONTENT = 30,000 POUNDS
- LINIESS SPECIFICALLY NOTED. THERE ARE NO PROVISIONS MADE FOR THE ADDITION OF FUTURE MACHINES, EQUIPMENT, OR FLOORING.

CONCRETE:

UNLESS OTHERWISE NOTED (UON) ON THESE DRAWINGS. MINIMUM REINFORCEMENT COVER SHALL BE AS FOLLOWS:

SLABS ON GRADE 2" CLEAR ELEVATED SLABS 34" CLEAR

- ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI DURING THE PLACEMENT OF
- 3. UNLESS OTHERWISE NOTED (UON) ON THESE DRAWINGS, SPLICES FOR REINFORCEMENT SHALL BE

WELDED WIRE FABRIC ----- WIRE SPACING PLUS 6 REINFORCING BARS----- 60 BAR DIAMETERS

- DOWELS SHALL BE PLACED BEFORE CONCRETE IS POURED AND NOT PUSHED INTO THE WET
- 5 CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED BARS.
- NON-SHRINK GROUT SHALL BE A HIGH-PERFORMANCE, NON-SHRINK, PREPACKAGED, PROPRIETARY, CEMENITIOUS GROUT HAVING A 28-DAY COMPRESSIVE STRENGTH OF 6000 PSI. SUCH AS SIKAGROUT 212, BY SIKA CORPORATION, OR EQUAL: FOLLOW ALL MANUFACTURER'S PUBLISHED INSTRUCTIONS.

STRUCTURAL STEEL:

- 1. FABRICATION AND ERECTION OF ALL STEEL SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHAPES SHALL BE A.S.T.M A992 (GRADE 50) OR A.S.T.M A572, GRADE 50. STEEL PLATES AND ANGLES SHALL BE A.S.T.M. A36. STRUCTURAL STEEL FOR ROUND PIPE MEMBERS SHALL BE A.S.T.M. A53, TYPE E, GRADE B, A.S.T.M. A501. STRUCTURAL STEEL FOR RECTANGULAR TUBE MEMBERS SHALL BE A.S.T.M. A500, GRADE B. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST A.L.S.C. SPECIFICATIONS.
- ALL WELDS SHALL BE MADE USING E 70XX ELECTRODES CONFORMING TO THE AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE" D1.01-90 WITH LATEST REVISIONS. MINIMUM FILLET WELD SIZE IS 1/4" FOR STRUCTURAL STEEL.
- STEEL DETAILER SHALL DESIGN CONNECTIONS FOR BEAM REACTIONS SHOWN ON FRAMING PLANS UNLESS SPECIFICALLY NOTED OTHERWISE ON THE FRAMING PLANS OR DETAILS, THE STRENGTHS OF THE FRAMED CONNECTIONS SHALL NOT BE LESS THAN THE ALLOWABLE SHEAR CAPACITY OF THE SECTION FOR BEAMS AS SHOWN IN THE TABLES IN PART 2 OF THE AISC MANUAL. ALL CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE ALLS.C. MANUAL OF STEEL CONSTRUCTION.

SCHEDULE OF SPECIAL INSPECTIONS SPECIAL INSPECTIONS ARE REQUIRED FOR ALL OF THE FOLLOWING CONSTRUCTION ACTIVITIES CONCRETE RENFORCING STEEL SOIL BEARING CAPACITY STRUCTURAL STEEL

SCHEDULE OF MOMENT CONNECTIONS Note: "FP" stands for Full Penetration Groove Weld. COMPONENT WELD SIZES COMPO COMPO A BLEVA DETAIL COMPONENT 1 COMPONENT COMPONENT S1 52 S3 S4 85 86 87 10 550 SHEAR TAB STIFFENER 13/16 1/2 1/2 1/2 FP COLS C3, C4 10 552 FIN PLATE STIFFENER 32 1/16 12 5/8 N/A 13/16 1/2 FP 1/2 13/16 1/2 FP 1/2 FP FP COLS C5, C6 10 554 SHEAR TAB STIFFENER 32 1/16 34 COLS C5, C6 10 556 FIN PLATE 13/16 1/2 FP 1/2 STIFFENER 32 1/16 12 5/8 N/A COLS C3, C4 15 554 SHEAR TAB STIFFENER 32 1/16 34 7 7/16 N/A 13/16 1/2 EP 1/2 EP EF 15 556 FIN PLATE 13/16 1/2 FP 1/2 COLS C3. C4 STIFFENER 32 1/16 12 5/8 N/A COLS C1, C2 15 522 CAP PLATE 1 1/2 1/2 3/8 STIFFENER 3/8 X 16 X 16 1/2 FP AS NOTED 15 536

STRUCTURAL STEEL (CONTINUED):

- BOLTED BEAM CONNECTIONS SHALL BE SIMPLE FRAMED SHEAR CONNECTIONS USING A,S.T.M, A325X BOLTS (U,N,O,) AND SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING A.S.T.M. A325 OR A490 BOLTS. UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE CONNECTIONS FOR BEAMS SHALL BE DETAILED USING THE MAXIMUM NUMBER OF SINGLE ROW BOLTS OF STANDARD, SPACING PER AISC MANUAL OF STEEL CONSTRUCTION. DIRECT TENSION INDICATOR BOLTS SHALL BE PERMITTED. MINIMUM BOLT SIZE SHALL BE 3/4' DIAMETER UNLESS NOTED OTHERWISE
- UNLESS NOTED OTHERWISE, STRUCTURAL STEEL SHALL BE CLEANED TO SSPC-SP2 AND SHOP PAINTED WITH ONE COAT OF SHOP PRIMER PAINT. DRY PAINT THICKNESS SHALL BE A MINIMUM
- ANCHOR RODS SHALL CONFORM WITH ASTM 1554, UNLESS NOTED OTHERWISE, ANCHOR RODS SHALL HAVE A MINIMUM YIELD STRENGTH OF 36 KSL
- STEEL FABRICATOR SHALL PROVIDE COMPLETE ERECTION AND FABRICATION DRAWINGS SHOWING ALL MEMBERS AND CONNECTIONS.
- UNIESS NOTED OTHERWISE, ALL COLUMNS SHALL BE PLUMB AND ALL BEAMS SHALL BE LEVEL.

