

GENERAL NOTES

1.1 GENERAL:

- 1.1.1 SCOPE: THE FOLLOWING GENERAL AND SPECIFIC NOTES SHALL APPLY EQUALLY TO ALL CONTRACTORS AND SUPPLIERS ENGAGED IN EXECUTION OF THE WORK SHOWN ON THE CONTRACT DOCUMENTS; THESE NOTES SUPPLEMENT AND ARE MADE A PART OF THE PLANS AND SPECIFICATIONS.

- 1.1.2 REFERENCES: ALL CONSTRUCTION SHALL BE EXECUTED IN CONFORMANCE WITH THE FOLLOWING:
- PLANS AND SPECIFICATIONS
 - GOVERNING LOCAL AND MUNICIPAL CODES
 - 2018 INTERNATIONAL COMMERCIAL BUILDING CODE
 - 2015 INTERNATIONAL BUILDING CODE (IBC)
 - ASCE 7-10
 - ASST INTERNATIONAL (ASTM)
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

CONCRETE CONSTRUCTION:
- AMERICAN CONCRETE INSTITUTE (ACI)
- CONCRETE REINFORCING STEEL INSTITUTE (CRSI)
- PRECAST/PRESTRESSED CONCRETE INSTITUTE (PCI)
MASONRY CONSTRUCTION:
- AMERICAN CONCRETE INSTITUTE (ACI)
- THE MASONRY SOCIETY (TMS)
STEEL CONSTRUCTION:
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
STEEL JOIST, STEEL BEAM, AND ACCESSORIES:
- STEEL JOIST INSTITUTE (SJI)
- STEEL BEAM INSTITUTE (SBI)
- COLD-FORMED STEEL FRAMING & TRUSSES:
- AMERICAN IRON AND STEEL INSTITUTE (AISI)
- COLD-FORMED STEEL ENGINEERS' INSTITUTE (CFSEI)
WOOD CONSTRUCTION & TRUSSES:
- NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION
- AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC)
- APA - THE ENGINEERED WOOD ASSOCIATION (APA)
- TRUSS PLATE INSTITUTE (TPI)

CONTRACTOR SHALL ENSURE FAMILIARITY WITH THE ABOVE ITEMS. INSPECTIONS AND OBSERVATIONS WILL BE IN CONFORMANCE WITH THE ABOVE.

1.1.3 DESIGN DATA

RISK CATEGORY	II
SNOW LOADS (S):	
GROUND SNOW LOAD, P_g	40 PSF
EXPOSURE FACTOR, C_e	1.0
THERMAL FACTOR, C_t	0.85
IMPORTANCE FACTOR, I_s	1.0
FLAT ROOF SNOW LOAD, P_f	16.0 PSF
ROOF SLOPE FACTOR, C_s	0.67
DESIGN ROOF SNOW LOAD, P_s	16.0 PSF + DRIFT
WIND LOAD (W) (ASCE 7-10 WFRS DIRECTIONAL PROCEDURE, PART 1, ALL II):	
BASIC WIND SPEED, V_{50}	115 MPH
EXPOSURE CATEGORY	B
ENCLOSURE CLASSIFICATION	ENCLOSURE
INTERNAL PRESSURE COEFFICIENT, C_{pi}	+/- 0.18

COMPONENTS AND CLADDING DESIGN PRESSURES: (ASCE 7-10 CHAPTER 30)			
COMPONENTS AND CLADDING PRESSURES			
ROOF ZONE	EFFECTIVE WIND AREAS (ULTIMATE LOADS)		
	10 SF	25 SF	50 SF
INTERIOR ROOF	-11.8 PSF	-21.0 PSF	-20.4 PSF
EDGE ROOF	-17.9 PSF	-33.9 PSF	-30.9 PSF
CORNER ROOF	-18.0 PSF	-51.2 PSF	-47.4 PSF
INTERIOR WALL	24.4 PSF	23.3 PSF	23.3 PSF
EDGE WALL	31.9 PSF	29.0 PSF	26.9 PSF
EDGE ZONE STRIP WIDTH	4.2 FT		
*NOTES:			
- REFER TO ASCE 7-10, FOR ZONE DIAGRAMS.			
- PLUS AND MINUS SIGNS INDICATE PRESSURES ACTING TOWARD OR AWAY FROM BUILDING SURFACES RESPECTIVELY.			
- PRESSURES MAY BE INTERPOLATED BETWEEN THE EFFECTIVE WIND AREAS.			
- SEE DRAWINGS FOR NET UP/LIFT OR UP/SIDR AND JOIST COVERS.			

