

1. CODE: INTERNATIONAL BUILDING CODE 2009 WITH WISCONSIN AMENDMENTS / ASCE 7-05
2. FLOOR LIVE LOADS: (REDUCED AS ALLOWED BY THE BUILDING CODE)

OFFICES:	= 50 PSF
PUBLIC AREAS:	= 100 PSF
STORAGE (LIGHT):	= 125 PSF
RETAIL AT FIRST FLOOR:	= 100 PSF

* INDICATES 15 PSF PARTITION LOAD IN ADDITION TO LOAD INDICATED

1. CONTRACTOR AGREES THAT CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF THE WORK, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD OWNER/AND STRUCTURAL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER OR STRUCTURAL ENGINEER.

- THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING, SHORING OR FOR LOADS DUE TO CONSTRUCTION EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROTECTION VISITS TO THE SITE BY STRUCTURAL ENGINEER SHALL NOT INCLUDE PROTECTION OF EXISTING ITEMS.
3. THE CONTRACTOR SHALL HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES, PROCEDURES, SEQUENCES, SAFETY OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTOR'S SCHEDULE OR FAILURES TO CARRY OUT ANY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NITVE ENGINEERING SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE. THE ARCHITECT, SUB CONTRACTOR, OR ANY OF THEIR AGENTS, OR EMPLOYEES, OR ANY OTHER PERSONS SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.
5. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY BRACING, SHORING, AND PROTECTIVE MEASURES SHALL BE PROVIDED FOR ALL INTERMEDIATE STAGES OF CONSTRUCTION. STRUCTURE SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL IDENTIFYIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL, OR STATE OR FEDERAL MEANS, OR SPECIFICATIONS, OR STANDARDS, OR PRACTICES IN THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONFLICT WITH STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION.
8. NO REFERENCES TO ANY REFERENCED STANDARD SPECIFICATION OR CODE, WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS, SHALL BE BINDING ON THE CONTRACTOR, AND HIS OR HER RESPONSIBILITIES OF THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, OR ANY OTHER PERSONS SHALL NOT BE AFFECTED BY ANY REFERENCES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO STRUCTURAL ENGINEER OR ANY OF STRUCTURAL ENGINEER'S AGENTS, OR EMPLOYEES, OR ANY OTHER PERSONS THE AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE IF ANY CONSTRUCTION ACTIVITIES OR ANY OTHER ACTIVITIES THAT ARE IN CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRINGING ANY DISCREPANCY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. WHEN THIS PROCEDURE IS NOT FOLLOWED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF THE WORK WHEN THE ENGINEER DETERMINES THAT THE WORK TO BE INADEQUATE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRINGING ANY DISCREPANCY BETWEEN THE CONDITIONS FOUND AND THOSE SHOWN ON THE CONTRACT DOCUMENTS TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
11. SEE DOCUMENTS FROM OTHER DISCIPLINES FOR FLOOR, WALL AND ROOF FINISHES, PARTITIONS, CEILING, MECHANICAL, ELECTRICAL, AND PLUMBING, PAN STAIRS, MISCELLANEOUS, ETC.
12. SEE DOCUMENTS FROM OTHER DISCIPLINES, E.G. IN STRUCTURAL BEAM AND COLUMN MEMBERS, DO NOT CUT ANY STRUCTURAL MEMBER FOR PIPES, DUCTS, OR OTHER NOTED IN THE CONTRACT DOCUMENTS.
13. WHEN DOCUMENTS BY OTHER DISCIPLINES SHOW OPENINGS, ROOFINGS, ETC. THROUGH STRUCTURAL MEMBERS, THE CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM STRUCTURAL ENGINEER FOR INSTALLATION OF SUCH PIPES, DUCTS, CHIMNEYS, ETC.
14. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL DETAILS UNLESS THE DETAIL IS SPECIFICALLY INDICATED BY THE ARCHITECT OR THE ARCHITECT'S DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR LOCATIONS.

1. SUBMITTALS PREPARED BY SUBCONTRACTORS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE ENGINEER.

2. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY MISUSE, MODIFICATION OR MISREPRESENTATION OF ANY INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR HARM FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DAMAGES, LOSSES OR COSTS, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE INCURRED BY THE USER OF THE CONTRACT DOCUMENTS. THE USER SHALL BE RESPONSIBLE FOR THE PROTECTION AND UTILIZATION OF THE ELECTRONIC DOCUMENTS AS A PART OF THE PROJECT.

3. ALL SUBMITTALS REVIEWED BY STRUCTURAL ENGINEER ARE REVIEWED FOR CONFORMANCE WITH THE REQUIREMENTS OF THE CODE OF ORDINANCES AND GENERAL COMPLIANCE WITH THE INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. ANY ACTION INDICATED IS SUBJECT TO THE REQUIREMENTS OF THE ENGINEER. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL CORRELATING PROCESSES AND TECHNIQUES OF CONSTRUCTION, AND DOES NOT COVER THE WORKMANSHIP OF THE CONTRACTOR.

4. ALL SUBMITTALS SHALL BE REVIEWED BY THE ENGINEER FOR COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE REVIEW SHALL BE RECEIVED AND RETURNED WITHIN THE FOLLOWING PERIOD AFTER BEING RECEIVED BY THE ENGINEER:

REBAR	10 WORKING DAYS
CONCRETE AND DESIGN	10 WORKING DAYS

5. CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER BY PROFESSIONAL ENGINEERS REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER SHALL REVIEW THE SUBMITTALS FOR TECHNICAL DATA, SUPPORT REACTIONS, AND CERTIFICATION THAT ELEMENTS WERE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. THE ENGINEER SHALL REVIEW THE BUILDING CODE. ALL DOCUMENTS NOTED SHALL BE SEALED BY THE LICENSED PROFESSIONAL ENGINEER. THE ENGINEER SHALL REVIEW THE SUBMITTALS AND REQUEST FOR ADDITIONAL INFORMATION TO THE ARCHITECT. THE FOLLOWING LISTED ITEMS SHALL BE REVIEWED BY THE ENGINEER:

- STRUCTURAL STEEL CONNECTIONS NOT DETAILED OR SHOWN ON THE ARCHITECT'S DRAWINGS
- STEEL STAIRS AND HANDRAILS
- DETACHED METAL ROOFING
- STRUCTURAL LIGHT GAUGE FRAMING INCLUDING EXTERIOR WALLS