COATINGS

- 1. PRIMER SHALL BE A ZINC-RICH WELDABLE PRIMER, SUCH AS CARBOWELD, OR EQUAL, COLOR
- APPLY A COATING OF HIGH-BUILD EPOXY SUCH AS TNEMEC SERIES 69, OR EQUAL, AFTER COMPLETION OF ALL ALIGNMENT, RACKING, WELDING, BOLTING, ASSOCIATED INSPECTIONS, AND RESOLUTION OF ANY ISSUES RESULTING FROM INSPECTIONS, FOLLOW ALL MANUFACTURER'S PUBLISHED INSTRUCTIONS, SUBMIT COLOR SAMPLES TO OWNER FOR COLOR SELECTION.

CONSTRUCTION

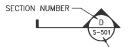
- THIS STRUCTURE HAS BEEN DESIGNED FOR THE WEIGHTS AND DIMENSIONS OF THE SPECIFIC TANKS LISTED HEREIN, SUBSTITUTIONS MAY REQUIRE REANALYSIS AND /OR REDESIGN OF THE STRUCTURE AND SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER. FAILURE TO COLLABORATE MAY RESULT IN UNSAFE STRUCTURAL LOADING, CONTRACTOR SHALL COORDINATE ALL ACTUAL MACHINE BASE PLATE AND BOLT HOLE LOCATIONS WITH DESIGN BEAM
- 2. THE REFERENCE ELEVATION FOR THIS WORK IS TAKEN AS 0.00' AT THE TOP OF THE EXISTING FLOOR SLAB IN THE WORK AREA SHOWN ON THE DRAWINGS
- STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED SO AS TO AVOID INTERFERENCE WITH EXISTING BUILDING FRAMING AND SUPPORT STRUCTURES
- 4. ALL DIMENSIONS ARE TO CENTERLINE OF STEEL UNLESS OTHERWISE NOTED.

BACKFILI

- ALL BACKFILL SHALL BE PLACED USING SOILS APPROVED BY THE GEOTECHNICAL ENGINEER AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS INDICATED HEREIN,
- EXCEPT WHERE NOTED OTHERWISE BACKFILL SHALL BE PLACED IN 8-INCH LOOSE LIFTS.
- PARTICULAR CARE SHALL BE EXERCISED WHERE BACKFILL IS PLACED ADJACENT TO WALLS AND INSIDE THE ZONE OF INFLUENCE, DEFINED AS A PLANE STARTING AT THE INTERSECTION OF THE FACE OF THE WALL AND THE TOP OF THE FOOTING AND SLOPING UPWARD AT A SLOPE OF 1.5 HORIZONTAL TO 1.0 VERTICAL. INSIDE THE ZONE OF INFLUENCE, BACKFILL SHALL BE PLACED IN -INCH LOOSE LIFTS AND COMPACTED WITH EQUIPMENT WEIGHING NO MORE THAN 2000 POUNDS.

LEGEND:





INDICATES SECTION INDICATOR

SECTION LOCATION SHEET

DETAIL LOCATION SHEET -

SECTION/DETAIL IDENTIFIER **SECTION** INDICATES SECTION/DETAIL TITLE S-101

REGULATIONS AND CODES

- ALL WORK SHALL PROCEED IN ACCORDANCE WITH CURRENT FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, AND ORDINANCES, AND WITH CURRENTLY ADOPTED CODES. INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- INTERNATIONAL BUILDING CODE (IBC).

OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR GENERAL INDUSTRY (29 CFR

OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR THE CONSTRUCTION INDUSTRY (29 CFR PART 1926). LOCAL CITY AND COUNTY CODES, ORDINANCES, AND REGULATIONS

LOCAL AMENDMENTS TO ADOPTED NATIONAL AND INTERNATIONAL CODES, INTERNAL PROCEDURES AND PROGRAMS ADMINISTERED BY THE OWNER. CODES PERTAINING TO SPECIFIC MATERIALS AS INDICATED HEREIN AND IN THE ABOVE

UNLESS OTHERWISE NOTED, REFERENCES TO CODES IN THESE DRAWINGS ARE INTENDED TO INDICATE THE MOST RECENTLY PUBLISHED VERSION.

SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY AN APPROVED AGENCY (OR INDEPENDENT TESTING AGENCY OR SPECIAL INSPECTOR) WHO SHALL PERFORM SPECIAL INSPECTIONS FOR EACH OF THE CONSTRUCTION ACTIVITIES DESIGNATED HEREIN FOR SPECIAL INSPECTION. THE TESTING AGENCY OR SPECIAL INSPECTOR SHALL SUBMIT TO THE OWNER DOCUMENTATION CERTIFYING THE CORRECT INSTALLATION OF SUBJECT MATERIALS IN ACCORDANCE WITH TH CONSTRUCTION DOCUMENTS. SEE THE INTERNATIONAL BUILDING CODE (IBC) FOR FULL DETAILS CONCERNING SPECIAL INSPECTIONS. CONSTRUCTION ACTIVITIES WHICH REQUIRE SPECIAL INSPECTION ARE INDICATED IN THE ENCLOSED "SCHEDULE OF SPECIAL INSPECTIONS "

PRECONSTRUCTION MEETING

TWO WEEKS PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL CONTACT MR. GENE FARACH, P.E., PRINCIPAL ENGINEER, ALLANCE ENGINEERING, AT 410.636.9555 EXTENSION 210, TO SCHEDULE A PRECONSTRUCTION MEETING AT THE SITE. THE PRECONSTRUCTION MEETING SHALL BE CONDUCTED PRIOR TO THE START OF WORK. THE PURPOSE OF THE PRECONSTRUCTION MEETING WILL BE TO ENSURE THAT THE OWNER AND CONTRACTOR FULLY UNDERSTAND ALL CONSTRUCTION REQUIREMENTS, INSPECTION REQUIREMENTS, AND TESTING REQUIREMENTS; TO IDENTIFY ALL PERSONS WHO WILL BE PERFORMING SPECIAL INSPECTIONS; AND TO ADDRESS ANY QUESTIONS CONCERNING DESIGN REQUIREMENTS, CONSTRUCTION REQUIREMENTS, AND INSPECTION REQUIREMENTS.