SEISMIC (E):	
IMPORTANCE FACTOR, I_s	1.0
0.2, MAPPED SPECTRAL RESPONSE ACCELERATION, S_s	0.30g
1.0, MAPPED SPECTRAL RESPONSE ACCELERATION, S_1	0.09g
SITE CLASS	-
0.2, SPECTRAL RESPONSE COEFFICIENT, S_{DS}	0.057
1.0, SPECTRAL RESPONSE COEFFICIENT, S_{D1}	0.008
SEISMIC DESIGN CATEGORY	A
STRUCTURAL SYSTEM	STEEL ECCENTRICALLY BRACED FRAME
SEISMIC RESISTING SYSTEM	STEEL ECCENTRICALLY BRACED FRAME
RESPONSE MODIFICATION COEFFICIENT, R	6.0
OVERSTRENGTH FACTOR, Q	2.0
DEFLECTION AMPLIFICATION FACTOR, C_d	5.0
SEISMIC RESPONSE COEFFICIENT, C_s	0.10
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE ANALYSIS

RAIN INTENSITY	3.3"
100 YR, 1 HR RAINFALL (INCHES)	

1.1.4 DESIGN CRITERIA:

SOIL BEARING CAPACITY - - - - - 2000 PSF (ASSUMED)

CONCRETE (MINIMUM WEIGHTS):	
FOOTINGS AND SUB SLABS	$F_c = 3000$ PSI
CAST-IN-PLACE WALLS	$F_c = 4000$ PSI
INTERIOR SLABS ON GRADE	$F_c = 4000$ PSI
EXTERIOR REINFORCED SLABS	$F_c = 5000$ PSI
REINFORCING STEEL:	
#3 BARS & LARGER, ASTM A615 GRADE 60	$F_y = 60000$ PSI
FASTENERS:	
EXPANSION ANCHORS (CARBON STEEL)	WIK-BOLT T22 BY HILLI, INC.

- 1.1.5 EXECUTION: CONTRACTOR TO CROSS CHECK DIMENSIONS, ELEVATIONS, SECTIONS, AND DETAILS BETWEEN ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS. AMBROSE ENGINEERING IS TO BE NOTIFIED OF ANY VARIANCE THAT WILL AFFECT THE STRUCTURAL FRAMING BEFORE CONSTRUCTION. ALL EQUIPMENT AND ANCHORAGES TO BE CHECKED WITH MANUFACTURER'S DRAWINGS. CONTRACTORS SHALL VERIFY ALL PROFILES, HEIGHTS, AND DIMENSIONS AT PROJECT SITE PRIOR TO FABRICATION OF ANY MATERIAL AND INFORM THE ENGINEER OF RECORD OF ANY DISCREPANCIES OR FRAMING INTERFERENCES.

- 1.1.6 PROJECT CONDITIONS: ALL EXISTING BUILDING DIMENSIONS AND CONDITIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION. AMBROSE ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY EXISTING INFORMATION SUPPLIED BY THE OWNER/ARCHITECT NOR BE LIABLE FOR THOSE EXISTING CONDITIONS THAT VARY FROM THE PREVIOUSLY GIVEN INFORMATION. ARCHITECT/ENGINEER APPROVAL OF SHOP DRAWINGS DOES NOT RELIEVE CONTRACTOR OF THIS RESPONSIBILITY.

- 1.1.7 SHOP DRAWINGS/SUBMITTALS: SHALL BE SUBMITTED BY THE GENERAL CONTRACTOR TO THE ARCHITECT/ENGINEER FOR APPROVAL BEFORE FABRICATION MAY PROCEED. SHOP DRAWINGS/SUBMITTALS SHALL BE PROVIDED FOR THE FOLLOWING COMPONENTS: CONCRETE DESIGN MIXES, REINFORCING STEEL.

- SEE SPECIFIC MATERIALS SECTIONS FOR ADDITIONAL INFORMATION.
- NOTES:
- GENERAL CONTRACTOR SHALL REVIEW AND STAMP SHOP DRAWINGS BEFORE SUBMITTING TO ARCHITECT/ENGINEER. TRANSFERENCE OF ELECTRONIC FILES BY GENERAL CONTRACTOR TO REVIEWERS SHALL INDICATE REVIEW OF AND ACCEPTANCE OF SHOP DRAWINGS AS DELIVERED, REGARDLESS OF APPLICATION OF REVIEW STAMP OR NOT.
 - PROVIDE ELECTRONIC SHOP DRAWINGS IN PDF FORMAT FOR REVIEW.
 - ALL SHOP DRAWINGS SHALL CONTAIN THE ISSUE DATE INDICATED ON THE CONSTRUCTION DOCUMENTS, ALONG WITH ANY ADDENDUM OR REVISION DATE.
 - COPIES OF THE STRUCTURAL DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED.
 - ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE NOTED (CLOUD, NOTE, ETC.) ON THE SHOP DRAWINGS SUBMITTED FOR APPROVAL.
 - ANY CHANGES OR RESUBMITTED SHOP DRAWINGS SHALL BE CLOUDED.
 - STANDARD SHOP DRAWING REVIEW TIME IS 10 BUSINESS DAYS FROM THE DAY THE SHOP DRAWINGS HAVE BEEN RECEIVED. MULTIPLE SIMULTANEOUS SUBMISSIONS MAY ALTER REVIEW TIMES.
 - AMBROSE ENGINEERING WILL NOT BE RESPONSIBLE FOR DELAYS CAUSED BY THE REJECTION OF INADEQUATE OR INCORRECT SHOP DRAWINGS.

