GENERAL NOTES

GENERAL NOTES

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- THE CONSTRUCTION MANAGER SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE BEFORE ORDERING ANY MATERIALS AND BEGINNING ANY WORK, THE CONSTRUCTION MANAGER SHALL FIELD SURVEY AND ESTABLISH THE EXISTING BUILDING DIMENSIONS WHERE NEW CONSTRUCTION ABUTS EXISTING BUILDINGS. THIS FIELD SURVEY SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO THE FOLLOWING: DIMENSIONS OF EXISTING BUILDING FACE INCLUDING ALL FENESTRATIONS, PROJECTIONS, ETC, PLUMBNESS OF WALLS, FLOOR AND ROOF ELEVATIONS, AND ALL OTHER PERTINENT DIMENSIONS. THIS FIELD SURVEY SHALL BE FOR THE USE BY ALL CONTRACTORS AND SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR RECORD ONLY.
- THE CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR ALL WORK AND COORDINATION INVOLVED TO PROVIDE ALL OPENINGS SHOWN ON THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. CONSTRUCTION MANAGER SHALL PROVIDE FRAMING AND ALL CONNECTIONS AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS. (NOTE - NOT ALL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS.)
- ALL CONTRACTORS SHALL BE RESPONSIBLE TO ENSURE PROPER STORAGE OF MATERIAL IS MAINTAINED SO AS NOT TO CAUSE OVERLOADING OF THE EXISTING OR NEW STRUCTURE DURING PERFORMANCE OF THIS WORK. CONSTRUCTION MANAGER TO COORDINATE.
- ALL CONTRACTORS SHALL VERIFY AND/OR ESTABLISH ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE BEFORE ORDERING ANY MATERIAL AND COMMENCEMENT OF ANY WORK.
- IF THE EXISTING CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH HIS PROPOSED MODIFICATION TO THE DETAILS GIVEN ON THE CONTRACT DOCUMENTS. THE FINAL INSTALLATION SHALL BE DONE AS REQUIRED BY THE ENGINEER.
- ALL STRUCTURAL STEEL ANGLES ATTACHED TO THE STRUCTURAL STEEL TO SUPPORT THE ARCHITECTURAL BUILDING SKIN MATERIALS (METAL PANEL SYSTEM AND MASONRY, ETC.) NOT PART OF EACH WALL SYSTEM SHOWN ON STRUCTURAL AND/OR ARCHITECTURAL DRAWINGS ARE TO BE PROVIDED UNDER THE METAL FABRICATIONS SECTION 05500 OF THE SPECIFICATIONS. CONTRACTOR MUST COORDINATE DETAILS SHOWN ON STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS. CONSTRUCTION MANAGER SHALL BE RESPONSIBLE TO ASSIGN WHO FURNISHES AND INSTALLS ALL SUCH SUPPORTING ANGLES SHOWN ON THE DRAWINGS AND REQUIRED BY THE RESPECTIVE SUBCONTRACTORS AND/OR TRADES.
- THE CONTRACTOR SHALL VERIFY ALL OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE DIMENSIONS AND LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS AS WELL AS DRAWINGS OF OTHER TRADES PRIOR TO CONSTRUCTION.
- ALL NEW OPENINGS IN EXISTING CONCRETE FLOOR SLABS SHALL BE MADE USING A CONCRETE SAW. WHERE CUTS BECOME ROUGH THEY SHALL BE MADE CLEAN WITH EPOXY CONCRETE TO THE REQUIRED OPENING SIZE.
- THE CONTRACTOR TO COORDINATE ALL RELATED TRADE ACTIVITY REGARDING SHUT DOWNS, RE-ROUTING, TEMPORARY INSTALLATION, ETC. NECESSARY FOR THIS INSTALLATION WITH OWNER'S REPRESENTATIVE.
- 10. THE CONSTRUCTION MANAGER SHALL ESTABLISH SPECIFIC MEANS AND METHODS FOR INSTALLATION AND SHALL COORDINATE THE WORK FOR ALL CONTRACTORS AND COMPLY WITH OWNER'S REQUIREMENTS.
- COORDINATE WITH EQUIPMENT MANUFACTURERS FOR EXACT SIZE, LOCATION, ETC. OF PITS, CAST-IN ITEMS, WALLS, ETC. BEFORE LAYOUT, ORDERING ANY MATERIAL OR COMMENCEMENT OF ANY WORK.

CONCRETE NOTES

- ALL CONCRETE INCLUDING FOUNDATIONS, WALLS, PIERS, SLABS, BEAMS, PEDESTALS. EQUIPMENT PADS, SIDEWALKS, ETC. SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. ALL REINFORCING STEEL SHALL BE A615, GRADE 60 ALL MESH SHALL BE ASTM A185.
- ALL CONCRETE WORK SHALL BE CURED FOR A MINIMUM OF 7 DAYS IN ACCORDANCE WITH ACI STANDARDS.
- CONTRACTOR SHALL VERIFY THE DIMENSIONS OF AND INSTALL IN THE FORMS ALL SLOTS, SLEEVES, ANCHOR BOLTS, MASONRY ANCHORS, POCKETS, ETC. AS REQUIRED FOR OTHER TRADES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR CONCRETE EQUIPMENT PADS AND FOUNDATIONS REQUIRED.
- SEE SECTIONS AND DETAILS FOR ALL EQUIPMENT OPENINGS, DEPRESSIONS, ETC. CONTRACTOR SHALL COORDINATE EQUIPMENT REQUIREMENTS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.
- EXPANSION FASTENERS (BOLTS) INSTALLED TO EXISTING OR NEW CONCRETE CONSTRUCTION SHALL NOT BE INSTALLED CLOSER THAN 4 INCHES TO THE EDGE OF THE CONCRETE, AND MUST AVOID ANY REINFORCING.
- FOR ADDITIONAL REQUIREMENTS, SEE TYPICAL DETAILS AND THE SPECIFICATIONS.
- ALL EXTERIOR CONCRETE AT THE CONTAINMENT AREAS SHALL BE COATED WITH A POLYMER/VINYL ESTER LINING. SEE SPECIFICATION SECTION 096680.