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE
AFF	ABOVE FINISH FLOOR
ANNO	AMEDICAN WEIDING COOLED

AMERICAN INSTITUTE OF STEEL CONSTRUCTION

BOT BOTTOM COL COLUMN CONC CONCRETE CONN CONNECTION

CONSTRUCTION JOINT DIMENSION **EXISTING**

ELEVATION ELEV ELEVATOR FACH EXP JT EXPANSION JOINT

FOOT OR FEET FLG FLANGE FULL PENETRATION FAR SIDE

GRATING GWT GROUNDWATER TABLE GRADED AGGREGATE BASE

IN KSF KIPS PER SQUARE FOOT KIP MPH ONE THOUSAND POUNDS MILES PER HOUR

N/A NS OC PVC PSF NOT APPLICABLE NEAR SIDE ON CENTER POLYVINYL CHLORIDE

POUNDS PER SQUARE FOOT REINF REINFORCING RTU RET ROOF TOP UNIT

SHA STATE HIGHWAY ADMINISTRATION SCHED SCHEDULE

STL SECT SPCS TOS T&B SECTION SPACES TOP OF STEEL TOP AND BOTTOM TYP TYPICAL UON UNLESS OTHERWISE NOTED

VERTICAL

ALLIANCE CONSULTANTS. PC Richmond, VA ACAD FRE: 230324-S000.dwg LAST UPDATE: 5/17/06 CHK'D. BY: EF APP'D, BY EF AEI PROJECT NO: 06230324



Home & Personal Care - USA

100 Faberge Blvd., Raeford, NC 28376

RAEFORD, NORTH CAROLINA PLANT PROJECT NO. R5008L PROJECT MERLIN - PROCESS PLATFORM

GENERAL NOTES & SCHEDULES

AAB EF 3/6/06 AS NOTED R5008L-01-0-S000



CHECKED

NO. DATE DISC. BY DATE

REVISION

BY APP. NO. DATE

REVISION

BY APP. NO. DATE

A 3/6/2006

0 5/31/06

C 5/17/06

B 4/27/06

SECTION/DETAIL CUT LOCATION SHEET

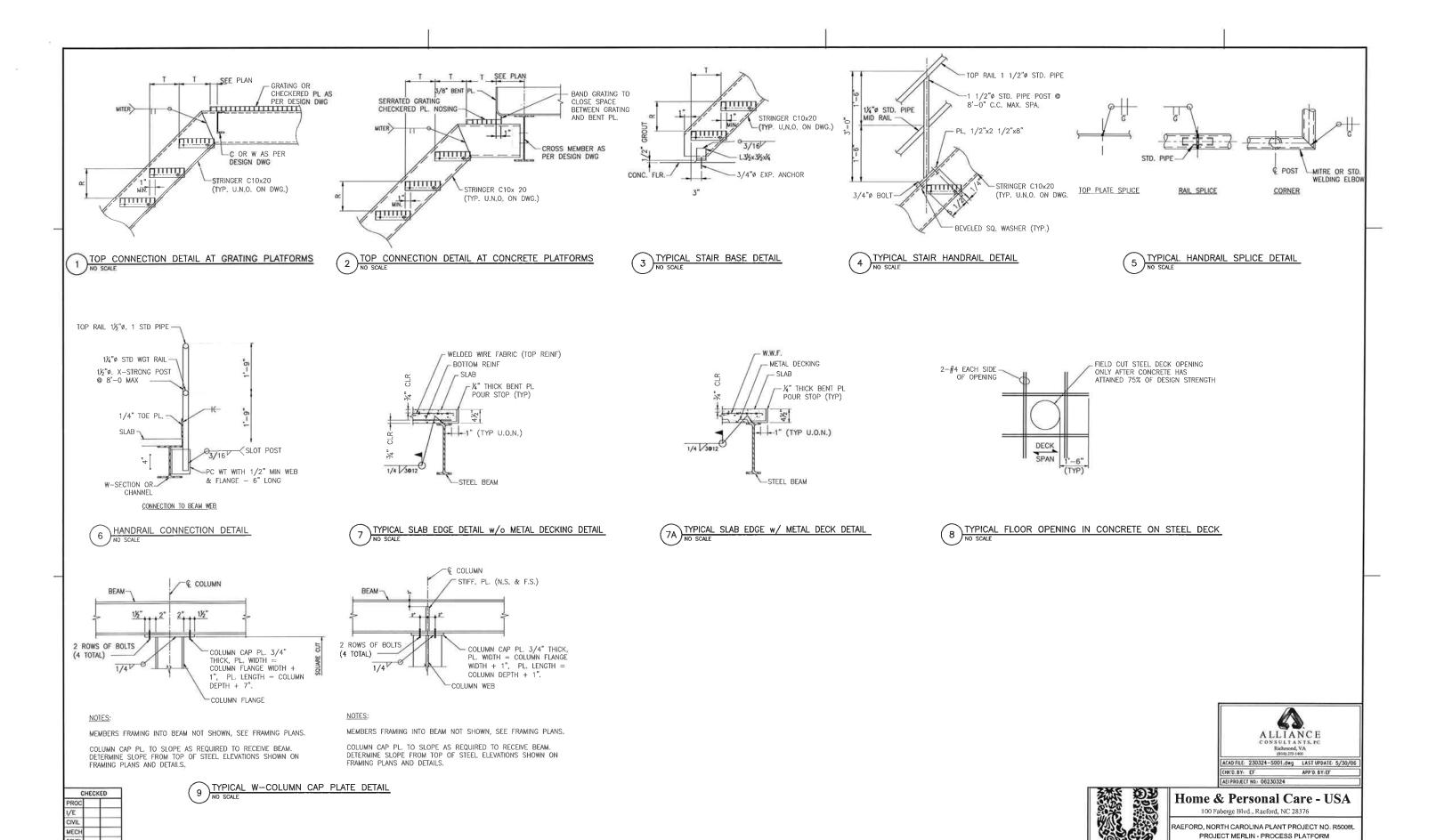
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AAB. EF. AAB. E.F. **ENGINEERING**



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A.A.B. E.F.