- 1.1.8 DEFERRED COMPONENT SUBMITTALS: SHALL BE SUBMITTED BY THE GENERAL CONTRACTOR TO THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION. DEFERRED SUBMITTALS SHALL BE PROVIDED FOR THE FOLLOWING COMPONENTS: GREENHOUSE FRAMING.

- NOTES:
- GENERAL CONTRACTOR SHALL REVIEW AND STAMP SHOP DRAWINGS BEFORE SUBMITTING TO ARCHITECT/ENGINEER. TRANSFERENCE OF ELECTRONIC FILES BY THE GENERAL CONTRACTOR TO REVIEWERS SHALL INDICATE REVIEW OF AND ACCEPTANCE OF SHOP DRAWINGS AS DELIVERED, REGARDLESS OF APPLICATION OF REVIEW STAMP OR NOT.
 - PROVIDE ELECTRONIC SHOP DRAWINGS IN PDF FORMAT FOR REVIEW.
 - ALL COMPONENT SUBMITTALS SHALL BEAR AN ORIGINAL SEAL AND SIGNATURE OF THE COMPONENT PROVIDER.
 - ALL UNLIMITED COPIES MUST BE THE FINAL "FIELD USE" SETS WHICH INCLUDE ALL CORRECTIONS MADE DUE TO SHOP DRAWING REVISION COMMENTS.

- 1.1.9 SPECIAL INSPECTIONS: AN INSPECTION & TESTING COMPANY SHALL BE RETAINED IN ACCORDANCE WITH THE IBC FOR THE FOLLOWING:

- SOILS & EARTHWORK SUPPORTING FOUNDATIONS AND SLABS.
- CONCRETE TEST CYLINDERS AND STRENGTH TESTING.
- CONCRETE REINFORCING.
- POST INSTALLED EXPANSION AND EPOXY ANCHORS.

- 1.1.10 CONSTRUCTION LOADS: PLACEMENT OF CONSTRUCTION EQUIPMENT, MATERIALS, AND PERSONNEL SHALL NOT EXCEED THE DESIGN LIVE LOAD OF THE STRUCTURE. CONCRETE SHALL CURE A MINIMUM OF 7 DAYS BEFORE THE APPLICATION OF CONSTRUCTION LOADS AND ACHIEVE AT LEAST 80% OF THE 28 DAY COMPRESSIVE STRENGTH AS PROVIDED BY CYLINDER BREAKS. IN ADDITION, EQUIPMENT PLACED ON SLAB ON-GRADE FLOORS SHALL ALSO COMPLY WITH THE FOLLOWING:

SLAB ON-GRADE:	ALLOWABLE EQUIPMENT AXLE LOADS
SLAB DEPTH	FORKLIFT SCISSOR PLATFORM LIFTS
4"	NONE
5"	5,000 LBS
6"	8,000 LBS
8"	11,000 LBS
10"	14,000 LBS
MODULUS OF SUBGRADE, k (INCHES)	100 PCI

WHEEL AXLE LOADS EXCEED THE VALUES LISTED ABOVE, OR WHEN WHEEL SPACING IS LESS THAN 60 SPACING, CONTACT ENGINEER PRIOR TO OPERATING UNAUTHORIZED EQUIPMENT.

- 1.1.11 FIELD MODIFICATIONS: MODIFICATIONS OF STRUCTURAL MEMBERS DUE TO MISALIGNMENT, HESITATION, MECHANICAL INTERFERENCE, OR ANY OTHER CONSTRUCTION ISSUE SHALL NOT BE MADE WITHOUT THE PRIOR APPROVAL OF ENGINEER. NO OPENING SHALL BE PLACED IN ANY STRUCTURAL MEMBER UNLESS SHOWN ON THE CONTRACT STRUCTURAL DRAWINGS OR THE APPROVED SHOP DRAWINGS.

- 1.1.12 PERMANENT EQUIPMENT: SHALL BE LOCATED ONLY ON THE STRUCTURAL MEMBERS INTENDED TO SUPPORT THIS EQUIPMENT AS SHOWN ON THE CONTRACT DRAWINGS OR THE APPROVED SHOP DRAWINGS. IF STRUCTURAL SUPPORT IS NOT CLEAR, OR A QUESTION ARISES, CONTACT STRUCTURAL ENGINEER OF RECORD PRIOR TO EQUIPMENT INSTALLATION.

2.1 EARTHWORK:

- 2.1.1 THE CONTRACTOR SHALL READ THE GEOTECHNICAL REPORT AND BE THOROUGHLY FAMILIAR WITH THE SITE AND THE SURROUNDING INFORMATION GIVEN THEREIN. ALL SURROUNDING INFORMATION, FILL, FILL PLACEMENT, AND FOUNDATION CONSTRUCTION SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE STRUCTURAL DOCUMENTS AND THE GEOTECHNICAL REPORT AND SHALL BE OBSERVED, TESTED, AND APPROVED BY THE PROJECT'S GEOTECHNICAL ENGINEER OF RECORD PRIOR TO PROCEEDING WITH FOUNDATION CONSTRUCTION.