FOUNDATION NOTES

- ALL FOOTINGS SHALL BEAR ON UNDISTURBED STRATUM HAVING A MINIMUM ALLOWABLE 1. BEARING PRESSURE OF 2000 PSF, VERIFIED IN THE FIELD BY A GEOTECHNICAL ENGINEER HIRED BY THE OWNER, UNLESS OTHERWISE NOTED.
- 2. ALL FOUNDATION ELEMENTS SHALL BE CENTERED ON THE COLUMN CENTERLINES, UNLESS OTHERWISE NOTED.
- 3. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING AS REQUIRED DURING THE EXCAVATION AND CONSTRUCTION OF THE FOUNDATION WORK INCLUDING PREVENTIVE
- 3. THE STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE SATISFACTORY BRACING OF THE MEASURES RELATED TO EXCAVATION STABILITY, SEE SPECIFICATIONS. EXISTING AND NEW STEEL FRAME UNTIL ALL NEW FRAMING AND THE METAL DECK IS ERECTED AND FINAL CONNECTIONS ARE COMPLETE AND THE CONCRETE SLABS ON METAL 4. BOTTOM OF NEW FOOTING ELEVATION INDICATED THUS (...) IN PLAN. BOTTOM OF EXISTING FOOTING ELEVATION INDICATED THUS (±...) IN PLAN. DECK ARE PLACED. ALL STRUCTURAL STEEL MEMBERS, I.E. SHELF ANGLES, CHANNELS, ETC. WHICH DIRECTLY ALL EXISTING UNDERGROUND UTILITIES IN THE AREA OF THE NEW CONSTRUCTION SHALL BE RELOCATED UNLESS OTHERWISE NOTED ON THE DRAWINGS BEFORE ANY NEW FOUNDATION SUPPORT THE ARCHITECTURAL BUILDING SKIN SHALL BE FABRICATED AND ERECTED TO WORK IS STARTED. EXISTING SITE ELEMENTS AND UTILITIES, MANHOLES, CATCH BASINS. WITHIN 3/16" OF THE THEORETICAL SUPPORT POSITION SHOWN ON THE CONTRACT DOCUMENTS. ALL SUCH MEMBERS WHICH BUTT SHALL HAVE THE SAME POSITION AT THE ETC. ADJACENT TO NEW CONSTRUCTION EXCAVATIONS SHALL BE PROTECTED BY SHEETING BUTT LINE TO ENSURE A CONTINUOUS SURFACE FOR SUPPORT ACROSS THE BUTT LINE. AND/OR SHORING. THIS PROTECTION SHALL BE PROVIDED AND DESIGNED BY THE CONSTRUCTION MANAGER AND HIS REGISTERED PROFESSIONAL ENGINEER, LICENSED IN THE COMMONWEALTH OF VIRGINIA WHO SHALL BE TOTALLY RESPONSIBLE FOR ITS DESIGN ALL SHIMS USED IN POSITIONING THE STRUCTURAL STEEL FOR SUPPORTING THE ARCHITECTURAL BUILDING SKIN SHALL BE FULL BEARING STEEL FINGER SHIMS AND UPON AND INSTALLATION. FINAL ALIGNMENT ALL SUCH SHIMS SHALL BE TACK WELDED TOGETHER AS WELL AS TO THE THE CONTRACTOR SHALL COORDINATE ALL FOUNDATION WORK WITH ALL UNDERGROUND CONFINING STEEL TOP AND BOTTOM. UTILITIES. ALL NEW UNDERGROUND UTILITIES OR PIPES SHALL NOT BE PLACED BELOW ALL STRUCTURAL STEEL DIRECTLY EXPOSED TO THE WEATHER SHALL BE HOT DIPPED SPREAD FOOTINGS. IF ANY SUCH CONDITION OCCURS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND DROP THE BOTTOM OF FOOTING TO CLEAR THE PIPE. GALVANIZED AND TOUCHED UP WITH ZRC WHERE ABRADED OR AFTER WELDING (SEE SPECIFICATIONS). CONTRACTOR SHALL COORDINATE ALL FOUNDATION WORK WITH ALL UNDERGROUND UTILITIES. EXTREME CARE SHALL BE TAKEN DURING EXCAVATION AND CONSTRUCTION OF MAIN SUPPORT MEMBERS FOR THE METAL DECK ARE SHOWN ON THE CONTRACT DRAWINGS. NEW FOUNDATION WORK SO AS NOT TO DISTURB THE EXISTING CONSTRUCTION AND DURING PREPARATION, SUBMISSION, AND REVIEW OF SHOP DRAWINGS ANY ADDITIONAL SUPPORT OR ATTACHMENT DETAILS REQUIRED TO ESTABLISH THE METAL DECK AT THE UTILITIES. REQUIRED ELEVATION SHALL BE PROVIDED BY THE STRUCTURAL STEEL CONTRACTOR AT NO ADDITIONAL COST. BACKFILL AGAINST WALLS SHALL FOLLOW THE CRITERIA NOTED. AS A MINIMUM, WALLS MUST HAVE REACHED THEIR 28 DAY DESIGN STRENGTH OR BE IN PLACE 14 DAYS, STRUCTURAL STEEL ERECTOR: NOTE THAT SEQUENCE OF ERECTION TO BE COORDINATED WHICHEVER IS LONGER. FOR EXTERIOR AND INTERIOR WALLS, BACKFILL SHALL BE PLACED 8. EVENLY ON BOTH SIDES TO THE FLOOR SUBGRADE LEVEL. EQUIPMENT USED TO COMPACT AS REQUIRED FOR AREAS SUPPORTED BY CANTILEVERS. ALL MOMENT CONNECTIONS THE BACKFILL WILL BE SUCH AS TO LIMIT PRESSURES ON THE WALLS TO THE DESIGN AND/OR OTHER CONNECTIONS FOR CANTILEVERED FRAMING SHALL HAVE TEMPORARY BRACING AND SUPPORT OF CANTILEVER FRAMING UNTIL ALL FINAL CONNECTIONS ARE VALUES AND TO BE REVIEWED AND ACCEPTED BY THE OWNER'S GEOTECHNICAL ENGINEER. COMPLETED AND INSPECTED BY THE TESTING AND INSPECTION AGENCY, AND THE RESULTS PROVIDE STANDARD STEEL PIPE SLEEVES FOR ALL PIPES PASSING THROUGH NEW ACCEPTED PRIOR TO ERECTING FRAMING SUPPORTED BY THE CANTILEVER ENDS. 9.

- CONCRETE WALLS AND NEATLY CORED HOLES A MINIMUM OF ONE PIPE SIZE LARGER THAN NEW PIPE THROUGH EXISTING CONCRETE WALLS WHERE SHOWN ON THE DRAWINGS. COORDINATE CORED HOLES WITH SEALANT, ETC., REQUIREMENTS WITH RELATED SPECIFICATIONS. SEE TYPICAL DETAIL ON DRAWING \$5.6.
- WHERE THE EXCAVATION FOR SERVICE LINE TRENCHES IS LOWER THAN AND CLOSER THAN 10. A 1.5H:1V SLOPE TO THE BOTTOM OF A NEW OR EXISTING COLUMN OR WALL FOOTING. BACKFILL THE EXCAVATION WITH LEAN MIX CONCRETE. TOP OF FILL TO BE ON A 1.5H:1V SLOPE FROM BOTTOM OF ADJACENT FOUNDATIONS.
- 11. THE TEST BORINGS FOR THIS PROJECT WERE PERFORMED BY: GEOCONCEPTS ENGINEERING, INC 19955 HIGHLAND VISTA DRIVE **SUITE 170** ASHBURN, VA 20147 A COPY OF THE SOILS AND FOUNDATION INVESTIGATION ANALYSIS REPORT IS INCLUDED IN THE SPECIFICATION FOR INFORMATION ONLY.
- 12. FOR ADDITIONAL REQUIREMENTS SEE TYPICAL DETAILS AND THE SPECIFICATIONS.