3. ALL FOUNDATIONS SHALL BE SUPPORTED ON APPROVED EXISTING SUBGRADE OR APPROVED COMPACTED STRUCTURAL FILL HAVING A MINIMUM OF 10% MOISTURE CONTENT AND 95% STANDARD PROCTOR COMPACTION ENGINEERING REPORT AS PREPARED BY GESTRA ENGINEERING, INC. DATED 12/28/2011.
4. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBGRADE CONDITIONS DESCRIBED IN THE DRAWINGS. SPECIFICATIONS TEST RESULTS, SECTION CUTOFFS, AND OTHER DATA ARE TO BE USED TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION, AND TO REPRESENT CONDITIONS ONLY AT THE SPECIFIC LOCATION WHERE THE DATA WAS OBTAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE DATA AND TO MAKE ANY NECESSARY ADJUSTMENTS.
5. ALL EXTERIOR FOUNDATIONS SHALL BEAR ON APPROVED SUBGRADE AT MINIMUM 12" BELOW FINISHED GRADE.
6. FOOTING ELEVATIONS SHOWN ON THE DRAWINGS REPRESENT ESTIMATED DEPTHS AND ARE NOT TO BE CONSTRUED AS LIMITING THE AMOUNT OF EXCAVATION REQUIRED TO OBTAIN THE PROPOSED FOUNDATION DEPTHS.
7. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS IN ALL EXCAVATIONS TO PREVENT COLLAPSE OF EXISTING ADJACENT SOILS OR VERTICAL SETTLEMENT OF SURROUNDING SOIL AND/OR PROPERTY WHICH WILL ENDANGER LIVES OR PROPERTY.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF SURFACE AND SUBSURFACE WATER PROMPTLY TO INSURE THAT ALL FOUNDATION WORK IS PERFORMED IN A DRY CONDITION.
9. FOUNDATIONS SHALL NOT BE PLACED ON FROZEN SUBGRADE.
10. THE CONTRACTOR SHALL PROTECT IN-PLACE FOUNDATIONS AND SLABS-ON-GRADE FROM DAMAGE DURING CONSTRUCTION OF THE NEW FUNDATIONS.
11. FOUNDATION WALLS SHALL BE BRACED DURING BACKFILLING AND COMPACTION OPERATIONS. BRACING SHALL BE LEFT IN PLACE UNTIL PERMANENT STRUCTURAL BRACING IS IN PLACE, STABILIZED AND APPROVED BY THE ENGINEER.
12. WHERE FOUNDATION DEPTHS VARY, BRACING SHALL BE ON BOTH SIDES. BACKFILLING SHALL BE COMPLETED SUCCESSFULLY ON BOTH SIDES OF THE WALL.

1. PRE-ENGINEERED METAL BUILDING WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING:
 - A) AISC - "DESIGN GUIDE FOR THE DESIGN, FABRICATION AND ERECTION OF STEEL FOR BUILDINGS"
 - B) AISC - "DESIGN GUIDE FOR STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
 - C) AISC - "STRUCTURAL WELDING CODE-STEEL"
 - D) AISC - "STRUCTURAL STEEL DETAILING MANUAL"
 - E) AISC - "METAL BUILDING SYSTEMS MANUAL"
 - F) AISC - "DESIGN GUIDE FOR BRACING"
 - G) AISC - "DESIGN GUIDE FOR BRACING OF STEEL BEAMS"
2. THE PRE-ENGINEERED METAL BUILDING PEPM SHALL BE DESIGNED AND MANUFACTURED TO THE FOLLOWING:
 - A) THE PEPM MANUFACTURER SHALL PROVIDE STAMPED DRAWINGS AND CALCULATIONS BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS WHICH THE PEPM SHALL CONFORM TO.
 - B) THE PEPM MANUFACTURER SHALL CONFORM TO THE FOLLOWING DESIGN CRITERIA:
 - A) AISC - "DESIGN GUIDE NO.3 SERVICEABILITY DESIGN CONSIDERATIONS FOR STEEL BUILDING" UNLESS NOTED OTHERWISE ON THE DRAWINGS.
 - B) ALL CONNECTIONS SHALL BE DESIGNED TO BE FULL PENETRATION JOINTS.
 - C) LEVELING PLATES AND BEARING PLATES SHALL BE SET IN A FULL BEAD OF NON-FUSIBLE WELD.
 - C) THE PEPM MANUFACTURER SHALL BE RESPONSIBLE FOR ALL CONNECTIONS, STIFFENERS ETC. REQUIRED TO SAFELY ERECT THE BUILDING. THE PEPM MANUFACTURER SHALL BE RESPONSIBLE FOR THE REQUIRED HOLES AND PASSING THROUGH THE PEPM STEEL ON THE DRAWINGS.
 - D) THE PEPM MANUFACTURER SHALL BE RESPONSIBLE FOR DETERMINATION RATES, COLUMN LOCATIONS AND BASE PLATE SIZES TO THE ENGINEER IN A TIMELY MANNER. CHANGES TO OR OMISSIONS OF REACTIONS, ETC. BY THE PEPM MANUFACTURER SHALL BE THE RESPONSIBILITY OF THE PEPM MANUFACTURER.
 - E) THE PEPM MANUFACTURER SHALL BE RESPONSIBLE FOR THE FOLLOWING:
 - 1. REQUIRE ADDITIONAL ENGINEERING FEES.
 - 2. REQUIRE THE PEPM MANUFACTURER TO CONFORM TO E70XX AND E80XX WELDING TO ADDS WELDING PROCEDURES AND STANDARDS.
 - 3. REQUIRE THE PEPM MANUFACTURER TO CONFORM TO THE WELDERS CERTIFIED IN THE POSITION IN WHICH THE WELD IS TO BE MADE.
11. THE ERECTION OF ANY STRUCTURAL STEEL MEMBERS SHALL NOT COMMENCE UNTIL THE PEPM MANUFACTURER HAS PROVIDED THE FOLLOWING:
 - A) THE PEPM MANUFACTURER SHALL BE RESPONSIBLE FOR THE PEPM BEING STAMPED AT LEAST 75% OF THEIR INTENDED MINIMUM COMPRESSIVE STRENGTH.
 - B) THE PEPM MANUFACTURER SHALL BE RESPONSIBLE FOR THE PEPM BEING STAMPED AT LEAST 75% OF THEIR INTENDED MINIMUM TENSILE STRENGTH.
 - C) THE PEPM MANUFACTURER SHALL BE RESPONSIBLE FOR THE PEPM BEING STAMPED AS REQUIRED FOR THE SAFE ERECTION OF ALL STEEL.
 - D) TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT BRACING HAS BEEN INSTALLED AND FULL STRENGTH OF THE PEPM HAS BEEN OBTAINED 75% OF REQUIRED STRENGTH.
12. THE PEPM MANUFACTURER SHALL BE TRUE AND PLUMB BEFORE FINAL BOLTING OR WELDING OF CONNECTIONS.
13. THE CONTRACTOR SHALL NOT MODIFY OR CUT ANY STRUCTURAL STEEL WITHOUT THE APPROVAL OF THE PEPM MANUFACTURER.
14. THE PEPM MANUFACTURER SHALL FIELD TOUCH UP ALL ABRASIONS, BURNS, AND SIMILAR DEFECTS IN PAINT OF STRUCTURAL STEEL.