- 2.1.2 EXCAVATIONS: ALL UNSUITABLE EXISTING FILL AND TOPSOIL SHALL BE EXCAVATED BELOW FOOTING BEARING AND REPLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS. IF EXCAVATIONS SHOULD INDICATE A SHALY SOIL BEARING CAPACITY LESS THAN THE DESIGN CRITERIA SOIL BEARING CAPACITY LISTED, THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY AND THE FOUNDATION REVISED TO MEET THIS CONDITION.

- 2.1.3 SITE PREPARATION: ALL UNSUITABLE EXISTING FILL AND TOPSOIL SHALL BE EXCAVATED WITHIN THE BUILDING FOOTPRINT AND REPLACED TO FINISHED PAD ELEVATION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS. PROVIDE COMPACTED AGGREGATE SUBGRADE AND VAPOR RETARDER ABOVE PAD AND BELOW SLAB PER SPECIFICATIONS AND GEOTECHNICAL REPORT RECOMMENDATIONS.

- 2.1.4 BACKFILLING: BACKFILL EACH SIDE OF FOUNDATION WALLS IN EQUAL LIFTS. WHERE FINAL GRADE CREATES AN UNBALANCED CONDITION, BACKFILL AS FOLLOWS: AT FOUNDATION WALLS STRUCTURE IS CONNECTED TO SLAB (SUCH AS JOIST WALLS), BRACE TOP OF WALL UNTIL SLAB IS IN PLACE AND CORRECT DRAIN BRACE AT BASEMENT WALLS. DO NOT BACKFILL UNTIL FIRST FLOOR CONSTRUCTION IS COMPLETE OR TOP OF WALLS ARE BRACED. WHERE BRACING IS NOT REQUIRED.

- 2.1.5 THE CONSTRUCTION DRAWINGS AND THE PROJECT SPECIFICATIONS SHALL BE SUBMITTED BY THE CONTRACTOR FOR REVIEW AND COMMENT BY THE GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION TO INSURE CONFORMANCE BETWEEN THE FOUNDATION DESIGN AND THE INTERPRETATION OF THE GEOTECHNICAL RECOMMENDATIONS.

- 2.1.6 IN THE ABSENCE OF THE GEOTECHNICAL REPORT, A GEOTECHNICAL ENGINEER SHALL BE RETAINED FOR SERVICES DURING EXCAVATION TO ASSURE SUITABLE BEARING CONDITIONS MEETING BEARING CRITERIA LISTED IN THESE NOTES TO MEET.

3.1 CONCRETE:

- 3.1.1 REFERENCES: CONCRETE CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:

- ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
- ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
- ACI 308 "ACI DETAILING MANUAL"
- ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- ACI 347 "GUIDE TO FORMWORK FOR CONCRETE"
- ACI 360 "GUIDE TO DESIGN OF SLABS ON GROUND"
- CRSI "MANUAL OF STANDARD PRACTICE"
- CRSI "PLACING REINFORCING BARS"

- 3.1.2 MATERIALS: PROPORTION CONCRETE MATERIALS TO ATTAIN 28 DAY CONCRETE MIX DESIGN STRENGTHS INDICATED IN THE DESIGN CRITERIA. SEE SPECIFICATIONS FOR ADDITIONAL MATERIAL REQUIREMENTS.

- 3.1.3 SHOP DRAWINGS/SUBMITTALS: SUBMIT CONCRETE MIX DESIGNS, COMPRESSIVE STRENGTH TEST HISTORY, COMMENT, 28 DAY AVERAGE TEST REPORTS, ADJUSTMENTS, FIBER REINFORCING, REBAR PLACEMENT AND FABRICATION PLANS, LAP LENGTHS, REBAR BENDING DIAGRAMS, AND ALL DETAILS AS REQUIRED TO COMPLETE INSTALLATION.

- 3.1.4 ACCESSORIES: ALL CONCRETE ACCESSORIES SUCH AS CHAIRS, TIES, ETC., THAT COME IN CONTACT WITH FORMWORK OR EXPOSED CONCRETE SHALL BE GALVANIZED OR PLASTIC COATED. CONCRETE BLOCK OR CLAY MASONRY SHALL NOT BE USED AS GRADU FOR SUPPORT OF SLAB ON-GRADE REINFORCING.

- 3.1.5 WELDED WIRE REINFORCING: PROVIDE WELDED WIRE REINFORCING IN ACCORDANCE WITH THE DESIGN CRITERIA. WELDED WIRE REINFORCING SHALL BE FLAT SHEET ONLY, LAPPED AT MINIMUM AND POSITIONED AT MID-HEIGHT OF THE SLAB THICKNESS, UNLESS NOTED OTHERWISE.

- 3.1.6 SYNTHETIC FIBER REINFORCING: PROVIDE SYNTHETIC FIBER REINFORCING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AT THE DEGRADE RATE INDICATED ON THE PLANS.

- 3.1.7 BARS REINFORCING: PROVIDE BAR REINFORCING IN ACCORDANCE WITH THE DESIGN CRITERIA. REBAR BAR REINFORCING IS CALLED FOR IN A CERTAIN PORTION OF THE BUILDING. IT SHALL BE DUPLICATED IN SIMILAR PORTIONS OF THE BUILDING, UNLESS NOTED OTHERWISE.