MASONRY WALL NOTES

2

- ALL CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI WITH TYPE S MORTAR. (fm = 1500 PSI)
- PROVIDE TEMPORARY BRACING FOR MASONRY WALLS DURING ENTIRE ERECTION OF WALLS 2. AND UNTIL THE MORTAR HAS DEVELOPED ADEQUATE STRENGTH. TEMPORARY BRACES SHALL NOT BE REMOVED UNTIL AT LEAST 7 DAYS HAVE ELAPSED SINCE THE WALL WAS COMPLETELY ERECTED.
- ALL 8" MASONRY WALLS SHALL BE REINFORCED WITH #5@32" VERTICAL, MINIMUM, UNLESS NOTED OTHERWISE. DOWEL ALL MASONRY WALLS TO CONCRETE SLABS. DOWEL SIZE AND SPACING TO MATCH VERTICAL WALL REINFORCING.
- 4. PROVIDE CONTINUOUS BOND BEAMS AT THE FOLLOWING LOCATIONS: - WHERE INDICATED IN SECTIONS AND DETAILS ON THE DRAWINGS. - AT THE TOP OF ALL MASONRY WALLS (WITHIN TOP 2 COURSES)
 - AT EVERY 10'-0 O.C. OF MASONRY WALL HEIGHT. - AT THE TOP OF PARAPETS
 - AT THE TOP OF ALL MASONRY WALLS BELOW STRIP WINDOW SILLS. REINFORCE BOND BEAMS AS INDICATED, OR WITH 2-#5 CONTINUOUS MINIMUM.
- 5. FILL MASONRY WALL CORES CONTAINING REINFORCING WITH FINE GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. ALSO FILL CMU CORES UNDER COPING AND PRECAST BEARING (MAXIMUM TWO COURSES).
- 6. FOR ADDITIONAL REQUIREMENTS SEE TYPICAL DETAILS AND THE SPECIFICATIONS.

IBC 2006

DESIGN LIVE LOADS

ROOF DESIGN LIVE LOADS PROCESS SUPPORT BUILDING (PSB)

TYPICAL ROOF

GUARDHOUSE

SEE SPECIFICATIONS FOR LOADING C

SNOW LOADS

GROUND SNOW LOAD, FLAT ROOF SNOW LOAD, SNOW EXPOSURE FACTOR. SNOW LOAD IMPORTANCE FACTOR THERMAL FACTOR,

LATERAL LOADS - WIND

WIND LOAD DESIGN PARAMETERS:

BASIC WIND SPEED, WIND LOAD IMPORTANCE FACTOR WIND EXPOSURE INTERNAL PRESSURE COEFFICIENT,

PSB AND GUARDHOUSE

WIND LOAD ON STRUCTURAL FRAME:

HEIGHT 0 FEET TO 15 FEET

WIND LOADS ON COMPONENTS AND CLADD

COMPONENT LOCATION ** TYPICAL WALL WALL CORNERS TYPICAL ROOF **ROOF PERIMETER** ROOF CORNER PARAPET

LATERAL LOADS - SEISMIC

SEISMIC LOAD INFORMATION FOR STRUCTU SEISMIC OCCUPANCY CATEGORY

SEISMIC IMPORTANCE FACTOR, SHORT PERIOD MAPPED SPECTRAL RESP 1-SECOND MAPPED SPECTRAL RESPONSE LONG PERIOD TRANSITION PERIOD SITE CLASS SHORT PERIOD SPECTRAL RESPONSE CO

1-SECOND PERIOD SPECTRAL RESPONSE SEISMIC DESIGN CATEGORY, ANALYSIS PROCEDURE **RESPONSE MODIFICATION FACTOR,**

BASIC SEISMIC-FORCE-RESISTING SY SEISMIC RESPONSE COEFFICIENT APPROX. DESIGN BASE SHEAR

* LATERAL SYSTEM NOT REQUIRED RESISTANCE IN ACC AISI LATERAL.

STRUCTURAL STEEL NOTES

- ALL STRUCTURAL STEEL WIDE FLANGE MEMBERS TO BE ASTM A992 GRADE 50. ALL STRUCTURAL STEEL BASE PLATES AND MOMENT PLATES TO BE ASTM A572 GRADE 50. ALL HOLLOW STRUCTURAL STEEL MEMBERS SHALL BE ASTM A500 GRADE B. ALL STRUCTURAL STEEL ANGLES, CHANNELS AND OTHER PLATES TO BE A36.
- THE STRUCTURAL STEEL CONTRACTOR SHALL VERIFY IN THE FIELD BY A SURVEY ALL 2. EXISTING CONDITIONS CONNECTED WITH HIS WORK INCLUDING ANCHOR BOLT LOCATIONS PRIOR TO ORDERING ANY MATERIAL OR COMMENCEMENT OF ANY WORK.

- 9. ALL MASONRY AND BRICK ANCHORS SHALL BE SHOP WELDED TO THE STRUCTURAL STEEL FRAMING AND COLUMNS BY THE STRUCTURAL STEEL CONTRACTOR. SEE SPECIFICATIONS FOR SPACING ETC.
- 10. ANY FIELD WELDING TO ANY EXISTING JOIST OR OTHER THIN MEMBER SHALL BE PERFORMED WITH EXTREME CARE SO AS TO AVOID EXCESSIVE DAMAGE TO THE BASE METAL.

11. FOR ADDITIONAL REQUIREMENTS, SEE TYPICAL DETAILS AND THE SPECIFICATIONS.

METAL DECK NOTES

- ALL METAL DECK SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL DECK INSTITUTE (SDI).

SPECIAL INSPECTION NOTES

- SPECIAL INSPECTIONS ARE REQUIRED IN ACCORDANCE WITH IBC SECTION 1704
- A. INSPECTION OF EARTHWORK
- B. INSPECTION OF CAST IN PLACE CONCRETE / REINFORCEMENT INSPECTION OF STRUCTURAL STEEL C
- D. INSPECTION OF REINFORCED MASONRY

2. SEE SPECIFICATION SECTION 014100 FOR ADDITIONAL INSPECTION REQUIREMENTS.

METAL PANEL SYSTEM NOTES

- METAL PANEL SYSTEM MANUFACTURER SHALL COORDINATE, DESIGN, AND PROVIDE ALL GIRTS, TUBES AND OTHER SUPPORTS REQUIRED TO PROPERLY SUPPORT AND ATTACH THE METAL PANEL SYSTEM TO THE SUPERSTRUCTURE. DESIGN SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE COMMONWEALTH OF VIRGINIA
- METAL PANEL SYSTEM MANUFACTURER SHALL MAKE ALLOWANCES FOR ALL BUILDING TOLERANCES BEAM DEFLECTIONS AND TEMPERATURE EXPANSIONS WITH ALL CONNECTIONS AND SHALL COORDINATE WITH OTHER WALL SYSTEM CONTRACTORS AS REQUIRED.
- METAL PANEL SYSTEM MANUFACTURER IS RESPONSIBLE TO PROVIDE A BOND BREAKER 3. MATERIAL BETWEEN ALL CONNECTIONS OF ALUMINUM AND STRUCTURAL STEEL.
- THE DESIGN AND DETAILING OF THE METAL PANEL SYSTEM IS THE COMPLETE RESPONSIBILITY OF THE METAL PANEL SYSTEM MANUFACTURER. THE METAL PANEL SYSTEM SHALL BE DESIGNED TO MINIMIZE DEFLECTIONS AS REQUIRED BY THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND DIMENSIONS.
- FOR ADDITIONAL REQUIREMENTS, SEE TYPICAL DETAILS AND THE SPECIFICATIONS.

- 2. FOR ADDITIONAL INFORMATION SEE THE SPECIFICATIONS.