1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING STANDARDS:
 - A) AC 308 – "SPECIFICATIONS FOR STRUCTURAL CONCRETE."
 - B) ACI 309 – "MANUAL OF CONCRETE PRACTICE."
 - C) ACI 318 – "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
 - D) ACI 318.1 – "BUILDING CODE REQUIREMENTS FOR STRUCTURAL PLAN CONCRETE."
2. CONCRETE SHALL HAVE A MINIMUM 28-DAY ULTIMATE COMPRESSIVE STRENGTH AS FOLLOWS:
 - A) SLABS ON GRADE 4000 PSI
 - B) FOOTINGS 3000 PSI
 - C) BEAMS & POST WALLS 4000 PSI
3. ALL CONCRETE EXPOSED TO WEATHER TO BE AIR ENTRAINED WITH 5% - 8% AIR.
4. ALL CONCRETE IS TO BE NORMAL WEIGHT CONCRETE UNLESS NOTED OTHERWISE.
5. ALL CONCRETE PLATWORK EXPOSED TO WEATHER TO BE FREE OF LIGMITE AND FRIABLE AGGREGATE MATERIALS.
6. THE COARSE AGGREGATE SHALL BE WELL GRADED #57 STONE WITH A MAXIMUM AGGREGATE SIZE OF 1".
7. ALL CONCRETE SHALL BE 4" OR IF A HIGH RANGE WATER REDUCER IS USED THEN THE SLUMP PRIOR TO THE ADDITION OF THE WATER REDUCER SHALL BE 2" THE SLUMP SHALL NOT EXCEED 1" AFTER THE ADDITION OF A HIGH RANGE WATER REDUCER.
8. MINIMUM CEMENTITIOUS REQUIREMENTS:
 - A) 3000 PSI CONCRETE 517 LBS/CU YD
 - B) 4000 PSI CONCRETE 564 LBS/CU YD
9. MAXIMUM WATER-CEMENT RATIO:
 - A) 100 MAXIMUM WATER-CEMENT RATIO 0.45
 - B) AIR ENTRAINED CONCRETE 0.50
 - C) NON-AIR ENTRAINED CONCRETE 0.55
10. CONCRETE DESIGN SUBMITTALS SHALL INCLUDE A HISTORY OF BREAKS ACCORDING TO THE FOLLOWING:
 - A) PROTECT FOR REINFORCING BARS:
 - 1. UNFORMED SURFACES IN CONTACT WITH SOIL OR WEATHER 2"
 - 2. FORMED SURFACES EXPOSED TO SOIL OR WEATHER 6 BARS AND RADIUS 12"
 - 3. FORMED SURFACES NOT EXPOSED TO SOIL OR WEATHER 12"
 - B) SLABS
 - C) BEAMS
 - D) WALLS
 - E) #1 BARS AND SMALLER 3"
11. CONSTRUCTION JOINTS IN WALLS TO BE KEPT AND PLACED AT APPROVED LOCATIONS.
12. ALL COLD WEATHER POCKETS TO BE FILLED WITH CONCRETE AFTER COLUMN IS ERECTED.
13. SLEEVES AND OPENINGS IN BEAMS, JOISTS AND SLABS NOT SHOWN ON STRUCTURAL DRAWINGS ARE NOT PERMITTED, UNLESS APPROVED BY THE ENGINEER.
14. WATERPROOFING:
 - A) SEE ARCHITECT'S DRAWINGS FOR WATERPROOFING
 - B) PROVIDE A MINIMUM 15 MIL GASTIGHTING (OR EQUAL) UNLESS NOTED OTHERWISE.
 - C) PROVIDE WATERPROOFING ALL BELOW GRADE FOUNDATION WALL CONSTRUCTION JOINTS.

1. MAXIMUM SPACING OF CONSTRUCTION AND/OR CONTROL JOINTS IN SLAB-ON-GRADE CONSTRUCTION SHALL BE 18'-0" O.C. MAX. JOINTS SHALL BE PLACED TO PRODUCE PANELS THAT ARE AS SQUARE AS POSSIBLE AND NEVER EXCEEDING A LENGTH TO WIDTH RATIO OF 1.5 TO 1.
2. CONSTRUCTION AND/OR CONTROL JOINTS FOR SLAB-ON-GRADE CONSTRUCTION SHALL BE LOCATED ON COLUMN LINES.
3. CONSTRUCTION OR CONTRACTION JOINTS IN CONCRETE FOUNDATION WALLS SHALL BE SPACED AT 20'-0" ON CENTER MAXIMUM.

- ALL REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING:
 - A. A305 - "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
 - B. A318 - "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
 - C. MSPS - "CRS MANUAL OF STANDARD PRACTICE"
 - D. A646 - "STANDARD SPECIFICATIONS FOR REINFORCING STEEL"
 - E. WRI - "WELDED WIRE FABRIC MANUAL OF STANDARD PRACTICE"
- ALL REINFORCING BARS SHALL BE WELDED TOGETHER AT 18" ON CENTER (60 KSI YIELD POINT DEFORMED BARS IN ACCORDANCE WITH LATEST ASTM SPECIFICATIONS UNLESS NOTED OTHERWISE).
- ALL REINFORCING BARS SHALL BE WELDED TOGETHER AT 18" ON CENTER.
- ALL REINFORCING BARS TO BE DETAILD AND PLACED IN ACCORDANCE WITH THE REINFORCING BARS DETAILING AND PLACING SPECIFICATIONS FOR REINFORCED CONCRETE STRUCTURES' SPECIFICATIONS. CONTINUOUS BARS TO BE APPLIED.
- ONLY REBAR CONFORMING TO ASTM A646 REBAR MAY BE WELDED.
- PROVIDE (2) 8" DIAGONALS S/S FOR EACH LAYER AT EACH CORNER OF OPENINGS TO BE REINFORCED.
- REINFORCING BARS SHALL BE WELDED TOGETHER AT 18" ON CENTER MATCHING HORIZONTAL WALL BARS. USE (3) 8" VERTICAL CONSTRUCTION JOINTS.
- PLA SPICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE UNLESS OTHERWISE NOTED.
- WELDED WIRE FABRIC SHALL PLAC A MINIMUM OF 6" AND BE TIED TOGETHER.

1. SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE, AND THE SCHEDULE OF SPECIAL INSPECTIONS INCLUDED TABLES AND NOTE 4 FOR SPECIAL INSPECTION REQUIREMENTS).

2. SPECIAL INSPECTION REPORTS SHALL BE FURNISHED TO BUILDING OFFICIAL, OWNER, ARCHITECT AND STRUCTURAL ENGINEER.

3. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR, AND IF NOT CORRECTED, SHALL BE REPORTED TO BUILDING OFFICIAL, OWNER, ARCHITECT AND STRUCTURAL ENGINEER.

4. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING THAT THE STRUCTURAL WORK WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

5. THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTIONS: (REFER TO BUILDING CODE AND SPECIFICATIONS FOR DETAILED INSPECTION REQUIREMENTS).