- 3.1.8 MINIMUM COVER: INSTALL BAR REINFORCING WITH THE FOLLOWING MINIMUM COVER UNLESS A GREATER COVER IS REQUIRED DUE TO FIRE PROTECTION:

POSITION	DISTANCE
CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH	3"
CONCRETE EXPOSED TO EARTH AND WEATHER	1 1/2"
#3 BAR AND SMALLER	1 1/2"
#4 BAR AND LARGER	2"
CONCRETE NOT EXPOSED TO EARTH AND WEATHER OR IN CONTACT WITH GROUND	
SLABS, WALLS, AND JOISTS	3/4"
BEAMS AND COLUMNS	
#11 BAR AND SMALLER	1 1/2"

- 3.1.9 DEVELOPMENT: THE MINIMUM DEVELOPMENT LENGTH OF NON-CONTINUOUS BAR REINFORCING SHALL BE DETERMINED BY CURRENT ACI 318 EQUATIONS WITH CORRESPONDING VARIABLES APPLICABLE TO THE PROJECT CONDITIONS. TERMINATE BARS WITH A STANDARD HOOK IN ACCORDANCE WITH ACI 318 IF REQUIRED DEVELOPMENT LENGTH CAN NOT BE OBTAINED.

- 3.1.10 MINIMUM LAP SPICE: LENGTH OF CONTINUOUS BAR REINFORCING SHALL BE DETERMINED BY CURRENT ACI 318 EQUATIONS WITH CORRESPONDING VARIABLES APPLICABLE TO THE PROJECT CONDITIONS. IN SPANS OF PARALLEL SLABS, LAP SPICES SHALL BE STAGGERED. MECHANICAL COUPLERS MAY BE USED WITH APPROVAL. PRODUCT DATA, INCLUDING CURRENT LOG REPORT FOR MECHANICAL COUPLERS, SHALL BE SUBMITTED FOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. COUPLERS MUST BE CAPABLE OF DEVELOPING 100% OF THE YIELD STRENGTH OF THE SPliced BARS.