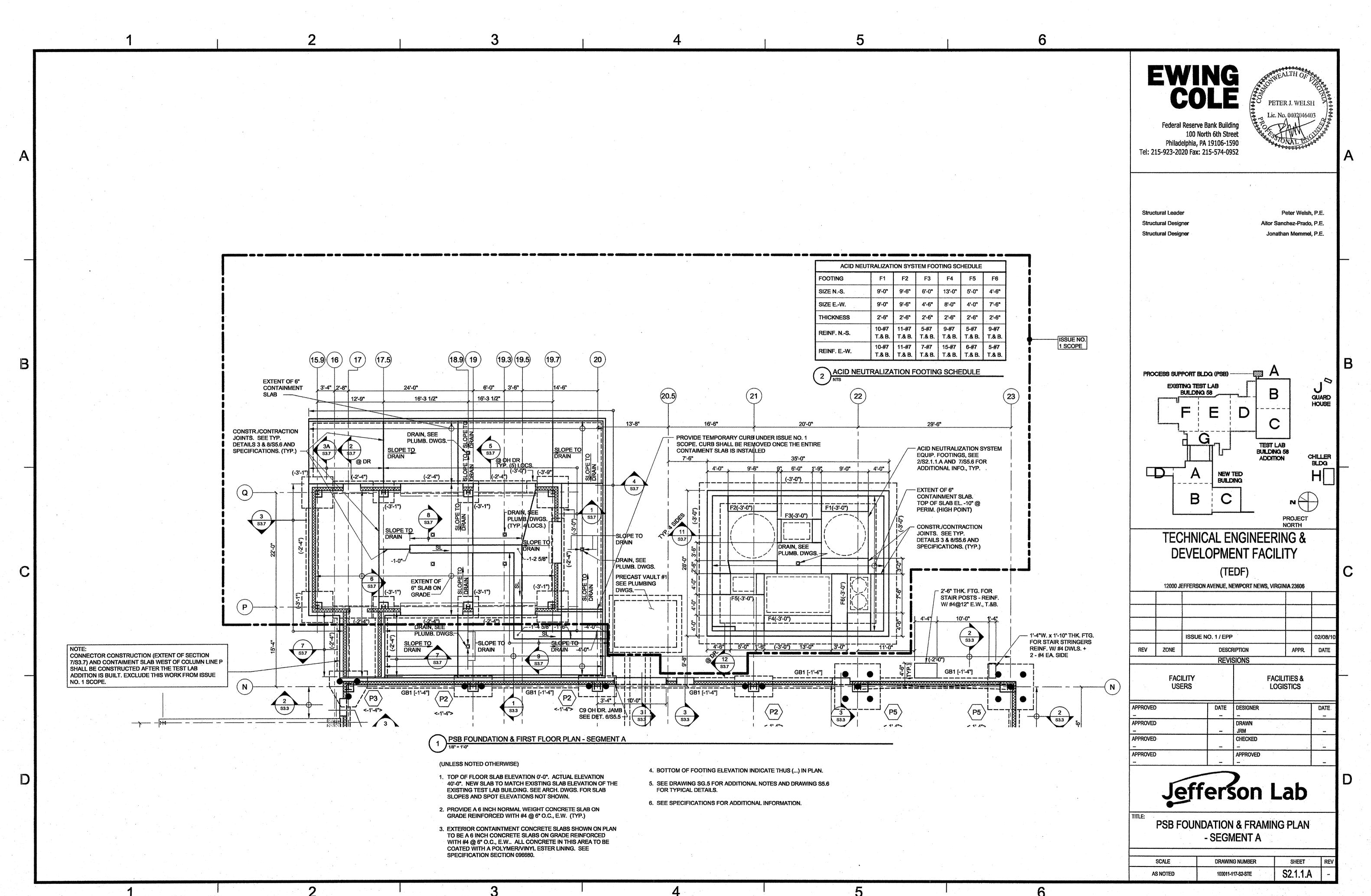
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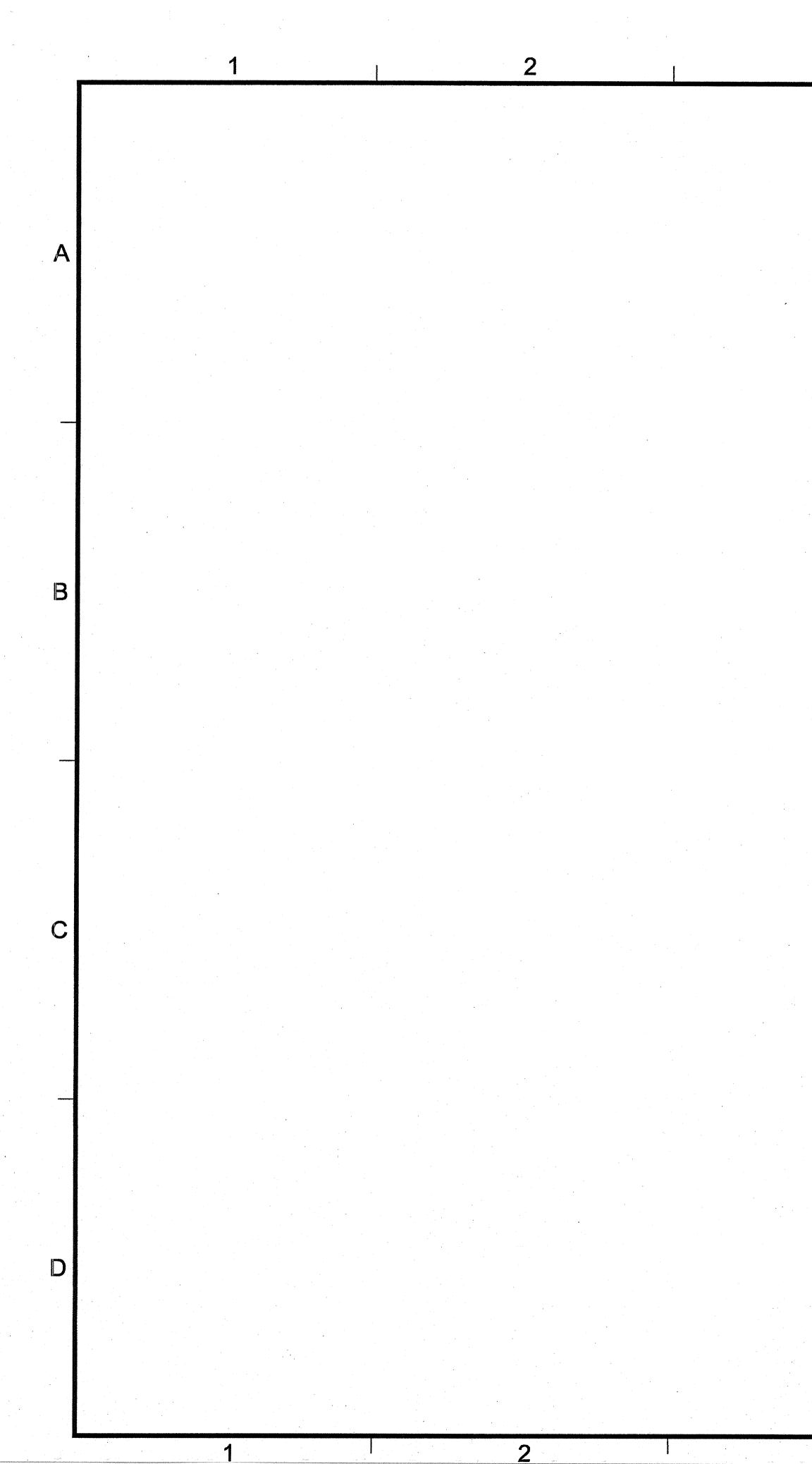
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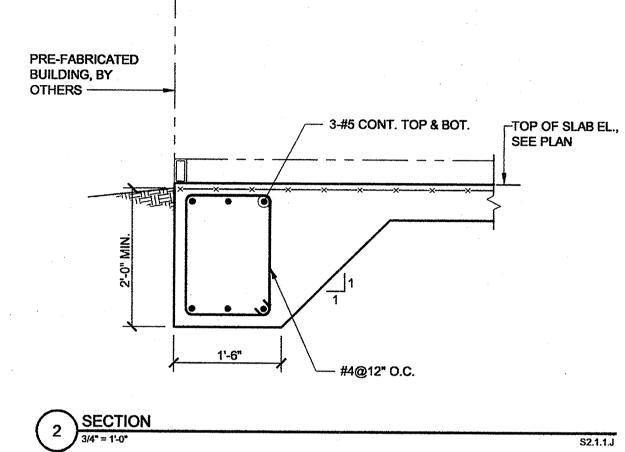
Peter Welsh, P.E. Aitor Sanchez-Prado, P.E. Jonathan Memmel, P.E B GUARD HOUSE ----TEST LAB BUILDING 58 CHILLEI ADDITION BLDG Ding NA PROJECT NORTH ENGINEERING 8 IENT FACILITY (EDF) **NEWPORT NEWS, VIRGINIA 23606** 02/08/1 DATE APPR. CRIPTION **/ISIONS FACILITIES &** LOGISTICS DATE DESIGNER DRAWN CHECKED. APPROVED son Lab RAL NOTES JE NO.1 SHEET ING NUMBER SG.5 N.T.S. 100011-116-S1-STE