CONCRETE CONSTRUCTION

SOILS

6. NTFRIVE IS NOT RESPONSIBLE FOR PERFORMANCE SAID SPECIAL INSPECTIONS.

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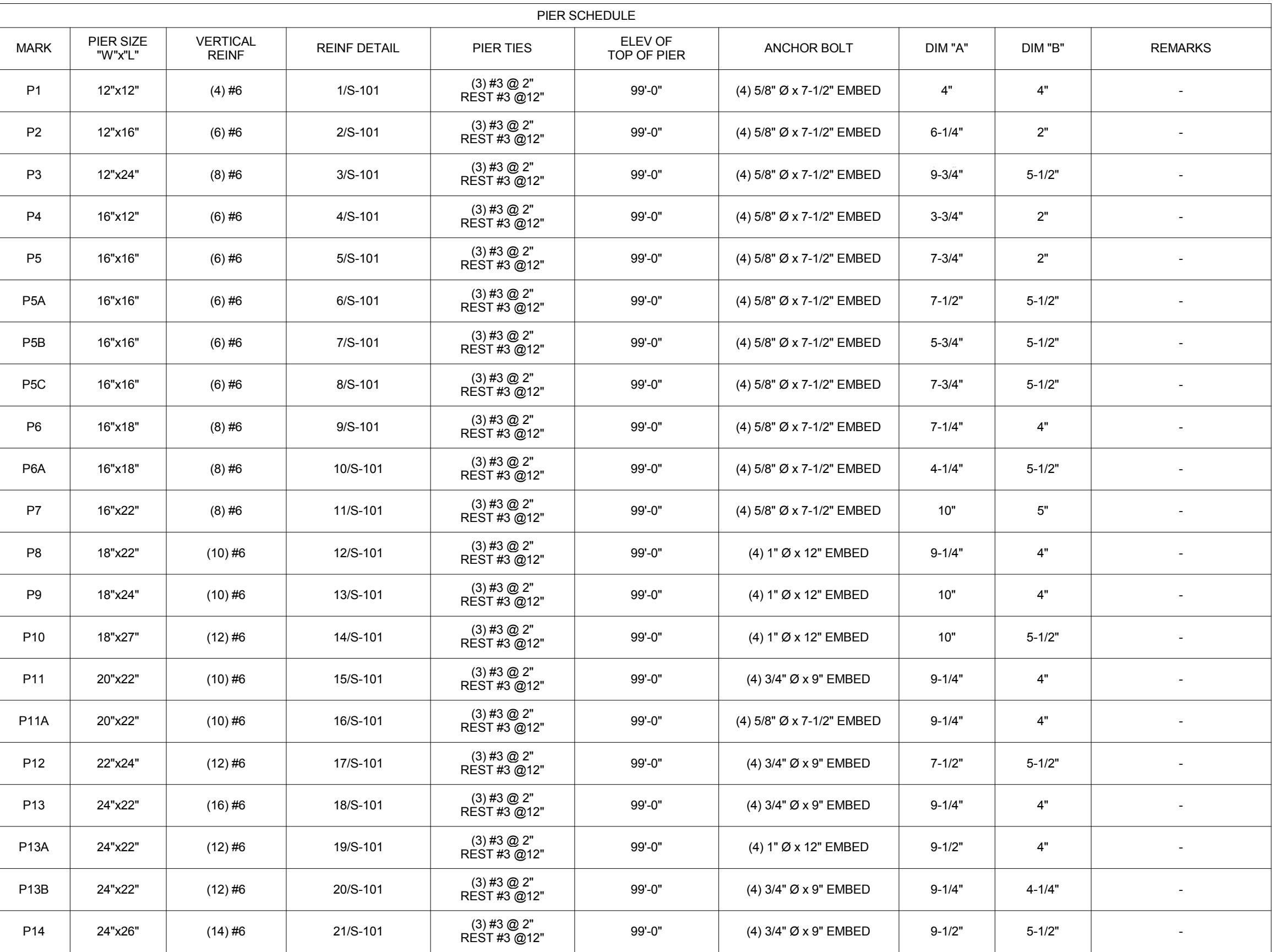
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Xcel
Sports Complex

GENERAL NOTES



Date	07/08/2015
S-100	
Scale	



FOOTING SCHEDULE					fs = 3000 psf fc = 3000 psi	
MARK	SIZE			REINFORCING		
	L	S	D	LONG BARS	SHORT BARS	
F5	5'-0"	5'-0"	1'-6"	6 #4	6 #4	
F7	7'-0"	7'-0"	2'-0"	8 #5	8 #5	
F8	8'-0"	8'-0"	1'-6"	9 #6	9 #6	
F10	10'-0"	10'-0"	2'-0"	11 #5	11 #5	
F11	11'-6"	11'-6"	2'-0"	13 #5	13 #5	