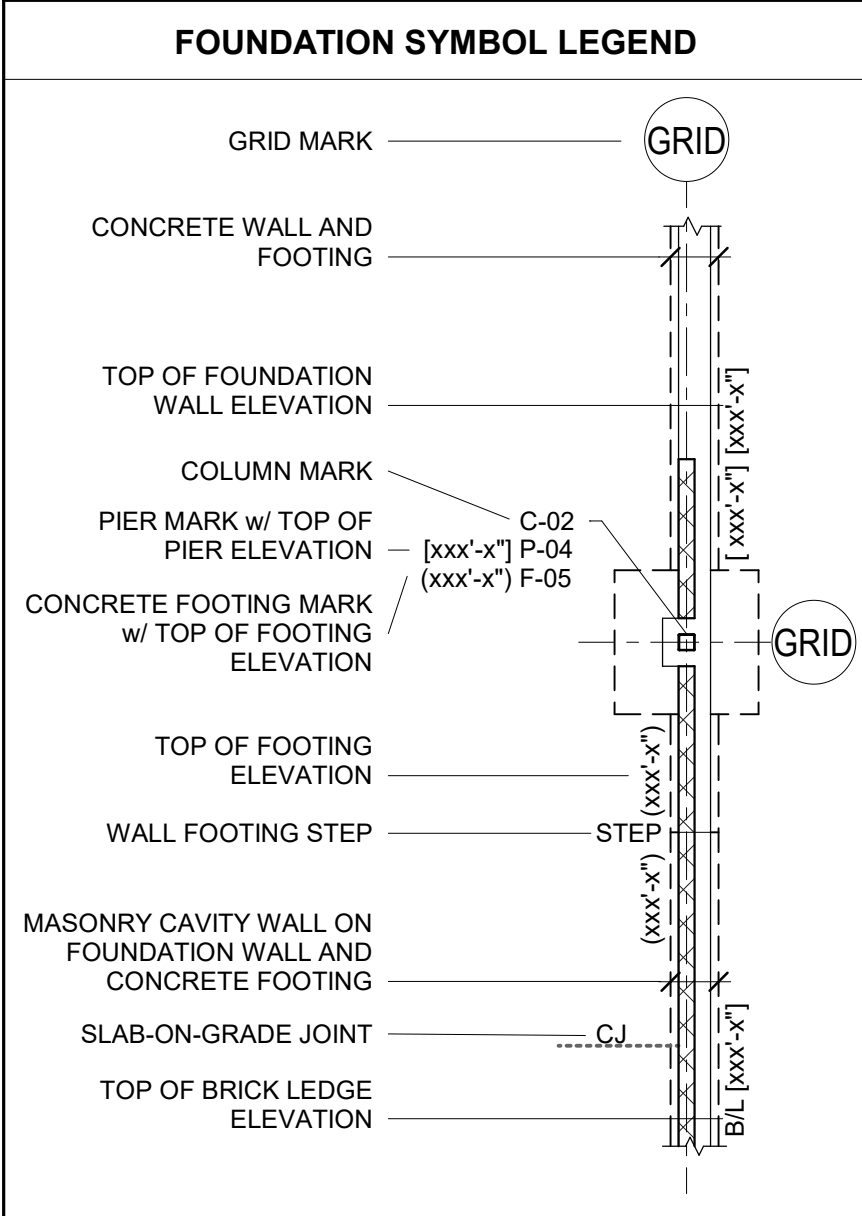
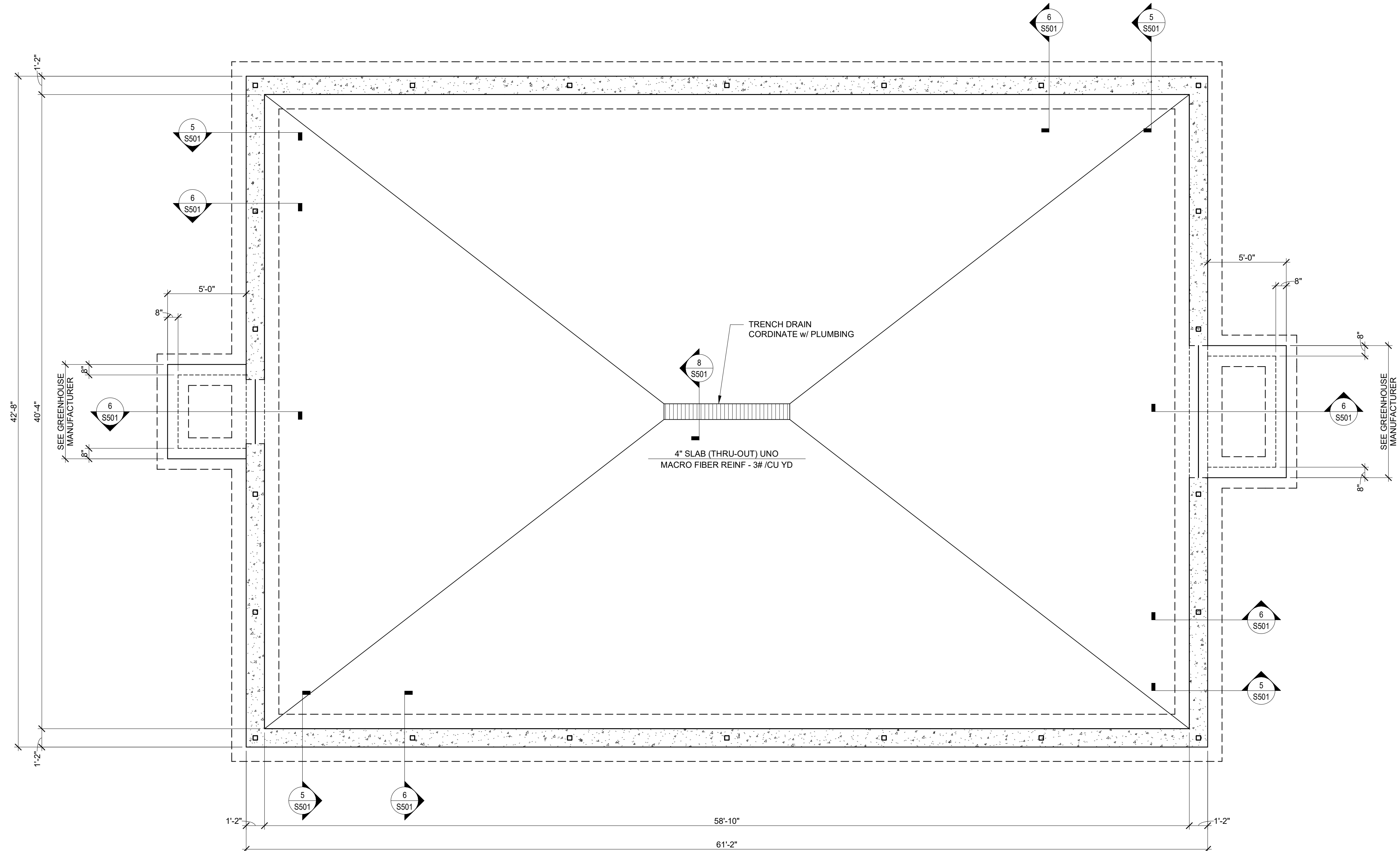
- 3.1.11 HOT WEATHER CONCRETING: FOLLOW ACI 305 "GUIDE TO HOT WEATHER CONCRETING" WHEN MAXIMUM DAILY TEMPERATURE EXCEEDS 80°F, OR RAPID DRYING CONDITIONS EXIST; EVAPORATION RATE GREATER THAN 0.04 IN/24 HOURS.
- 3.1.12 COLD WEATHER CONCRETING: FOLLOW ACI 306 "GUIDE TO COLD WEATHER CONCRETING" WHEN FREEZING CONDITIONS OR MEAN DAILY TEMPERATURE FALLS BELOW 40°F.

- 3.1.13 SLAB-ON-GRADE: MAY BE POURED AS A CONTINUOUS SCHEDULED POUR WITH SAW CUT CONTROL JOINTS IN BOTH DIRECTIONS. SAW CUTS TO BE MADE WITHIN 4 HOURS OF POUR AND SHALL BE SPACED NO FURTHER APART THAN DETAILED ON THESE DRAWINGS. COORDINATE JOINT LAYOUT AND CONDITIONS WITH ARCHITECT PRIOR TO SLAB POUR.