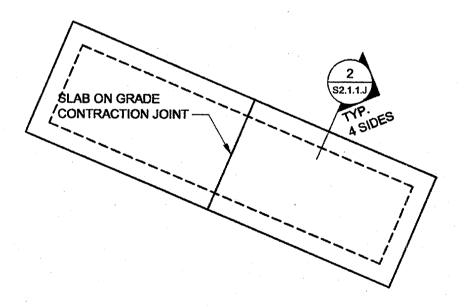
PETER J. WELSH

No. 040204640









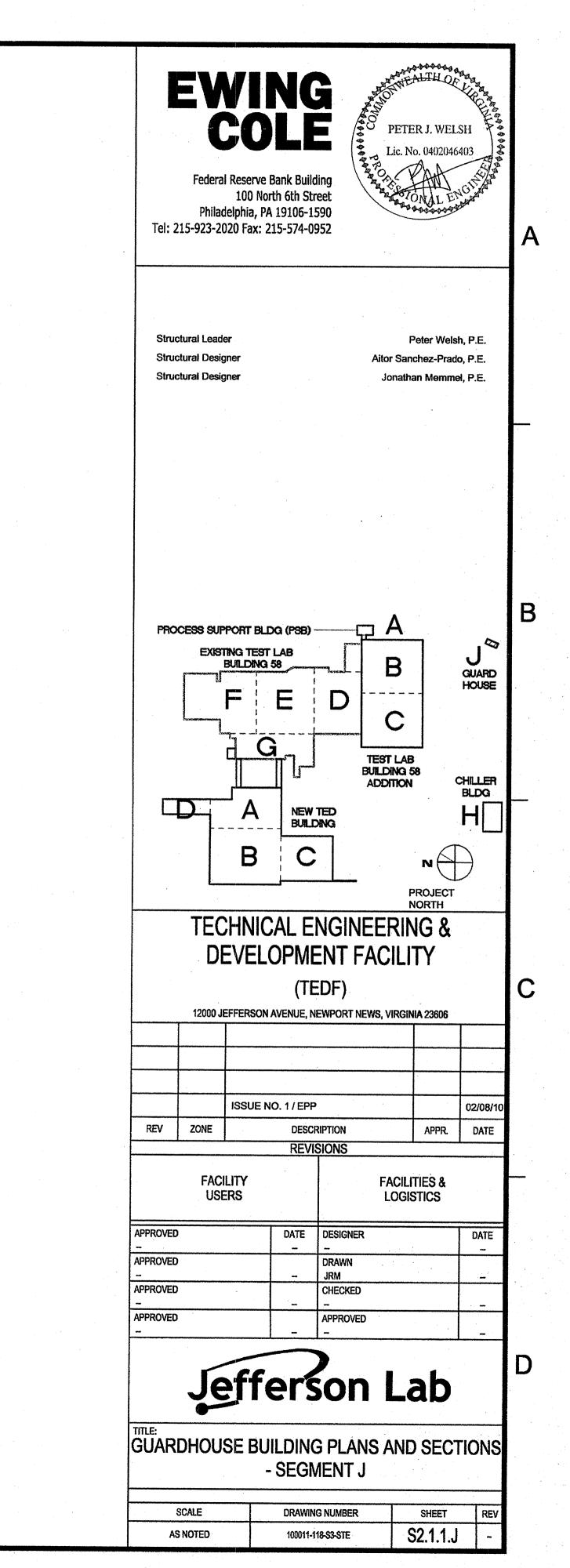
GUARDHOUSE FOUNDATION & FIRST FLOOR PLAN - SEGMENT J 1/8" = 1'-0"

(UNLESS NOTED OTHERWISE)

- 1. TOP OF FLOOR SLAB ELEVATION 0'-0". ACTUAL ELEVATION 36.07'.
- 2. PRE-FABRICATED BUILDING FOUNDATION IS SHOWN SCHEMATICALLY. FINAL LAYOUT AND ANCHORAGE INFORMATION SHALL BE PROVIDED TO EWINGCOLE FOR REVIEW.
- 3. PROVIDE A 5 INCH CONCRETE SLAB ON GRADE REINFORCED WITH 6x6-W5.5xW5.5 W.W.F. (TYP).
- 4. SEE DRAWING SG.5 FOR ADDITIONAL NOTES AND DRAWING S5.6 FOR TYPICAL DETAILS.
- 5. FABRICATED BUILDING MANUFACTURER TO DESIGN STRUCTURE, COMPONENTS AND ALL LATERAL FORCE RESISTING ELEMENTS.

6. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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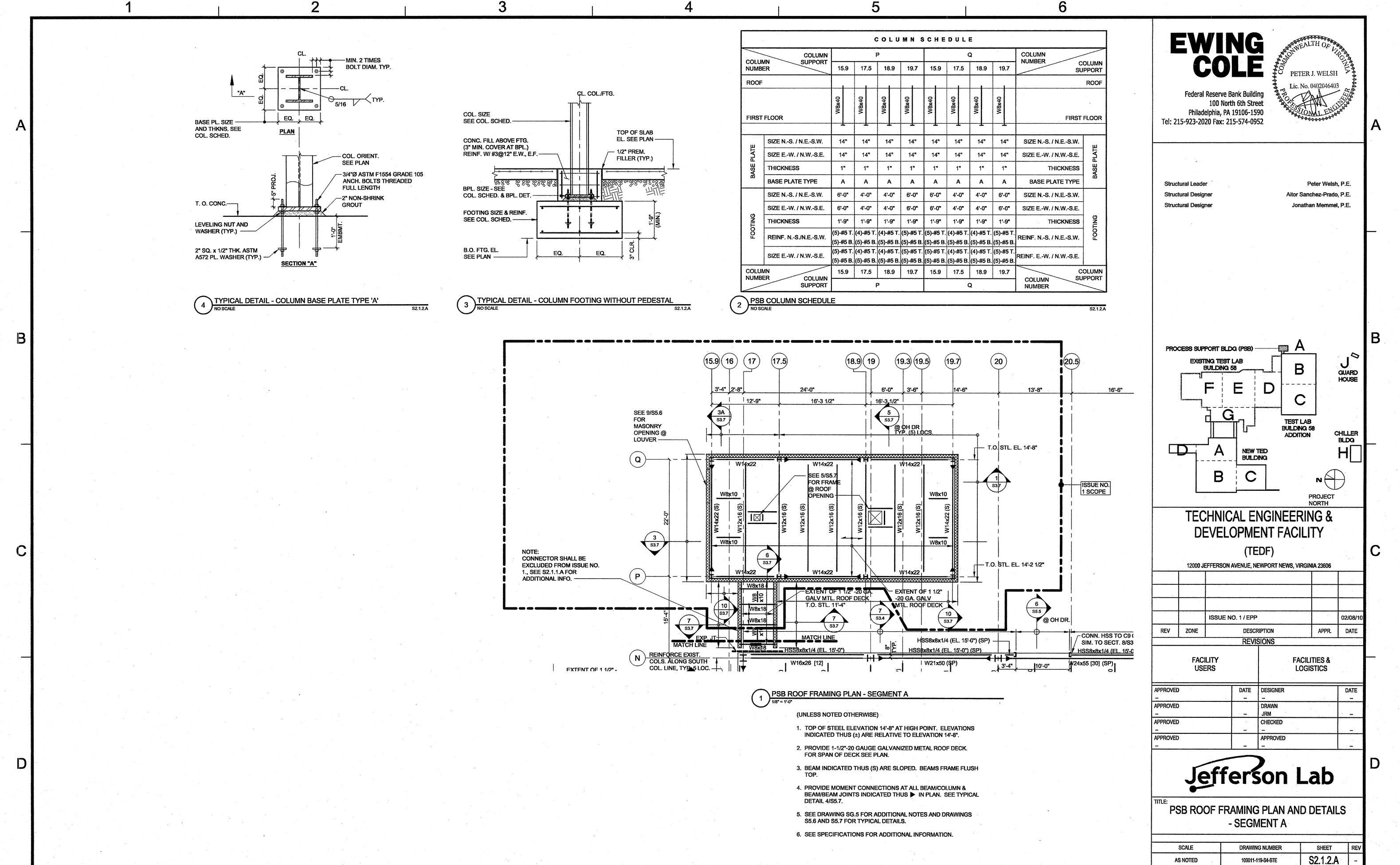