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Sports Complex

SCHEDULES, BASE PLATE AND PIER DETAILS

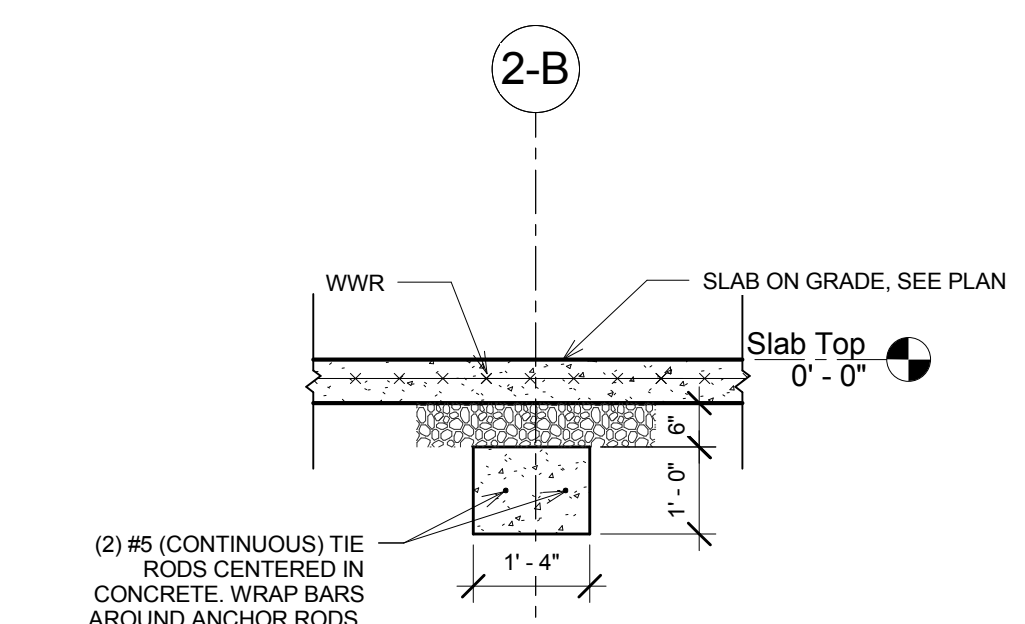
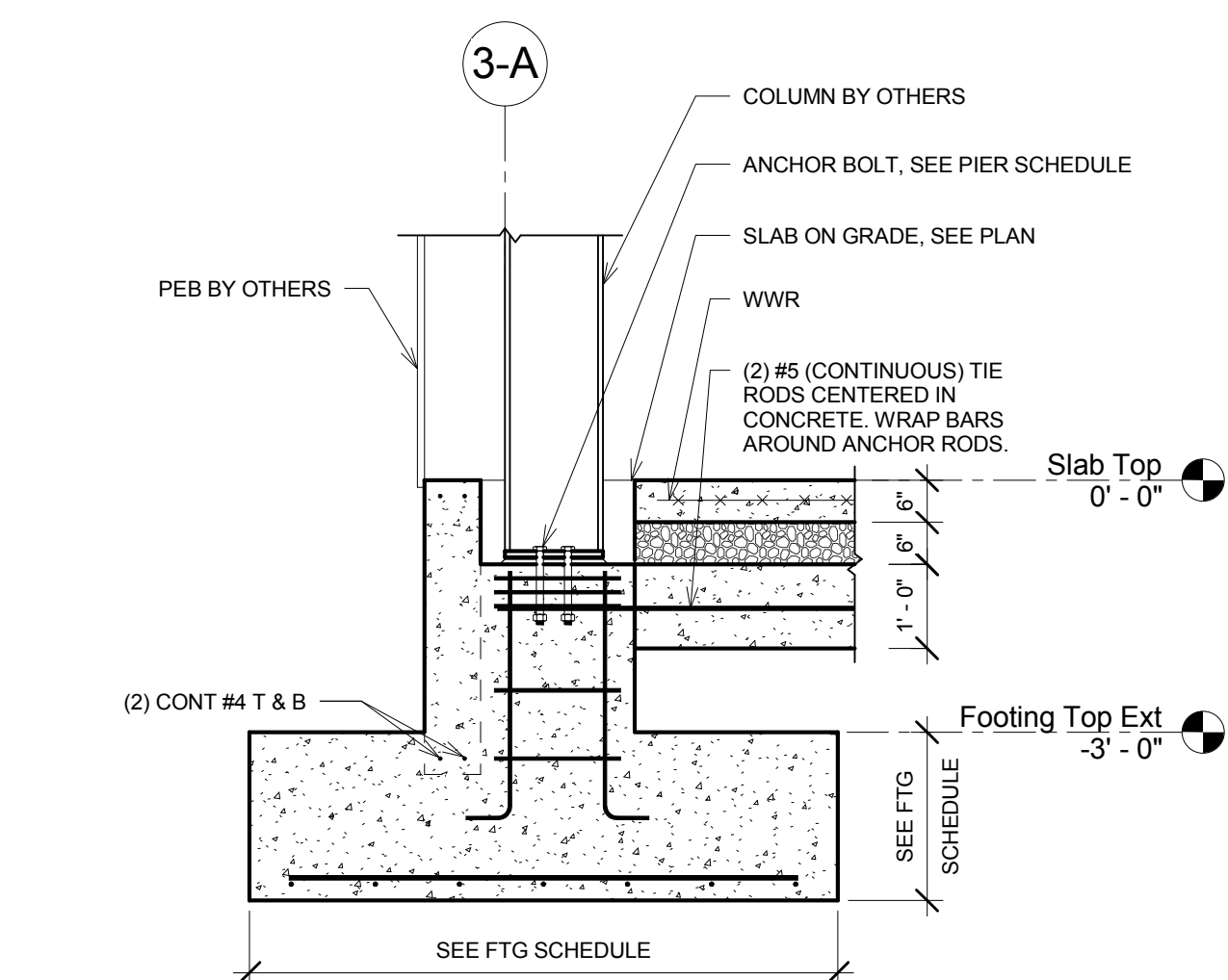
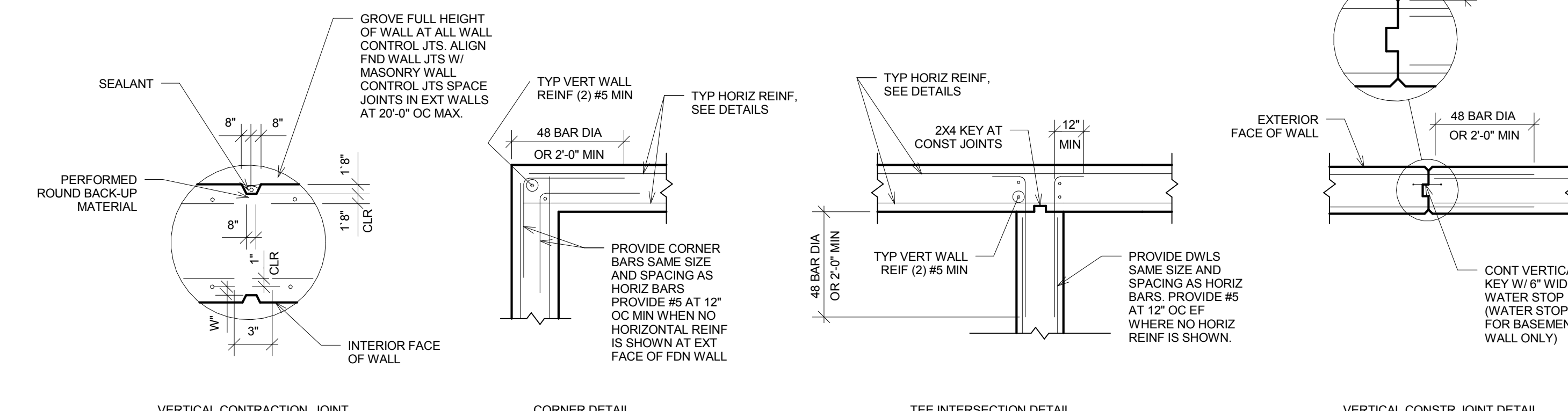