- 3.1.14 WALLS: MAXIMUM POUR LENGTH 100 FT BETWEEN FORMED CONSTRUCTION JOINTS. FOR WALLS EXPOSED TO VIEW, PROVIDE INTERMEDIATE CONTROL JOINTS NO GREATER THAN 30 FT ON CENTER. JOINTS SHOULD ALIGN WITH BUILDING CONTROL JOINTS WHEN PRESENT AND COORDINATED WITH ARCHITECTURAL DRAWINGS.

- 3.1.15 OPENINGS: CONTRACTOR TO PROVIDE AND COORDINATE WITH ALL OTHER TRADES FOR SIZE AND LOCATIONS OF ANY AND ALL OPENINGS, SLEEVES, ETC., OCCURRING IN WALLS, FOOTINGS, AND FLOORS. SLEEVE LAYOUTS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.

- 3.1.16 BOND BREAKER: PROVIDE BOND BREAKER MATERIAL WHERE SLABS ABUT WALLS, COLUMNS, AND OTHER VERTICAL SURFACES.
- 3.1.17 PROVIDE DIAGONAL REINFORCING BARS AT REINTEGRANT CORNERS IN ALL SLAB-ON-GRADE AND ELEVATED SLABS, AT CORNER OF OPENINGS IN WALLS AND SLABS, AND AT STEEL COLUMNS PENETRATING SLABS PER DETAILS IN THIS DRAWING SET.



CONCRETE FOUNDATION NOTES		
1.	FINISHED FLOOR - EL 100'-0"	(unless noted otherwise)
2.	TOP OF FOOTINGS	EXTERIOR - EL 96'-0"
3.	(xxx-x") INDICATES TOP OF FOOTING ELEVATIONS.	
4.	(xxx-x") INDICATES TOP OF FOUNDATION WALL/PIER ELEVATIONS.	TOW - EL 102'-0"
5.	WALL FOOTINGS	3'-0" x 12" NO REINF
6.	PROVIDE (2) #4 TOP BARS IN INTERIOR WALL FOOTINGS AT ALL OPENINGS 6'-0" OR GREATER.	
7.	CONCRETE FOUNDATION WALL REINFORCING	(2) #5 CONT TOP AND BOTTOM
8.	COORDINATE ALL FLOOR DRAINS AND PITCHED SLABS WITH ARCHITECTURAL AND PLUMBING DRAWINGS.	
9.	SEE DETAIL 1/S501 AND 2/S501	FOR TYPICAL CONCRETE FOUNDATION WALL DETAILS.
10.	SEE DETAIL 3/S501	FOR TYPICAL PIPE PENETRATIONS THROUGH FOUNDATIONS.