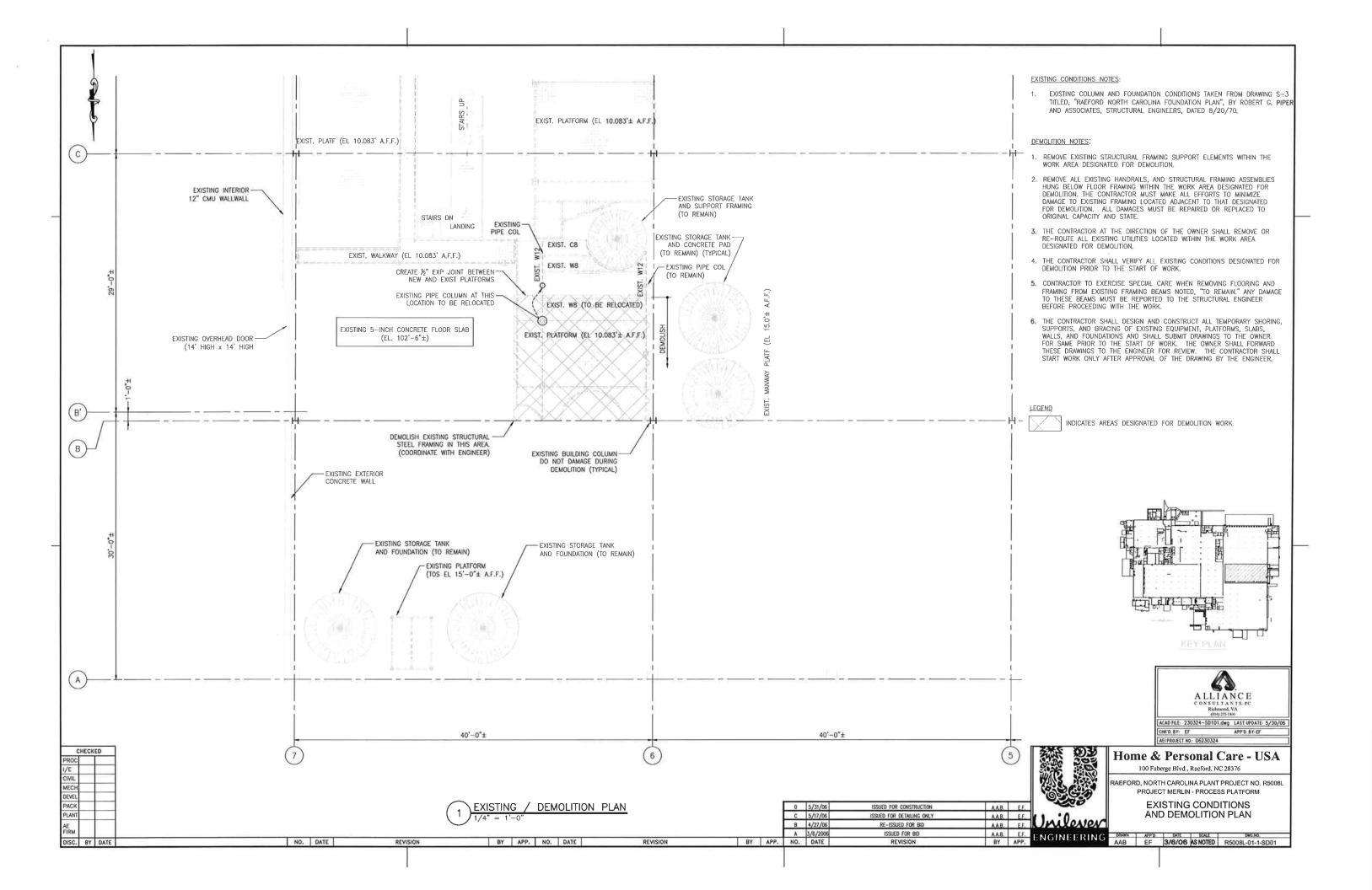
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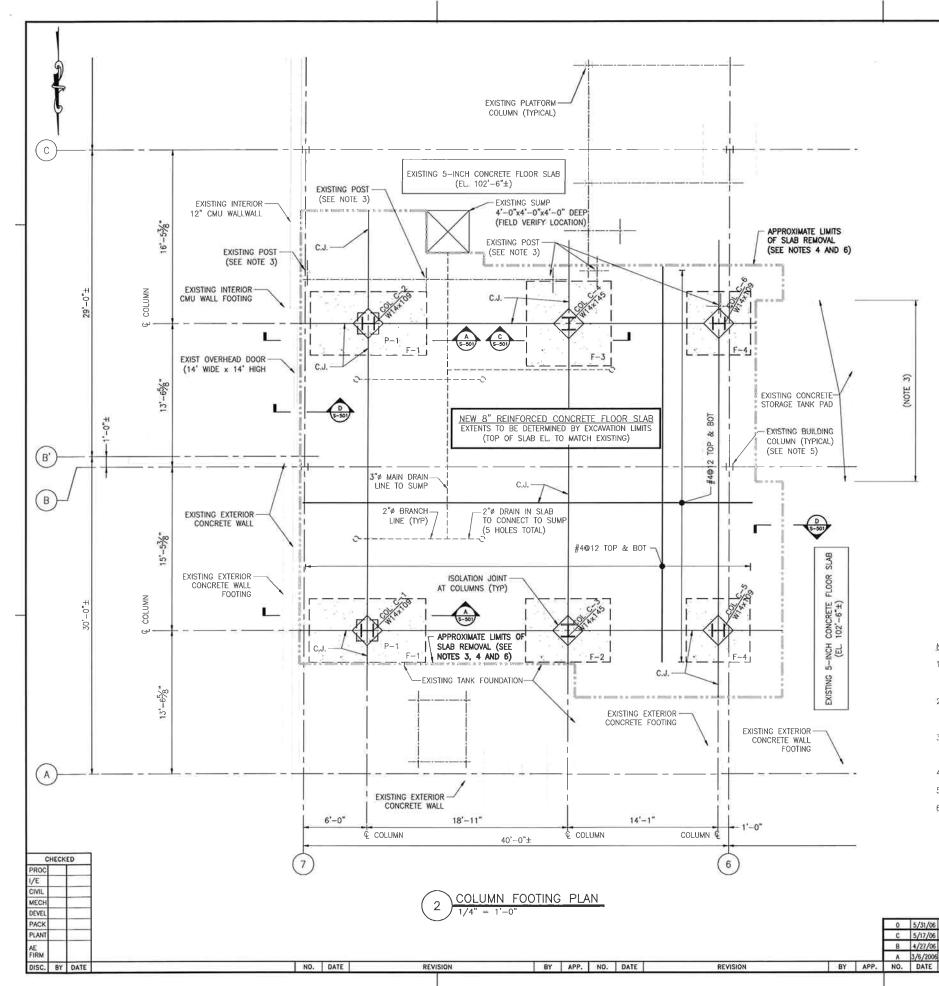
STRUCTURAL

TYPICAL STEEL DETAILS

ENGINEERING 600ANN APP'O DATE 50AE DWG.NO.