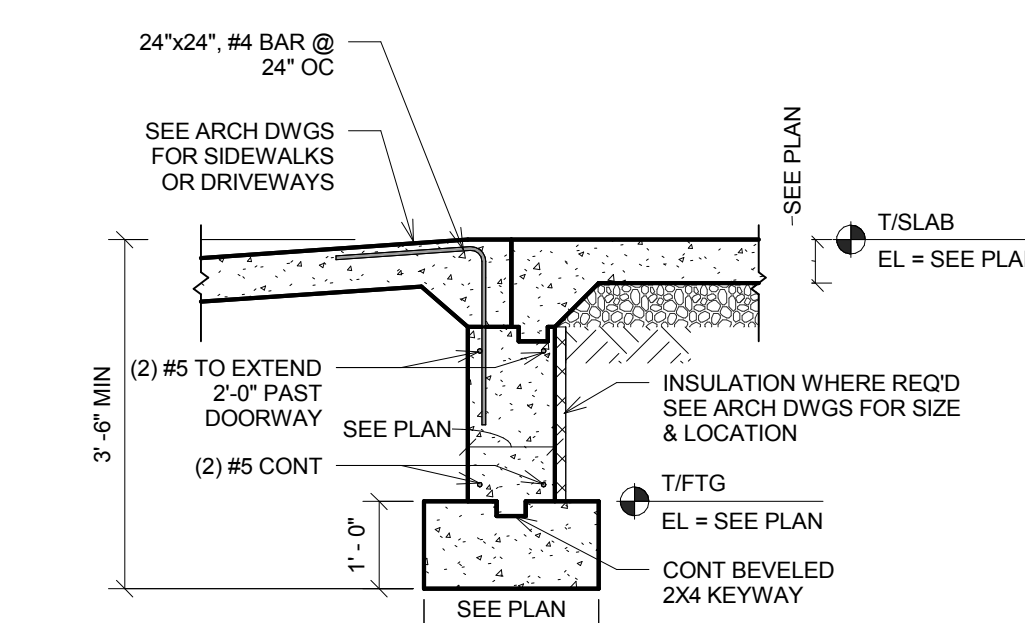
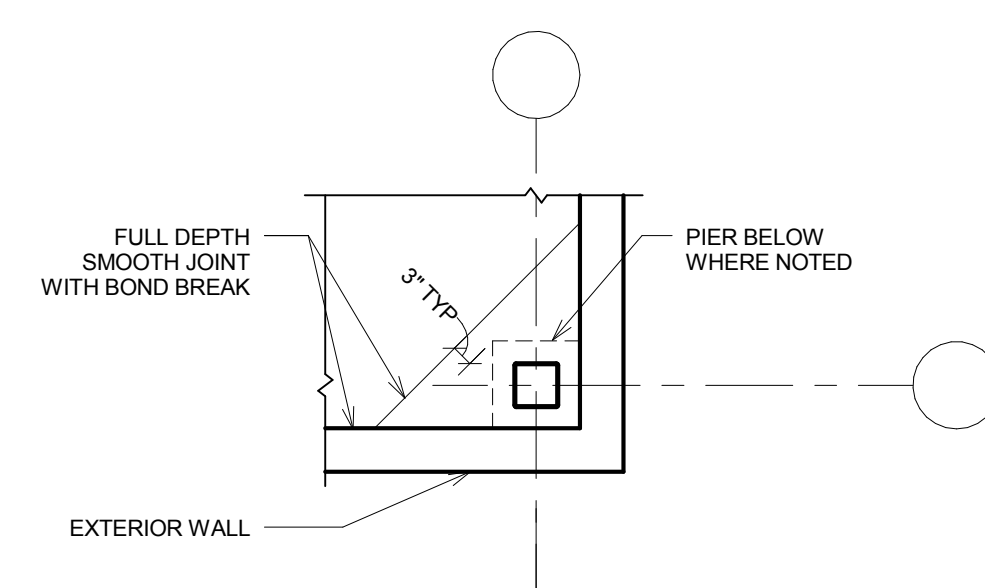
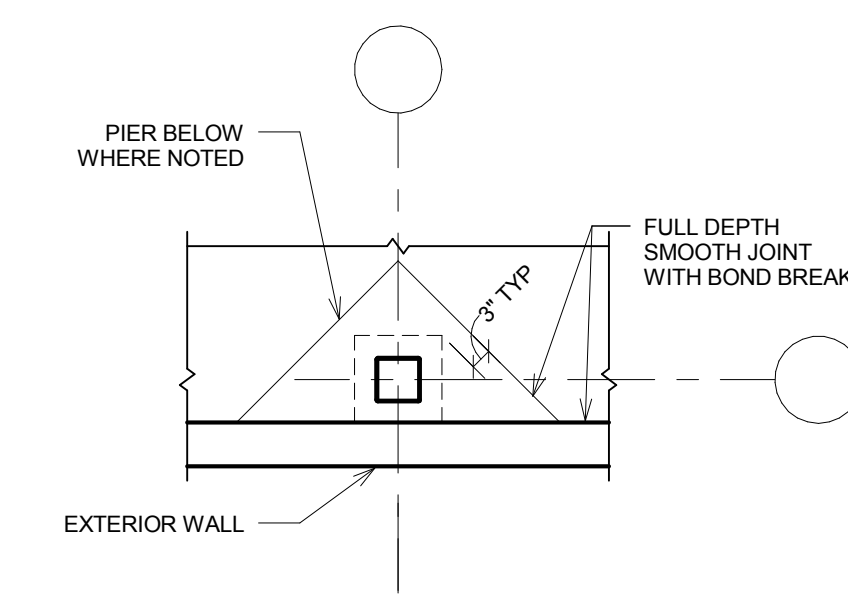
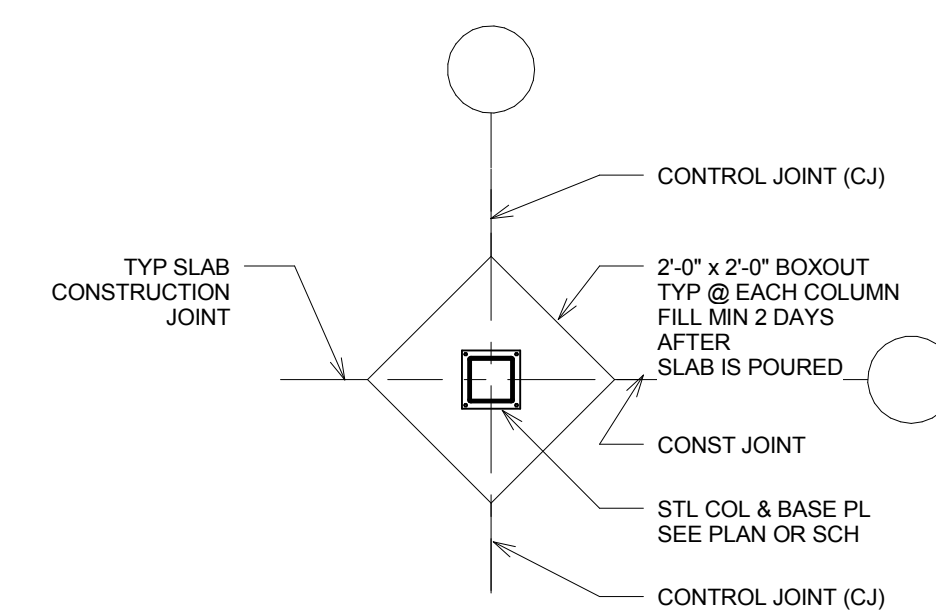
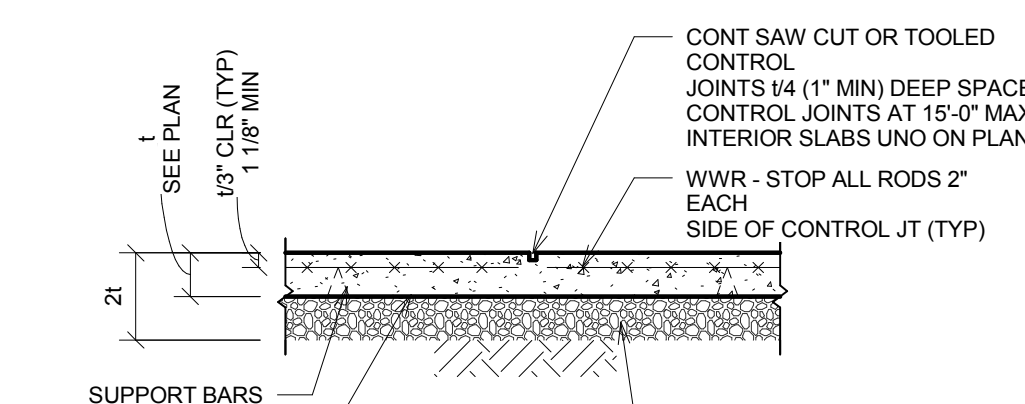