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Seal / Signature

Revisions and Issue Dates

Rev #	Date	Description

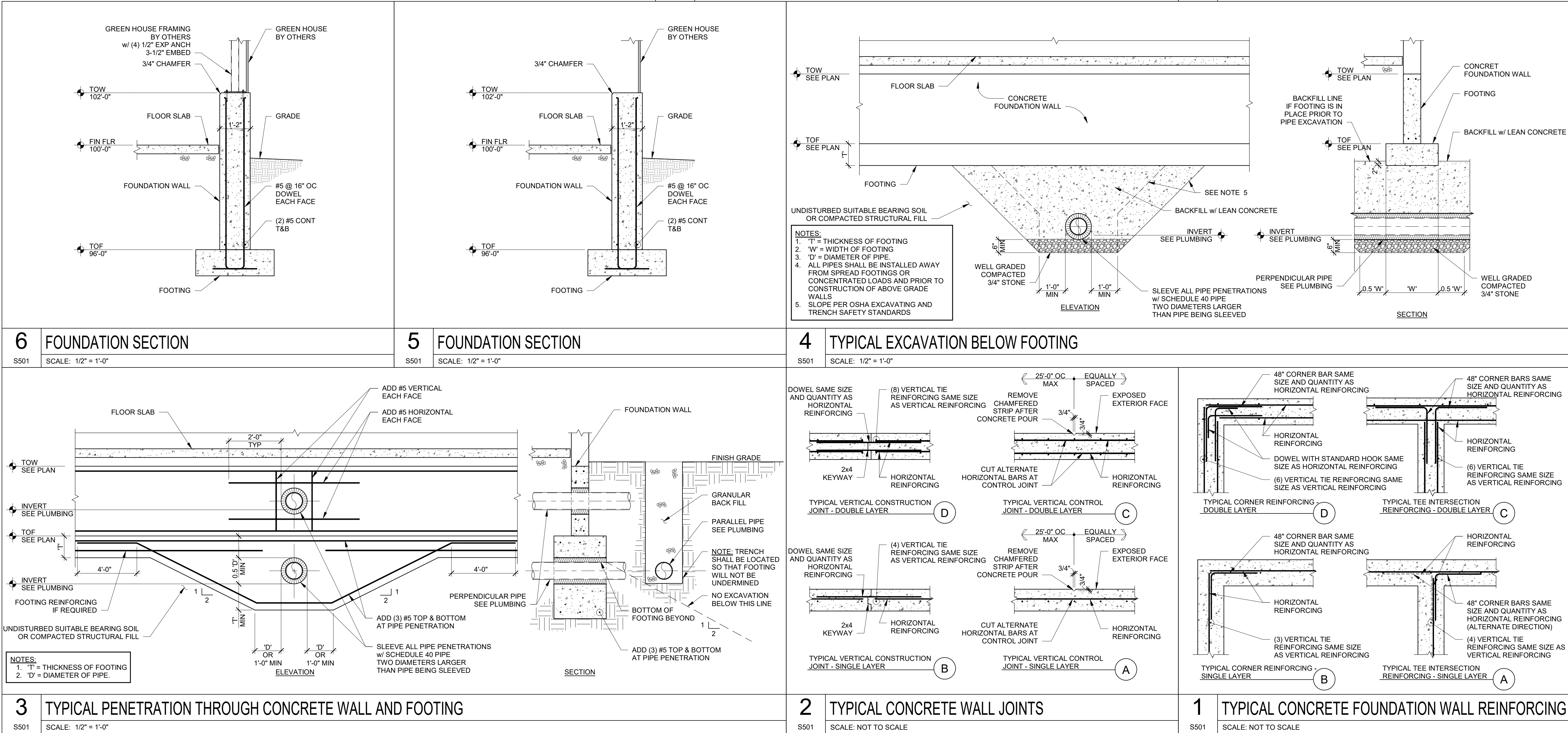
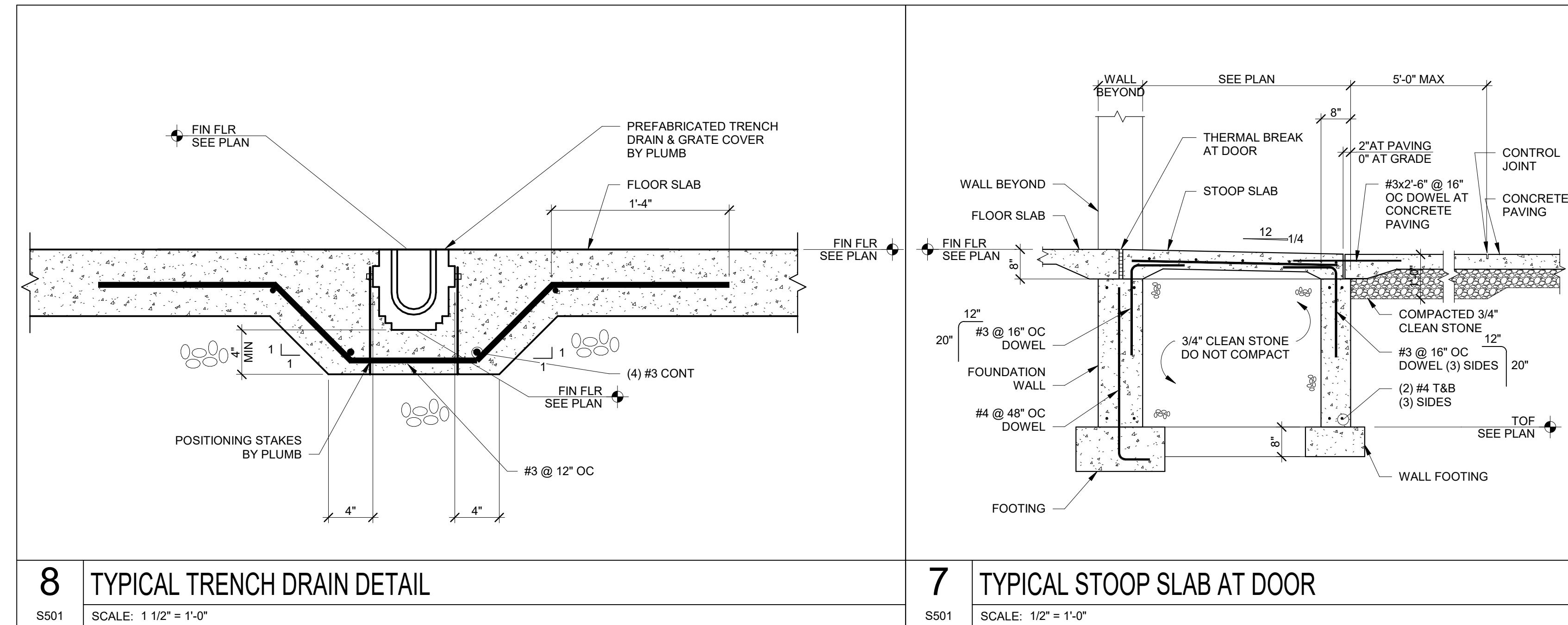
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5/5/2025

Issued For
CONSTRUCTION DOCUMENTS

Sheet Name
GENERAL NOTES AND FOUNDATION PLAN

Sheet Number
S101



Seal / Signature		
Revisions and Issue Dates		
Rev #	Date	Description
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Sheet Name SECTIONS AND DETAILS		
Sheet Number S501		