AAB EF 3/6/06 AS NOTED R5008L-01-1-S-001





	BASE	PLATE SCHEDULE	
MARK	SIZE	NUMBER OF BOLTS	REMARKS
COL C-1	1'-10"x1'-10"x1" THICK	4 w/ LEVELING NUTS	ON NON-SHRINK GROUT
COL C-2	1'-10"x1'-10"x1" THICK	4 w/ LEVELING NUTS	ON NON-SHRINK GROUT
COL C-3	1'-10"x1'-10"x1" THICK	4 w/ LEVELING NUTS	ON NON-SHRINK GROUT
COL C-4	1'-10"x1'-10"x1" THICK	4 w/ LEVELING NUTS	ON NON-SHRINK GROUT
COL C-5	1'-10"x1'-10"x1" THICK	4 w/ LEVELING NUTS	ON NON-SHRINK GROUT
COL C-6	1'-10"x1'-10"x1" THICK	4 w/ LEVELING NUTS	ON NON-SHRINK GROUT

CONCRETE PIER SCHEDULE					
MARK	SIZE	REINFORCING	REMARKS		
P-1	2'-6"x2'-6"x3'-1" DEEP	8-#6 VERT w/ #4 TIES	ALTERNATE TIES		

CONCRETE FOOTING SCHEDULE				
MARK	SIZE	REINFORCING	REMARKS	
F-1	6'-0"x11'-0"x1'-6" DEEP	12-#6 S.W./22-#5 L.W.	w/ PIER	
F-2	6'-0"x8'-0"x1'-6" DEEP	12-#5 S.W./16-#5 L.W.	NO PIER	
F-3	8'-0"x8'-0"x1'-6" DEEP	16#5 EACH WAY	NO PIER	
F4	6'-0"x6'-0"x1'-6" DEEP	12-#5 EACH WAY	NO PIER	

NOTES:

- EXISTING COLUMN AND FOUNDATION CONDITIONS TAKEN FROM DRAWING S-3 TITLED, "RAEFORD NORTH CAROLINA FOUNDATION PLAN", BY ROBERT G. PIPER AND ASSOCIATES, STRUCTURAL ENGINEERS, DATED 8/20/70.
- 2. ALL CONCRETE FOR FOOTING AND SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, AND MAXIMUM WATER/CEMENT RATIO OF
- CONTRACTOR SHALL PROVIDE TEMPORARY SHORING TO PREVENT DISTURBANCE TO OR MOVEMENT OF ALL EXISTING EQUIPMENT AND FACILITIES. COORDINATE WITH OWNER DURING PRECONSTRUCTION MEETING.
- WHERE SPACE ALLOWS, REMOVE EXISTING SLAB AND SLOPE EXCAVATION AT 2H:1V.
- DO NOT DISTURB OR UNDERMINE EXISTING BUILDING COMPONENTS.

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CONTRACTOR SHALL EXTEND NEW 8-INCH SLAB TO LIMITS OF ACTUAL SLAB REMOVAL.