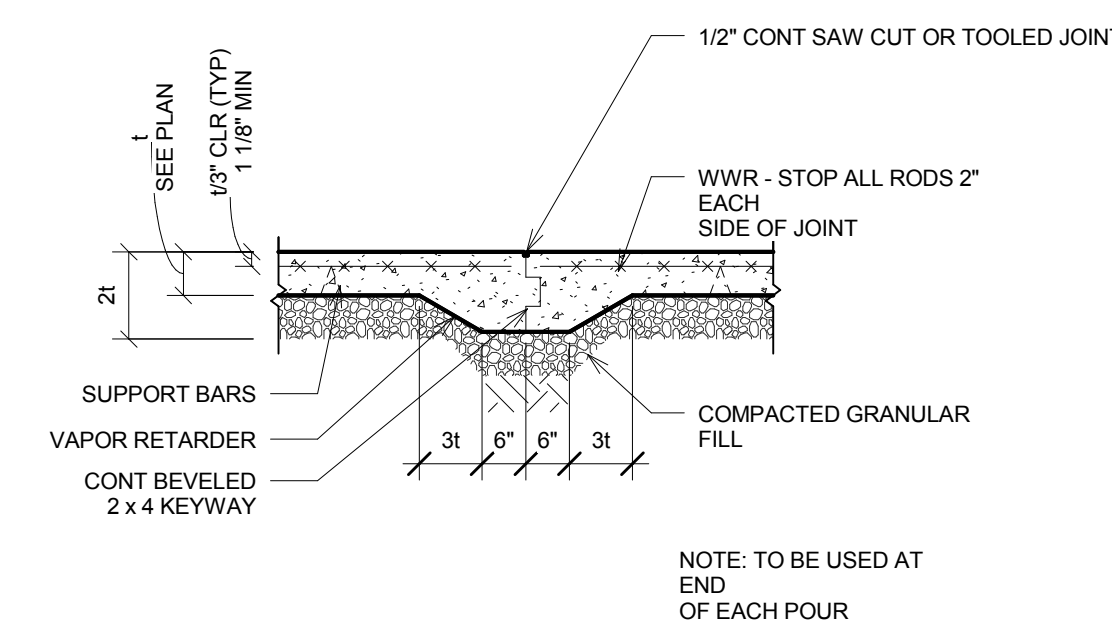
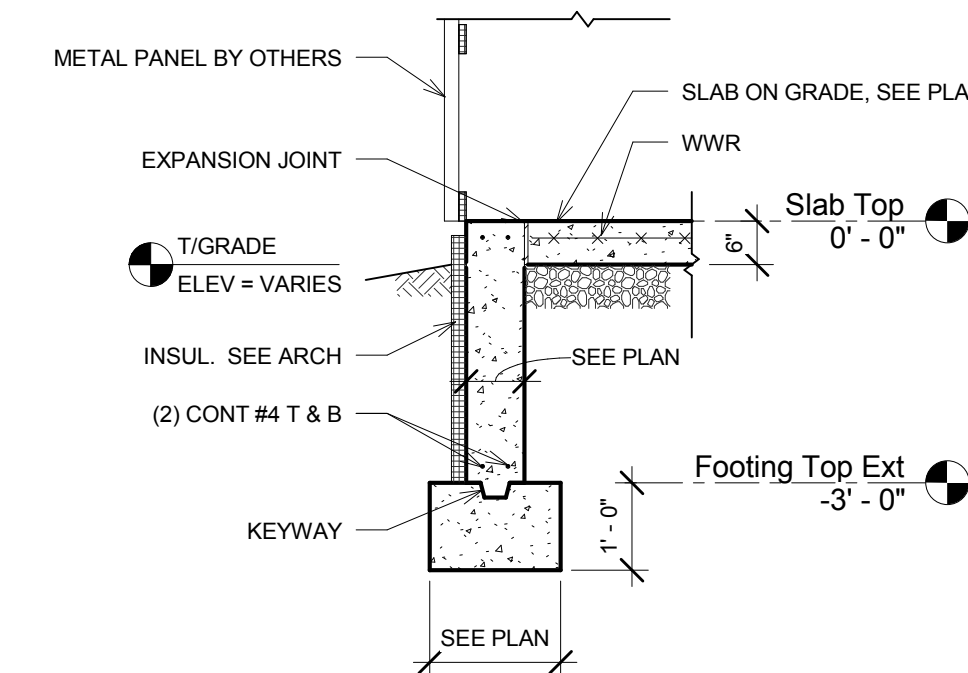
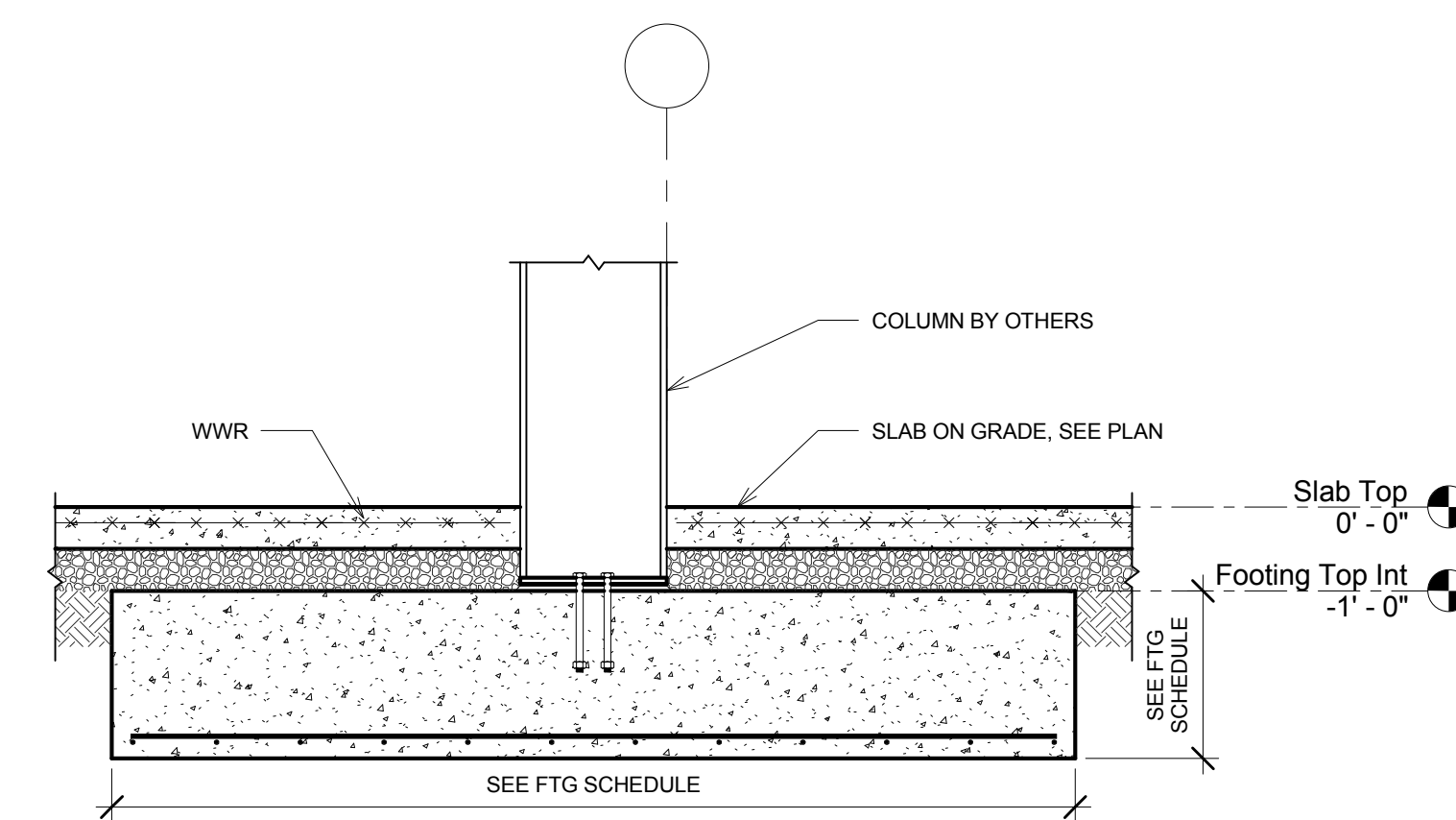
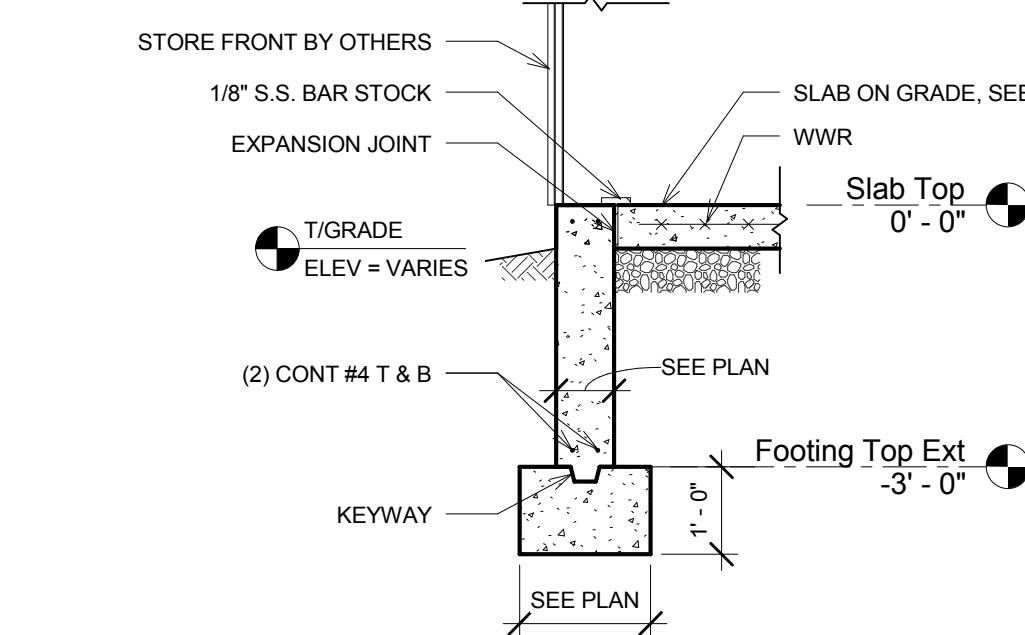
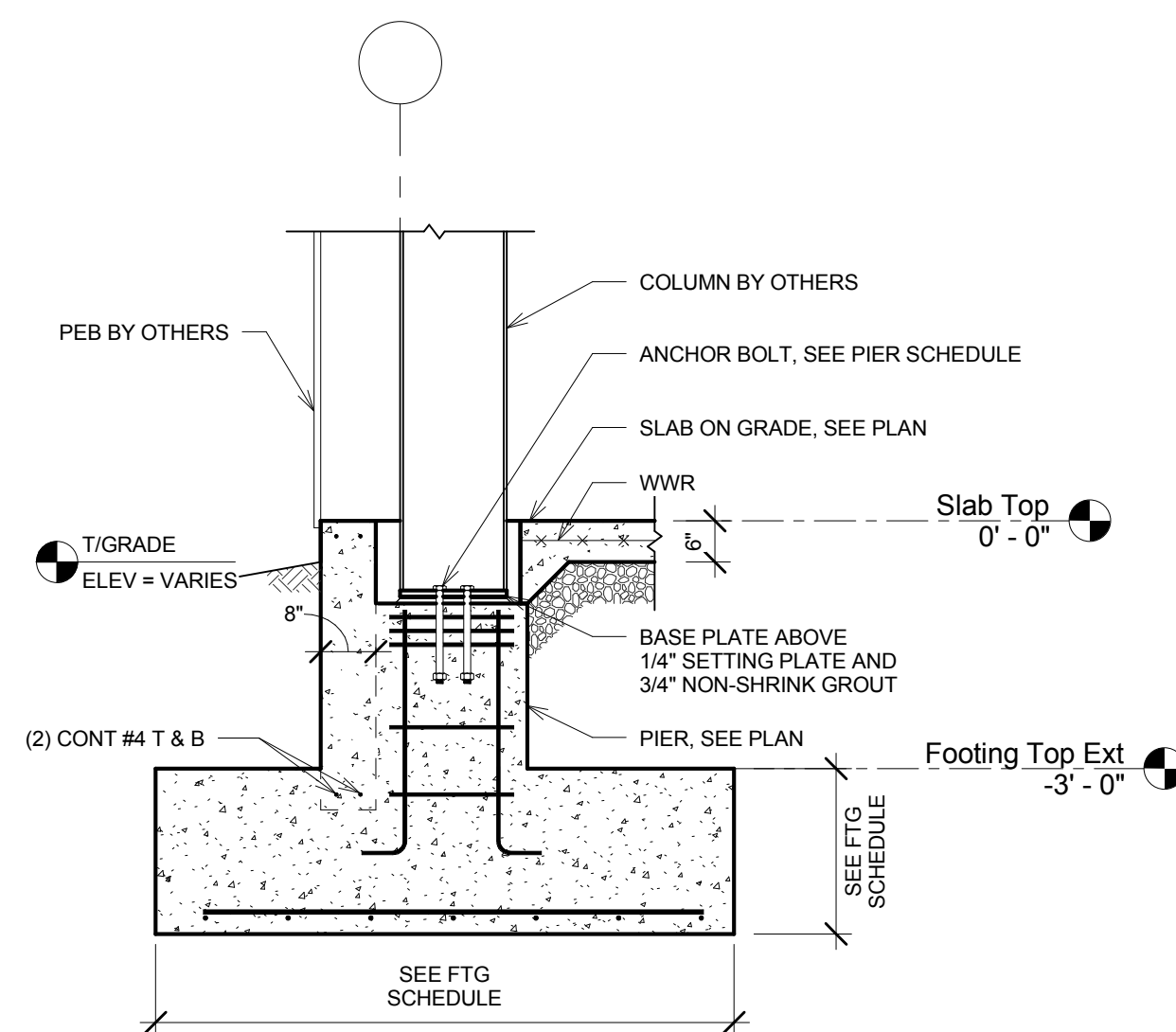