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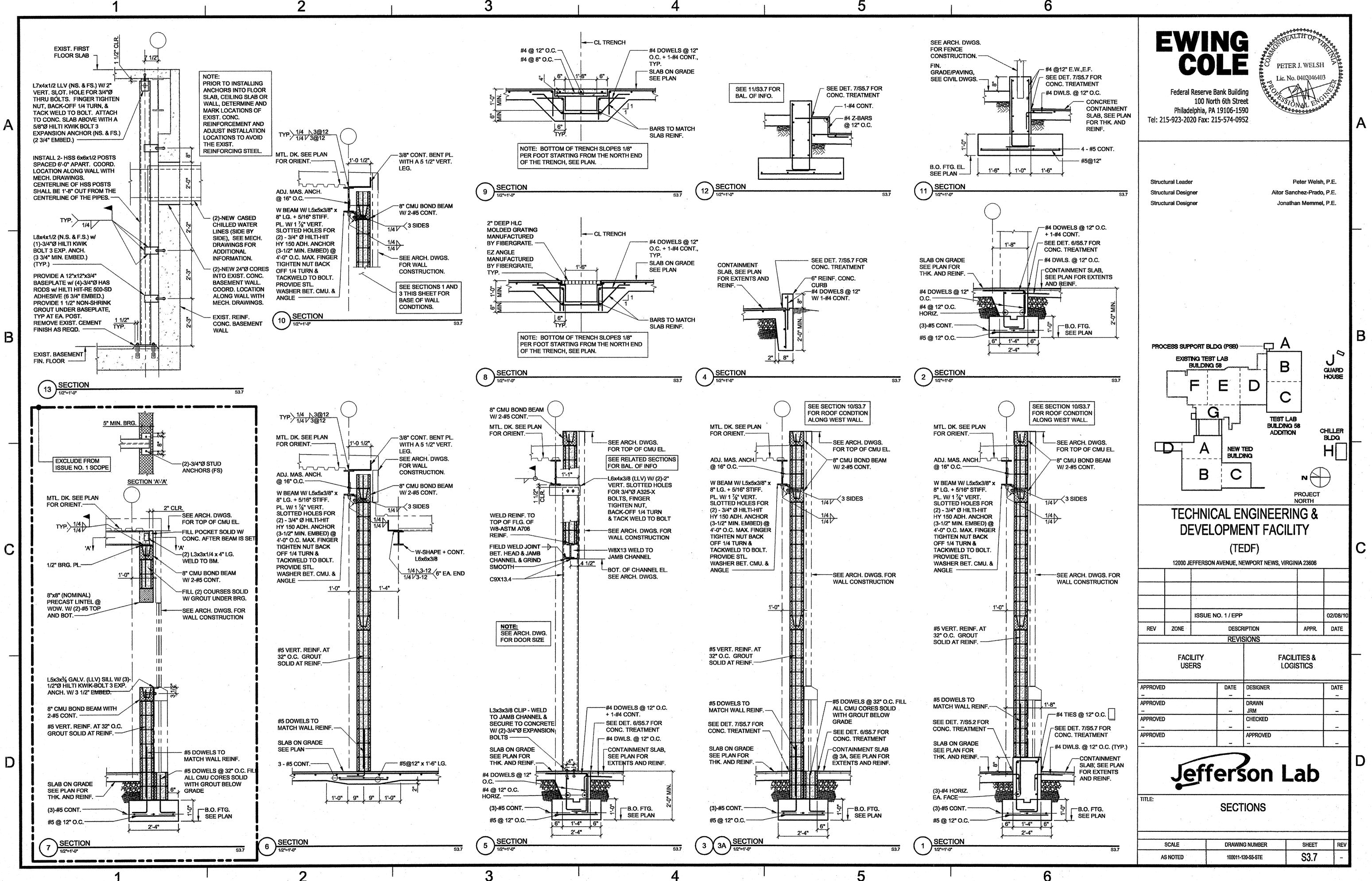
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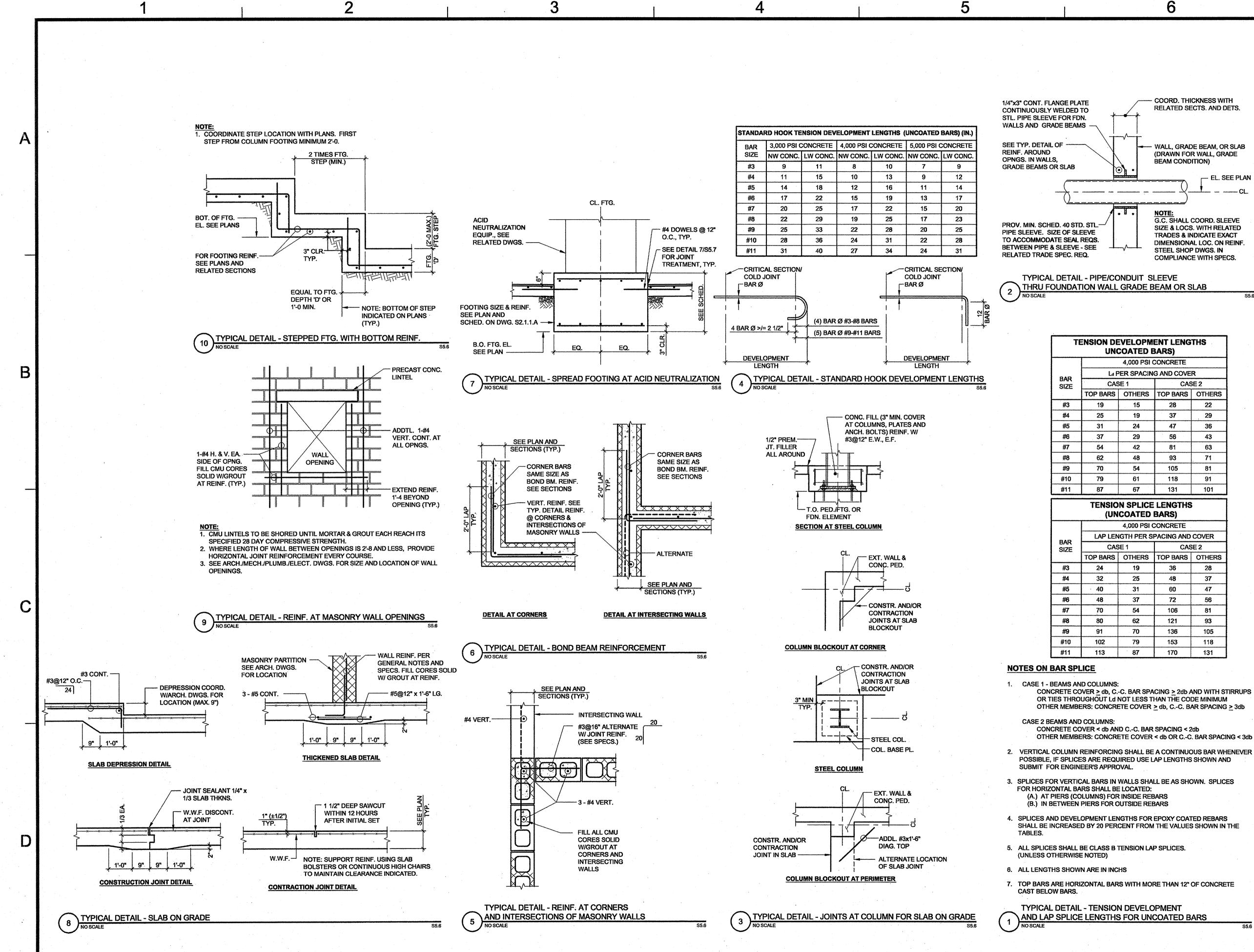
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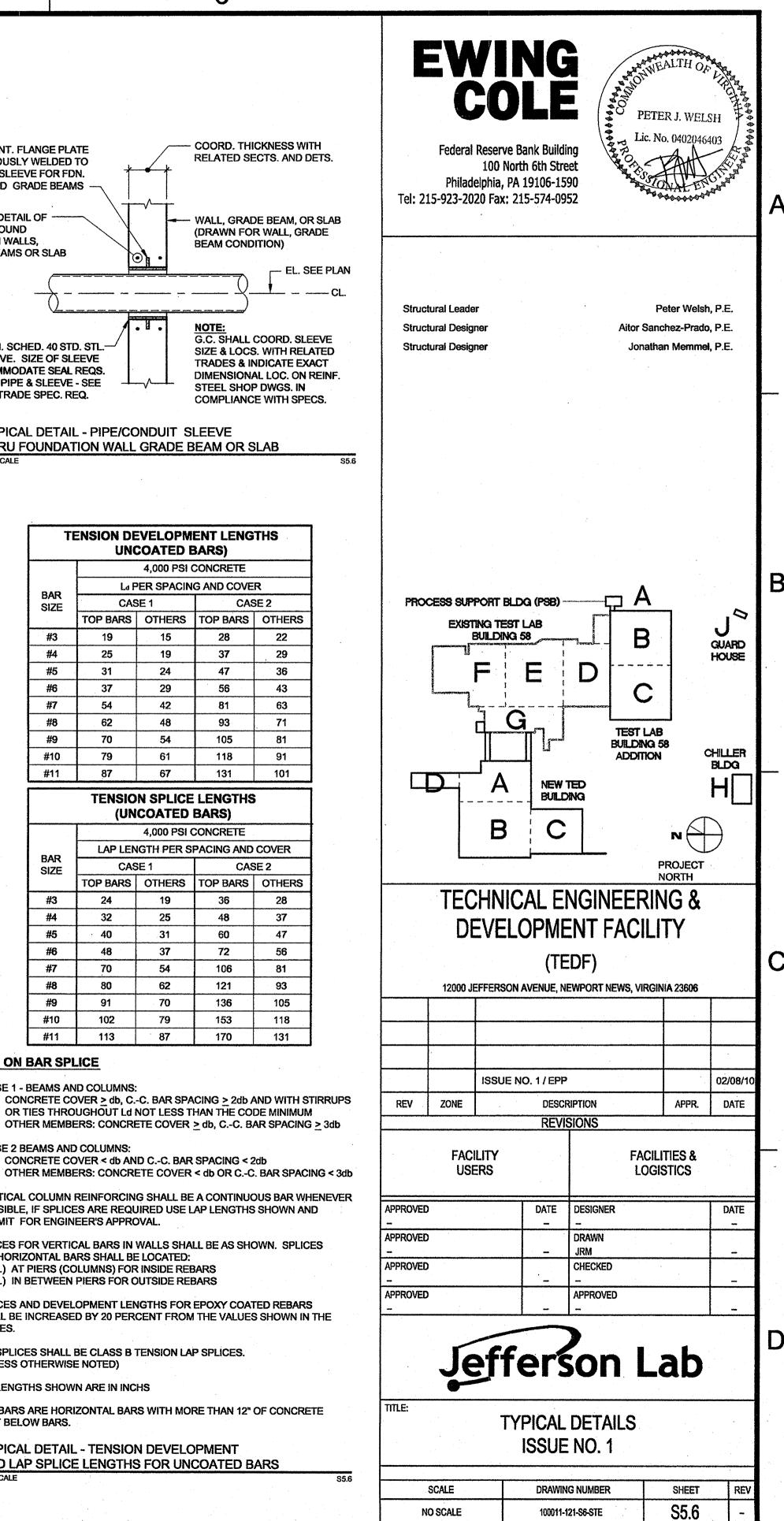