Home & Personal Care - USA

100 Faberge Blvd., Raeford, NC 28376

RAEFORD, NORTH CAROLINA PLANT PROJECT NO. R5008L PROJECT MERLIN - PROCESS PLATFORM

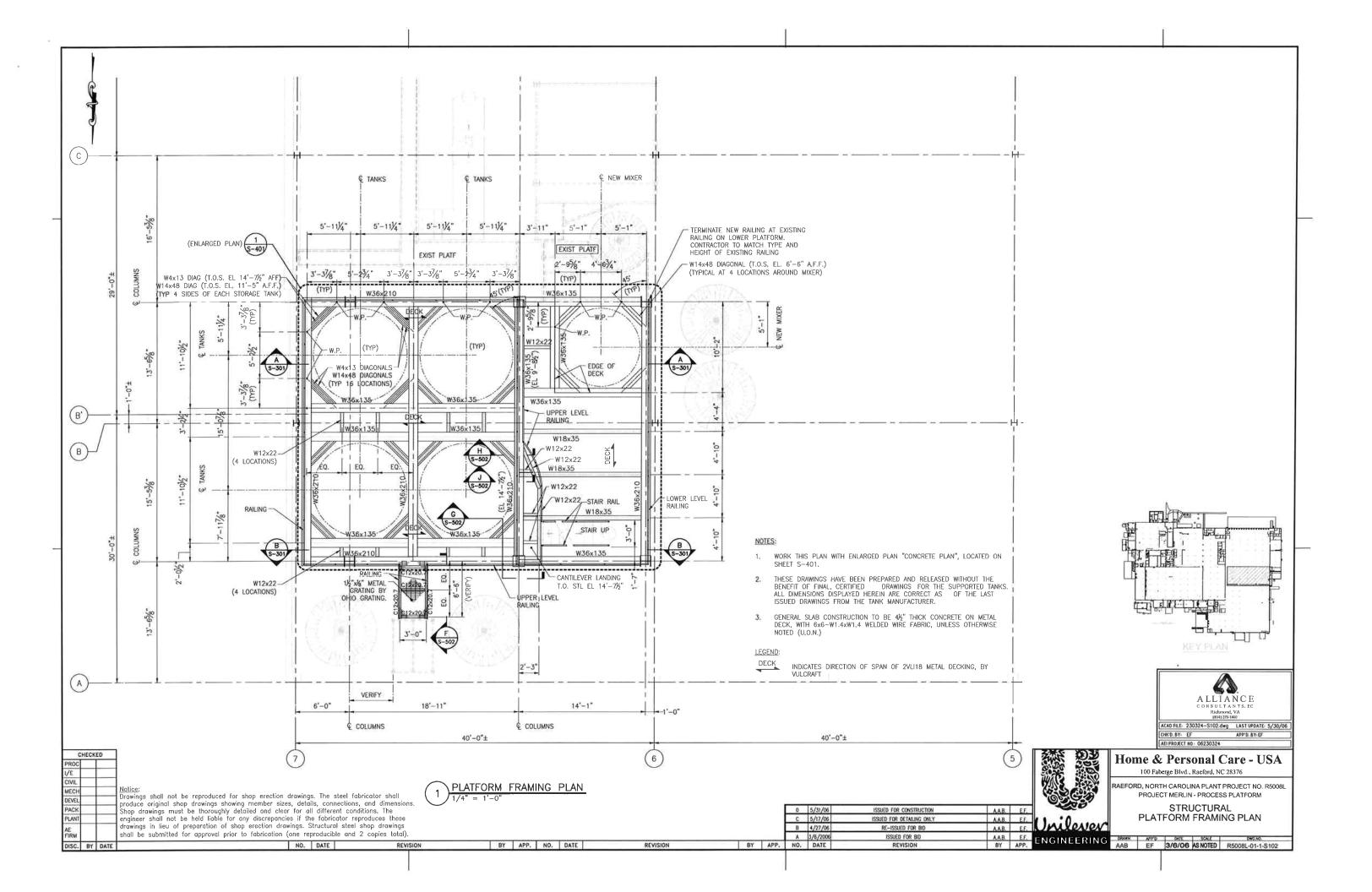
COLUMN FOOTING PLAN

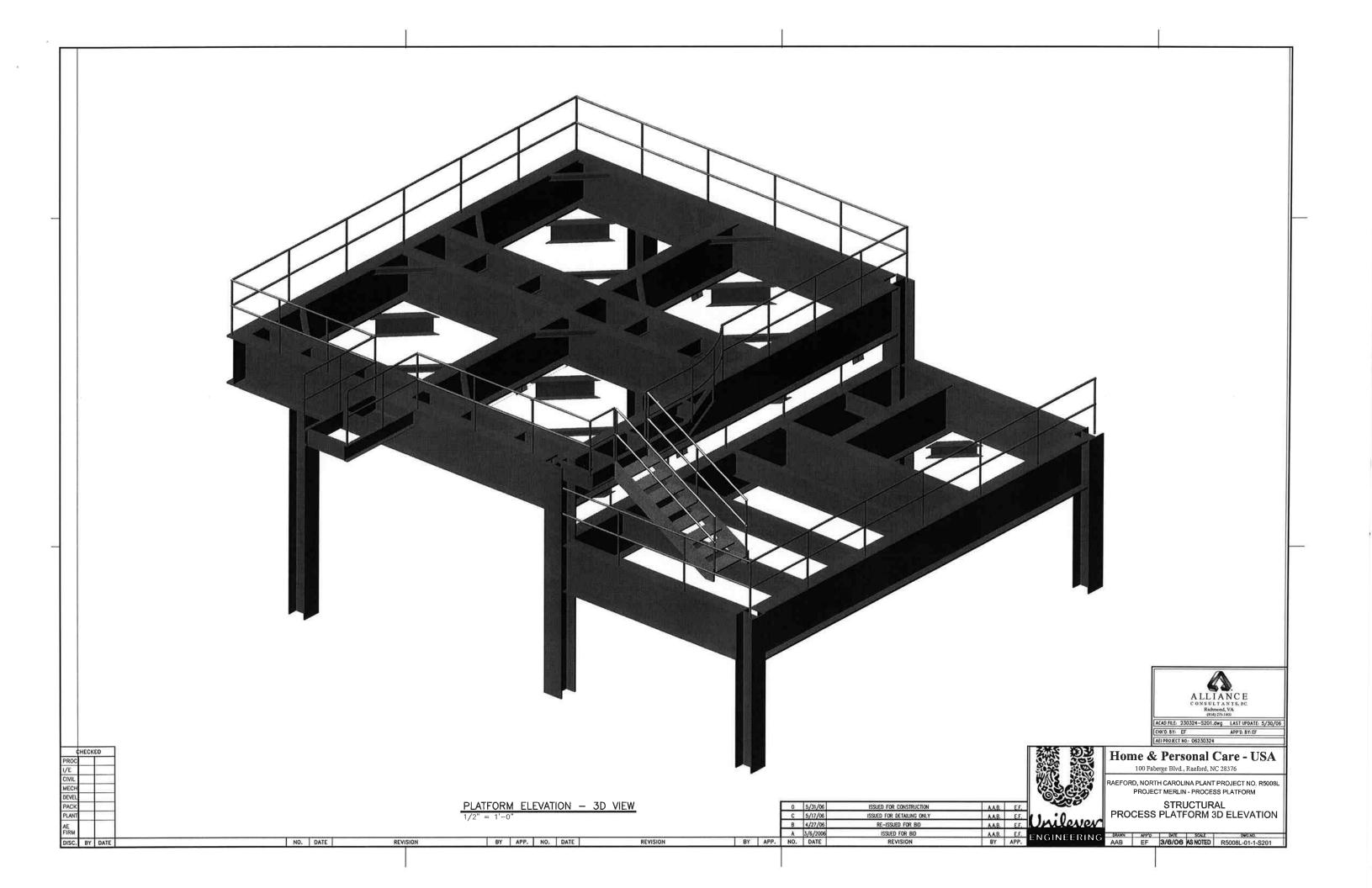
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