Date	07/08/2015
S-101	
Scale	As indicated



- 1 SEE SHEET S-100 FOR GENERAL NOTES, ABBREVIATIONS AND SCHEDULES.
- 2 VERIFY ALL DIMENSIONS AND ELEVATIONS WITH EXISTING CONDITIONS.
- 3 ARCHITECTURAL, PLUMBING AND MECHANICAL DRAWINGS.
- 4 UNLOCATED FOOTING. SEE FOOTING SCHEDULE ON SHEET S-100. PX
- 5 INDICATES CONCRETE PIER. SEE PIER SCHEDULE ON SHEET S-100.
- 6 FOUNDATION WALL ELEVATION = $+100'-0"$ UNLESS NOTED OTHERWISE.
- 7 UNLOCATED FOOTING. SEE FOOTING SCHEDULE ON SHEET S-100. INTERIOR
- 8 FOUNDATION ELEVATION = $+99'-0"$ UNLESS NOTED OTHERWISE.
- 9 TYPICAL SLAB ON GRADE - 6" CONCRETE WITH 6X6 - 2@ 20X2@ 5 WVR ON MIN 10"
- 10 POLYETHYLENE MEMBRANE - 6 MIL THICKNESS - UNLOCATED GRANULAR
- 11 FILL PER GEOTECHNICAL REPORT. MAXIMUM PARTICLE SIZE OF 1" CONTAINING
- 12 MORE THAN 5% PASSING 200 SIEVE AND FOLLOW RECOMMENDATIONS OF
- 13 AGC 302 - PART 4.1.
- 14 T/C/NC ELEVATION = $+100'-0"$.





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General Contractor
Krause Custom Builders
N3897 Duck Creek Rd
Helenville, WI 53137
Toby Krause
tobykrause@gmail.com
920-285-6490

Civil
Lake Country Engineering
970 S. Silver Lake Street, Suite 105
Oconomowoc, WI 53066
Rob Davy robd@lce.biz
(262) 569-933

Landscape
Ground Affects Landscaping, Inc.
W1526 Froelich Rd.
Sullivan, WI 53178
Tom Ball
tom@groundaffectslandscaping.com
262.593.8400

Architect
OpeningDesign
312 W. Lakeside St
Madison, WI 53715*
Ryan Schultz
ryan@openingdesign.com
773-425-6456

Structural
ntrive
280 Shuman Blvd, Suite 270
Naperville, IL 60563
Steven Uecke
s.uecke@ntrive.com
630-480-4120x101

Metal Building Manufacturer
Foremost Buildings, Inc.
895 N Parkway Street
Jefferson WI 53549
Jim Horn
JimH@foremostbuildings.com
920-674-5028

HVAC
Lake Country Heating and Cooling
N6333 Hwy F
Oconomowoc, WI 53066
Jim Shuda
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414-573-1047

Electrical
Jefferson Current Electric
1473 S. Industria Ave
Jefferson, WI 53549
Ross Davis
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920-674-6444

Plumbing
Pelikan Plumbing
144 Main St
Sullivan, WI 53178
Mike Pelikan
pelikanplumbing@yahoo.com
262-593-2290

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Xcel
Sports Complex

FOUNDATION DETAILS

Date 07/08/2015

S-300

Scale	As indicated
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