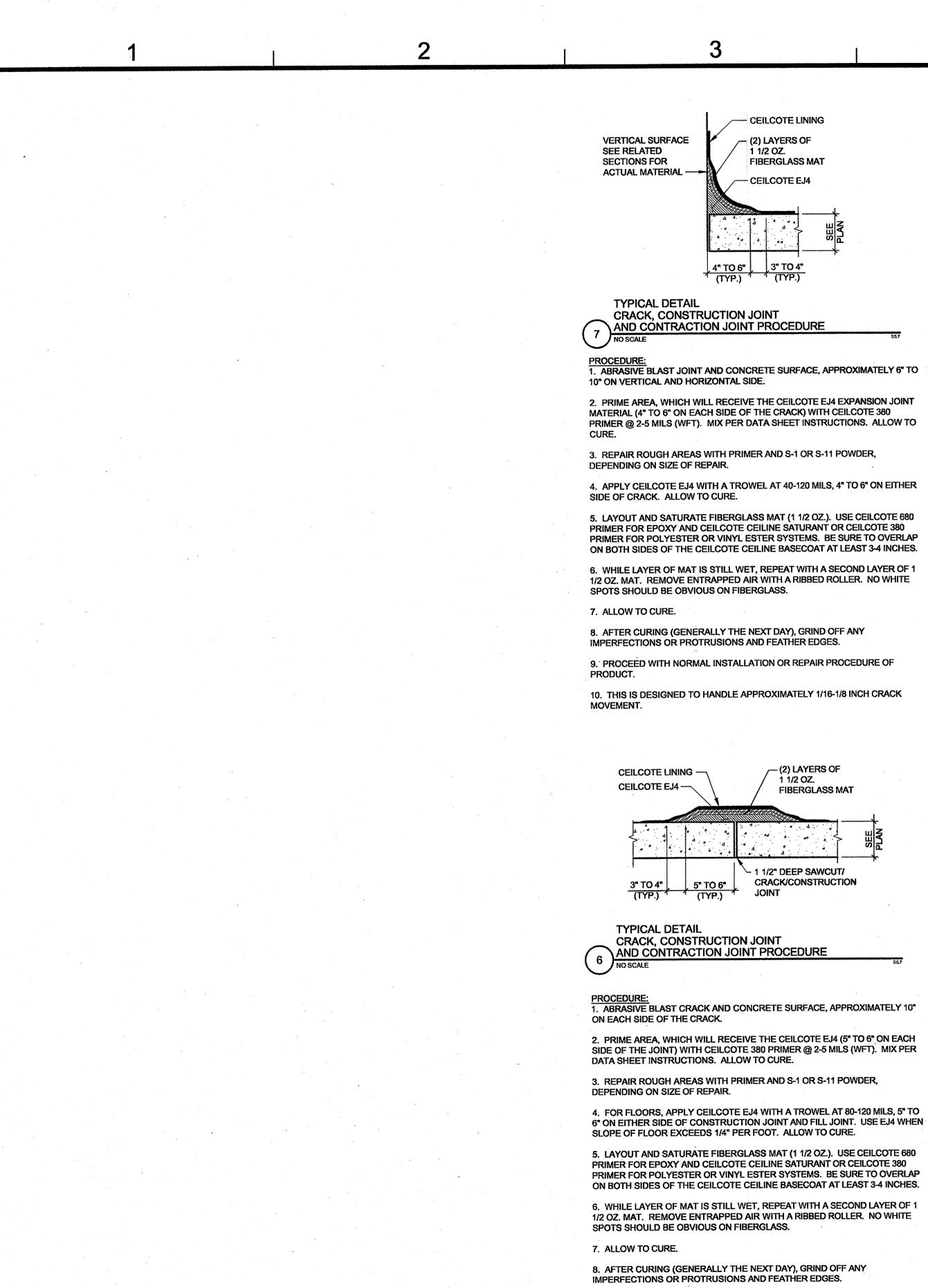












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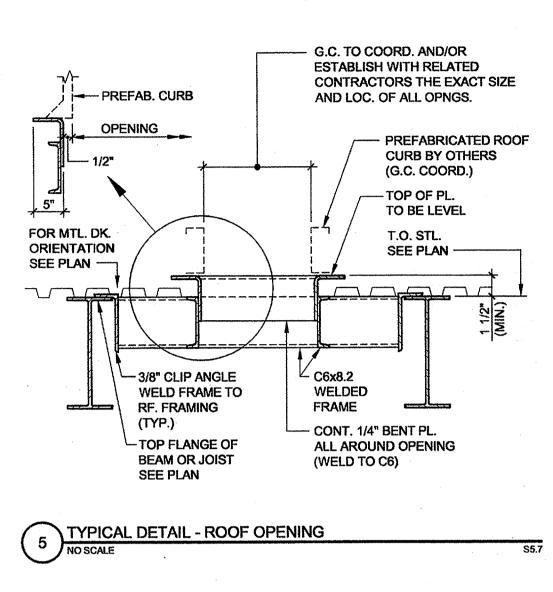
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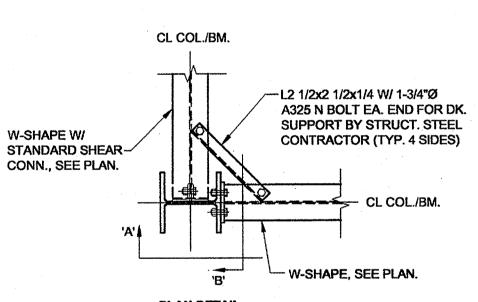
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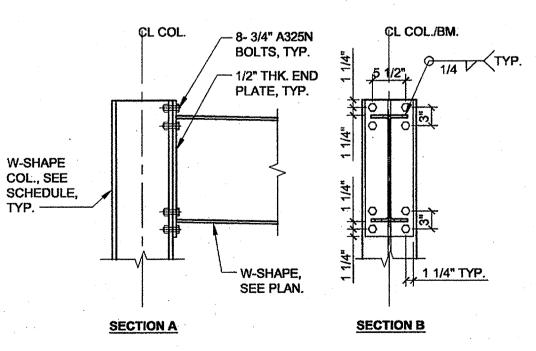
9. PROCEED WITH NORMAL INSTALLATION OR REPAIR PROCEDURE OF

10. THIS IS DESIGNED TO HANDLE APPROXIMATELY 50-60 MILS CRACK





PLAN DETAIL



LATERAL MOMENT CONNECTION NOTES:

1. PROVIDE LATERAL MOMENT CONNECTIONS AT ALL BEAM / COLUMN JOINTS INDICATED THUS ____ IN PLAN.

- 2. AT ROOF LEVELS, EXTEND THE COLUMN SHAFT A MINIMUM OF 3 INCHES ABOVE THE HIGHEST BM. FLANGE FRAMING TO THE COLUMN TO ACCOMMODATE MOMENT CONNECTION PLATE WELD.
- 3. WHEN BEAM FRAMING INTO COL. WEB DOES NOT RECEIVE A MOMENT CONNECTION PROVIDE STANDARD DOUBLE ANGLE SHEAR CONNECTION.
- 4. TRIM METAL DECKING AT LATERAL MOMENT CONNECTIONS AND COLUMN, AS REQUIRED, TO LAY FLAT. TYPICAL ALL LEVELS INCLUDING ROOF. PROVIDE DECK SUPPORT ANGLES AS DETAILED.

5. SPECIFY ALL 'AWS' WELD DESIGNATIONS.

TYPICAL DETAIL - LATERAL MOMENT CONNECTION