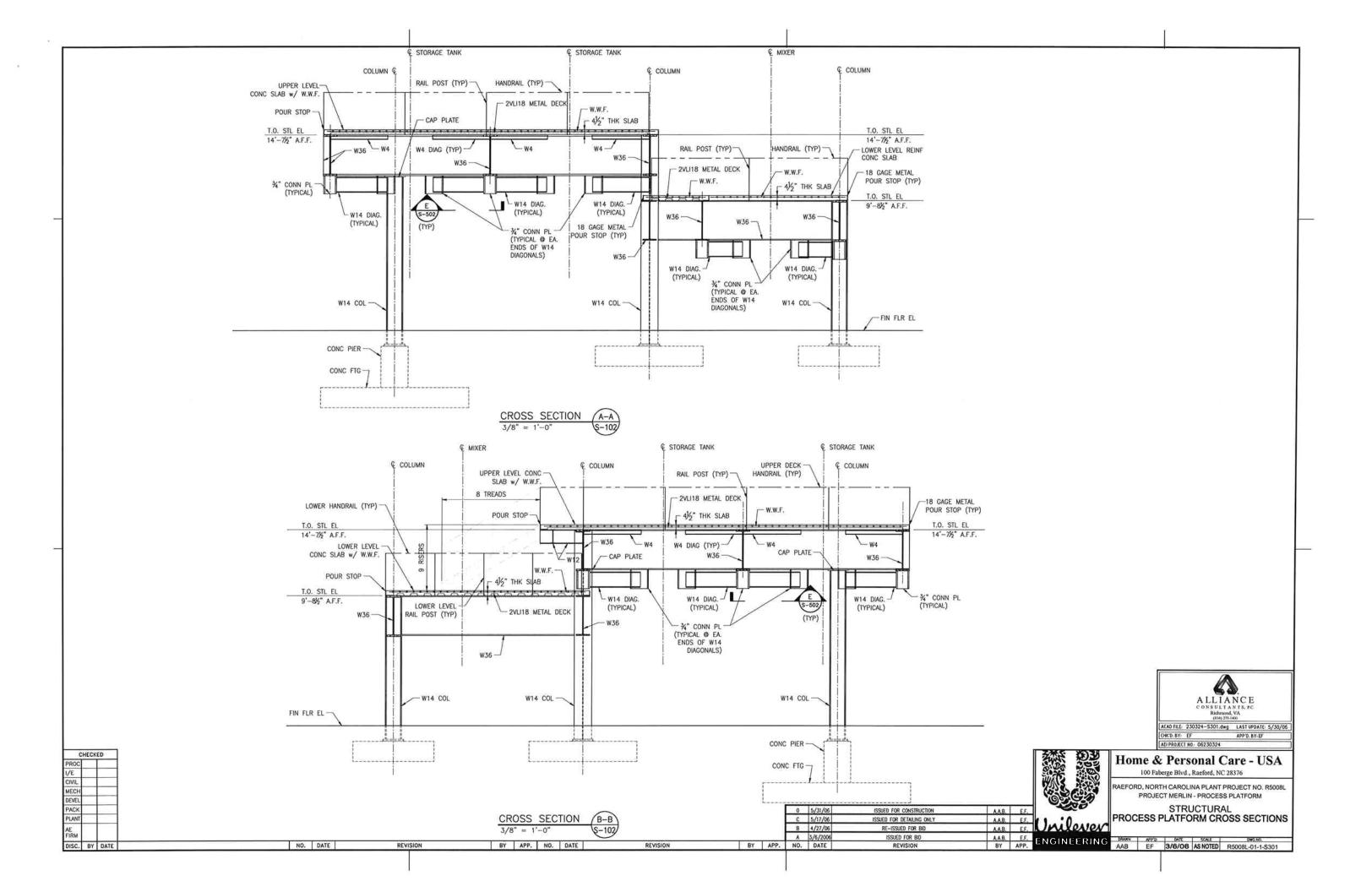
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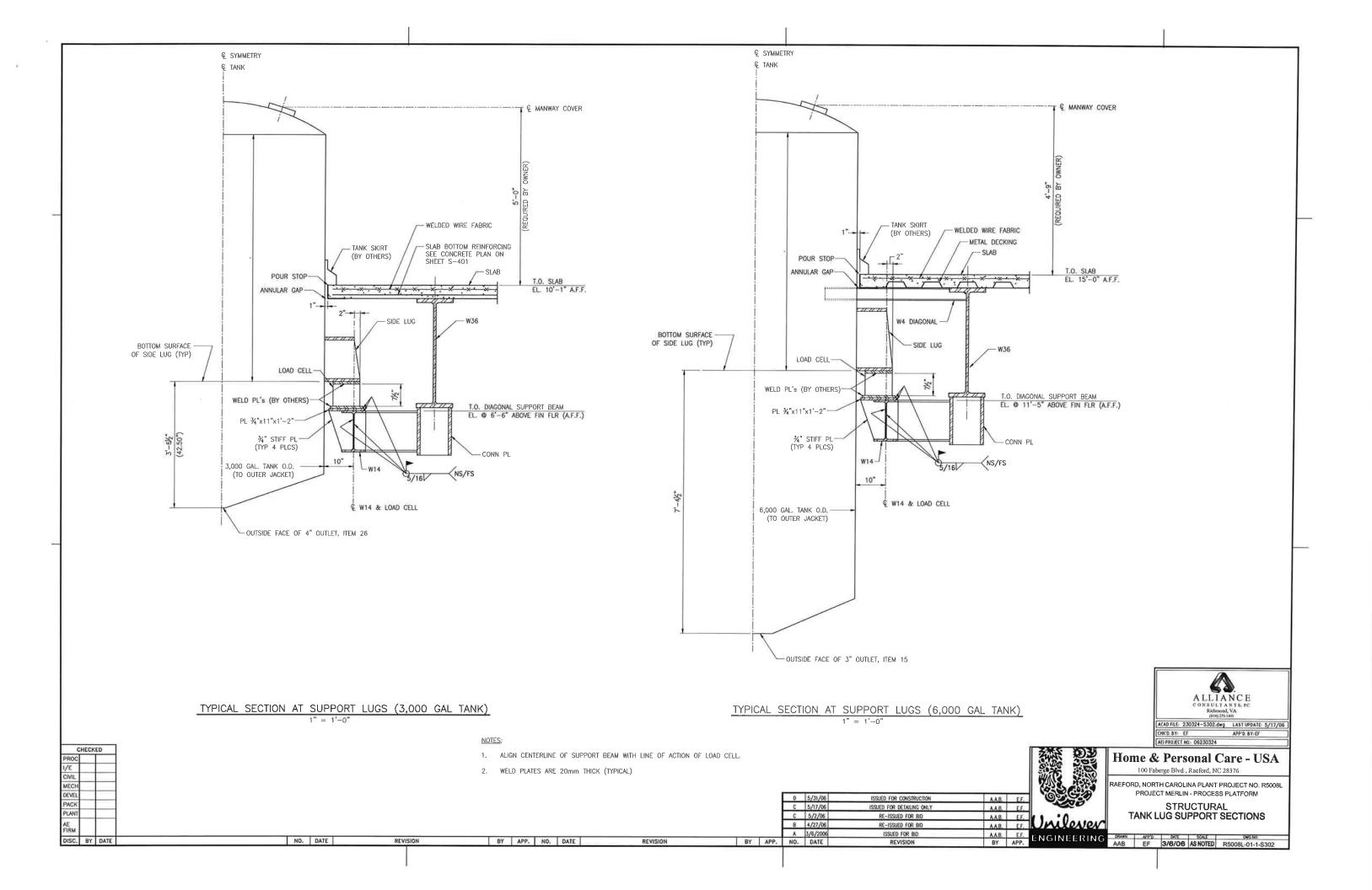
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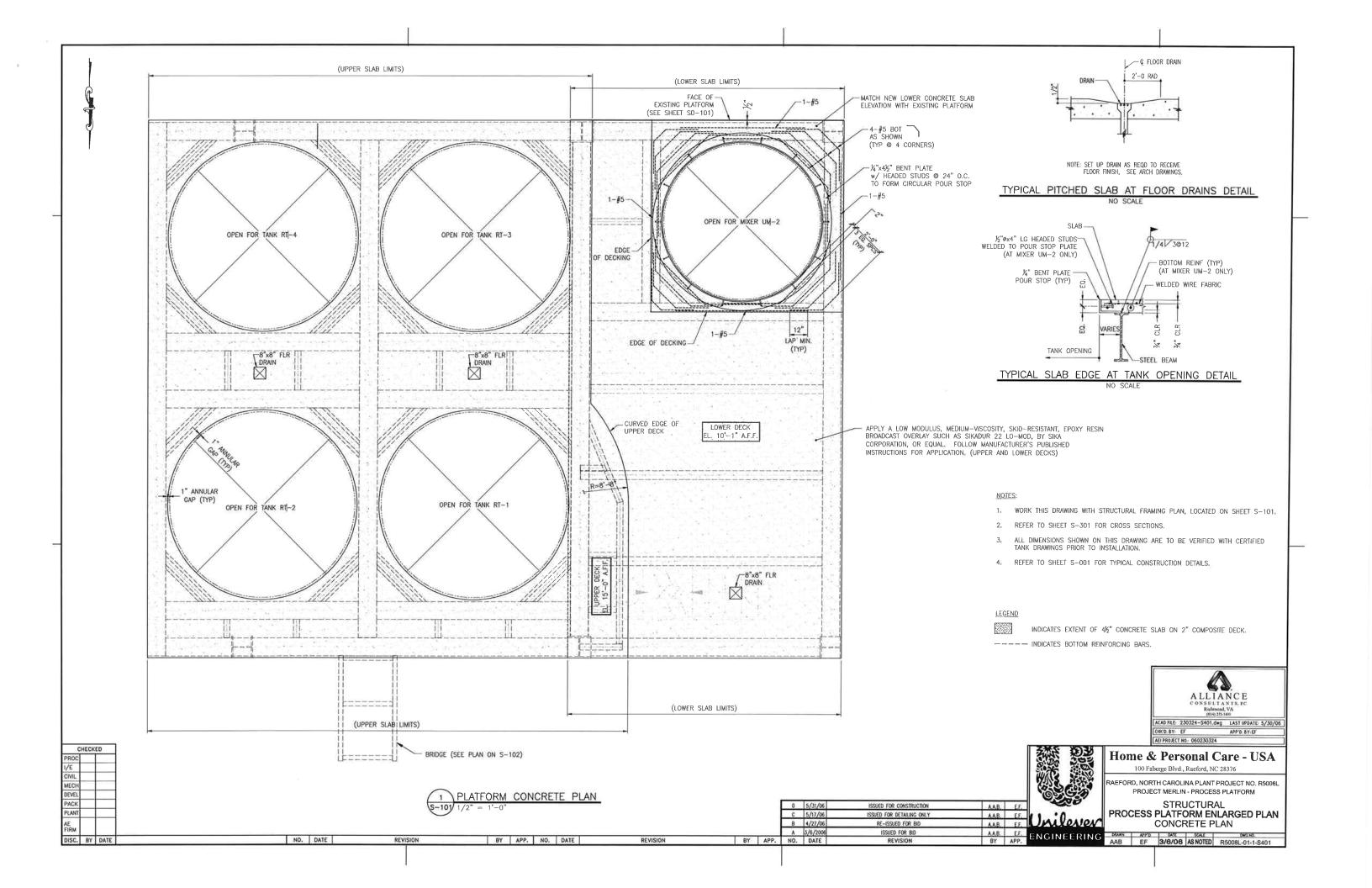
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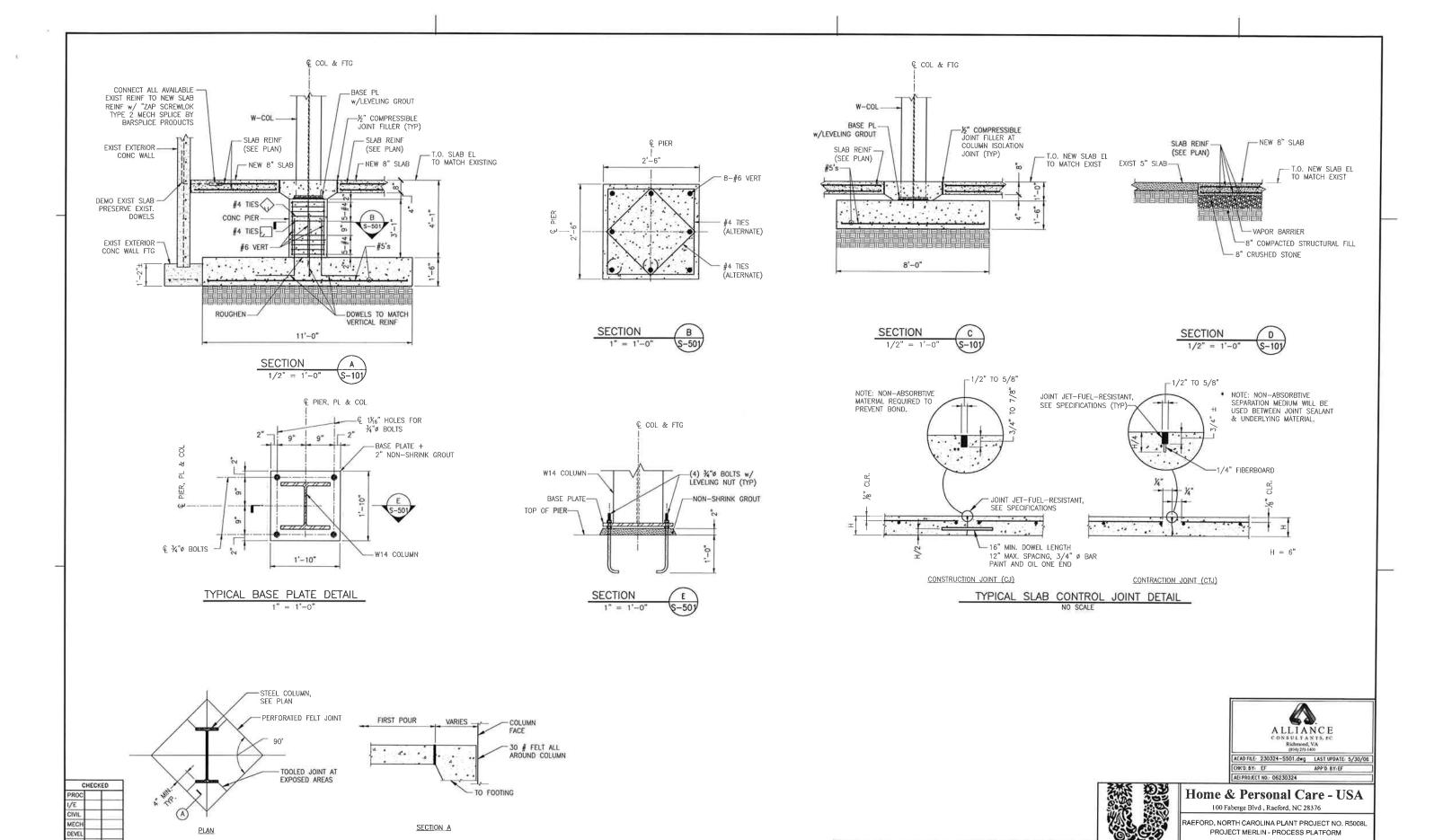












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ENGINEERING

STRUCTURAL

CONCRETE SECTIONS AND DETAILS

AAB EF 3/6/06 AS NOTED R5008L-01-0-S501

TYPICAL FLOOR ISOLATION JOINT AT COLUMN

NO SCALE

NO. DATE

DISC. BY DATE

REVISION

BY APP. NO. DATE

